



IPC-D212-725

Eagle Copters Ltd.  
823 McTavish Road NE  
Calgary, AB, T2E 7G9  
Canada

Tel: 1 403 250 7370  
Fax: 1 403 250 7110

<http://www.eaglecopters.com>



## ILLUSTRATED PARTS CATALOG

IPC-D212-725

# *Single Engine Conversion*

BELL 212 MODELS

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# *Single Engine Conversion*

BELL 212 MODELS

Prepared By: \_\_\_\_\_

A handwritten signature in blue ink, appearing to read "Harvey L.", written over a horizontal line.

H. Siemens  
Dart Aerospace Ltd.

Reviewed By: \_\_\_\_\_

A handwritten signature in blue ink, appearing to read "D. Shepherd", written over a horizontal line.

D. Shepherd  
DE #02

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CHAPTER 01 – INTRODUCTION (01-00-00)

**REVISION RECORD**

| Revision No. | Issue Date | Description               | Date Inserted | Inserted By |
|--------------|------------|---------------------------|---------------|-------------|
| 0            | 11.06.06   | New Issue                 |               |             |
| 1            | 12.06.20   | Revise Ch. 28, 53, 71, 95 |               |             |
|              |            |                           |               |             |
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## CHAPTER 01 – INTRODUCTION (01-00-00)

### 1.0 Introduction

#### CAUTION

THIS IPC IS FOR USE IN THE ORDERING OF SPARES AND REPAIR PARTS AND IS NOT INTENDED FOR USE AS A CONFIGURATION CONTROL DOCUMENT OR MAINTENANCE AND INSPECTION CRITERIA MANUAL. ITS SOLE PURPOSE IS FOR THE IDENTIFICATION AND ORDERING OF SPARES.

The figures contained in the IPC portion of this publication consist of an illustration and text page. Illustrations are in exploded form and are arranged in a manner to depict the relationship of the parts listed on the text page. Guidelines are used to further clarify this relationship. Parts outlined by “phantom” lines are shown merely to relate detail parts to assemblies or systems.

### 2.0 Use of Manual

#### 2.1 General

This publication applies to the Bell Model 212 helicopters that have been modified per STC SH07-28 (Eagle Single) and lists all the parts considered necessary for maintenance or repair of this modified helicopter. It shall be used in conjunction with the Bell 212 Illustrated Parts Catalogue. Where no change exists in a specific area the user is asked to reference the Bell IPC. This publication is intended only to supply part information as it applies to the Bell 212 helicopters modified per TCCA STC SH07-28 (Ref. FAA STC SR002831NY).

#### 2.2 Use of the Manual

This manual is divided into Chapters. Refer to the desired Chapter and using the tabbed pages provided which separate each Chapter, refer to the Table of Contents at the beginning of the desired Chapter to locate the specific subject. It shall be used in conjunction with the Bell 212 Illustrated Parts Catalog. Where no changes exist because of the Eagle Single modification in a specific area of the helicopter the user is asked to reference the Bell 212 Illustrated Parts Catalog. This publication is intended only to supply part information as it applies to the Eagle Single modification per TCCA STC SH07-28 (Ref. FAA STC SR002831NY).

#### 2.3 Updates

All updates to this manual will be provided to any operator who possesses this STC. Additionally the latest revision of this manual is available at [www.dartaero.com](http://www.dartaero.com). All changes will be recorded in the Revision Record at the front of this manual.

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| D212-725-1-215  | 53      | 26     | 1    |
| D212-725-1-217  | 53      | 26     | 2    |
| D212-725-1-219  | 53      | 26     | 3    |
| D212-725-1-221  | 53      | 26     | 4    |
| D212-725-1-223  | 53      | 26     | 5    |
| D212-725-1-225  | 53      | 26     | 6    |
| D212-725-1-227  | 71      | 11     | 6    |
| D212-725-1-229  | 53      | 5      | 5    |
| D212-725-1-231  | 53      | 5      | 6    |
| D212-725-1-233  | 53      | 5      | 1    |
| D212-725-1-235A | 53      | 8      | 3    |
| D212-725-1-235B | 53      | 8      | 8    |
| D212-725-1-235C | 53      | 8      | 9    |
| D212-725-1-235D | 53      | 8      | 10   |
| D212-725-1-237A | 53      | 8      | 4    |
| D212-725-1-237B | 53      | 8      | 5    |
| D212-725-1-237C | 53      | 8      | 6    |
| D212-725-1-237D | 53      | 8      | 7    |
| D212-725-1-237E | 53      | 8      | 11   |
| D212-725-1-237F | 53      | 8      | 12   |
| D212-725-1-237G | 53      | 8      | 13   |
| D212-725-1-237H | 53      | 8      | 14   |

| Part Number     | Chapter | Figure | Item |
|-----------------|---------|--------|------|
| D212-725-1-237J | 53      | 8      | 15   |
| D212-725-1-245  | 67      | 1      | 18   |
| D212-725-1-247  | 67      | 1      | 17   |
| D212-725-1-249  | 28      | 4      | 1    |
| D212-725-1-255  | 53      | 10     | 16   |
| D212-725-1-257  | 71      | 9      | 9    |
| D212-725-1-259  | 53      | 26     | 2    |
| D212-725-1-261  | 53      | 26     | 3    |
| D212-725-1-263  | 53      | 26     | 4    |
| D212-725-1-265  | 53      | 26     | 5    |
| D212-725-1-267  | 53      | 26     | 6    |
| D212-725-1-269  | 53      | 26     | 7    |
| D212-725-1-271  | 28      | 7      | 1    |
| D212-725-1-273  | 28      | 6      | 1    |
| D212-725-1-275  | 53      | 9      | 1    |
| D212-725-1-276  | 53      | 9      | 2    |
| D212-725-1-277  | 53      | 9      | 3    |
| D212-725-1-279  | 53      | 9      | 4    |
| D212-725-1-280  | 53      | 9      | 5    |
| D212-725-1-281  | 53      | 25     | 8    |
|                 |         |        |      |
| D212-725-1-901  | 67      | 1      | 1    |
| D212-725-1-903  | 53      | 10     | 2    |
| D212-725-1-903  | 53      | 10     | 8    |
| D212-725-1-905  | 21      | 1      | 2    |
| D212-725-1-913  | 28      | 2      | 17   |
| D212-725-1-913  | 53      | 22     | 4    |
| D212-725-1-915  | 28      | 2      | 18   |
| D212-725-1-915  | 53      | 22     | 2    |
| D212-725-1-917  | 28      | 3      | 1    |
| D212-725-1-919  | 76      | 1      | 32   |
| D212-725-1-921  | 79      | 3      | 33   |
| D212-725-1-923  | 26      | 1      | 10   |
| D212-725-1-925  | 26      | 1      | 2    |
| D212-725-1-927  | 28      | 5      | 1    |
| D212-725-1-929  | 76      | 2      | 46   |
| D212-725-1-931  | 26      | 1      | 1    |
| D212-725-1-933  | 53      | 20     | 2    |
| D212-725-1-935  | 79      | 3      | 24   |
| D212-725-1-937  | 53      | 10     | 13   |
| D212-725-1-939  | 53      | 26     |      |
| D212-725-1-941  | 28      | 2      | 17   |
| D212-725-1-941  | 53      | 23     | 4    |
| D212-725-1-943  | 28      | 2      | 18   |
| D212-725-1-943  | 53      | 23     | 2    |

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CHAPTER 01 – INTRODUCTION (01-00-00)

| Part Number    | Chapter | Figure | Item |
|----------------|---------|--------|------|
| D212-725-1-945 | 28      | 2      | 24   |
| D212-725-1-945 | 28      | 2      | 25   |
| D212-725-1-945 | 53      | 23     | 5    |
| D212-725-1-947 | 67      | 1      | 19   |
| D212-725-1-949 | 21      | 2      | 1    |
| D212-725-1-951 | 53      | 26     | 1    |
|                |         |        |      |
| D212-725-6-001 | 11      | 1      | 4    |

| Part Number    | Chapter | Figure | Item |
|----------------|---------|--------|------|
| D212-725-6-003 | 11      | 1      | 2    |
| D212-725-6-005 | 11      | 1      | 3    |
| D212-725-6-007 | 11      | 1      | 1    |
| D212-725-6-009 | 11      | 1      | 6    |
| D212-725-6-011 | 11      | 1      | 7    |
|                |         |        |      |
|                |         |        |      |
|                |         |        |      |

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**3.2 Dart Part Number – Bell Part Number Equivalency Chart**

| Dart Part Number | Equivalent Bell Part Number |
|------------------|-----------------------------|
| D212-725-1-001   | New Part                    |
| D212-725-1-002   | New Part                    |
| D212-725-1-003   | New Part                    |
| D212-725-1-004   | New Part                    |
| D212-725-1-005   | New Part                    |
| D212-725-1-009   | New Part                    |
| D212-725-1-011   | New Part                    |
| D212-725-1-012   | New Part                    |
| D212-725-1-015   | New Part                    |
| D212-725-1-017A  | New Part                    |
| D212-725-1-017B  | New Part                    |
| D212-725-1-019   | New Part                    |
| D212-725-1-021   | New Part                    |
| D212-725-1-023   | New Part                    |
| D212-725-1-025   | New Part                    |
| D212-725-1-027   | New Part                    |
| D212-725-1-055   | New Part                    |
| D212-725-1-057   | New Part                    |
| D212-725-1-059   | New Part                    |
| D212-725-1-061   | 205-032-170-003             |
| D212-725-1-063   | New Part                    |
| D212-725-1-064   | New Part                    |
| D212-725-1-065   | New Part                    |
| D212-725-1-066   | New Part                    |
| D212-725-1-069   | New Part                    |
| D212-725-1-075   | New Part                    |
| D212-725-1-077   | New Part                    |
| D212-725-1-078   | New Part                    |
| D212-725-1-079   | New Part                    |
| D212-725-1-080   | New Part                    |
| D212-725-1-081   | New Part                    |
| D212-725-1-083   | New Part                    |
| D212-725-1-084   | New Part                    |
| D212-725-1-085   | New Part                    |
| D212-725-1-089   | 205-030-499-009             |
| D212-725-1-091   | New Part                    |
| D212-725-1-093   | New Part                    |
| D212-725-1-095   | New Part                    |
| D212-725-1-097   | New Part                    |
| D212-725-1-099   | New Part                    |
| D212-725-1-101   | NAS43DD5-24                 |
| D212-725-1-103   | New Part                    |
| D212-725-1-105   | New Part                    |
| D212-725-1-107   | New Part                    |
| D212-725-1-109   | New Part                    |

| Dart Part Number | Equivalent Bell Part Number |
|------------------|-----------------------------|
| D212-725-1-110   | New Part                    |
| D212-725-1-111   | New Part                    |
| D212-725-1-113   | New Part                    |
| D212-725-1-114   | New Part                    |
| D212-725-1-115   | New Part                    |
| D212-725-1-117   | New Part                    |
| D212-725-1-119   | 205-060-872-001             |
| D212-725-1-120   | 205-060-872-002             |
| D212-725-1-123   | 205-061-909-011             |
| D212-725-1-133   | New Part                    |
| D212-725-1-135   | New Part                    |
| D212-725-1-149   | 205-032-107-037             |
| D212-725-1-151   | 205-032-107-033             |
| D212-725-1-153   | 205-032-107-019             |
| D212-725-1-155   | 205-032-107-021             |
| D212-725-1-157   | 205-032-107-045             |
| D212-725-1-159   | 205-032-107-029             |
| D212-725-1-161   | 205-032-107-017             |
| D212-725-1-163   | 205-032-107-024             |
| D212-725-1-165   | 205-032-107-027             |
| D212-725-1-167   | 205-032-107-023             |
| D212-725-1-169   | 205-032-107-025             |
| D212-725-1-171   | 205-032-107-047             |
| D212-725-1-173   | 205-961-316-015             |
| D212-725-1-175   | New Part                    |
| D212-725-1-176   | New Part                    |
| D212-725-1-177   | New Part                    |
| D212-725-1-178   | New Part                    |
| D212-725-1-179   | New Part                    |
| D212-725-1-181   | New Part                    |
| D212-725-1-183   | New Part                    |
| D212-725-1-184   | New Part                    |
| D212-725-1-185   | New Part                    |
| D212-725-1-187   | New Part                    |
| D212-725-1-189   | New Part                    |
| D212-725-1-191   | New Part                    |
| D212-725-1-193   | New Part                    |
| D212-725-1-195   | 205-060-919-003             |
| D212-725-1-197   | 205-060-835-001             |
| D212-725-1-201   | New Part                    |
| D212-725-1-202   | New Part                    |
| D212-725-1-205   | New Part                    |
| D212-725-1-207   | New Part                    |
| D212-725-1-209   | New Part                    |
| D212-725-1-211   | New Part                    |



**CHAPTER 01 – INTRODUCTION (01-00-00)**

| Dart Part Number | Equivalent Bell Part Number |
|------------------|-----------------------------|
| D212-725-1-215   | New Part                    |
| D212-725-1-217   | New Part                    |
| D212-725-1-219   | New Part                    |
| D212-725-1-221   | New Part                    |
| D212-725-1-223   | New Part                    |
| D212-725-1-225   | New Part                    |
| D212-725-1-227   | New Part                    |
| D212-725-1-229   | 205-032-106-121             |
| D212-725-1-231   | New Part                    |
| D212-725-1-233   | New Part                    |
| D212-725-1-235   | New Part                    |
| D212-725-1-237   | New Part                    |
| D212-725-1-245   | 205-001-113-001             |
| D212-725-1-247   | 205-001-113-003             |
| D212-725-1-249   | 205-061-642-009             |
| D212-725-1-255   | 212-030-024-001             |
| D212-725-1-257   | New Part                    |
| D212-725-1-259   | New Part                    |
| D212-725-1-261   | New Part                    |
| D212-725-1-263   | New Part                    |
| D212-725-1-265   | New Part                    |
| D212-725-1-267   | New Part                    |
| D212-725-1-269   | New Part                    |
| D212-725-1-271   | New Part                    |
| D212-725-1-273   | New Part                    |
| D212-725-1-275   | 205-030-713-021             |
| D212-725-1-276   | 205-030-713-022             |
| D212-725-1-277   | 205-030-713-007             |
| D212-725-1-279   | 205-030-713-013             |
| D212-725-1-280   | 205-030-713-014             |
| D212-725-1-281   | 205-060-881-001             |
|                  |                             |
| D212-725-1-901   | New Part                    |

| Dart Part Number | Equivalent Bell Part Number |
|------------------|-----------------------------|
| D212-725-1-903   | New Part                    |
| D212-725-1-905   | New Part                    |
| D212-725-1-907   | New Part                    |
| D212-725-1-913   | New Part                    |
| D212-725-1-915   | New Part                    |
| D212-725-1-917   | New Part                    |
| D212-725-1-919   | New Part                    |
| D212-725-1-921   | 205-061-523-001             |
| D212-725-1-923   | New Part                    |
| D212-725-1-925   | New Part                    |
| D212-725-1-927   | New Part                    |
| D212-725-1-929   | 205-060-722-001             |
| D212-725-1-931   | 205-061-904-001             |
| D212-725-1-933   | New Part                    |
| D212-725-1-935   | 205-032-212-001             |
| D212-725-1-937   | 212-030-321-001             |
| D212-725-1-939   | 205-060-881-001             |
| D212-725-1-941   | New Part                    |
| D212-725-1-943   | New Part                    |
| D212-725-1-945   | New Part                    |
| D212-725-1-947   | New Part                    |
| D212-725-1-949   | 205-030-100-011             |
| D212-725-1-951   | 205-030-617-181             |
|                  |                             |
| D212-725-6-001   | New Part                    |
| D212-725-6-003   | New Part                    |
| D212-725-6-005   | New Part                    |
| D212-725-6-007   | New Part                    |
| D212-725-6-009   | New Part                    |
| D212-725-6-011   | New Part                    |
|                  |                             |



CHAPTER 08 – WEIGHT AND BALANCE (08-00-00)

# CHAPTER 08 WEIGHT AND BALANCE (08-00-00)

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CHAPTER 09 – TOWING (09-00-00)

# CHAPTER 09 TOWING (09-00-00)

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CHAPTER 10 – PARKING AND MOORING (10-00-00)

# **CHAPTER 10 PARKING AND MOORING (10-00-00)**

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CHAPTER 11 – PLACARDS (11-00-00)

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CHAPTER 11 – PLACARDS (11-00-00)

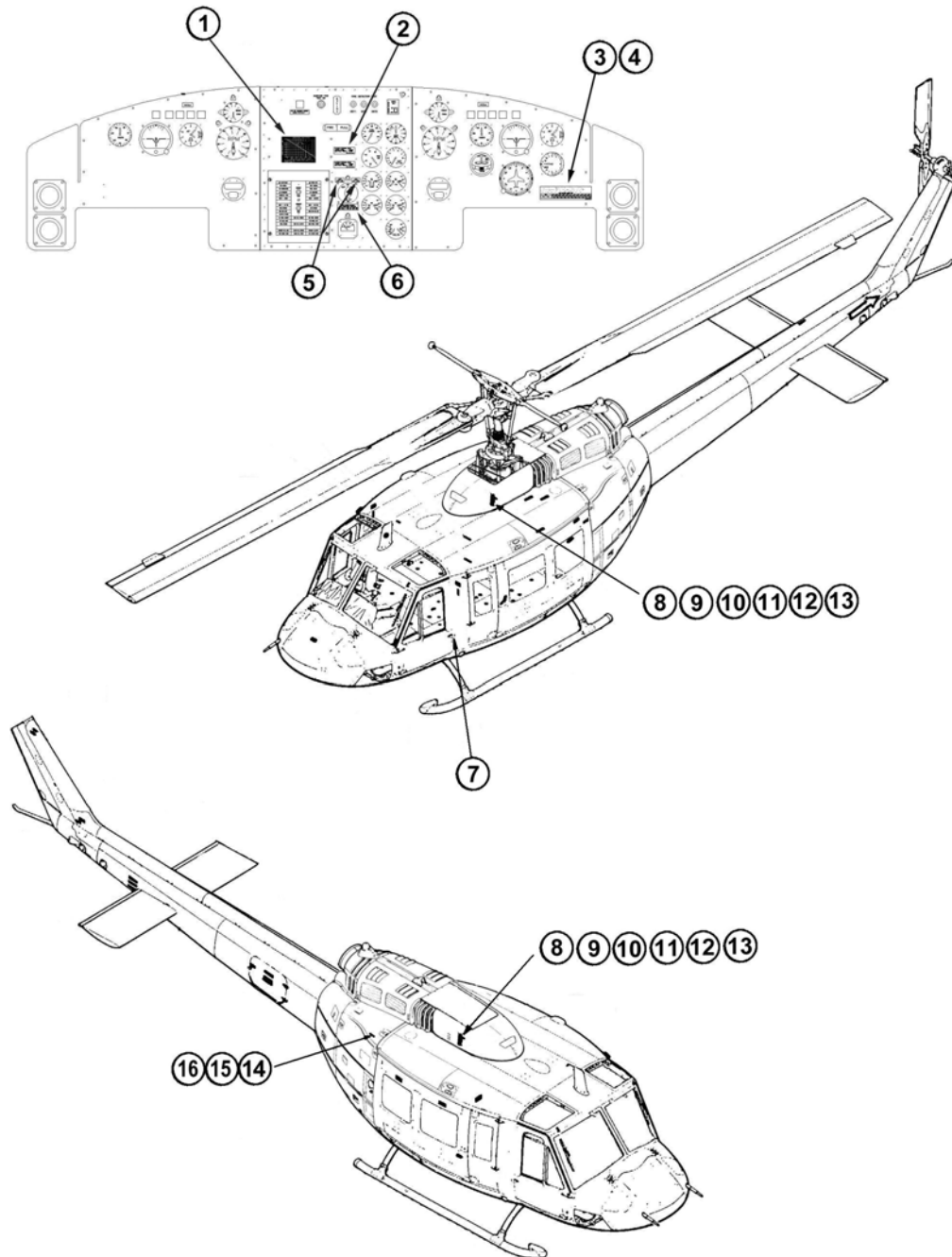


Figure 11-1 Placards and Markings



CHAPTER 11 – PLACARDS (11-00-00)

| Item Number | Part Number     | Item Name                                       | Unit per Assy. | UOC |
|-------------|-----------------|-------------------------------------------------|----------------|-----|
| Figure 11-1 |                 |                                                 |                |     |
| 1           | D212-725-6-007  | Placard (Operations Limitations)                | 1              |     |
| 2           | D212-725-6-003  | Placard (Operating Limitations)                 | 1              |     |
| 3           | D212-725-6-005  | Placard (EGT VS OAT Limits)                     | 1              |     |
| 4           | D212-725-6-001  | Placard (VFR Operations Only)                   | 1              |     |
| 5           | 212-070-661-003 | Placard (Fuel System Capacity)                  | 2              |     |
| 6           | 212-070-661-001 | Placard (Fuel System Capacity)                  | 1              |     |
| 6           | D212-725-6-009  | Placard (Fuel System Capacity) (Alternate Part) | 1              |     |
| 7           | D212-725-6-011  | Eagle Single Identification Placard             | 1              |     |
| 8           | 31-064-5EFHP    | Placard (Approved Lubricants)                   | 2              |     |
| 9           | 31-053-3DFHP    | Placard (Hydraulic Reservoir Inside)            | 2              |     |
| 10          | 31-054-4DFHP    | Placard (Transmission Oil Access)               | 2              |     |
| 11          | 31-054-32DFHP   | Placard (Transmission Capacity)                 | 2              |     |
| 12          | 205-076-060-103 | Placard (Hydraulic System Servicing)            | 2              |     |
| 13          | 205-076-060-101 | Placard (Hydraulic System Cleaning)             | 2              |     |
| 14          | 205-070-818-007 | Placard (Engine Oil Tank, Oil Ferry Level)      | 1              |     |
| 15          | 205-070-818-009 | Placard (Engine Oil Tank, Oil Normal Level)     | 1              |     |
| 16          | 205-070-818-011 | Placard (Engine Oil Tank, Oil Minimum Level)    | 1              |     |
|             |                 |                                                 |                |     |

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CHAPTER 21 – AIR DISTRIBUTION (VENTILATION) (21-00-00)

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CHAPTER 21 AIR DISTRIBUTION (VENTILATION)

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| 21-1          | Air Distribution (Heating and Ventilation) | 2           |
| 21-2          | D212-725-1-949 Duct                        | 4           |
|               |                                            |             |
|               |                                            |             |
|               |                                            |             |
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CHAPTER 21 – AIR DISTRIBUTION (VENTILATION) (21-00-00)

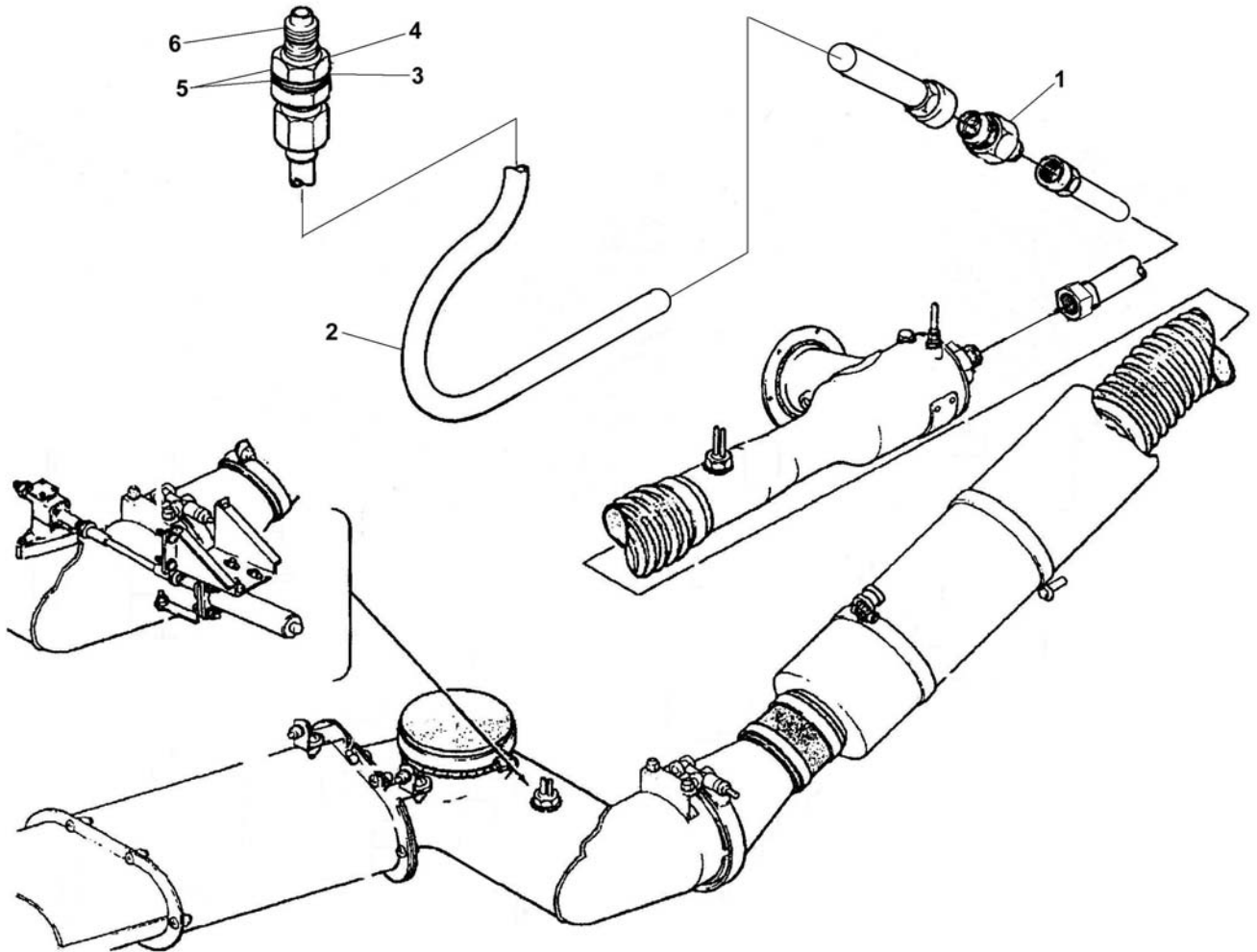


Figure 21-1 Air Distribution Installation (Heating and Ventilation)



CHAPTER 21 – AIR DISTRIBUTION (VENTILATION) (21-00-00)

| Item<br>Number | Part Number     | Item Name     | Unit<br>per<br>Assy. | UOC |
|----------------|-----------------|---------------|----------------------|-----|
| Figure 21-1    |                 |               |                      |     |
| 1              | AN815-16        | Fitting       | 1                    |     |
| 2              | D212-725-1-905  | Tube Assembly | 1                    |     |
| 3              | NAS1149F2190J   | Washer        | 1                    |     |
| 4              | AN924-16        | Nut           | 1                    |     |
| 5              | 205-060-438-005 | Gasket        | 2                    |     |
| 6              | AN832-16        | Fitting       | 1                    |     |
|                |                 |               |                      |     |
|                |                 |               |                      |     |

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CHAPTER 21 – AIR DISTRIBUTION (VENTILATION) (21-00-00)

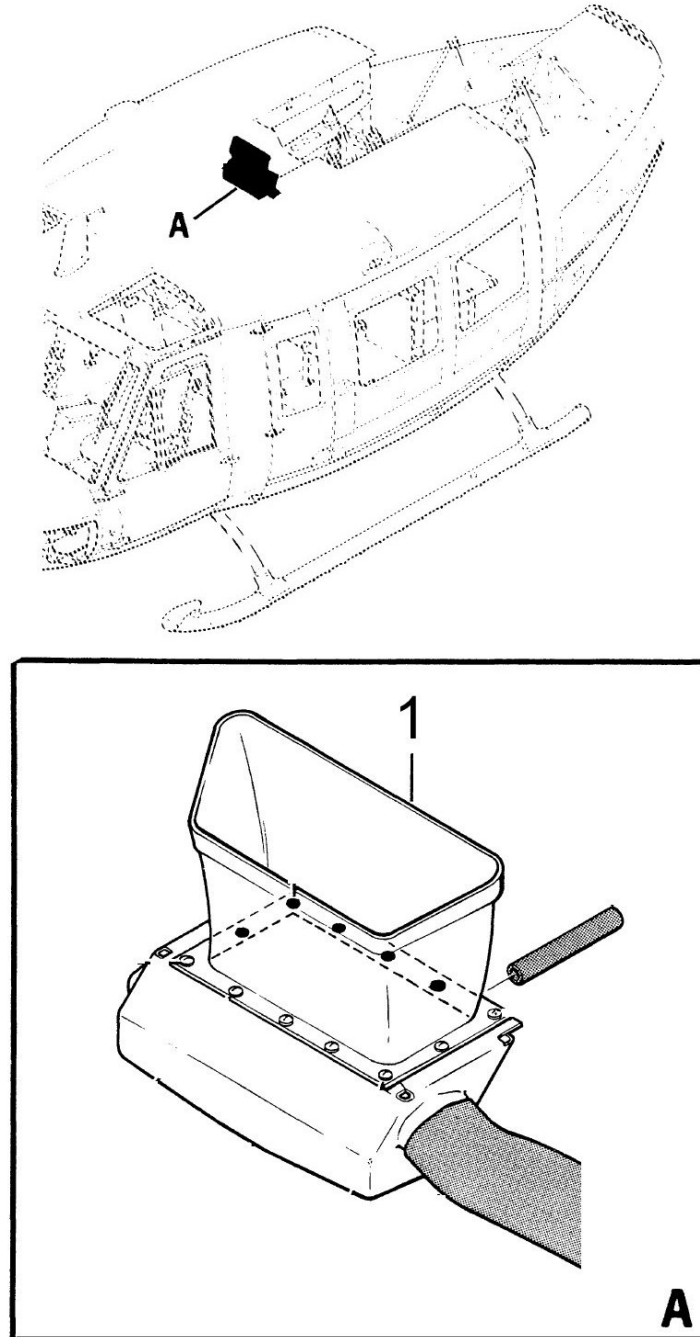


Figure 21-2 D212-725-1-949 Duct



CHAPTER 21 – AIR DISTRIBUTION (VENTILATION) (21-00-00)

| Item<br>Number | Part Number     | Item Name                      | Unit<br>per<br>Assy. | UOC |
|----------------|-----------------|--------------------------------|----------------------|-----|
| Figure 21-2    |                 |                                |                      |     |
| 1              | D212-725-1-949  | Duct Assembly                  | 1                    |     |
| 1              | 205-030-100-011 | Duct Assembly (Alternate Part) | 1                    |     |
|                |                 |                                |                      |     |
|                |                 |                                |                      |     |
|                |                 |                                |                      |     |
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CHAPTER 25 – EQUIPMENT (25-00-00)

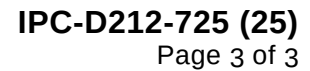
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|               |                                |             |
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|               |                                |             |
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CHAPTER 26 – FIRE PROTECTION (26-00-00)

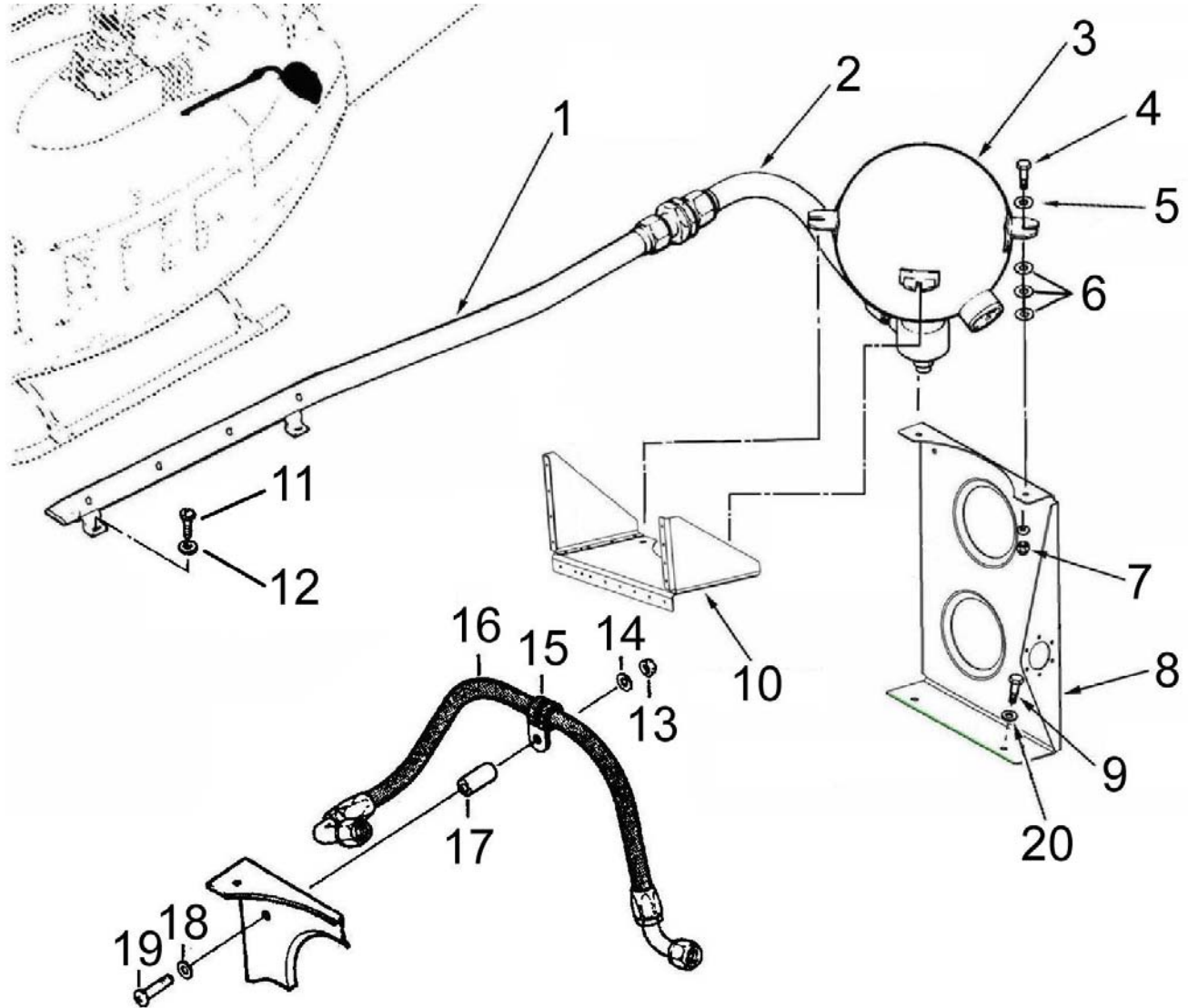


Figure 26-1 Fire Extinguisher Installation



CHAPTER 26 – FIRE PROTECTION (26-00-00)

| Item Number | Part Number     | Item Name                    | Unit per Assy. | UOC |
|-------------|-----------------|------------------------------|----------------|-----|
| Figure 26-1 |                 |                              |                |     |
| 1           | D212-725-1-931  | Tube Assembly                | 1              |     |
| 2           | D212-725-1-925  | Tube Assembly                | 1              |     |
| 3           | 2241-009        | Container (Charged to 6 lbs) | 1              |     |
| 4           | AN4-6A          | Bolt                         | 4              |     |
| 5           | AN970-4         | Washer                       | 4              |     |
| 6           | AN960-416L      | Washer                       | 16             |     |
| 7           | MS21042L4       | Nut                          | 4              |     |
| 8           | D212-725-1-123  | Bracket                      | 2              |     |
| 9           | AN4-3A          | Bolt                         | 2              |     |
| 10          | D212-725-1-923  | Bracket Assembly             | 1              |     |
| 11          | AN525-10R6      | Screw                        | 4              |     |
| 12          | NAS1149C0332R   | Washer                       | 4              |     |
| 13          | MS21042L3       | Nut                          | 1              |     |
| 14          | NAS1149D0332J   | Washer                       | 1              |     |
| 15          | MS21919WDG6     | Clamp                        | 1              |     |
| 16          | 70-061F098F180A | Hose Assembly                | 1              |     |
| 17          | NAS43DD3-48N    | Spacer                       | 1              |     |
| 18          | NAS1149D0332J   | Washer                       | 1              |     |
| 19          | MS27039-1-19    | Screw                        | 1              |     |
| 20          | NAS1149F0463P   | Washer                       | 2              |     |
|             |                 |                              |                |     |
|             |                 |                              |                |     |
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CHAPTER 26 – FIRE PROTECTION (26-00-00)

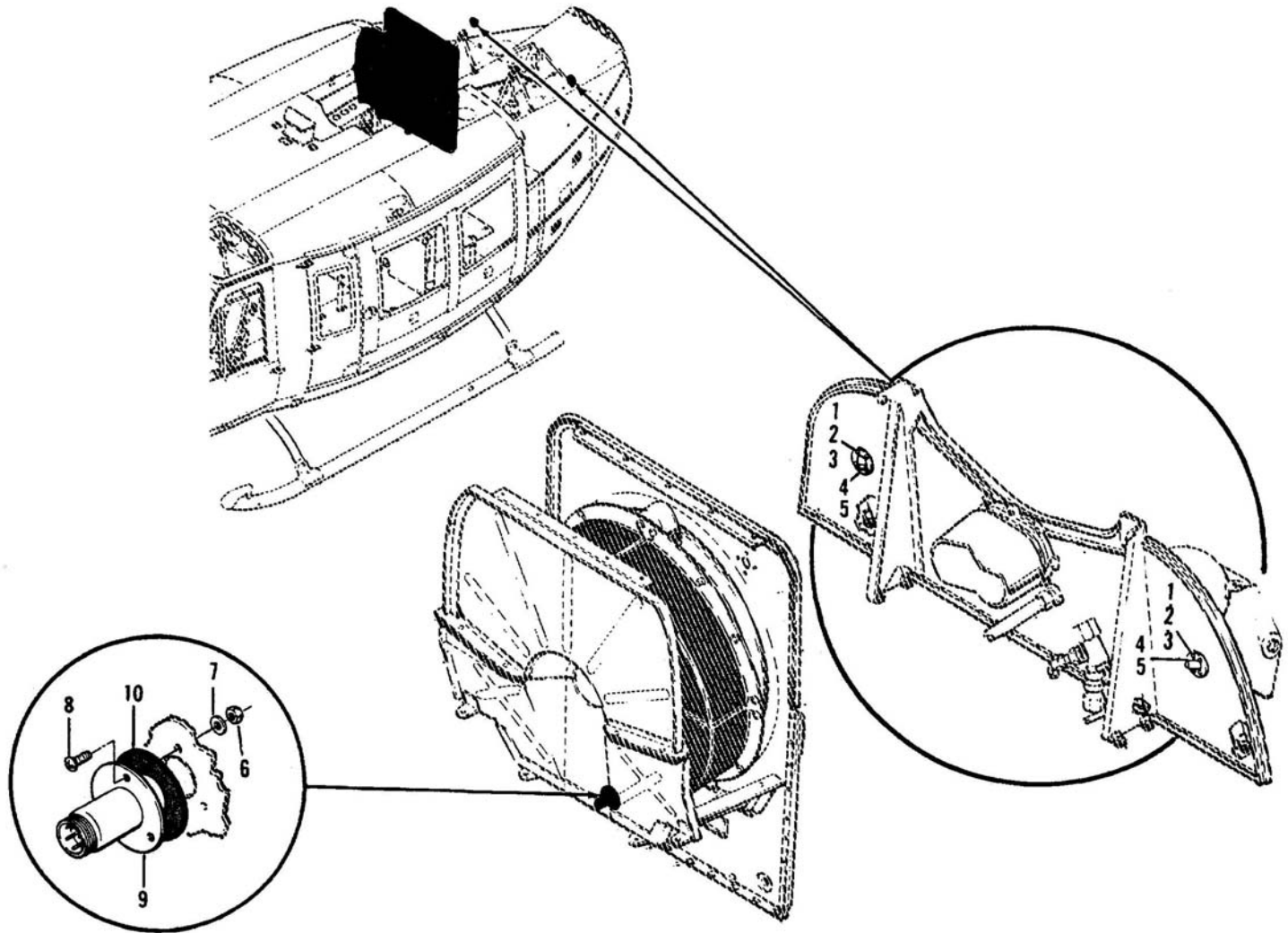


Figure 26-2 Fire Detection Installation



CHAPTER 26 – FIRE PROTECTION (26-00-00)

| Item Number | Part Number     | Item Name      | Unit per Assy. | UOC |
|-------------|-----------------|----------------|----------------|-----|
| Figure 26-2 |                 |                |                |     |
| 1           | MS21069L3       | Nutplate       | 8              |     |
| 2           | NAS1149F0332P   | Washer         | 8              |     |
| 3           | AN525-10R6      | Screw          | 8              |     |
| 4           | 30-207-23       | Flame Detector | 2              |     |
| 5           | 205-061-906-003 | Gasket         | 2              |     |
| 6           | MS21069L3       | Nutplate       | 3              |     |
| 7           | NAS1149F0332P   | Washer         | 3              |     |
| 8           | AN525-10R6      | Screw          | 3              |     |
| 9           | 30-207-22       | Flame Detector | 1              |     |
| 10          | 205-061-906-001 | Gasket         | 1              |     |
|             |                 |                |                |     |

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CHAPTER 28 – FUEL SYSTEM (28-00-00)

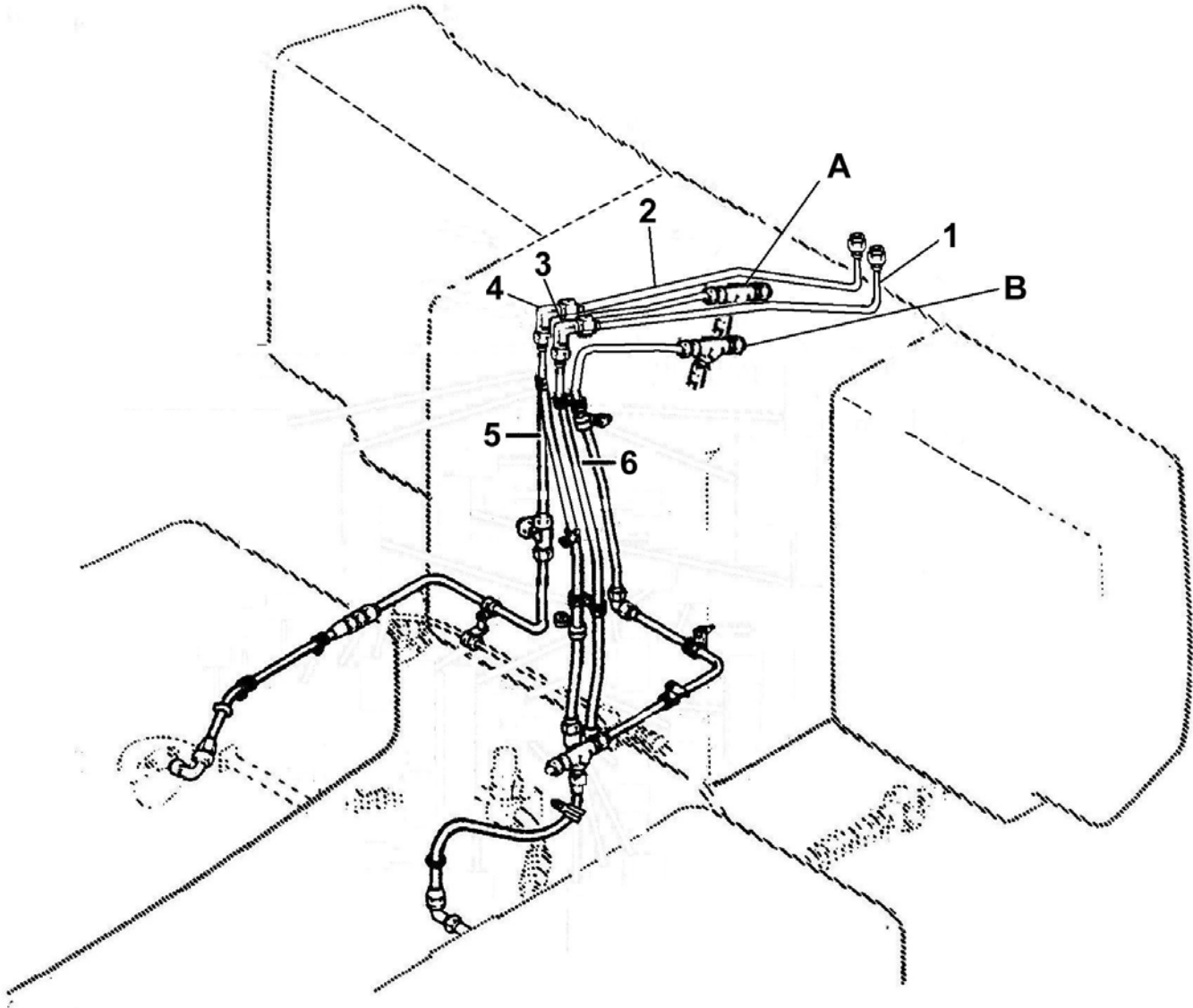


Figure 28-1 Fuel System Installation (Sheet 1 of 2)

CHAPTER 28 – FUEL SYSTEM (28-00-00)

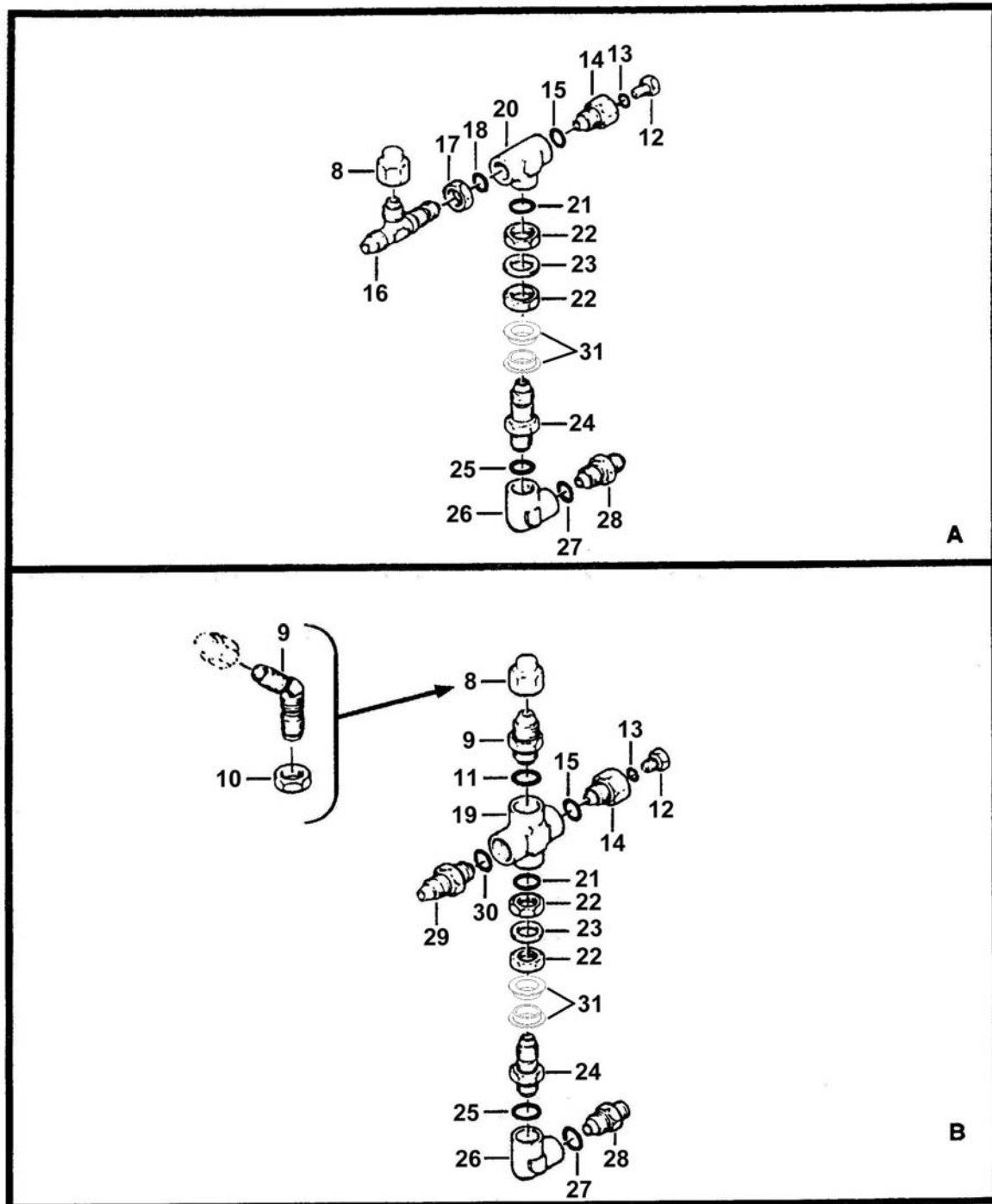
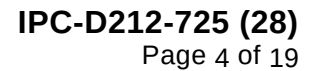


Figure 28-1 Fuel system Installation (Sheet 2 of 2)



| Item Number | Part Number     | Item Name                    | Unit per Assy. | UOC |
|-------------|-----------------|------------------------------|----------------|-----|
| Figure 28-1 |                 |                              |                |     |
| 1           | 205-061-694-001 | Tube Assembly                | 1              |     |
| 2           | 205-061-693-001 | Tube Assembly                | 1              |     |
| 3           | AN821-10D       | Elbow                        | 1              |     |
| 4           | AN821-10D       | Elbow                        | 1              |     |
| 5           | 205-060-649-001 | Tube Assembly                | 1              |     |
| 6           | 205-060-648-001 | Tube Assembly                | 1              |     |
| 8           | AN929-8         | Cap                          | 2              |     |
| 9           | AN929-8D        | Union (s/n 31125 thru 31206) | 1              |     |
| 9           | AN837-8D        | Elbow (s/n 31207 thru sub)   | 1              |     |
| 10          | AN924-8D        | Nut (s/n 31207 thru sub)     | 1              |     |
| 11          | MS29512-08      | Packing, Preformed           | 1              |     |
| 12          | 204-061-689-001 | Valve                        | 2              |     |
| 13          | MS29512-06      | Packing, Preformed           | 2              |     |
| 14          | AN893-12D       | Bushing                      | 2              |     |
| 15          | MS29512-08      | Packing, Preformed           | 2              |     |
| 16          | AN804D8         | Tee                          | 1              |     |
| 17          | AN924-8D        | Nut                          | 1              |     |
| 18          | MS29512-08      | Packing, Preformed           | 1              |     |
| 19          | AN937D8         | Cross                        | 1              |     |
| 20          | AN938D8         | Tee                          | 1              |     |
| 21          | MS29512-08      | Packing, Preformed           | 2              |     |
| 22          | AN924-8D        | Nut                          | 4              |     |
| 23          | NAS1149D1216J   | Washer                       | 2              |     |
| 24          | D212-725-1-093  | Union                        | 2              |     |
| 25          | MS29512-08      | Packing, Preformed           | 2              |     |
| 26          | AN939D8         | Elbow                        | 2              |     |
| 27          | MS29512-08      | Packing, Preformed           | 2              |     |
| 28          | AN815-8D        | Union                        | 2              |     |
| 29          | AN815-8D        | Union                        | 1              |     |
| 30          | MS29512-08      | Packing, Preformed           | 1              |     |
| 31          | D212-725-1-105  | Bushing                      | 4              |     |
|             |                 |                              |                |     |
|             |                 |                              |                |     |
|             |                 |                              |                |     |
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CHAPTER 28 – FUEL SYSTEM (28-00-00)

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CHAPTER 28 – FUEL SYSTEM (28-00-00)

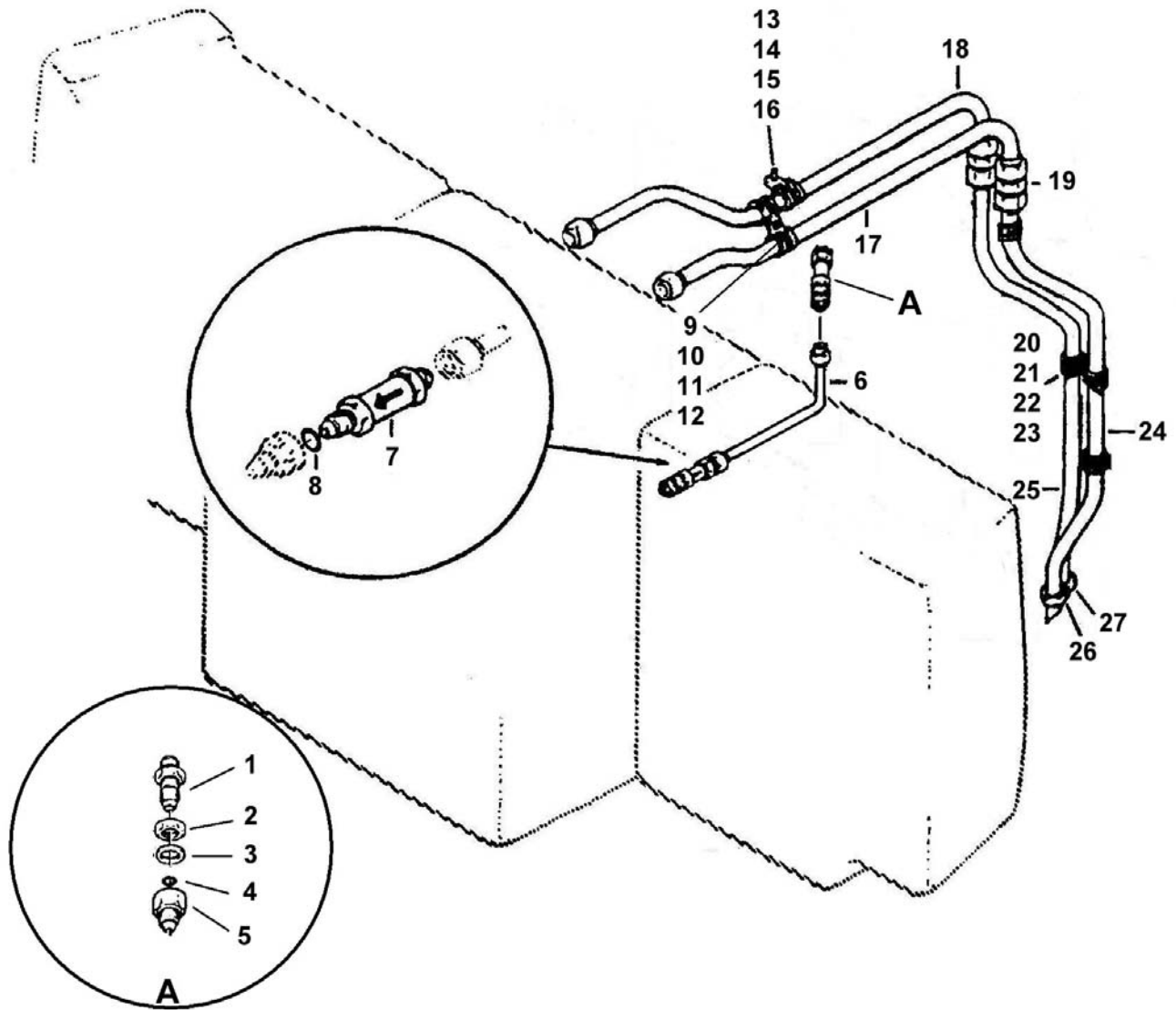


Figure 28-2 Fuel System Installation



CHAPTER 28 – FUEL SYSTEM (28-00-00)

| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 28-2 |                 |                    |                |     |
| 1           | AN832-5         | Union              | 1              |     |
| 2           | NAS1149D0863J   | Washer             | 1              |     |
| 3           | AN924-5         | Nut                | 1              |     |
| 4           | MS29512-05      | Packing, Preformed | 1              |     |
| 5           | AN893-5-4       | Bushing Reducer    | 1              |     |
| 6           | 205-061-685-001 | Tube Assembly      | 1              |     |
| 7           | 458-4D1-6       | Valve              | 1              |     |
| 8           | MS29512-04      | Packing, Preformed | 1              |     |
| 9           | MS21042L3       | Nut                | 1              |     |
| 10          | NAS1149D0332J   | Washer             | 1              |     |
| 11          | MS35207-264     | Screw              | 1              |     |
| 12          | MS21919WDG12    | Clamp              | 2              |     |
| 13          | MS27039-1-24    | Screw              | 1              |     |
| 14          | NAS1149D0332J   | Washer             | 1              |     |
| 15          | NAS43DD3-70     | Spacer             | 1              |     |
| 16          | MS21919WDG12    | Clamp              | 1              |     |
| 17          | D212-725-1-913  | Tube Assembly      | 1              | 1   |
| 17          | D212-725-1-941  | Tube Assembly      | 1              | 2   |
| 18          | D212-725-1-915  | Tube Assembly      | 1              | 1   |
| 18          | D212-725-1-943  | Tube Assembly      | 1              | 2   |
| 19          | AN815-12D       | Union              | 2              |     |
| 20          | MS21042L3       | Nut                | 1              |     |
| 21          | NAS1149D0332J   | Washer             | 1              |     |
| 22          | MS35207-263     | Screw              | 1              |     |
| 23          | MS21919WDG12    | Clamp              | 2              |     |
| 24          | 212-060-653-001 | Tube Assembly      | 1              | 1   |
| 24          | D212-725-1-945  | Tube Assembly      | 1              | 2   |
| 25          | 212-060-642-001 | Tube Assembly      | 1              | 1   |
| 25          | D212-725-1-945  | Tube Assembly      | 1              | 2   |
| 26          | MS35489-20      | Grommet            | 1              |     |
| 27          | MS35489-21      | Grommet            | 1              |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |

UOC Code

1 - S/N 30817, 30576, 30687, 30599, 30931 and 30544

2 - All S/N's except 30817, 30576, 30687, 30599, 30931 and 30544

CHAPTER 28 – FUEL SYSTEM (28-00-00)

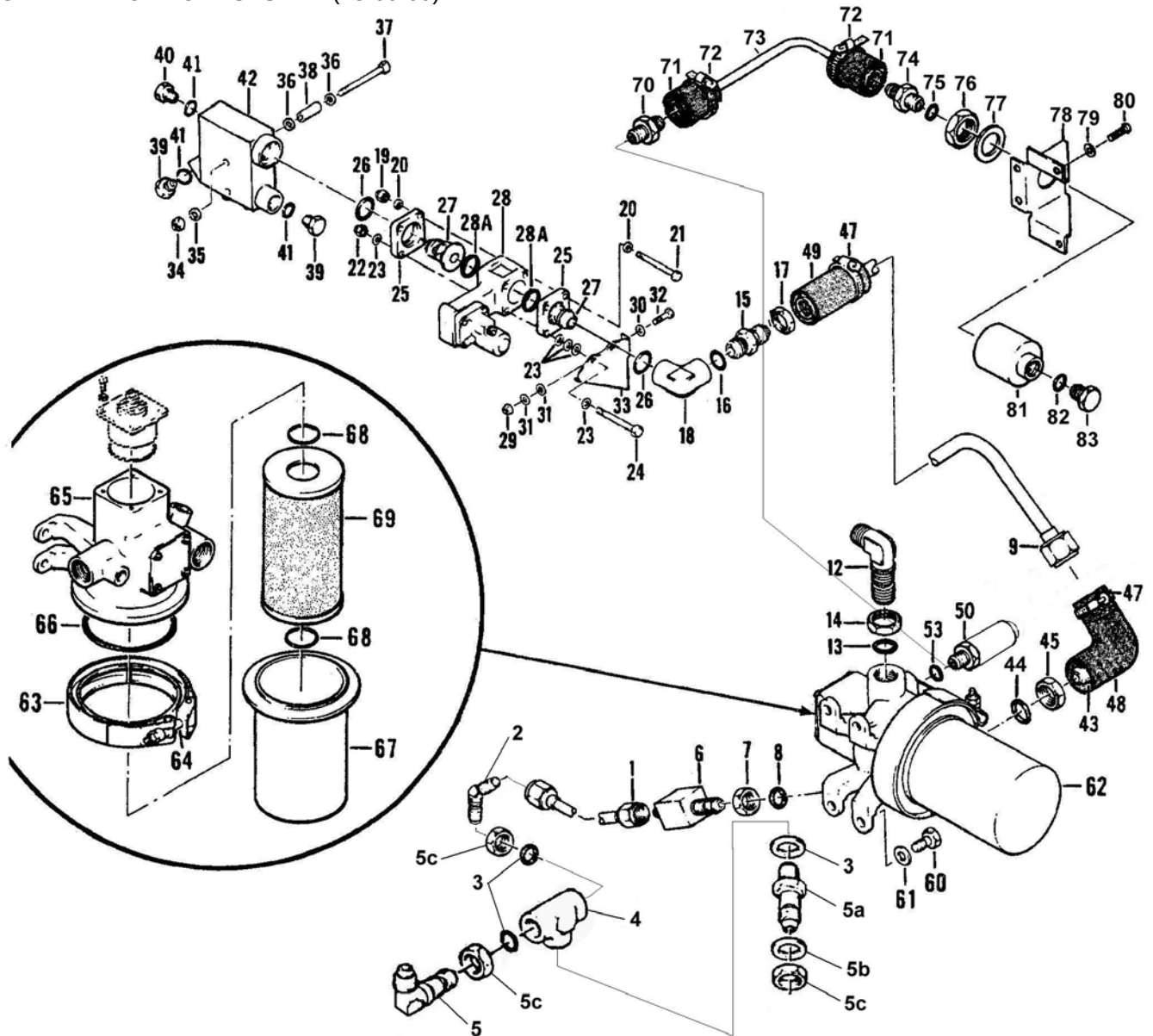


Figure 28-3 Fuel Filter and Firewall Shut Off



CHAPTER 28 – FUEL SYSTEM (28-00-00)

| Item Number | Part Number     | Item Name              | Unit per Assy. | UOC |
|-------------|-----------------|------------------------|----------------|-----|
| Figure 28-3 |                 |                        |                |     |
| 1           | D212-725-1-917  | Tube Assembly          | 1              |     |
| 2           | AN837-6         | Fitting                | 1              |     |
| 3           | MS29512-06      | Packing, Preformed     | 3              |     |
| 4           | AN917-6         | Fitting                | 1              |     |
| 5           | AN833-6         | Elbow                  | 1              |     |
| 5a          | AN832-6         | Fitting                | 1              |     |
| 5b          | NAS1149C0963R   | Washer                 | 1              |     |
| 5c          | AN924-6         | Nut                    | 3              |     |
| 6           | 475C62NWPS      | Valve                  | 1              |     |
| 7           | AN924-6         | Nut                    | 1              |     |
| 8           | MS29512-06      | Packing, Preformed     | 1              |     |
| 9           | 205-061-674-001 | Tube Assembly          | 1              |     |
| 12          | AN833-10        | Elbow                  | 1              |     |
| 13          | MS29512-10      | Packing, Preformed     | 1              |     |
| 14          | AN924-10        | Nut                    | 1              |     |
| 15          | AN832-10        | Union                  | 1              |     |
| 16          | MS29512-10      | Packing, Preformed     | 1              |     |
| 17          | AN924-10        | Nut                    | 1              |     |
| 18          | AN939D10        | Elbow                  | 1              |     |
| 19          | MS21042L3       | Nut                    | 2              |     |
| 20          | NAS1149D0332J   | Washer                 | 4              |     |
| 21          | AN3-21A         | Bolt                   | 2              |     |
| 22          | MS21042L3       | Nut                    | 2              |     |
| 23          | NAS1149D0363J   | Washer                 | 10             |     |
| 24          | AN3-24A         | Bolt                   | 2              |     |
| 25          | MS20756D16      | Flange                 | 2              |     |
| 26          | MS29512-10      | Packing, Preformed     | 2              |     |
| 27          | 205-060-616-001 | Bearing                | 2              |     |
| 28          | 205-060-612-003 | Valve                  | 1              |     |
| 28          | 233565          | Valve (Alternate Part) | 1              |     |
| 28A         | MS29512-10      | Packing, Preformed     | 2              |     |
| 29          | MS21043-3       | Nut                    | 3              |     |
| 30          | NAS1149C0332R   | Washer                 | 3              |     |
| 31          | NAS1149D0332J   | Washer                 | 6              |     |
| 32          | AN3C3A          | Bolt                   | 3              |     |
| 33          | D212-725-1-195  | Bracket                | 1              | 1   |
| 34          | MS21043-3       | Nut                    | 2              |     |
| 35          | NAS1149C0332R   | Washer                 | 2              |     |
| 36          | NAS1149D0332J   | Washer                 | 4              |     |
| 37          | AN3C24A         | Bolt                   | 2              |     |
| 38          | NAS43DD3-56     | Spacer                 | 2              |     |
| 39          | AN814-4WL       | Plug                   | 2              |     |

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CHAPTER 28 – FUEL SYSTEM (28-00-00)

| Item Number | Part Number     | Item Name                           | Unit per Assy. | UOC |
|-------------|-----------------|-------------------------------------|----------------|-----|
| Figure 28-3 |                 |                                     |                |     |
| 40          | AN814-4W        | Plug                                | 1              |     |
| 41          | MS29512-04      | Packing, Preformed                  | 3              |     |
| 42          | 205-060-611-003 | Manifold                            | 1              |     |
| 43          | AN833-10        | Elbow                               | 1              |     |
| 44          | MS29512-10      | Packing, Preformed                  | 1              |     |
| 45          | AN924-10        | Nut                                 | 1              |     |
| 46          | 205-061-537-001 | Tube Assembly                       | 1              |     |
| 47          | AN737TW34       | Clamp                               | 2              |     |
| 48          | 205-061-531-019 | Shroud                              | 1              |     |
| 49          | 205-061-531-015 | Shroud                              | 1              |     |
| 50          | BAS520-50G      | Transducer                          | 1              | 1   |
| 53          | MS29512-04      | Packing, Preformed                  | 1              |     |
| 60          | AN3H3A          | Bolt                                | 4              |     |
| 61          | NAS1149D0363J   | Washer                              | 4              |     |
| 62          | 204-040-760-005 | Filter Assembly                     | 1              |     |
| 63          | N4309S5-350     | Clamp Assembly (Post ASB 205-80-14) | 1              |     |
| 64          | 200L4-275-75    | T-Bolt (Post ASB 205-80-14)         | 1              |     |
| 65          | 204-040-760-011 | Head                                | 1              |     |
| 66          | MS29513-237     | Packing, Preformed                  | 1              |     |
| 67          | 204-040-760-015 | Sump Bowl                           | 1              |     |
| 68          | MS29513-024     | Packing, Preformed                  | 2              |     |
| 69          | 204-040-760-013 | Element                             | 1              |     |
| 70          | 204-060-670-001 | Restrictor                          | 1              | 2   |
| 71          | 205-061-531-015 | Shroud                              | 2              | 2   |
| 72          | AN737TW24       | Clamp                               | 2              | 2   |
| 73          | 205-061-537-001 | Tube Assembly                       | 1              | 2   |
| 74          | AN815-4         | Union                               | 1              | 2   |
| 75          | MS29512-04      | Packing, Preformed                  | 3              | 2   |
| 76          | AN924-12J       | Nut                                 | 1              | 2   |
| 77          | NAS1149C1790R   | Washer                              | 1              | 2   |
| 78          | 205-061-686-001 | Bracket                             | 1              | 2   |
| 79          | NAS1149D0332J   | Washer                              | 4              | 2   |
| 80          | MS27039-1-05    | Screw                               | 4              | 2   |
| 81          | 130-020-1       | Transmitter, Fuel Pressure          | 1              | 2   |
| 82          | MS29512-04      | Packing, Preformed                  | 1              | 2   |
| 83          | 100-016-1       | Plug                                | 1              | 2   |

UOC Code

1 - All S/N except 30817, 30576, 30687, 30599, 30544 and 30931

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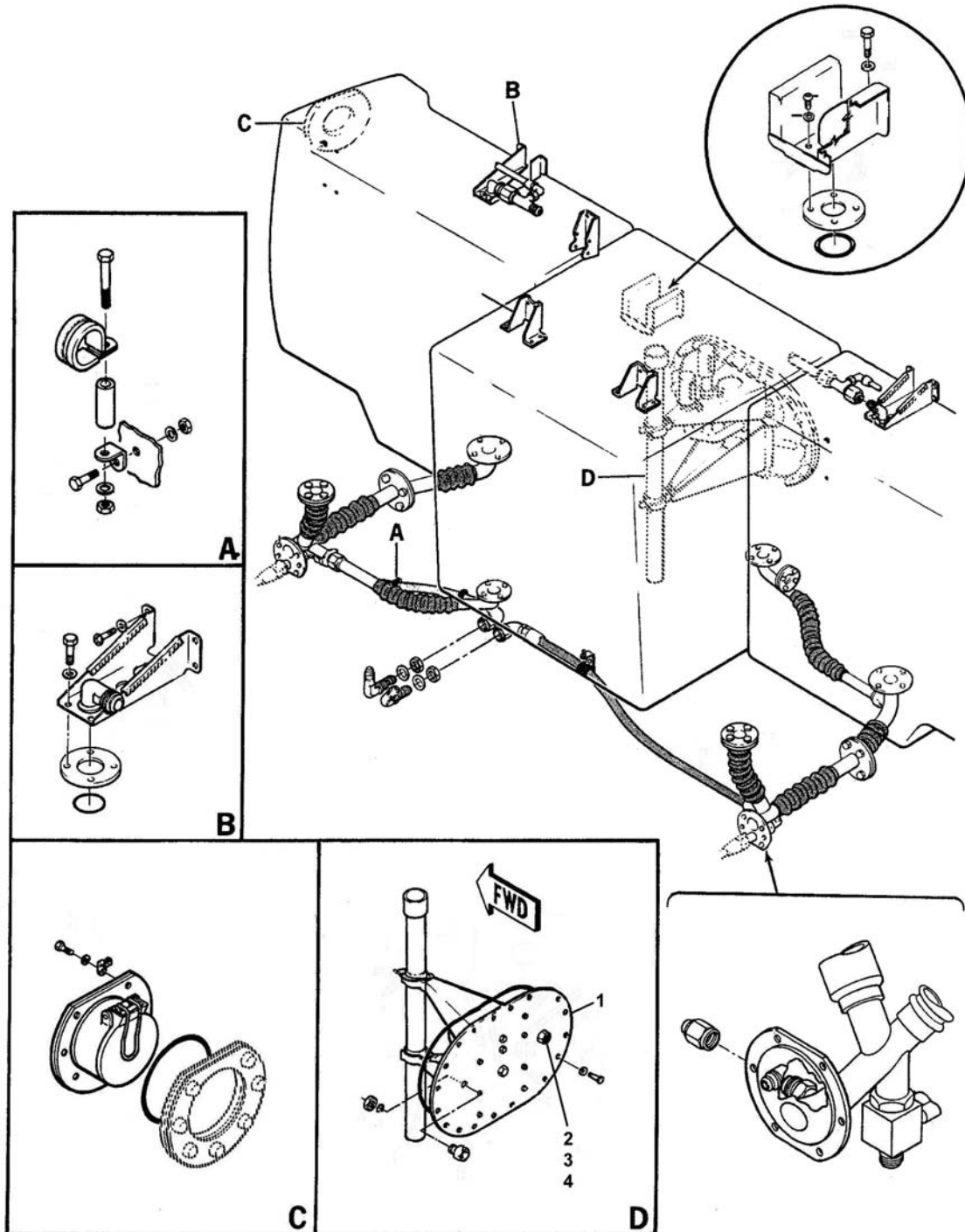


Figure 28-4 Fuel System Installation



CHAPTER 28 – FUEL SYSTEM (28-00-00)

| Item Number | Part Number     | Item Name                      | Unit per Assy. | UOC |
|-------------|-----------------|--------------------------------|----------------|-----|
| Figure 28-4 |                 |                                |                |     |
| 1           | 205-061-642-009 | Door Assembly                  | 1              |     |
| 1           | D212-725-1-249  | Door Assembly (Alternate Part) | 1              |     |
| 2           | 205-061-684-001 | Nut                            | 1              |     |
| 3           | AN814-8D        | Plug                           | 1              |     |
| 4           | MS29512-08      | Packing, Preformed             | 1              |     |
|             |                 |                                |                |     |
|             |                 |                                |                |     |
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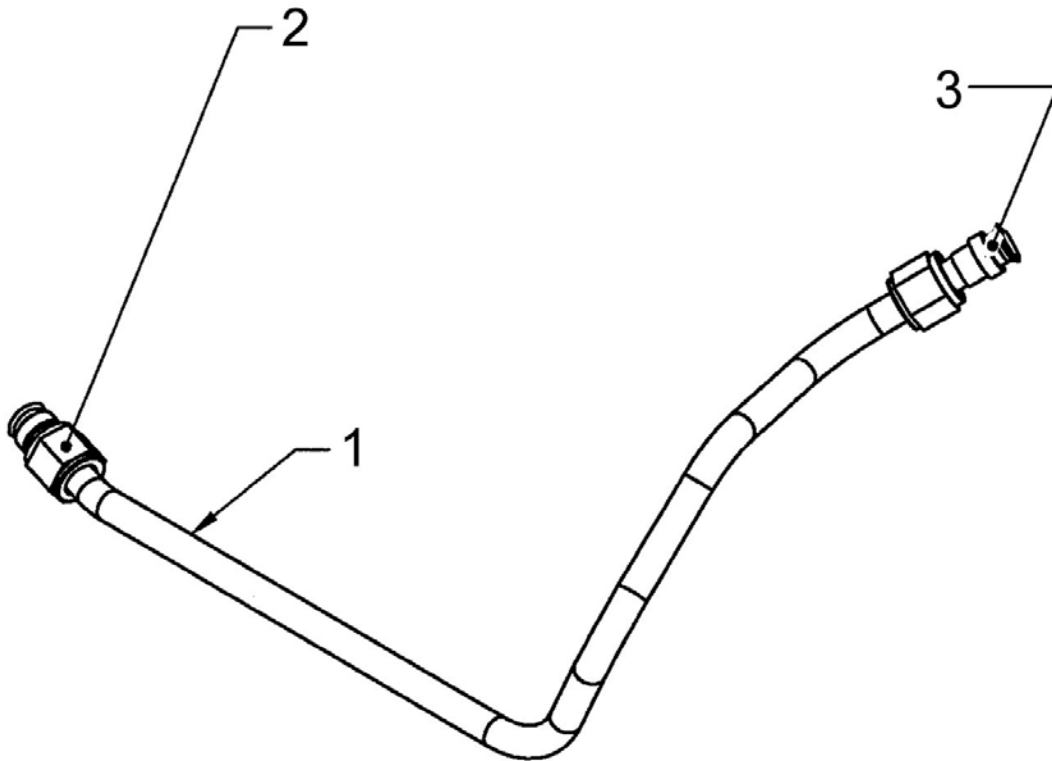


Figure 28-5 Aux Fuel System



CHAPTER 28 – FUEL SYSTEM (28-00-00)

| Item Number | Part Number    | Item Name                              | Unit per Assy. | UOC |
|-------------|----------------|----------------------------------------|----------------|-----|
| Figure 28-5 |                |                                        |                |     |
| 1           | D212-725-1-927 | Tube Assembly (Replaces 212-060-668-1) | 1              |     |
| 2           | Connects to    | 70-010H000T060 Hose Assembly           | Ref            |     |
| 3           | Connects to    | 212-060-667-1 Tube Assembly            | Ref            |     |
|             |                |                                        |                |     |
|             |                |                                        |                |     |
|             |                |                                        |                |     |
|             |                |                                        |                |     |
|             |                |                                        |                |     |
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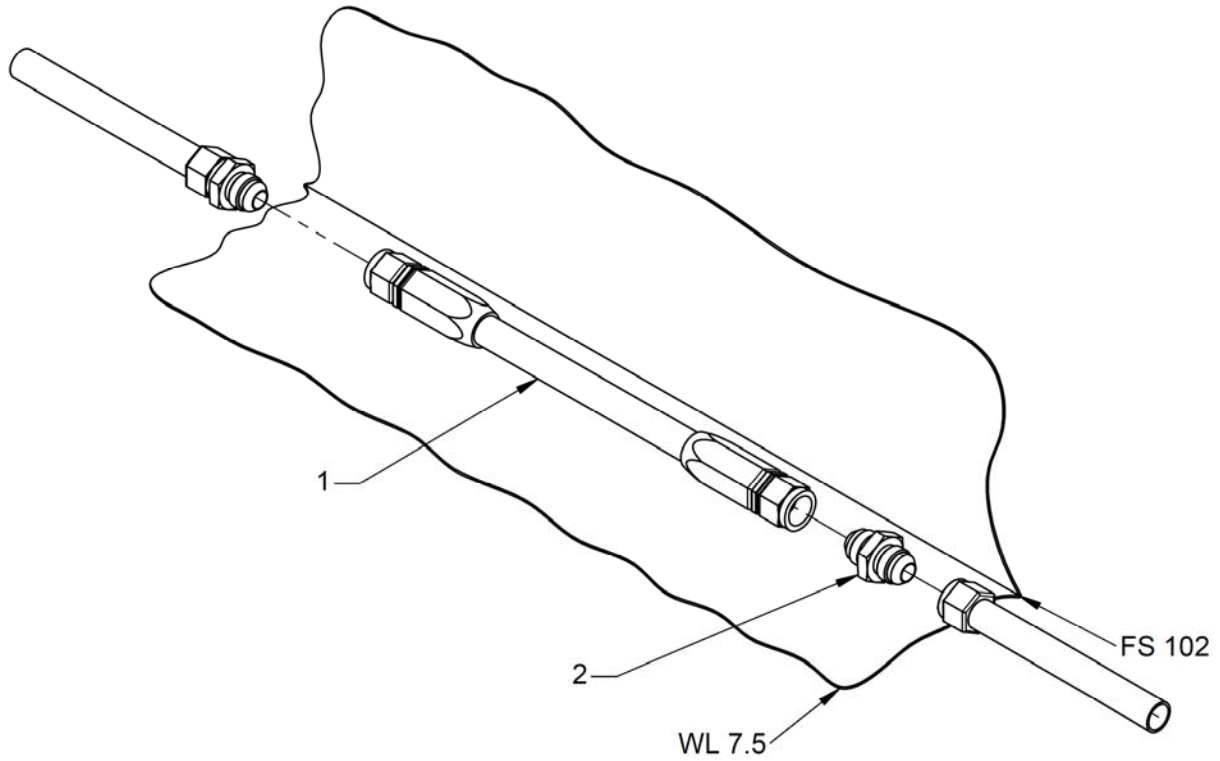


Figure 28-6 Fwd Interconnect Valve Location



CHAPTER 28 – FUEL SYSTEM (28-00-00)

| Item Number | Part Number    | Item Name     | Unit per Assy. | UOC |
|-------------|----------------|---------------|----------------|-----|
| Figure 28-6 |                |               |                |     |
| 1           | D212-725-1-273 | Hose Assembly | 1              | 1   |
| 2           | AN815-8D       | Union         | 1              | 1   |
|             |                |               |                |     |
|             |                |               |                |     |
|             |                |               |                |     |
|             |                |               |                |     |
|             |                |               |                |     |
|             |                |               |                |     |

UOC Code

1 – All aircraft serial numbers except S/N 30687, 30931, 30576, 30817, 30599, 30544, 30866, and 30826 unless DSB-D212-725-4 has been incorporated.

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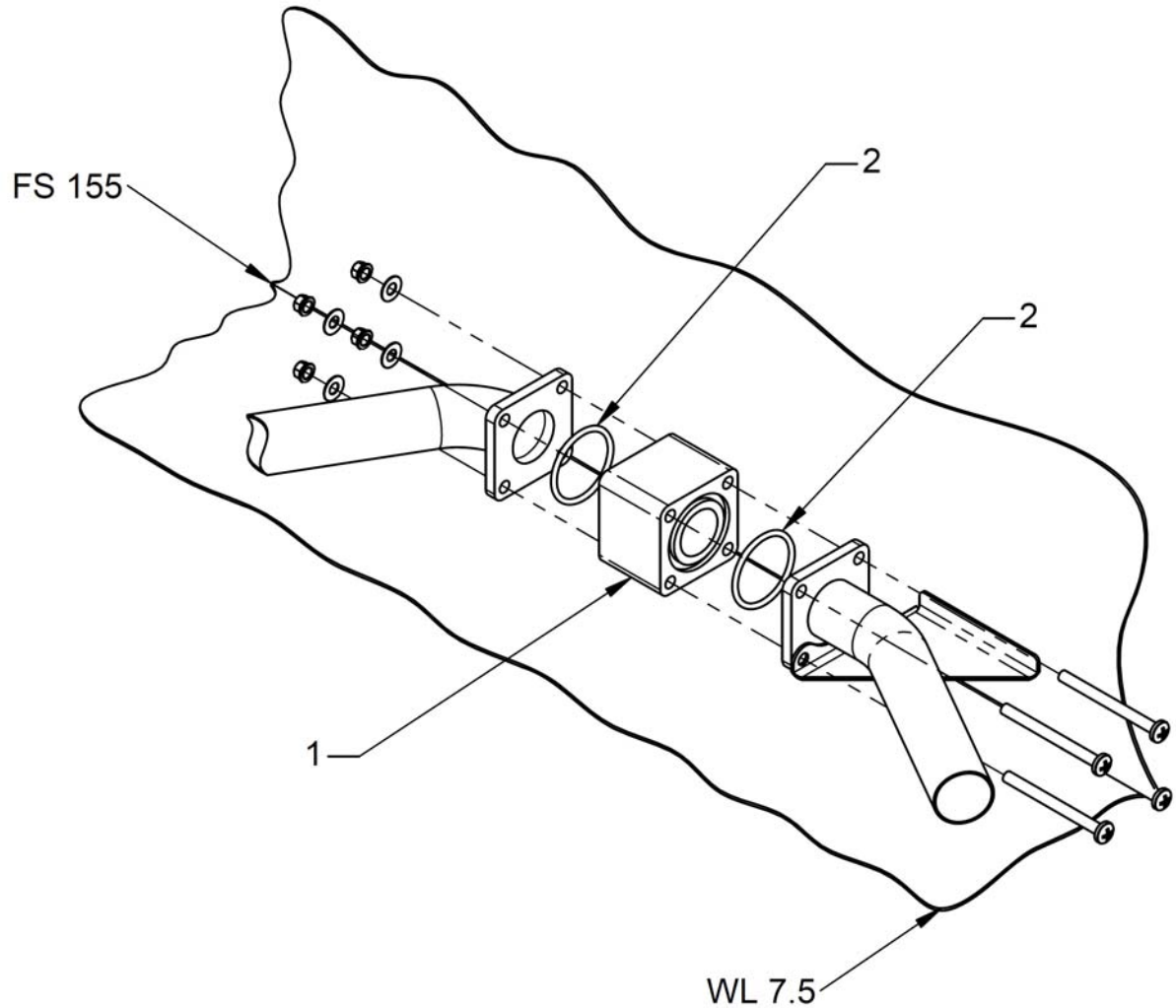


Figure 28-7 Rear Interconnect Valve Location



CHAPTER 28 – FUEL SYSTEM (28-00-00)

| Item Number | Part Number    | Item Name          | Unit per Assy. | UOC |
|-------------|----------------|--------------------|----------------|-----|
| Figure 28-7 |                |                    |                |     |
| 1           | D212-725-1-271 | Fitting            | 1              | 1   |
| 2           | MS29513-123    | Packing, Preformed | 2              | 1   |
|             |                |                    |                |     |
|             |                |                    |                |     |
|             |                |                    |                |     |
|             |                |                    |                |     |
|             |                |                    |                |     |
|             |                |                    |                |     |

UOC Code

1 – All aircraft serial numbers except S/N 30687, 30931, 30576, 30817, 30599, 30544, 30866, and 30826, unless DSB-D212-725-4 has been incorporated.

## CHAPTER 29 – HYDRAULICS (29-00-00)

# CONTENTS – IPC

## CHAPTER 29 HYDRAULICS

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CHAPTER 29 – FUSELAGE (29-00-00)

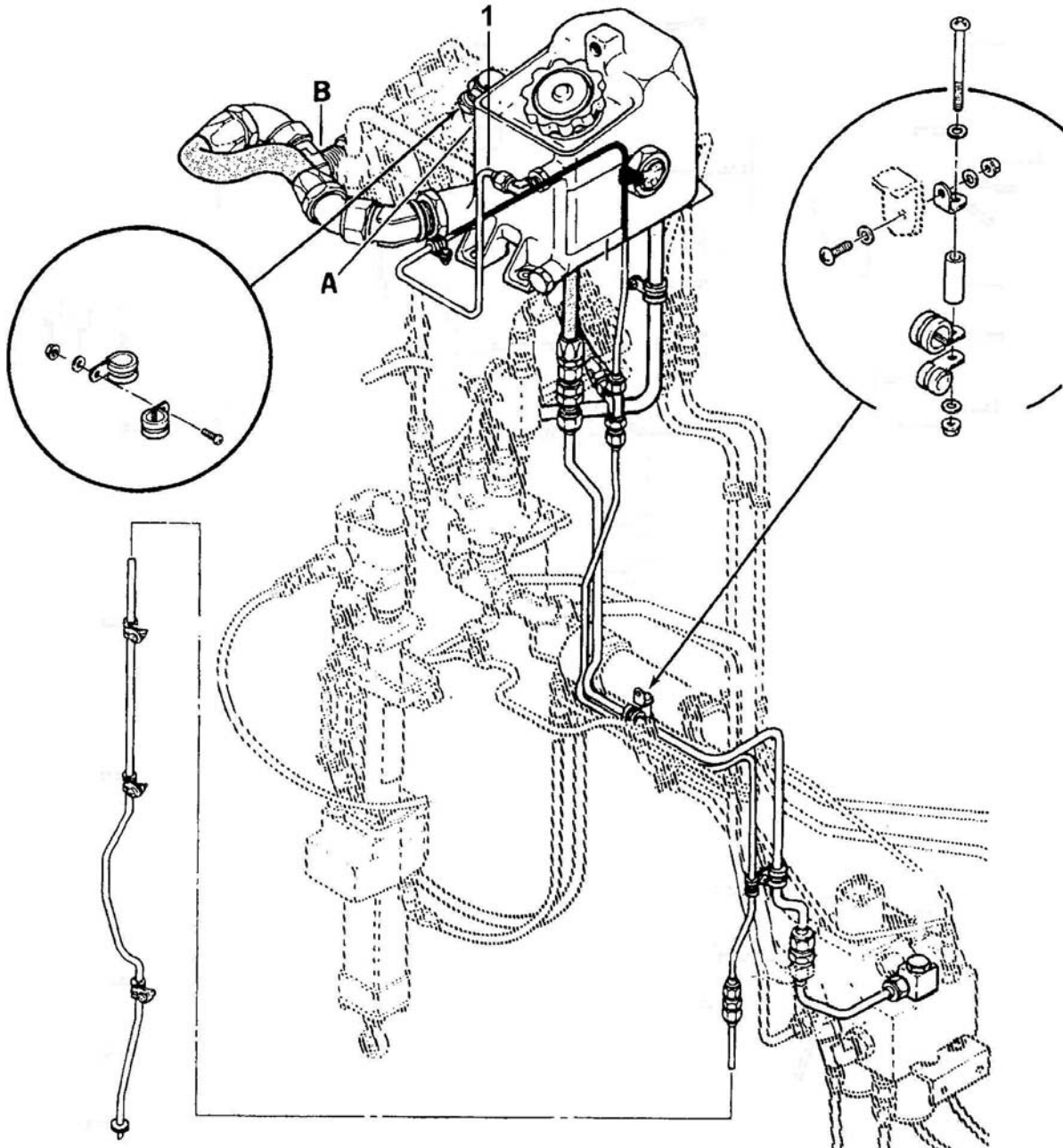


Figure 29-1 Hydraulic System 2 Installation (Sheet 1 of 2)

CHAPTER 29 – FUSELAGE (29-00-00)

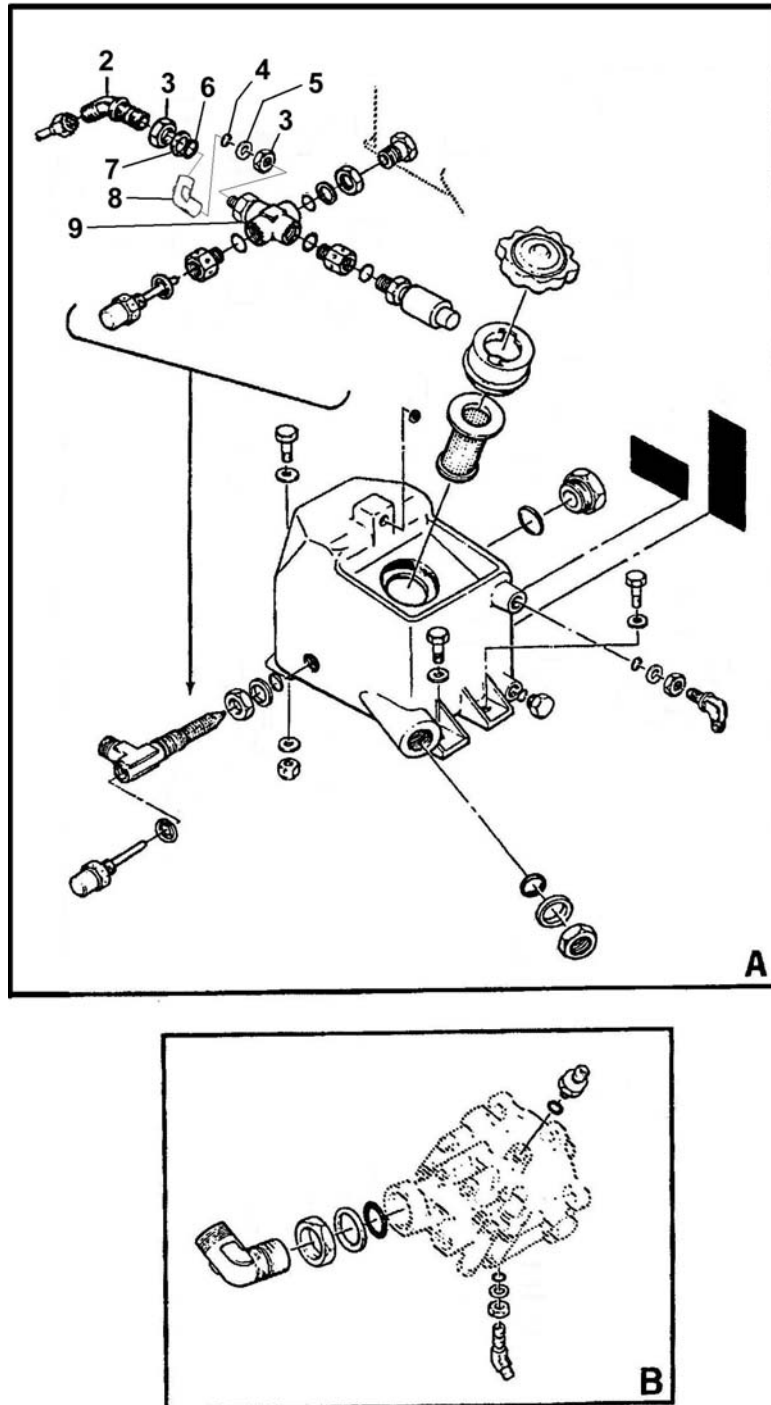


Figure 29-1 Hydraulic System 2 Installation (Sheet 2 of 2)



CHAPTER 29 – FUSELAGE (29-00-00)

| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 29-1 |                 |                    |                |     |
| 1           | 205-076-384-001 | Tube Assembly      | 1              |     |
| 2           | MS21907W8       | Elbow              | 1              |     |
| 3           | AN6289D8        | Nut                | 2              |     |
| 4           | MS28778-8       | Packing, Preformed | 1              |     |
| 5           | MS28773-8       | Retainer           | 1              |     |
| 6           | MS28778-8       | Packing, Preformed | 1              |     |
| 7           | MS28773-8       | Retainer           | 1              |     |
| 8           | AN939D8         | Fitting            | 1              |     |
| 9           | AN832D8         | Fitting            | 1              |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |
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CHAPTER 29 – FUSELAGE (29-00-00)

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CHAPTER 29 – FUSELAGE (29-00-00)

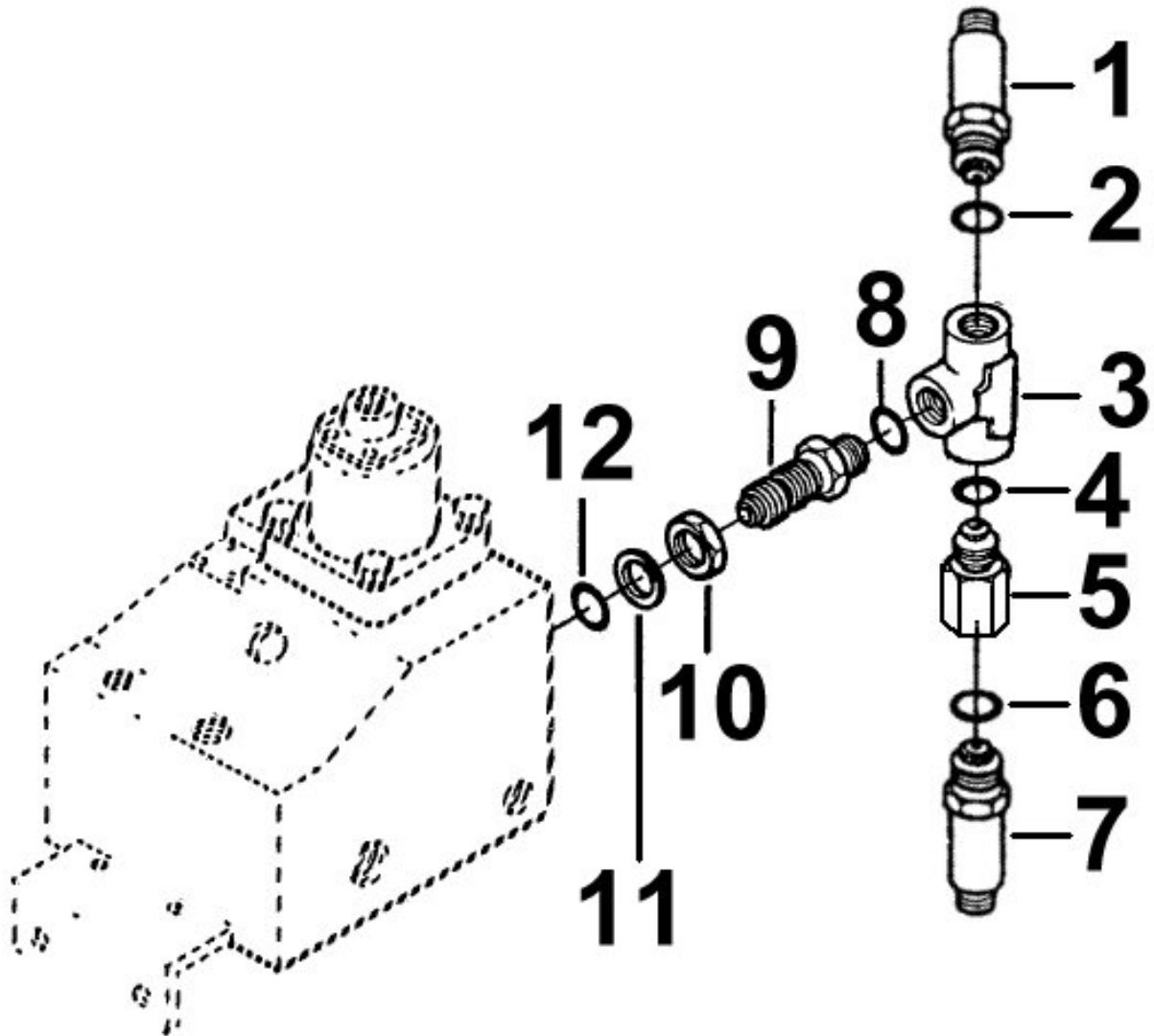


Figure 29-2 Hydraulic System 1 Pressure Switch and Pressure Transducer Installation  
(All S/N except 30817, 30576, 30687, 30599 and 30931)



CHAPTER 29 – FUSELAGE (29-00-00)

| Item Number | Part Number     | Item Name           | Unit per Assy. | UOC |
|-------------|-----------------|---------------------|----------------|-----|
| Figure 29-2 |                 |                     |                |     |
| 1           | 205-076-044-007 | Pressure Switch     | 1              |     |
| 2           | MS28778-6       | Packing, Preformed  | 1              |     |
| 3           | AN938D6         | Fitting             | 1              |     |
| 4           | MS28778-6       | Packing, Preformed  | 1              |     |
| 5           | AN893-2D        | Fitting             | 1              |     |
| 6           | MS28778-4       | Packing, Preformed  | 1              |     |
| 7           | BAS-520-1500SG  | Pressure Transducer | 1              |     |
| 8           | MS28778-6       | Packing, Preformed  | 1              |     |
| 9           | MS21924D6       | Fitting             | 1              |     |
| 10          | AN6389D6        | Nut                 | 1              |     |
| 11          | MS28773-06      | Retainer            | 1              |     |
| 12          | MS28778-6       | Packing, Preformed  | 1              |     |
|             |                 |                     |                |     |
|             |                 |                     |                |     |
|             |                 |                     |                |     |
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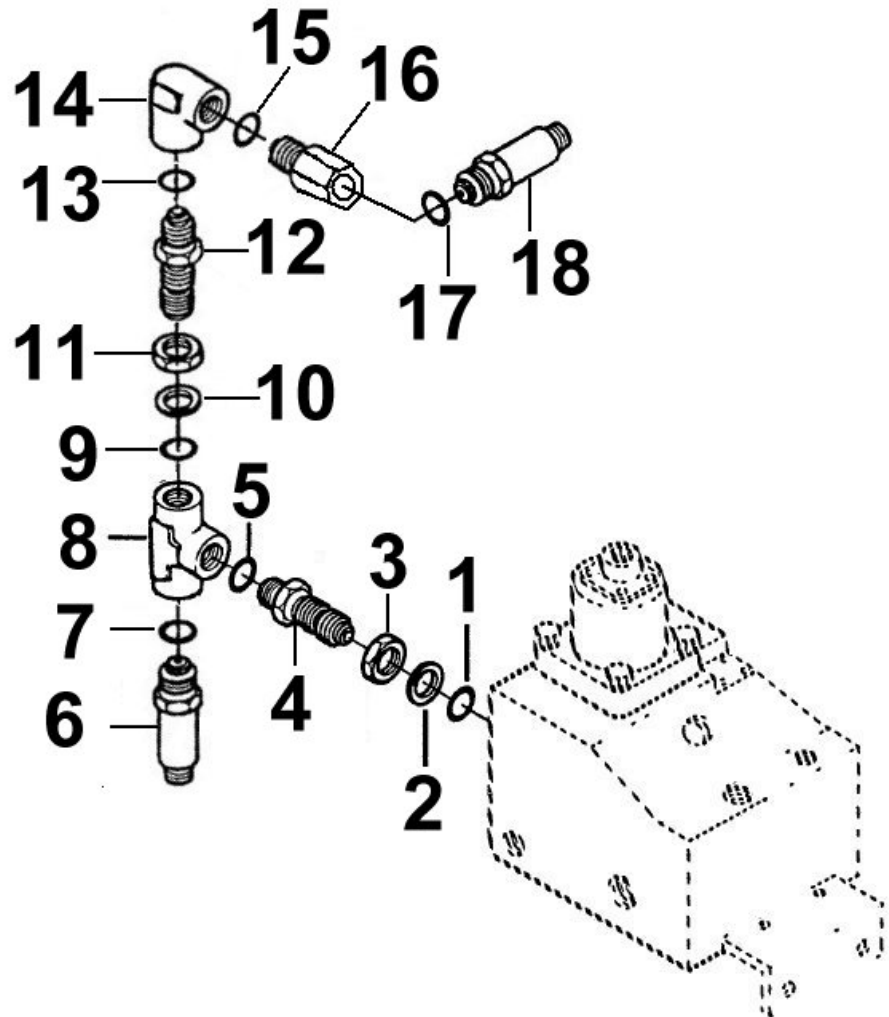


Figure 29-3 Hydraulic System 2 Pressure Switch and Pressure Transducer Installation  
(All S/N except 30817, 30576, 30687, 30599 and 30931)



CHAPTER 29 – FUSELAGE (29-00-00)

| Item Number | Part Number     | Item Name           | Unit per Assy. | UOC |
|-------------|-----------------|---------------------|----------------|-----|
| Figure 29-3 |                 |                     |                |     |
| 1           | MS28778-6       | Packing, Preformed  | 1              |     |
| 2           | MS28773-06      | Retainer            | 1              |     |
| 3           | AN6289D6        | Nut                 | 1              |     |
| 4           | MS21924D6       | Fitting             | 1              |     |
| 5           | MS28778-6       | Packing, Preformed  | 1              |     |
| 6           | 205-076-044-007 | Pressure Switch     | 1              |     |
| 7           | MS28778-6       | Packing, Preformed  | 1              |     |
| 8           | AN938D6         | Fitting             | 1              |     |
| 9           | MS28778-6       | Packing, Preformed  | 1              |     |
| 10          | MS28773-6       | Retainer            | 1              |     |
| 11          | AN6289-6D       | Nut                 | 1              |     |
| 12          | MS21924W6       | Fitting             | 1              |     |
| 13          | MS28778-6       | Packing, Preformed  | 1              |     |
| 14          | AN939D6         | Elbow               | 1              |     |
| 15          | MS28778-6       | Packing, Preformed  | 1              |     |
| 16          | AN893-2D        | Fitting             | 1              |     |
| 17          | MS28778-4       | Packing, Preformed  | 1              |     |
| 18          | BAS-520-150SG   | Pressure Transducer | 1              |     |
|             |                 |                     |                |     |
|             |                 |                     |                |     |
|             |                 |                     |                |     |
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CHAPTER 30 – ICE AND RAIN PROTECTION (30-00-00)

# CHAPTER 30 ICE AND RAIN PROTECTION (30-00-00)

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CHAPTER 32 – LANDING GEAR (32-00-00)

# CHAPTER 32 LANDING GEAR (32-00-00)

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CHAPTER 52 – DOORS AND WINDOWS (52-00-00)

# **CHAPTER 52 DOORS AND WINDOWS (52-00-00)**

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CHAPTER 53 – FUSELAGE (53-00-00)

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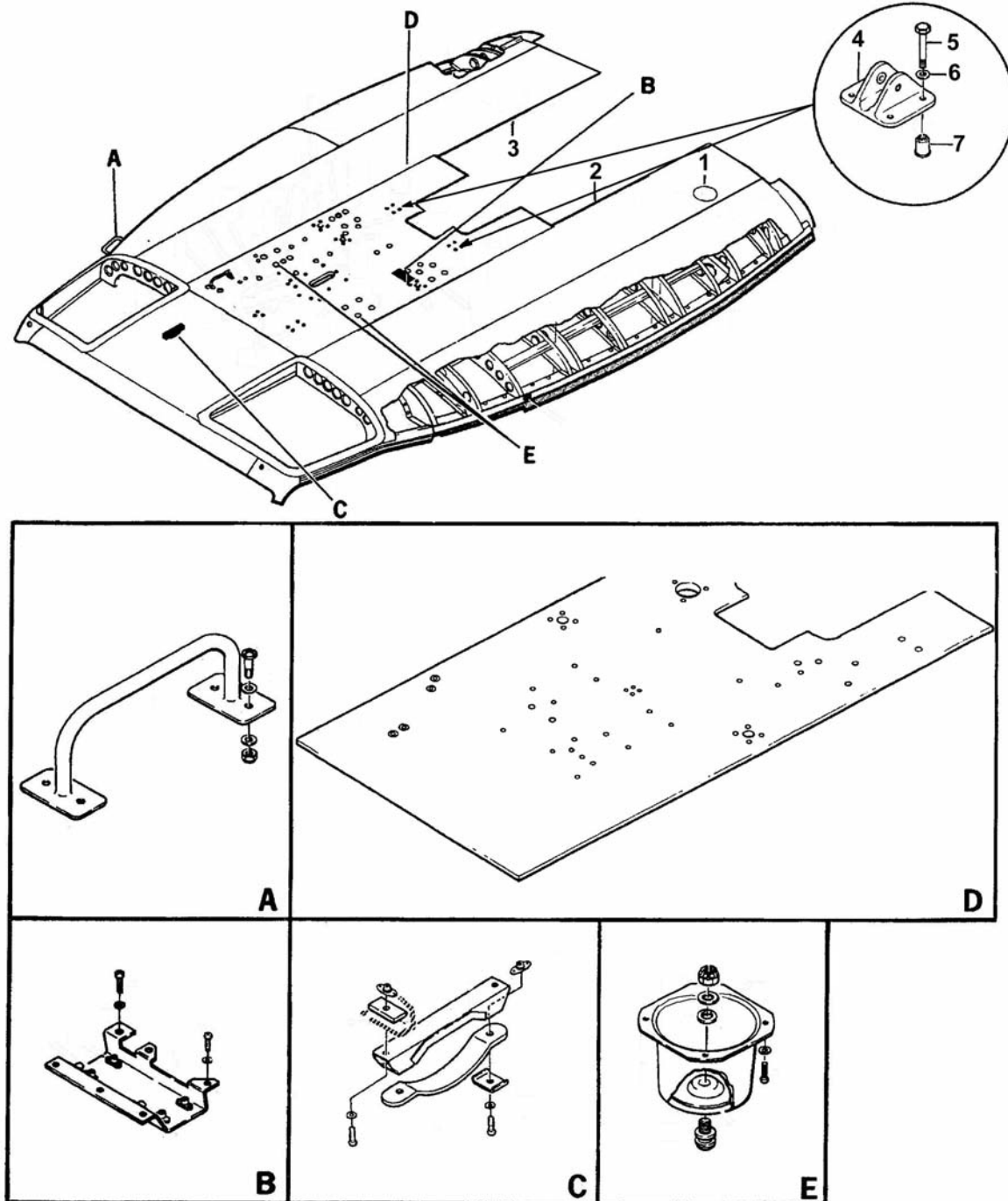


Figure 53-1 Roof Assembly



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| Item Number | Part Number     | Item Name                                       | Unit per Assy. | UOC |
|-------------|-----------------|-------------------------------------------------|----------------|-----|
| Figure 53-1 |                 |                                                 |                |     |
| 1           | 212-030-304-001 | Cover Plate Assembly                            | 1              |     |
| 2           | 205-030-127-001 | Panel Assembly, Cabin Roof, LH                  | 1              |     |
| 2           | 2H5-030-127-001 | Panel Assembly, Cabin Roof, LH (Alternate Part) | 1              |     |
| 3           | 205-030-127-003 | Panel Assembly, Cabin Roof, RH                  | 1              |     |
| 3           | 2H5-030-127-003 | Panel Assembly, Cabin Roof, RH (Alternate Part) | 1              |     |
| 4           | 205-060-827-001 | Bracket, Engine Mount Deck Fitting              | 2              |     |
| 5           | AN3-3A          | Bolt                                            | 4              |     |
| 6           | NAS1149D0332J   | Washer                                          | 4              |     |
| 7           | 80-005-2-10     | Insert                                          | 4              |     |
|             |                 |                                                 |                |     |
|             |                 |                                                 |                |     |
|             |                 |                                                 |                |     |
|             |                 |                                                 |                |     |
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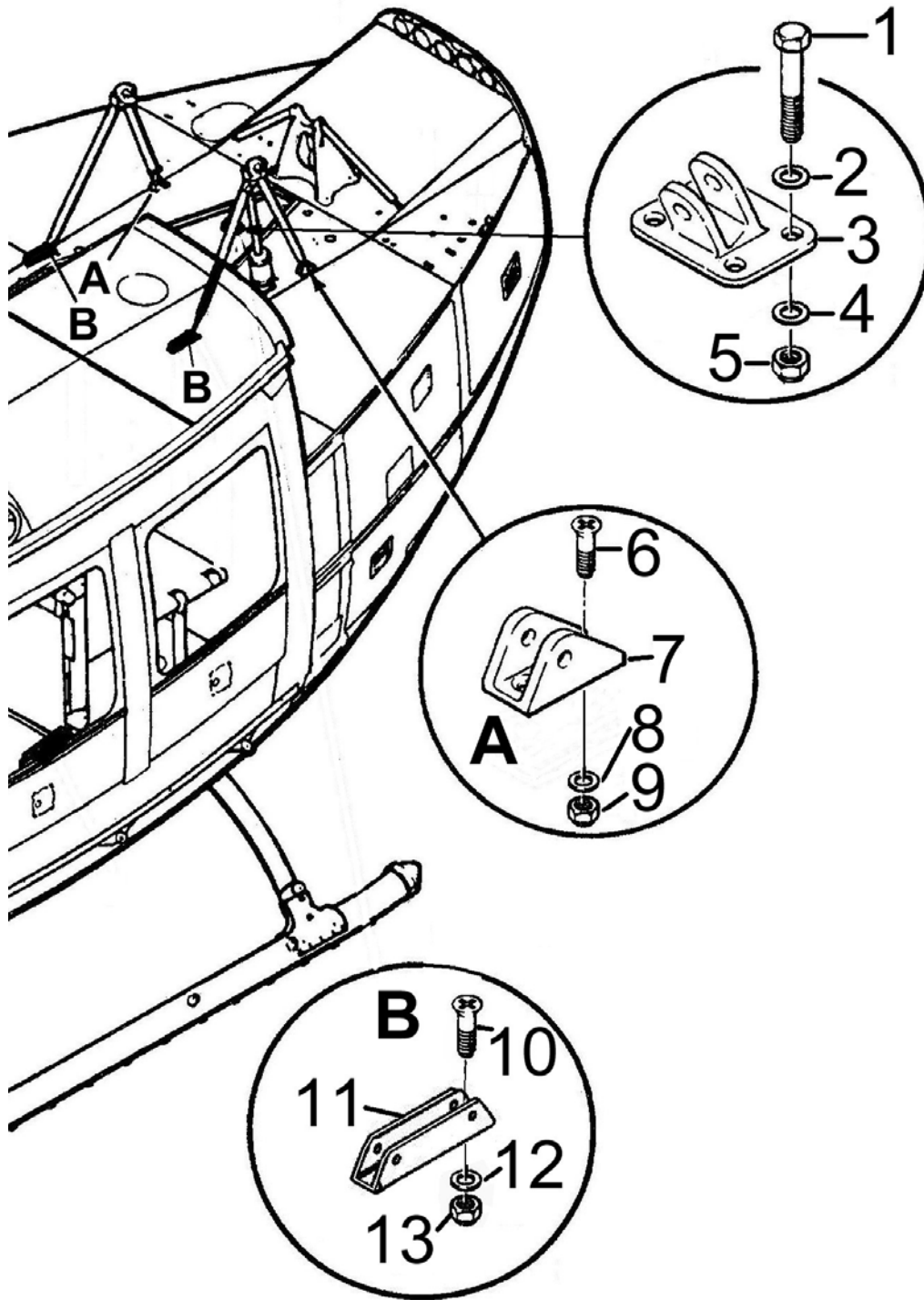


Figure 53-2 Engine Mount Installation



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| Item Number | Part Number     | Item Name   | Unit per Assy. | UOC |
|-------------|-----------------|-------------|----------------|-----|
| Figure 53-2 |                 |             |                |     |
| 1           | AN4-23A         | Bolt        | 4              |     |
| 2           | NAS1149F0463P   | Washer      | 4              |     |
| 3           | 205-060-139-001 | Fitting     | 1              |     |
| 4           | NAS1149D0463J   | Washer      | 4              |     |
| 5           | MS21042L4       | Nut         | 4              |     |
| 6           | MS24694-S101    | Screw       | 4              |     |
| 7           | D212-725-1-109  | Fitting, LH | 1              |     |
| 7           | D212-725-1-110  | Fitting, RH | 1              |     |
| 8           | NAS1149D0463J   | Washer      | 4              |     |
| 9           | MS21042L4       | Nut         | 4              |     |
| 10          | MS24694-S101    | Screw       | 4              |     |
| 11          | D212-725-1-111  | Fitting     | 2              |     |
| 12          | NAS1149D0463J   | Washer      | 4              |     |
| 13          | MS21042L4       | Nut         | 4              |     |
|             |                 |             |                |     |
|             |                 |             |                |     |
|             |                 |             |                |     |
|             |                 |             |                |     |
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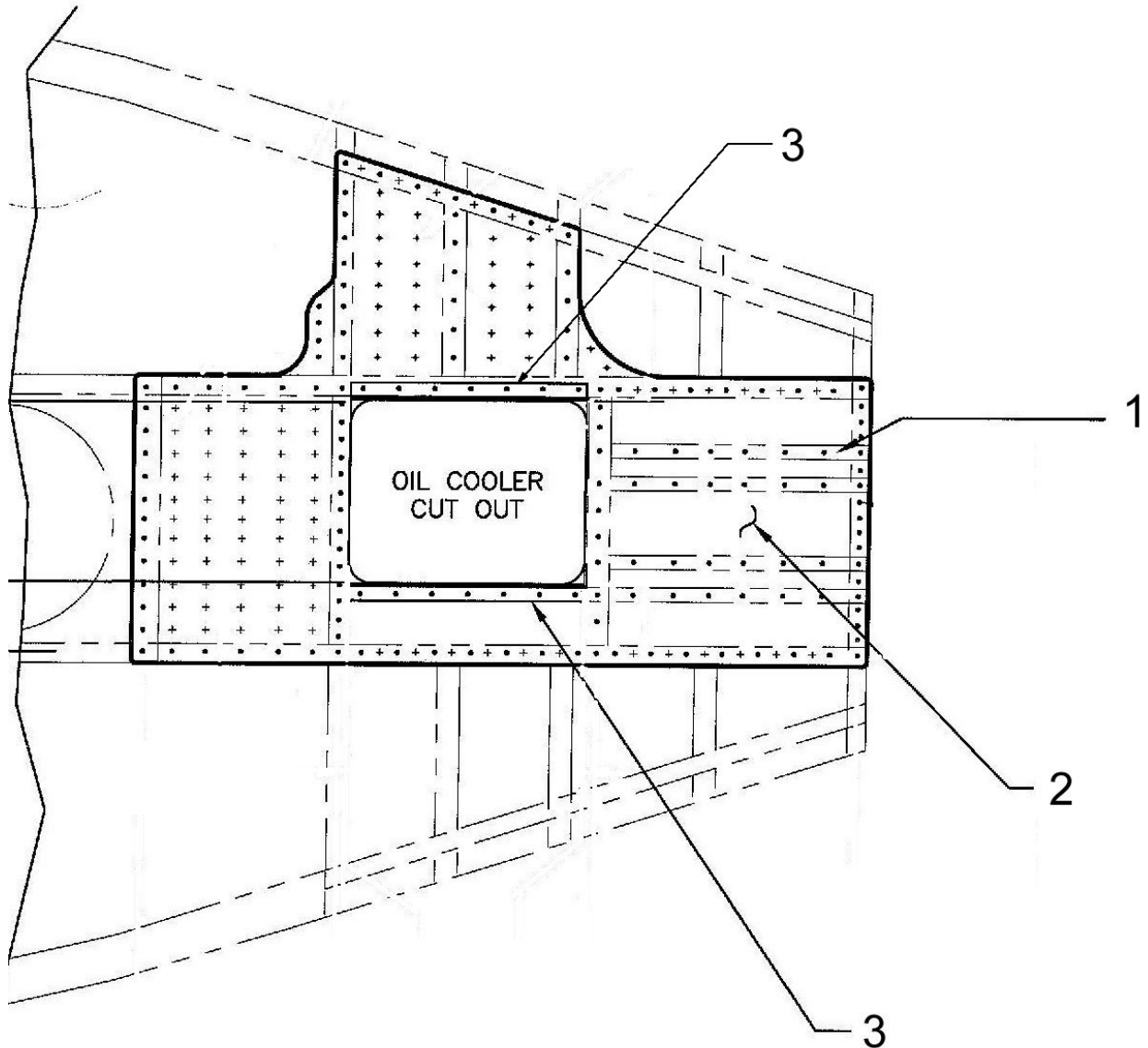


Figure 53-3 Belly Skin Installation (s/n 30687, 30931, 30576 and 30817)



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| Item Number | Part Number     | Item Name     | Unit per Assy. | UOC |
|-------------|-----------------|---------------|----------------|-----|
| Figure 53-3 |                 |               |                |     |
| 1           | 205-032-158-001 | Stiffener, LH | 1              |     |
| 1           | 205-032-158-002 | Stiffener, RH | 1              |     |
| 2           | D212-725-1-135  | Doubler       | 1              |     |
| 3           | D212-725-1-015  | Angle         | 2              |     |
|             |                 |               |                |     |
|             |                 |               |                |     |
|             |                 |               |                |     |

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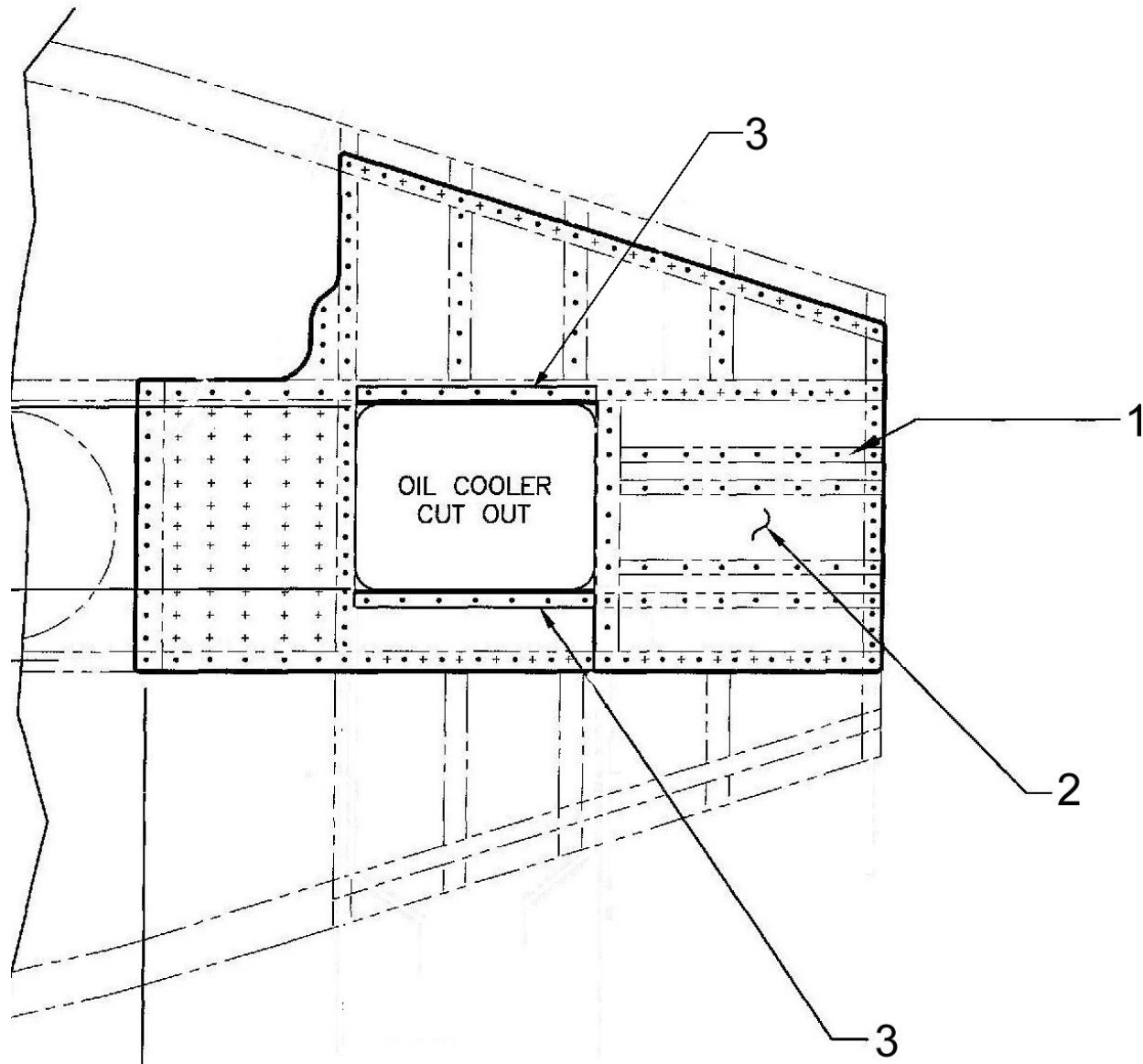


Figure 53-4 Belly Skin Installation (s/n 30599)



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| Item Number | Part Number     | Item Name     | Unit per Assy. | UOC |
|-------------|-----------------|---------------|----------------|-----|
| Figure 53-4 |                 |               |                |     |
| 1           | 205-032-158-001 | Stiffener, LH | 1              |     |
| 1           | 205-032-158-002 | Stiffener, RH | 1              |     |
| 2           | D212-725-1-193  | Doubler       | 1              |     |
| 3           | D212-725-1-015  | Angle         | 2              |     |
|             |                 |               |                |     |
|             |                 |               |                |     |
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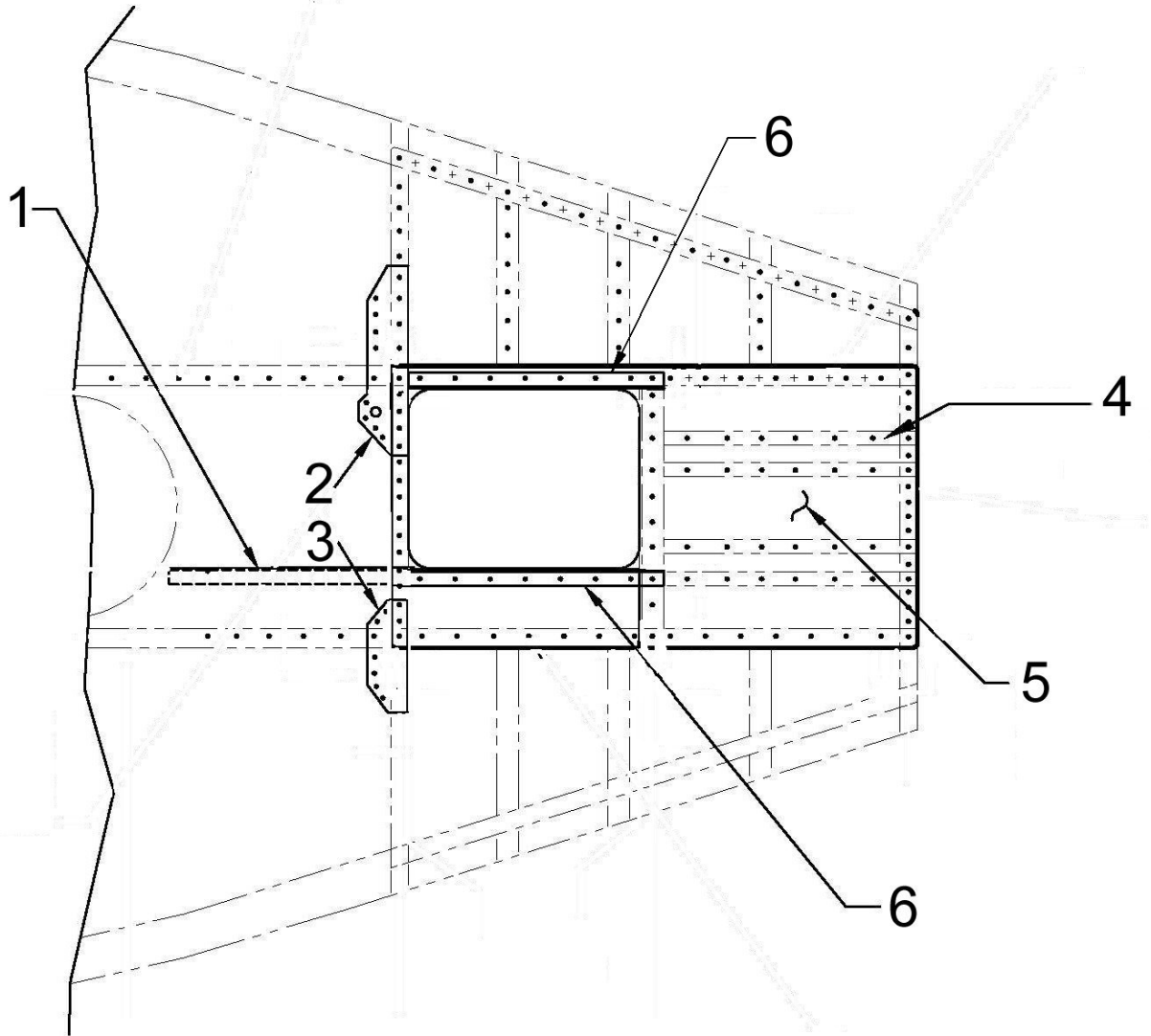


Figure 53-5 Belly Skin Installation (All aircraft except s/n 30687, 30931, 30576, 30817 and 30599)



CHAPTER 53 – FUSELAGE (53-00-00)

| Item Number | Part Number     | Item Name       | Unit per Assy. | UOC |
|-------------|-----------------|-----------------|----------------|-----|
| Figure 53-5 |                 |                 |                |     |
| 1           | D212-725-1-233  | Angle, Internal | 1              |     |
| 2           | 205-032-106-061 | Doubler         | 1              |     |
| 3           | 205-032-106-063 | Doubler         | 1              |     |
| 4           | 205-032-158-001 | Stiffener, LH   | 1              |     |
| 4           | 205-032-158-002 | Stiffener, RH   | 1              |     |
| 5           | D212-725-1-229  | Skin            | 1              |     |
| 6           | D212-725-1-231  | Angle           | 2              |     |
|             |                 |                 |                |     |
|             |                 |                 |                |     |
|             |                 |                 |                |     |
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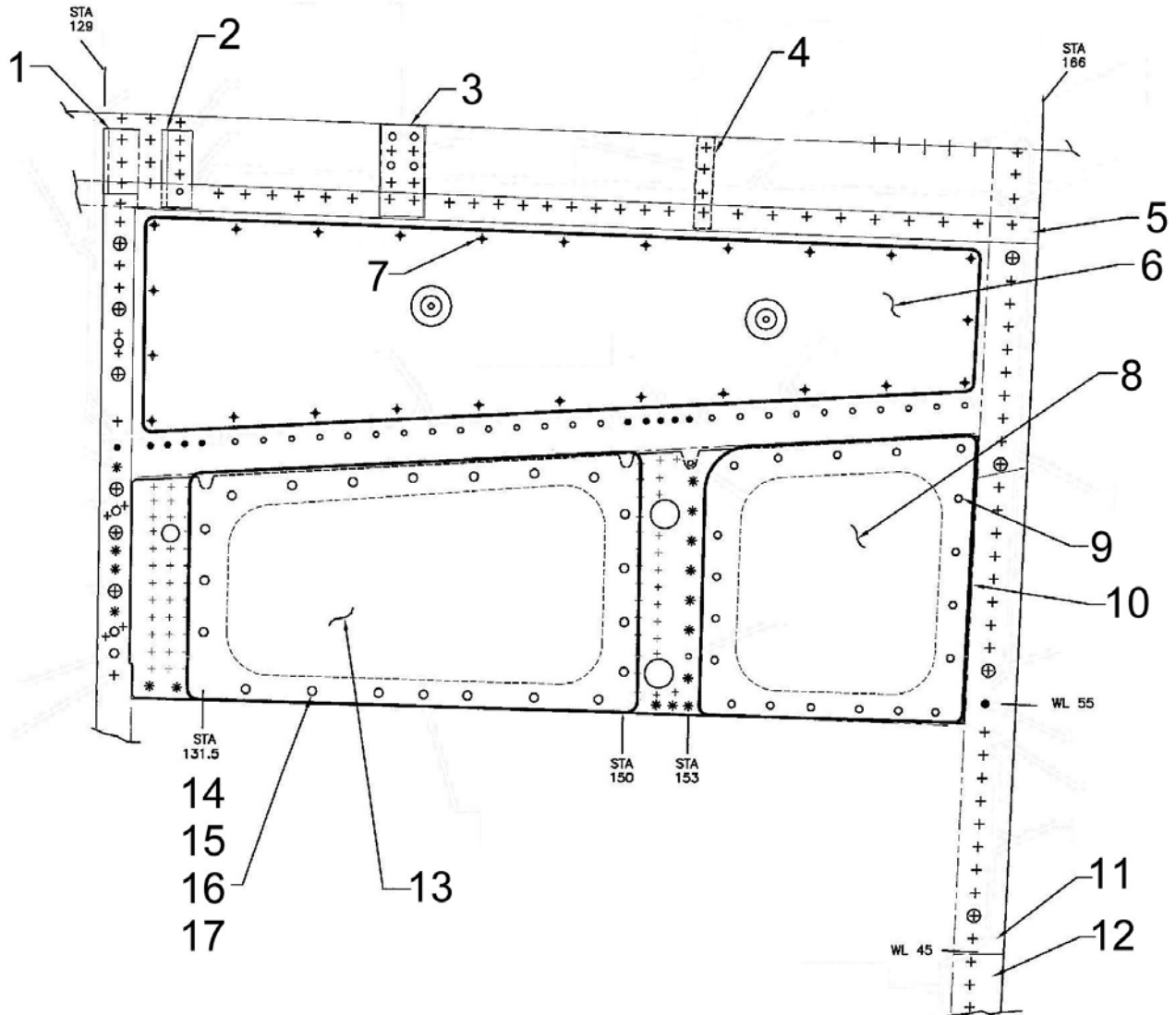


Figure 53-6 Pylon Web (Aircraft s/n 30687, 30931, 30576 and 30817)



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| Item Number | Part Number     | Item Name                   | Unit per Assy. | UOC |
|-------------|-----------------|-----------------------------|----------------|-----|
| Figure 53-6 |                 |                             |                |     |
| 1           | 212-030-042-001 | Angle, LH                   | 1              |     |
| 1           | 212-030-042-002 | Angle, RH                   | 1              |     |
| 2           | 205-030-628-003 | Roof Bracket, LH            | 1              |     |
| 2           | 205-030-628-004 | Roof Bracket, RH            | 1              |     |
| 3           | 205-030-163-163 | Doubler, LH                 | 1              |     |
| 3           | 205-030-164-167 | Doubler, RH                 | 1              |     |
| 4           | 205-060-208-001 | Support, LH                 | 1              |     |
| 4           | 205-060-208-002 | Support, RH                 | 1              |     |
| 5           | 205-030-164-263 | Stiffener, LH               | 1              |     |
| 5           | 205-030-163-295 | Stiffener, RH               | 1              |     |
| 6           | 205-031-221-001 | Cover, LH                   | 1              |     |
| 6           | 205-031-221-002 | Cover, RH                   | 1              |     |
| 7           | AN3-4A          | Bolt                        | 25             |     |
| 7           | MS21069L3       | Nutplate                    | 25             |     |
| 8           | D212-725-1-001  | Panel, LH                   | 1              |     |
| 8           | D212-725-1-002  | Panel, RH                   | 1              |     |
| 9           | 1915-5-4        | Bolt                        | 13             |     |
| 9           | 1943-5          | Retainer                    | 13             |     |
| 9           | 1950-5          | Receptacle                  | 13             |     |
| 10          | D212-725-1-133  | Doubler                     | 1              |     |
| 11          | 205-030-163-401 | Stiffener, LH               | 1              |     |
| 11          | 205-030-164-347 | Stiffener, RH               | 1              |     |
| 12          | 205-030-163-103 | Attachment, LH              | 1              |     |
| 12          | 205-030-164-103 | Attachment, RH              | 1              |     |
| 13          | D212-725-1-003  | Panel, LH                   | 1              |     |
| 13          | D212-725-1-004  | Panel, RH                   | 1              |     |
| 14          | SV4P6           | Stud Assembly               | 21             |     |
| 15          | V4-106          | Retainer                    | 21             |     |
| 15          | 50-027-1        | Retainer (Alternate Part)   | 21             |     |
| 16          | V4-109          | Receptacle                  | 21             |     |
| 16          | 50-017-1        | Receptacle (Alternate Part) | 21             |     |
| 17          | V4-116-62       | Shim                        | 21             |     |
| 17          | 50-030-1        | Shim (Alternate Part)       | 21             |     |
|             |                 |                             |                |     |
|             |                 |                             |                |     |
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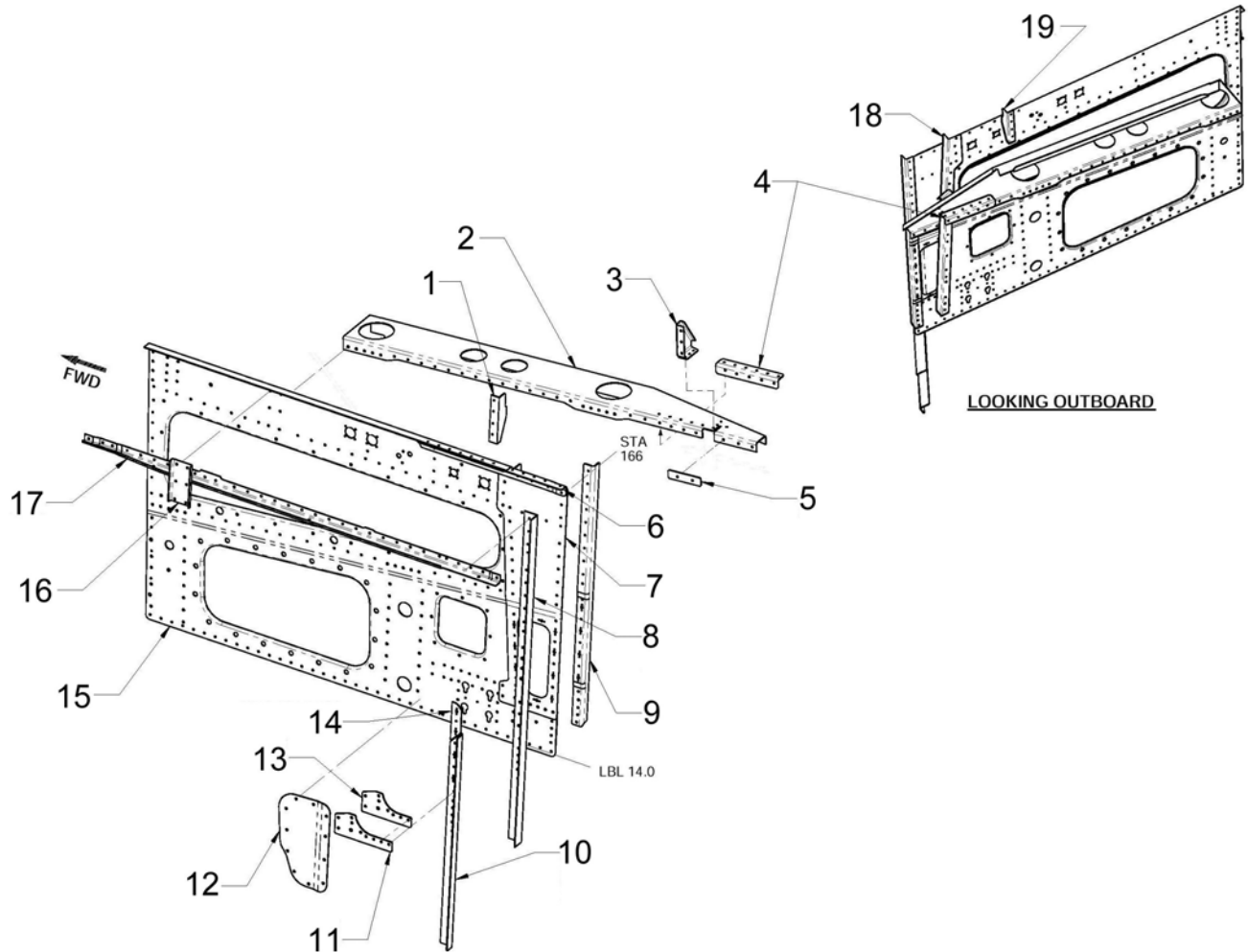


Figure 53-7 Pylon Web (All Aircraft except s/n 30687, 30931, 30576 and 30817)



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| Item Number | Part Number     | Item Name      | Unit per Assy. | UOC |
|-------------|-----------------|----------------|----------------|-----|
| Figure 53-7 |                 |                |                |     |
| 1           | 205-060-208-001 | Support, LH    | 1              |     |
| 1           | 205-060-208-002 | Support, RH    | 1              |     |
| 2           | 205-030-919-041 | Channel, LH    | 1              |     |
| 2           | 205-030-919-042 | Channel, RH    | 1              |     |
| 3           | 205-030-919-117 | Bracket, LH    | 1              |     |
| 3           | 205-030-919-121 | Bracket, LH    | 1              |     |
| 3           | 205-030-919-118 | Bracket, RH    | 1              |     |
| 3           | 205-030-919-122 | Bracket, RH    | 1              |     |
| 4           | D212-725-1-179  | Angle          | 1              |     |
| 5           | D212-725-1-191  | Shim           | 1              |     |
| 6           | D212-725-1-181  | Angle, LH      | 1              |     |
| 6           | D212-725-1-185  | Angle, RH      | 1              |     |
| 7           | D212-725-1-175  | Web, LH        | 1              |     |
| 7           | D212-725-1-176  | Web, RH        | 1              |     |
| 8           | 205-030-163-103 | Attachment, LH | 1              |     |
| 8           | 205-030-164-103 | Attachment, RH | 1              |     |
| 9           | D212-725-1-183  | Attachment, LH | 1              |     |
| 9           | D212-725-1-184  | Attachment, RH | 1              |     |
| 10          | 205-030-163-401 | Stiffener, LH  | 1              |     |
| 10          | 205-030-164-347 | Stiffener, RH  | 1              |     |
| 11          | 212-030-163-239 | Doubler, LH    | 1              |     |
| 11          | 212-030-163-217 | Doubler, RH    | 1              |     |
| 12          | D212-725-1-177  | Cover, LH      | 1              |     |
| 12          | D212-725-1-178  | Cover, RH      | 1              |     |
| 13          | D212-725-1-187  | Packer         | 1              |     |
| 14          | D212-725-1-189  | Filler         | 1              |     |
| 15          | 212-030-163-247 | Web, LH        | 1              |     |
| 15          | 212-030-163-261 | Web, LH        | 1              |     |
| 15          | 212-030-164-229 | Web, RH        | 1              |     |
| 15          | 212-030-164-235 | Web, RH        | 1              |     |
| 16          | 205-030-163-163 | Support, LH    | 1              |     |
| 16          | 205-030-164-167 | Support, RH    | 1              |     |
| 17          | 205-030-163-295 | Stiffener, LH  | 1              |     |
| 17          | 205-030-164-263 | Stiffener, RH  | 1              |     |
| 18          | 212-030-163-087 | Attachment, LH | 1              |     |
| 18          | 212-030-163-409 | Attachment, LH | 1              |     |
| 18          | 212-030-164-083 | Attachment, RH | 1              |     |
| 19          | 205-060-208-001 | Bracket, LH    | 1              |     |
| 19          | 205-060-208-002 | Bracket, RH    | 1              |     |

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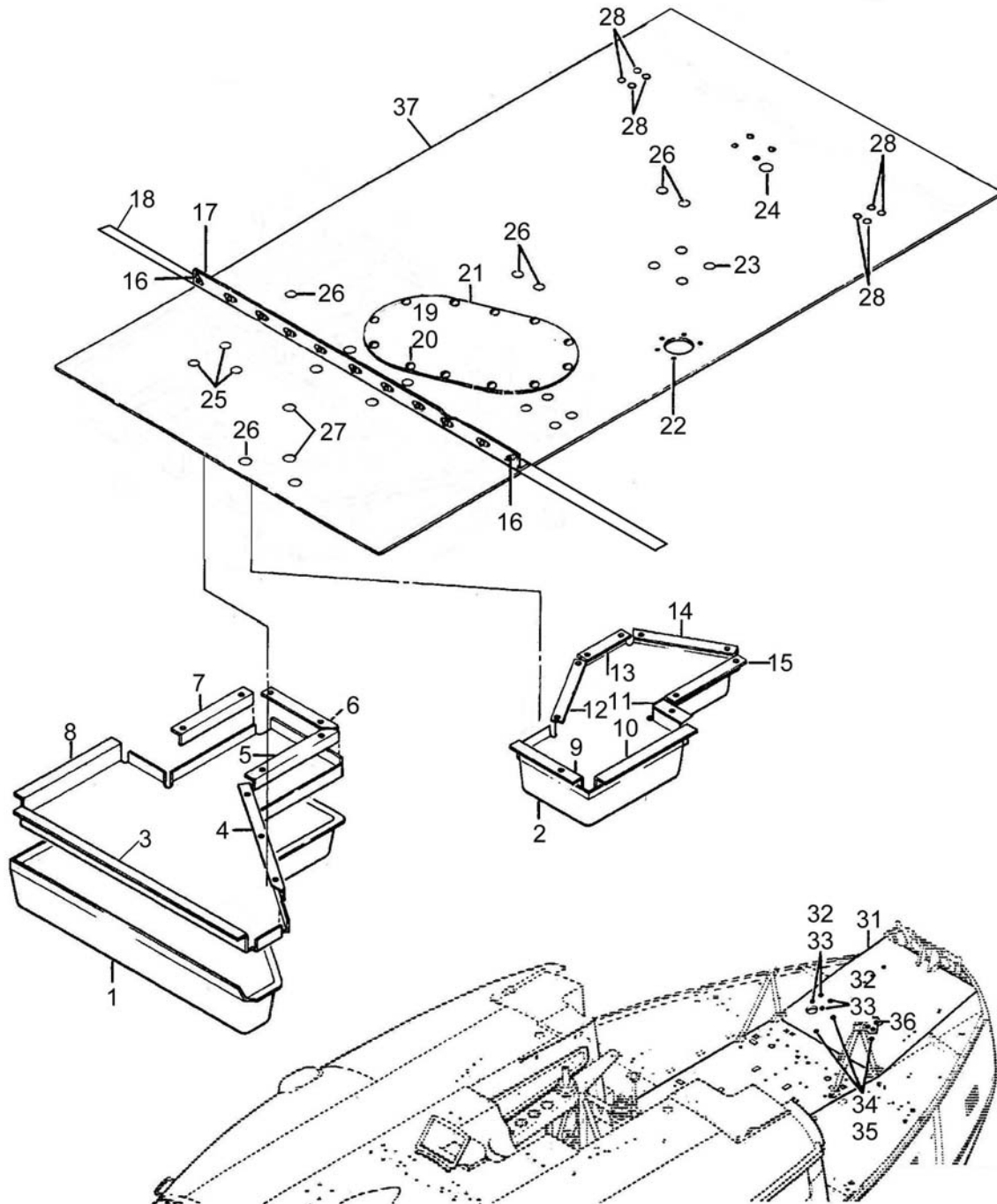


Figure 53-8 Engine Deck (Sheet 1 of 2)

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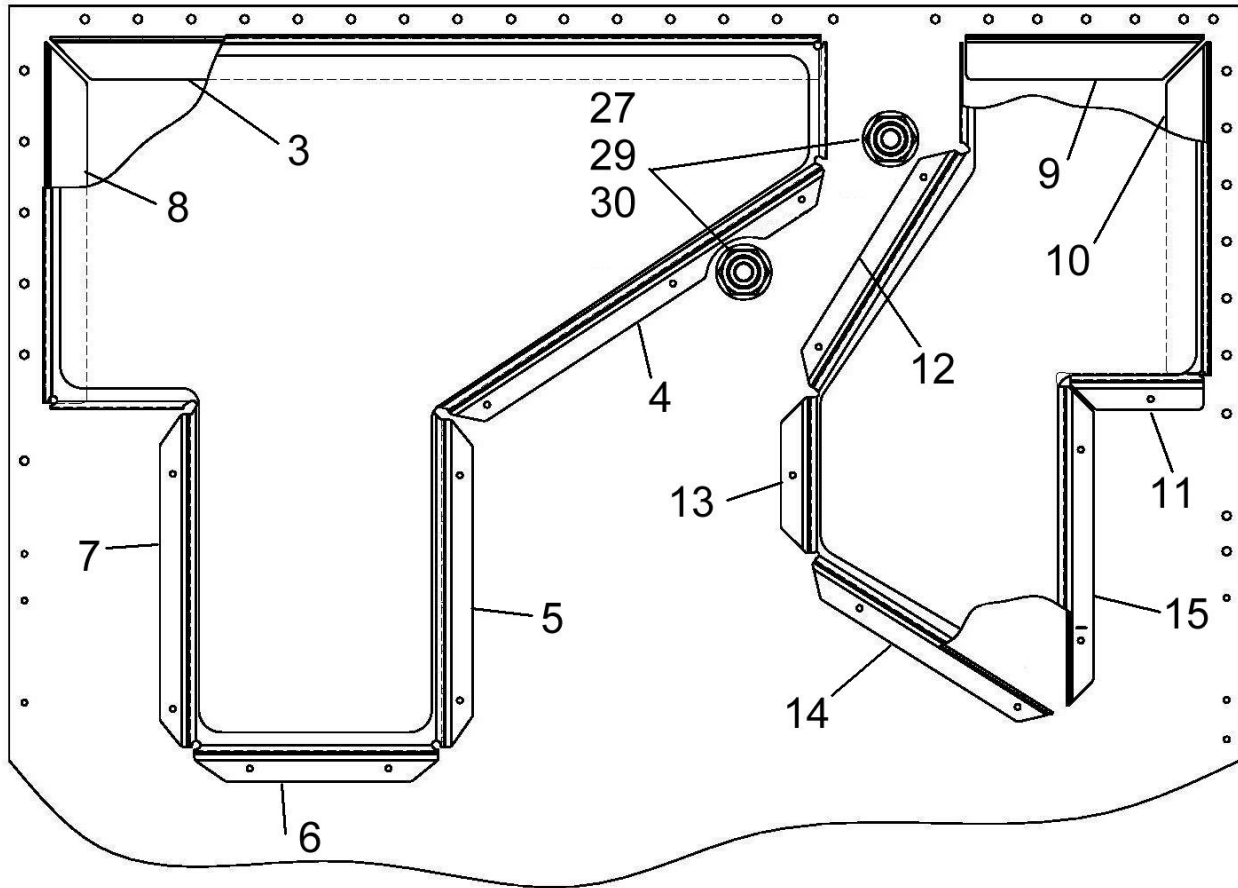


Figure 53-8 Engine Deck (Sheet 2 of 2)



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| Item Number | Part Number     | Item Name                        | Unit per Assy. | UOC |
|-------------|-----------------|----------------------------------|----------------|-----|
| Figure 53-8 |                 |                                  |                |     |
| 1           | 212-030-108-007 | Filler Assembly                  | 1              |     |
| 2           | 212-030-108-005 | Filler Assembly                  | 1              |     |
| 3           | D212-725-1-235A | Angle – made from D212-725-1-235 | 1              |     |
| 4           | D212-725-1-237A | Angle – made from D212-725-1-237 | 1              |     |
| 5           | D212-725-1-237B | Angle – made from D212-725-1-237 | 1              |     |
| 6           | D212-725-1-237C | Angle – made from D212-725-1-237 | 1              |     |
| 7           | D212-725-1-237D | Angle – made from D212-725-1-237 | 1              |     |
| 8           | D212-725-1-235B | Angle – made from D212-725-1-235 | 1              |     |
| 9           | D212-725-1-235C | Angle – made from D212-725-1-235 | 1              |     |
| 10          | D212-725-1-235D | Angle – made from D212-725-1-235 | 1              |     |
| 11          | D212-725-1-237E | Angle – made from D212-725-1-237 | 1              |     |
| 12          | D212-725-1-237F | Angle – made from D212-725-1-237 | 1              |     |
| 13          | D212-725-1-237G | Angle – made from D212-725-1-237 | 1              |     |
| 14          | D212-725-1-237H | Angle – made from D212-725-1-237 | 1              |     |
| 15          | D212-725-1-237J | Angle – made from D212-725-1-237 | 1              |     |
| 16          | MS21069K3       | Nutplate                         | 12             |     |
| 17          | D212-725-1-091  | Angle                            | 1              |     |
| 18          | D212-725-1-089  | Strap                            | 1              |     |
| 19          | AN525-10R6      | Screw                            | 12             |     |
| 20          | NAS1474A3       | Nutplate                         | 12             |     |
| 21          | 205-030-827-011 | Door                             | 1              |     |
| 22          | MS21069L3       | Nutplate                         | 5              |     |
| 23          | 80-005-2-8      | Insert                           | 12             |     |
| 24          | 80-004-2-12     | Insert                           | 1              |     |
| 25          | 80-004-2-8      | Insert                           | 3              |     |
| 26          | 80-004-2-8      | Insert                           | 6              |     |
| 27          | D212-725-1-105  | Bushing                          | 4              |     |
| 28          | 80-005-2-12     | Insert                           | 8              |     |
| 29          | D212-725-1-093  | Union                            | 2              |     |
| 30          | AN924-8J        | Nut                              | 4              |     |
| 32          | 80-011-P12F1-9  | Plug                             | 4              |     |
| 33          | 80-011-S12F12-9 | Sleeve                           | 4              |     |
| 34          | P102F25-1       | Plug                             | 3              |     |
| 34          | P102D25-1       | Plug                             | 3              |     |
| 35          | 80-011-S12F12-0 | Sleeve                           | 3              |     |
| 36          | 80-004-2-12     | Insert                           | 3              |     |
| 37          | 205-031-097-099 | Engine Deck                      | 1              |     |
| 37          | 2H5-031-097-099 | Engine Deck (Alternate Part)     | 1              |     |



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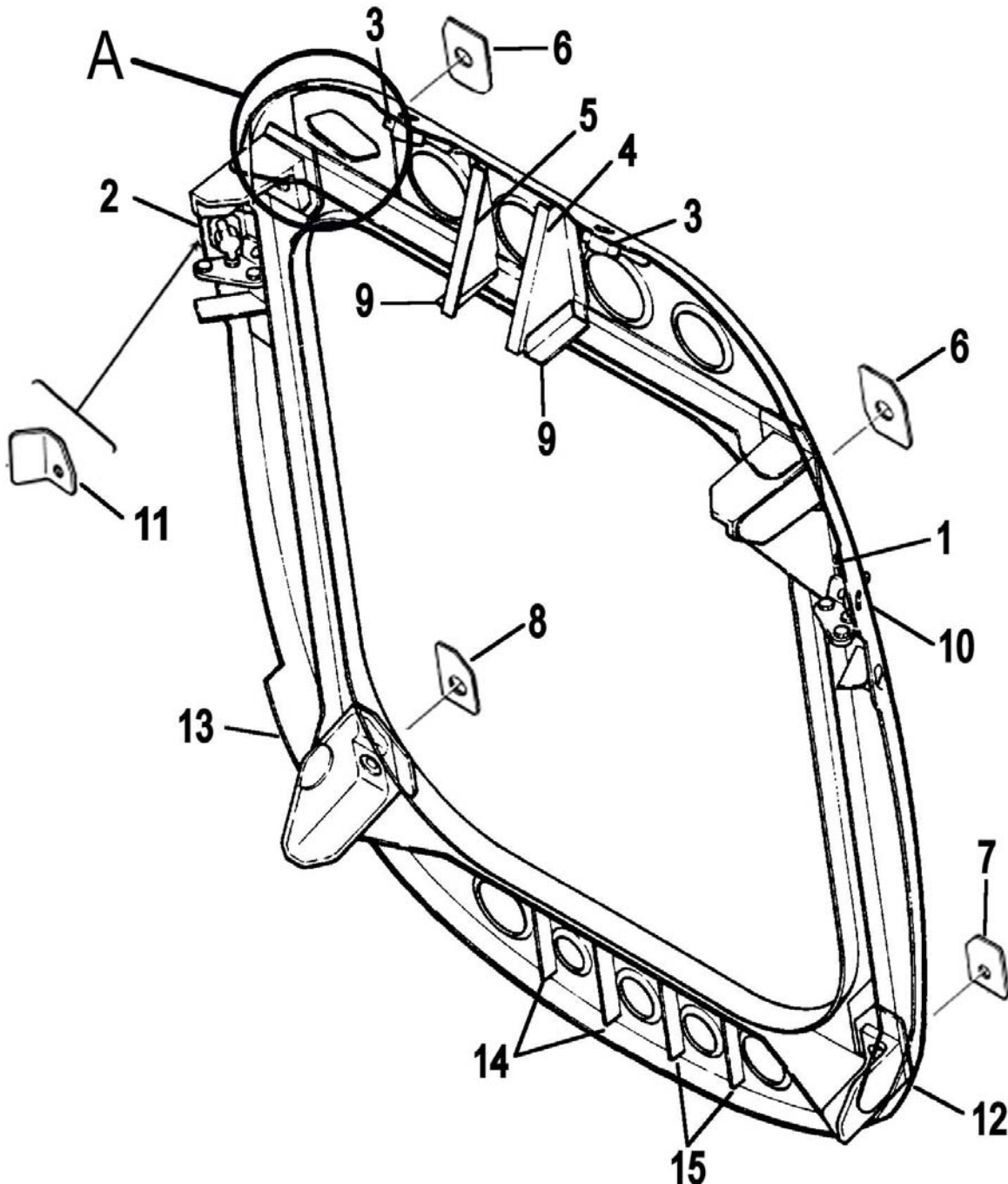


Figure 53-9 Bulkhead Installation (Sheet 1 of 2)

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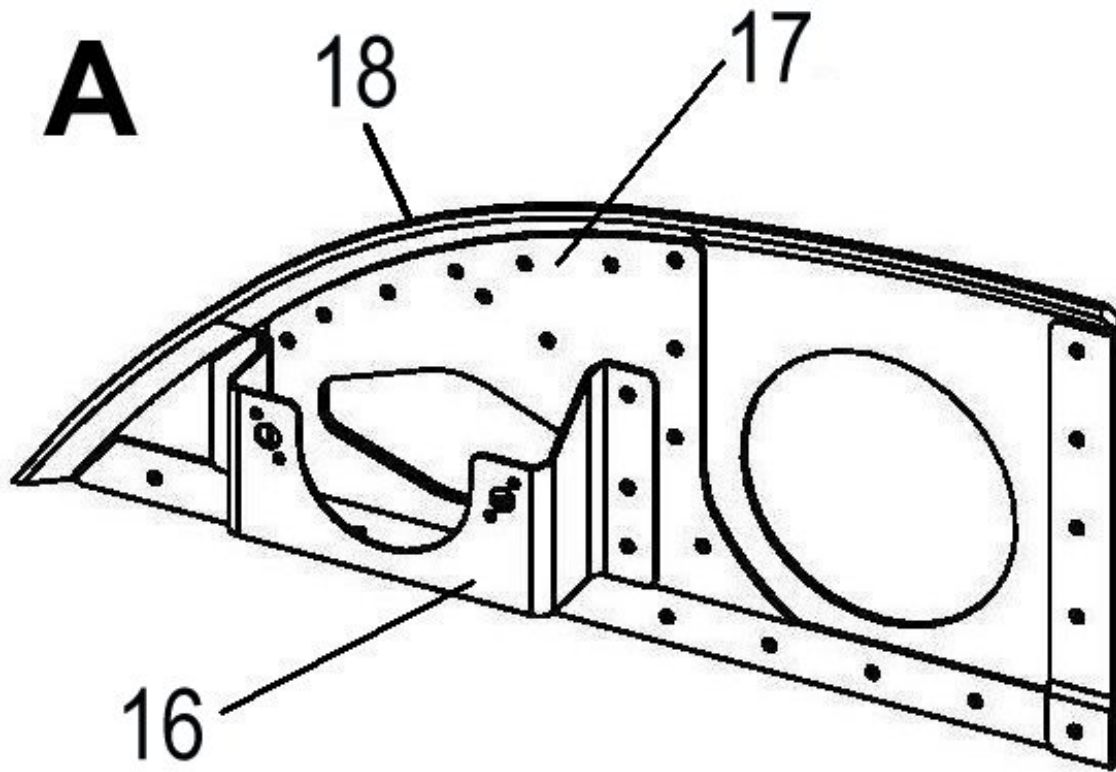


Figure 53-9 Bulkhead Installation (Sheet 2 of 2)



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| Item Number | Part Number     | Item Name        | Unit per Assy. | UOC |
|-------------|-----------------|------------------|----------------|-----|
| Figure 53-9 |                 |                  |                |     |
| 1           | D212-725-1-275  | Receptacle Clip  | 1              |     |
| 2           | D212-725-1-276  | Receptacle Clip  | 1              |     |
| 3           | D212-725-1-277  | Receptacle Clip  | 2              |     |
| 4           | D212-725-1-279  | Bracket, LH      | 1              |     |
| 5           | D212-725-1-280  | Bracket, RH      | 1              |     |
| 6           | 205-030-712-017 | Plate            | 2              |     |
| 7           | 205-030-712-041 | Plate            | 1              |     |
| 8           | 205-030-712-043 | Plate            | 1              |     |
| 9           | 212-030-156-017 | Clip             | 2              |     |
| 10          | 212-030-156-037 | Clip, RH         | 1              |     |
| 11          | 212-030-156-038 | Clip, LH         | 1              |     |
| 12          | 212-030-156-117 | Doubler          | 1              |     |
| 13          | 212-030-156-119 | Doubler          | 1              |     |
| 14          | 212-030-156-125 | Stiffener        | 2              |     |
| 15          | 212-030-156-129 | Stiffener        | 2              |     |
| 16          | D212-725-1-117  | Fairlead Bracket | 1              |     |
| 17          | D212-725-1-211  | Doubler          | 1              |     |
| 18          | 205-030-713-075 | Aft Bulkhead     | 1              |     |
|             |                 |                  |                |     |
|             |                 |                  |                |     |
|             |                 |                  |                |     |
|             |                 |                  |                |     |

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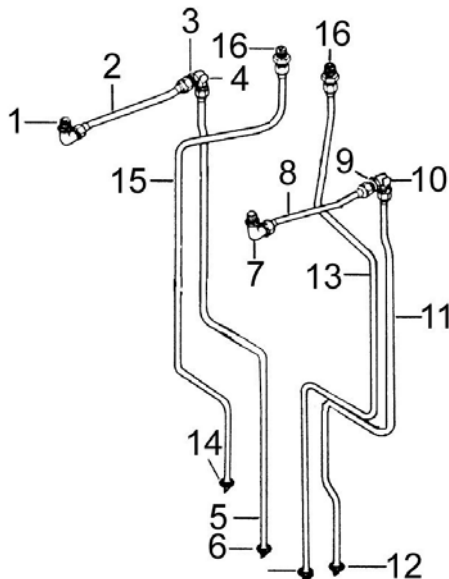
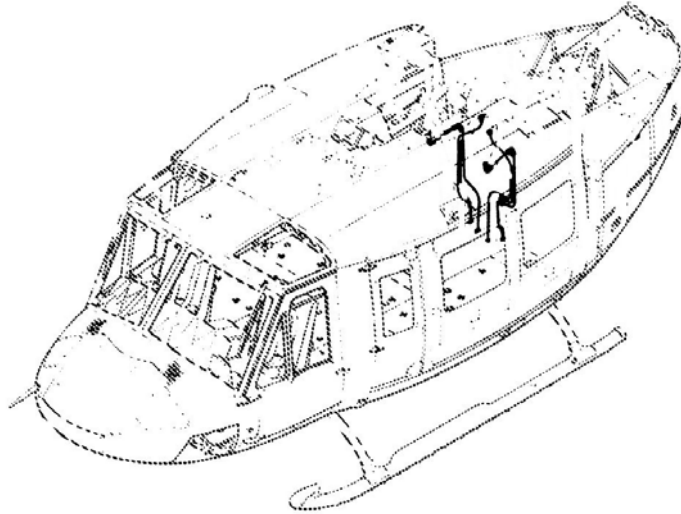


Figure 53-10 Drain Installation



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| Item Number  | Part Number     | Item Name              | Unit per Assy. | UOC |
|--------------|-----------------|------------------------|----------------|-----|
| Figure 53-10 |                 |                        |                |     |
| 1            | 212-030-323-003 | Fitting                | 1              |     |
| 2            | D212-725-1-903  | Tube Assembly          | 1              |     |
| 3            | AN924-10J       | Nut                    | 1              |     |
| 4            | AN833-10J       | Elbow                  | 1              |     |
| 5            | 212-030-322-001 | Tube Assembly          | 1              |     |
| 6            | MS35489-17      | Grommet                | 1              |     |
| 7            | 212-030-323-003 | Fitting                | 1              |     |
| 8            | D212-725-1-903  | Tube Assembly          | 1              |     |
| 9            | AN924-10J       | Nut                    | 1              |     |
| 10           | AN833-10J       | Elbow                  | 1              |     |
| 11           | 212-030-321-001 | Tube Assembly          | 1              |     |
| 12           | MS35489-17      | Grommet                | 1              |     |
| 13           | D212-725-1-937  | Tube Assembly          | 1              |     |
| 14           | MS35489-17      | Grommet                | 1              |     |
| 15           | 212-030-325-001 | Tube Assembly          | 1              |     |
| 16           | D212-725-1-255  | Union                  | 2              |     |
| 16           | 212-030-024-001 | Union (Alternate Part) | 2              |     |
|              |                 |                        |                |     |
|              |                 |                        |                |     |
|              |                 |                        |                |     |
|              |                 |                        |                |     |

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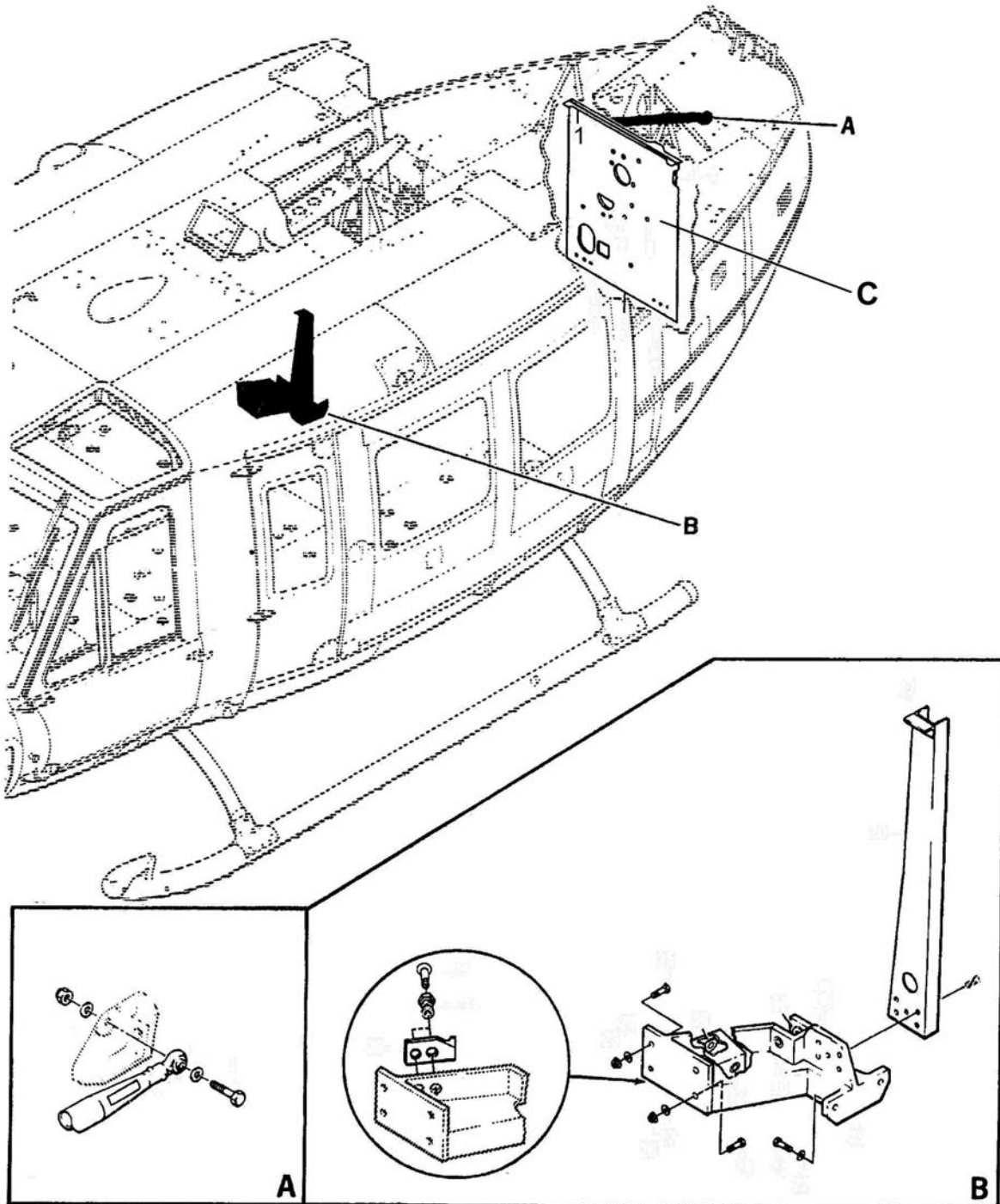
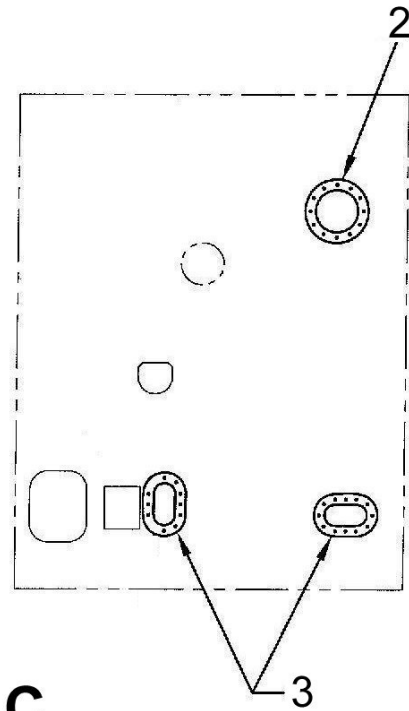


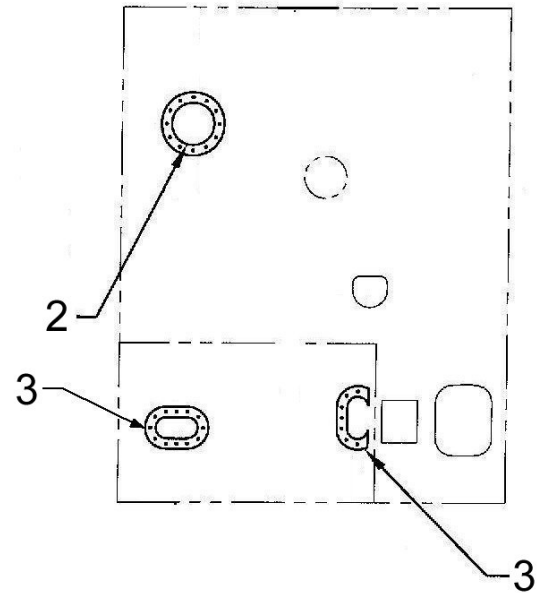
Figure 53-11 Bulkhead, Tension Rod, Support Installation and Bulkhead Detail (Sheet 1 of 2)

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**C**

LOOKING AFT AT STA 211



**C**

LOOKING FWD AT STA 211

Figure 53-11 Bulkhead, Tension Rod, Support Installation and Bulkhead Detail (Sheet 2 of 2)



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| Item Number  | Part Number    | Item Name | Unit per Assy. | UOC |
|--------------|----------------|-----------|----------------|-----|
| Figure 53-11 |                |           |                |     |
| 1            | D212-725-1-069 | Angle     | 1              |     |
| 2            | D212-725-1-103 | Doubler   | 2              |     |
| 3            | D212-725-1-005 | Doubler   | 4              |     |
|              |                |           |                |     |
|              |                |           |                |     |
|              |                |           |                |     |
|              |                |           |                |     |
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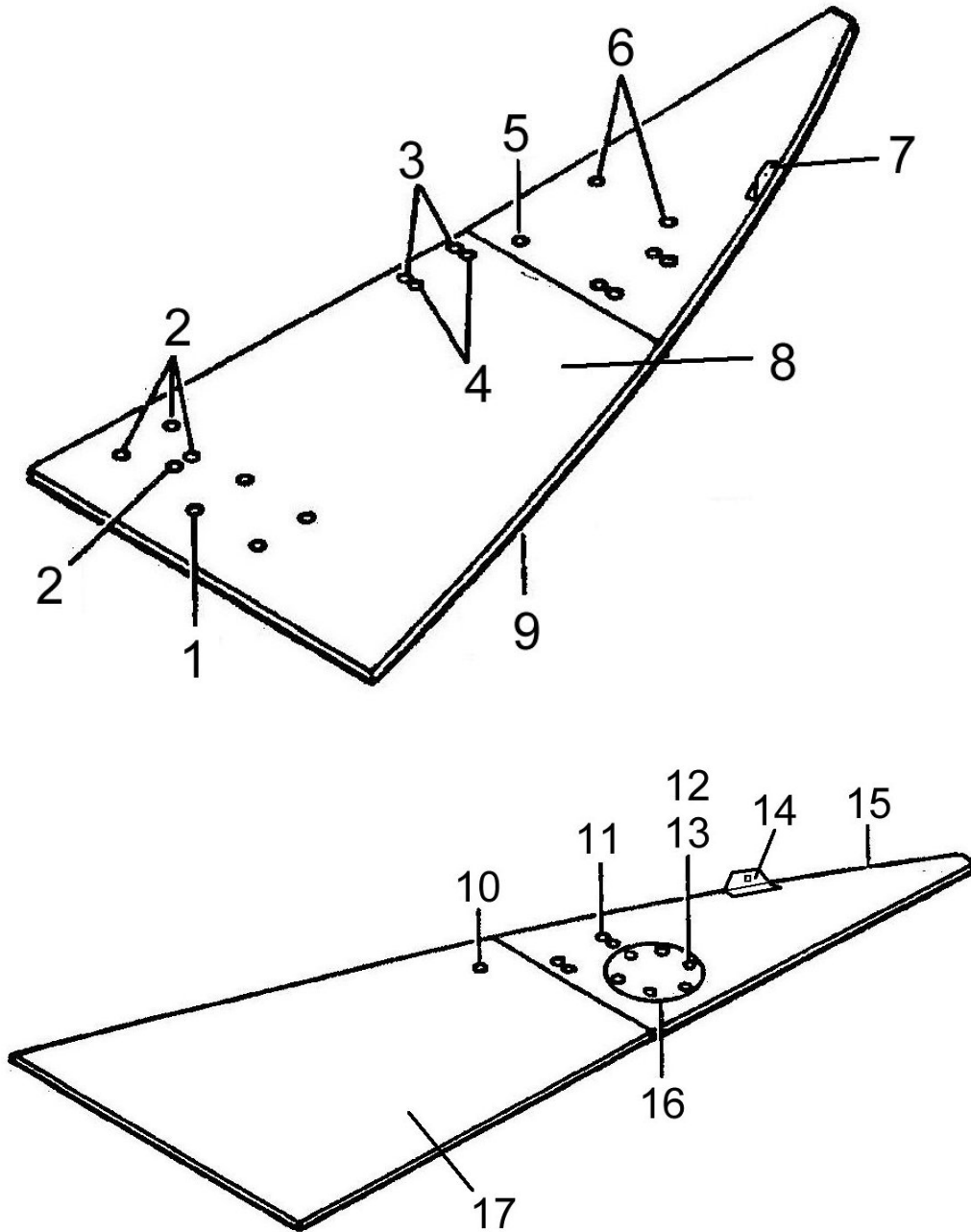


Figure 53-12 Engine Side Service Decks



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| Item Number  | Part Number     | Item Name                      | Unit per Assy. | UOC |
|--------------|-----------------|--------------------------------|----------------|-----|
| Figure 53-12 |                 |                                |                |     |
| 1            | 80-004-2-8      | Insert                         | 8              |     |
| 2            | 80-005-2-8      | Insert                         | 4              |     |
| 3            | MS21069L3       | Nutplate                       | 2              |     |
| 4            | MS21069L3       | Nutplate                       | 2              |     |
| 5            | 100-046S-32B1   | Plug Button                    | 1              |     |
| 6            | 80-004-3-8      | Insert                         | 2              |     |
| 7            | 205-060-835-001 | Bracket                        | 1              |     |
| 7            | D212-725-1-197  | Bracket (Alternate Part)       | 1              |     |
| 8            | 205-030-280-047 | Deck Assembly                  | 1              |     |
| 8            | 205-030-280-089 | Deck Assembly (Alternate Part) | 1              |     |
| 9            | 205-030-279-045 | Gutter (Made from 40-090-1)    | 1              |     |
| 9            | 40-090-1        | Gutter                         | 1              |     |
| 10           | 204-032-681-001 | Drain Plug                     | 1              |     |
| 11           | 80-005-2-8      | Insert                         | 4              |     |
| 12           | MS21042L3       | Nut                            | 6              |     |
| 13           | AN525-10R7      | Screw                          | 6              |     |
| 14           | 205-060-835-001 | Bracket                        | 1              |     |
| 14           | D212-725-1-197  | Bracket (Alternate Part)       | 1              |     |
| 15           | 205-030-279-045 | Gutter (Made form 40-090-1)    | 1              |     |
| 15           | 40-090-1        | Gutter                         | 1              |     |
| 16           | 205-030-279-035 | Cover                          | 1              |     |
| 17           | 205-030-279-079 | Deck Assembly                  | 1              |     |
|              |                 |                                |                |     |
|              |                 |                                |                |     |
|              |                 |                                |                |     |
|              |                 |                                |                |     |
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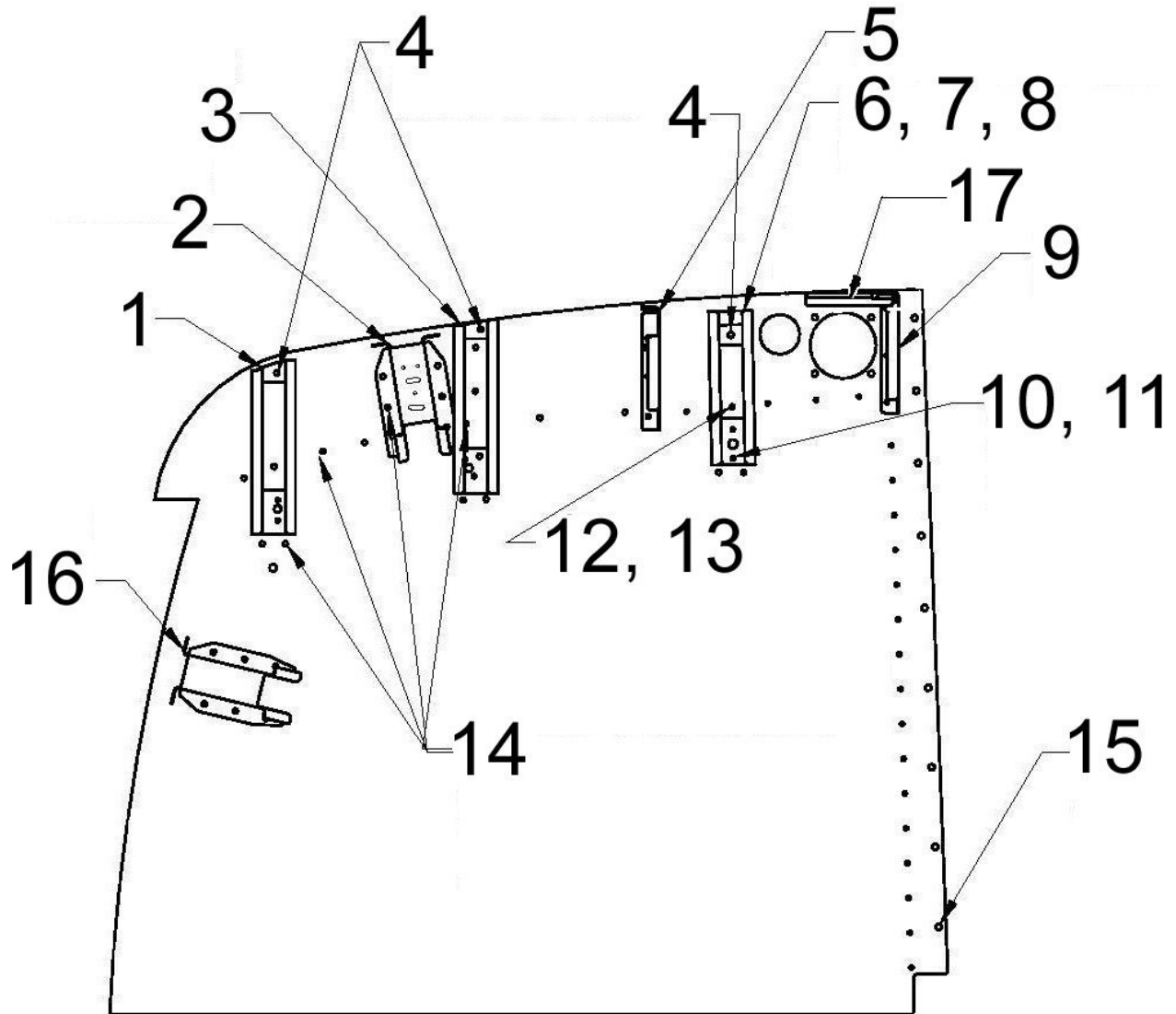


Figure 53-13 Bulkhead Installation



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| Item Number  | Part Number     | Item Name                | Unit per Assy. | UOC |
|--------------|-----------------|--------------------------|----------------|-----|
| Figure 53-13 |                 |                          |                |     |
| 1            | 205-030-407-151 | Support, LH              | 1              |     |
| 1            | 205-030-407-152 | Support, RH              | 1              |     |
| 2            | D212-725-1-075  | Bracket                  | 1              |     |
| 3            | 205-030-407-153 | Support, LH              | 1              |     |
| 3            | 205-030-407-154 | Support, RH              | 1              |     |
| 4            | AN3-4A          | Bolt                     | 1              |     |
| 4            | NAS1149D0332J   | Washer                   | 2              |     |
| 4            | MS21042L3       | Nut                      | 1              |     |
| 5            | D212-725-1-079  | Gusset, LH               | 1              |     |
| 5            | D212-725-1-080  | Gusset, RH               | 1              |     |
| 6            | D212-725-1-081  | Support                  | 1              |     |
| 7            | D212-725-1-095  | Radius Block             | 1              |     |
| 8            | D212-725-1-097  | Packer                   | 1              |     |
| 9            | D212-725-1-077  | Gusset, LH               | 1              |     |
| 9            | D212-725-1-078  | Gusset, RH               | 1              |     |
| 10           | D212-725-1-099  | Radius Block             | 1              |     |
| 11           | NAS1473-A5      | Nutplate                 | 1              |     |
| 12           | D212-725-1-101  | Spacer                   | 1              |     |
| 13           | NAS43DD5-24     | Spacer (Alternate Part)  | 1              |     |
| 14           | D212-725-1-101  | Spacer                   | 1              |     |
| 15           | MS21069L3       | Nutplate                 | 9              |     |
| 16           | 205-030-411-011 | Bracket                  | 1              |     |
| 16           | 205-030-411-103 | Bracket (Alternate Part) | 1              |     |
| 17           | D212-725-1-113  | Gusset, LH               | 1              |     |
| 17           | D212-725-1-114  | Gusset, RH               | 1              |     |
|              |                 |                          |                |     |
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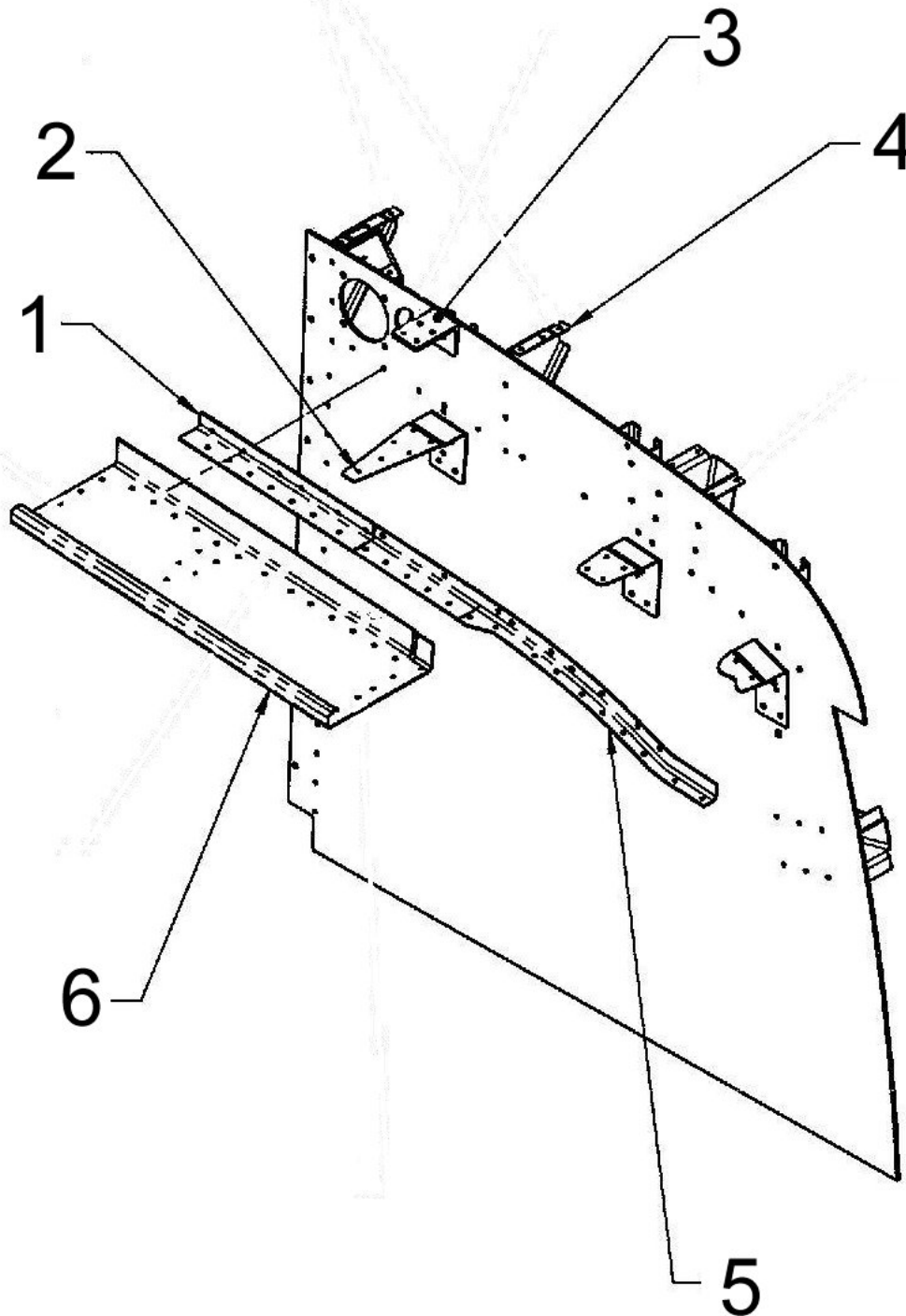


Figure 53-14 Bulkhead Installation



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| Item Number  | Part Number     | Item Name        | Unit per Assy. | UOC |
|--------------|-----------------|------------------|----------------|-----|
| Figure 53-14 |                 |                  |                |     |
| 1            | D212-725-1-107  | Angle            | 1              |     |
| 2            | D212-725-1-085  | Bracket          | 1              |     |
| 3            | D212-725-1-115  | Angle            | 1              |     |
| 4            | D212-725-1-079  | Bracket, LH      | 1              |     |
| 4            | D212-725-1-080  | Bracket, RH      | 1              |     |
| 5            | 205-030-407-421 | Angle, LH        | 1              |     |
| 5            | 205-030-407-422 | Angle, RH        | 1              |     |
| 6            | D212-725-1-083  | Shelf Splice, LH | 1              |     |
| 6            | D212-725-1-084  | Shelf Splice, RH | 1              |     |
|              |                 |                  |                |     |
|              |                 |                  |                |     |
|              |                 |                  |                |     |
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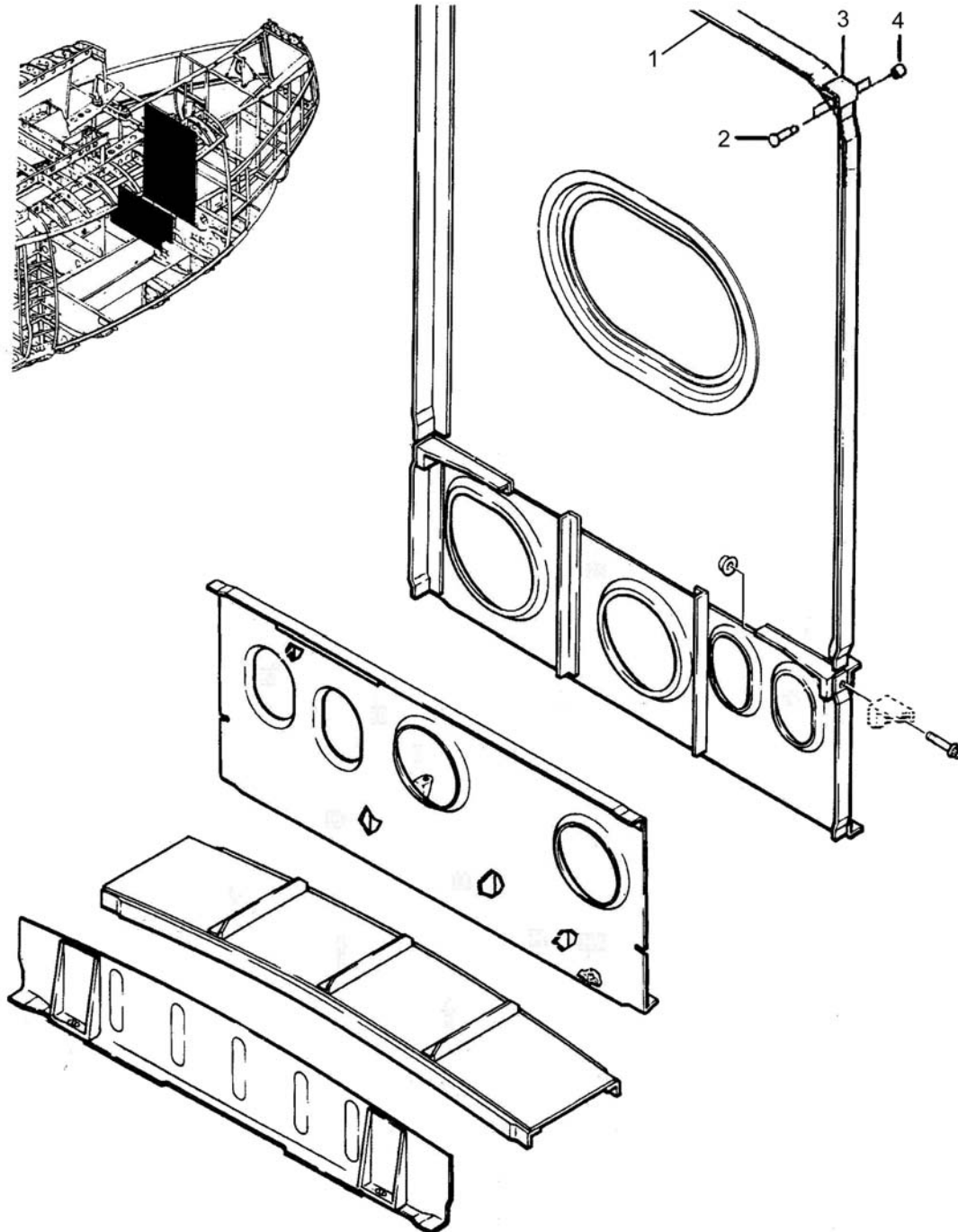


Figure 53-15 Bulkhead and Cover Installation



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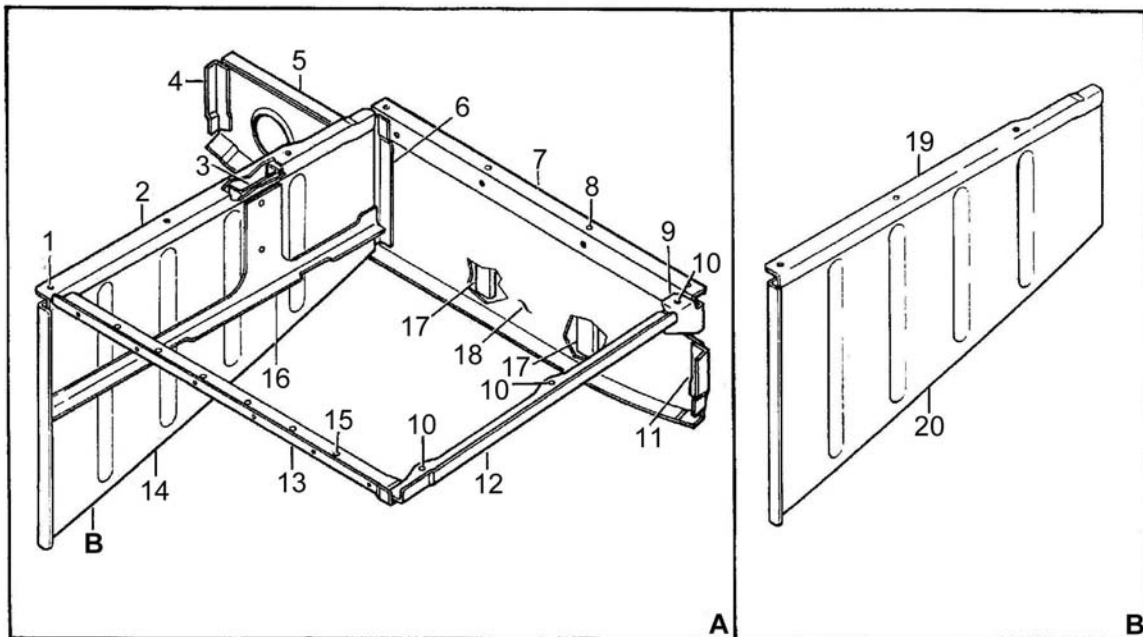
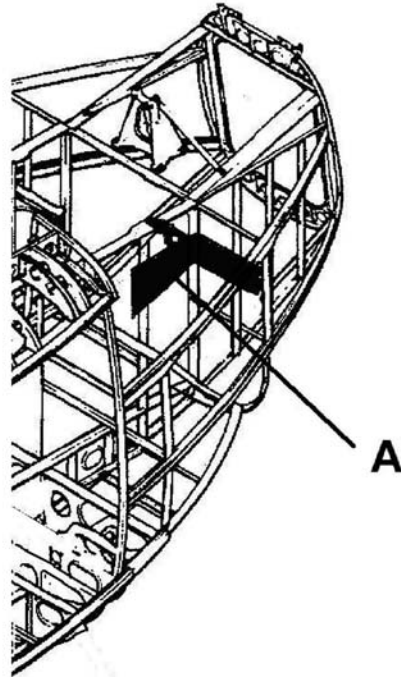


Figure 53-16 Oil Cooler Support



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| Item Number  | Part Number     | Item Name                  | Unit per Assy. | UOC |
|--------------|-----------------|----------------------------|----------------|-----|
| Figure 53-16 |                 |                            |                |     |
| 1            | MS21075L3       | Nutplate                   | 3              |     |
| 2            | 205-032-107-037 | Support                    | 1              |     |
| 2            | D212-725-1-149  | Support (Alternate Part)   | 1              |     |
| 3            | 205-032-107-047 | Doubler                    | 1              |     |
| 3            | D212-725-1-171  | Doubler (Alternate Part)   | 1              |     |
| 3            | D212-725-1-173  | Bracket                    | 1              |     |
| 4            | 205-032-107-024 | Clip, RH                   | 1              |     |
| 4            | D212-725-1-163  | Clip, RH (Alternate Part)  | 1              |     |
| 5            | 205-032-107-021 | Support                    | 1              |     |
| 5            | D212-725-1-155  | Support (Alternate Part)   | 1              |     |
| 6            | 205-032-107-029 | Clip                       | 1              |     |
| 6            | D212-725-1-159  | Clip (Alternate Part)      | 1              |     |
| 7            | 205-032-107-019 | Support                    | 1              |     |
| 7            | D212-725-1-153  | Support (Alternate Part)   | 1              |     |
| 8            | MS21075L3       | Nutplate                   | 4              |     |
| 9            | 205-032-107-025 | Clip                       | 1              |     |
| 9            | D212-725-1-169  | Clip (Alternate Part)      | 1              |     |
| 10           | MS21075L3       | Nutplate                   | 3              |     |
| 11           | 205-032-107-023 | Clip, LH                   | 1              |     |
| 11           | D212-725-1-167  | Clip, LH (Alternate Part)  | 1              |     |
| 12           | 205-032-107-033 | Support                    | 1              |     |
| 12           | D212-725-1-151  | Support (Alternate Part)   | 1              |     |
| 13           | 205-032-107-027 | Support                    | 1              |     |
| 13           | D212-725-1-165  | Support (Alternate Part)   | 1              |     |
| 14           | 205-032-107-043 | Web                        | 1              |     |
| 15           | MS21075L3       | Nutplate                   | 6              |     |
| 16           | 205-032-107-045 | Support                    | 1              |     |
| 16           | D212-725-1-157  | Support (Alternate Part)   | 1              |     |
| 17           | 205-032-107-017 | Stiffener                  | 2              |     |
| 17           | D212-725-1-161  | Stiffener (Alternate Part) | 2              |     |
| 18           | 205-032-107-015 | Web                        | 1              |     |
| 19           | 205-032-107-035 | Support                    | 1              |     |
| 20           | 205-032-107-031 | Web                        | 1              |     |
|              |                 |                            |                |     |
|              |                 |                            |                |     |
|              |                 |                            |                |     |

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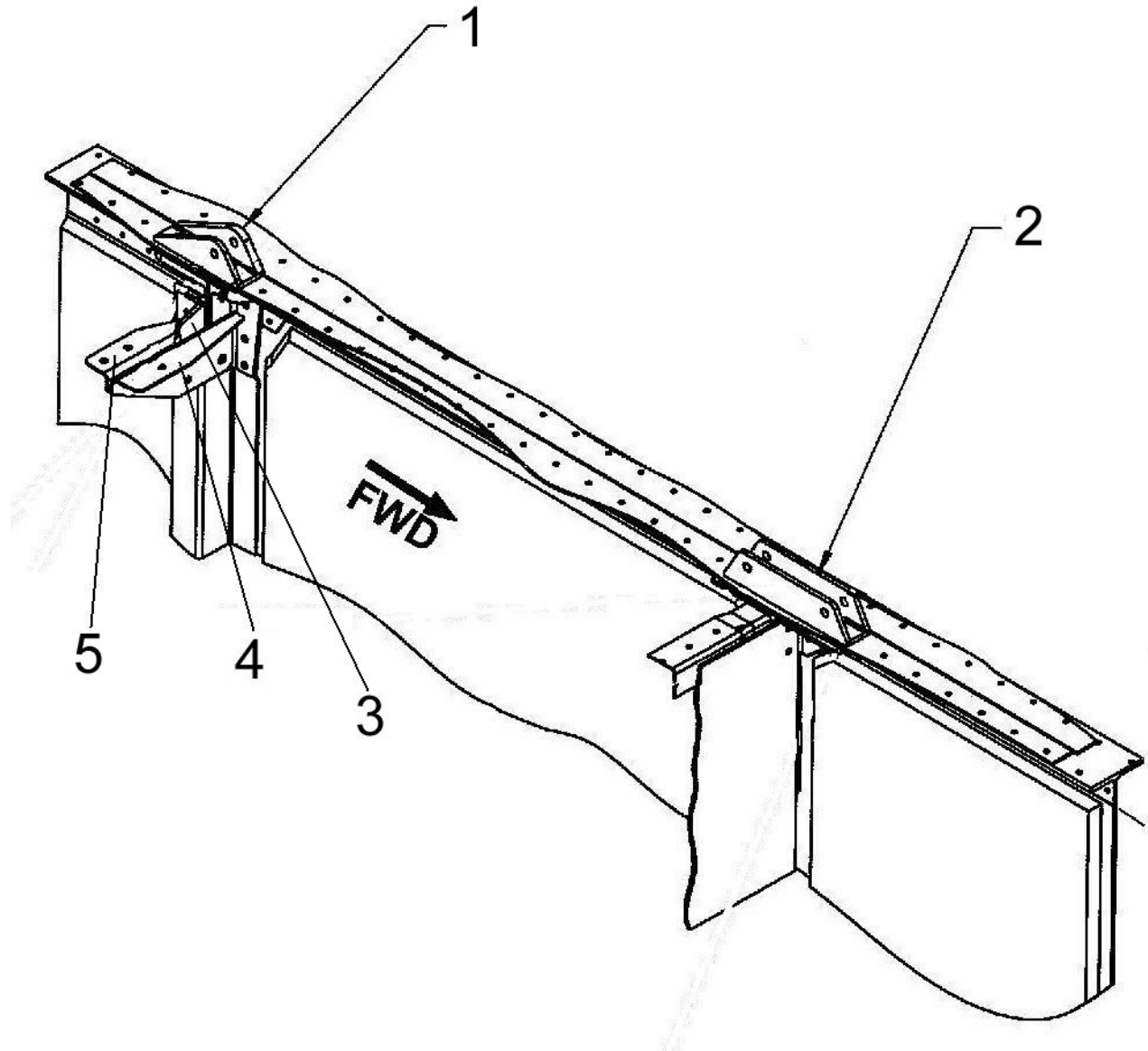


Figure 53-17 Engine Mount Detail



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| Item Number  | Part Number    | Item Name            | Unit per Assy. | UOC |
|--------------|----------------|----------------------|----------------|-----|
| Figure 53-17 |                |                      |                |     |
| 1            | D212-725-1-109 | Engine Mount, Aft LH | 1              |     |
| 1            | D212-725-1-110 | Engine Mount, Aft RH | 1              |     |
| 2            | D212-725-1-111 | Engine Mount Fwd     | 2              |     |
| 3            | D212-725-1-011 | Angle, LH            | 1              |     |
| 3            | D212-725-1-012 | Angle, RH            | 1              |     |
| 4            | D212-725-1-063 | Stiffener, LH        | 1              |     |
| 4            | D212-725-1-064 | Stiffener, RH        | 1              |     |
| 5            | D212-725-1-065 | Stiffener, LH        | 1              |     |
| 5            | D212-725-1-066 | Stiffener, RH        | 1              |     |
|              |                |                      |                |     |
|              |                |                      |                |     |
|              |                |                      |                |     |

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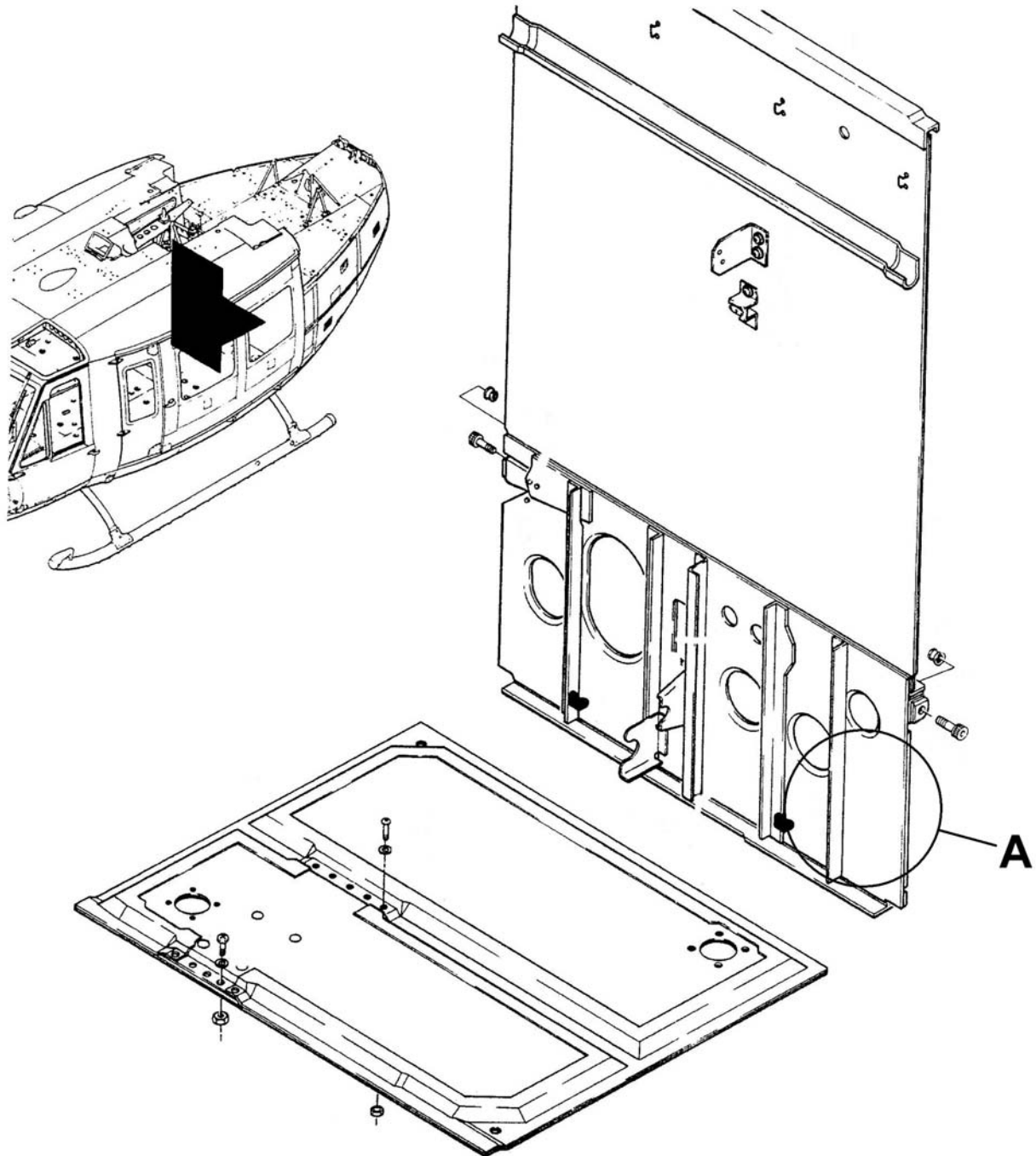


Figure 53-18 Bulkhead Detail (Sheet 1 of 2)

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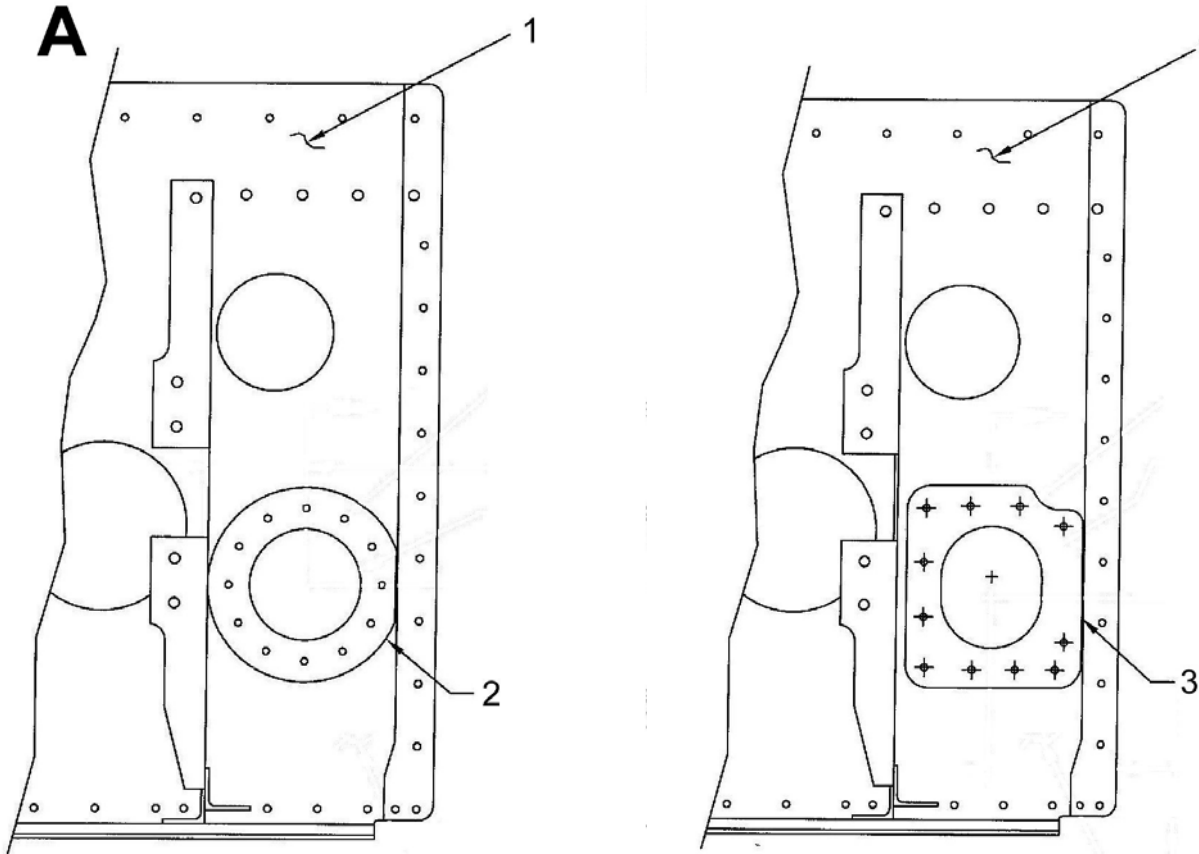


Figure 53-18 Bulkhead Detail (Sheet 2 of 2)

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| Item Number  | Part Number     | Item Name                 | Unit per Assy. | UOC |
|--------------|-----------------|---------------------------|----------------|-----|
| Figure 53-18 |                 |                           |                |     |
| 1            | 212-030-222-007 | Bulkhead                  | 1              |     |
| 1            | 212-030-222-011 | Bulkhead (Alternate Part) | 1              |     |
| 1            | 212-030-222-047 | Bulkhead (Alternate Part) | 1              |     |
| 1            | 212-030-222-073 | Bulkhead (Alternate Part) | 1              |     |
| 1            | 212-030-222-103 | Bulkhead (Alternate Part) | 1              |     |
| 2            | D212-725-1-017A | Doubler                   | 1              |     |
| 3            | D212-725-1-017B | Doubler (S/N 30687 Only)  | 1              |     |
|              |                 |                           |                |     |
|              |                 |                           |                |     |
|              |                 |                           |                |     |

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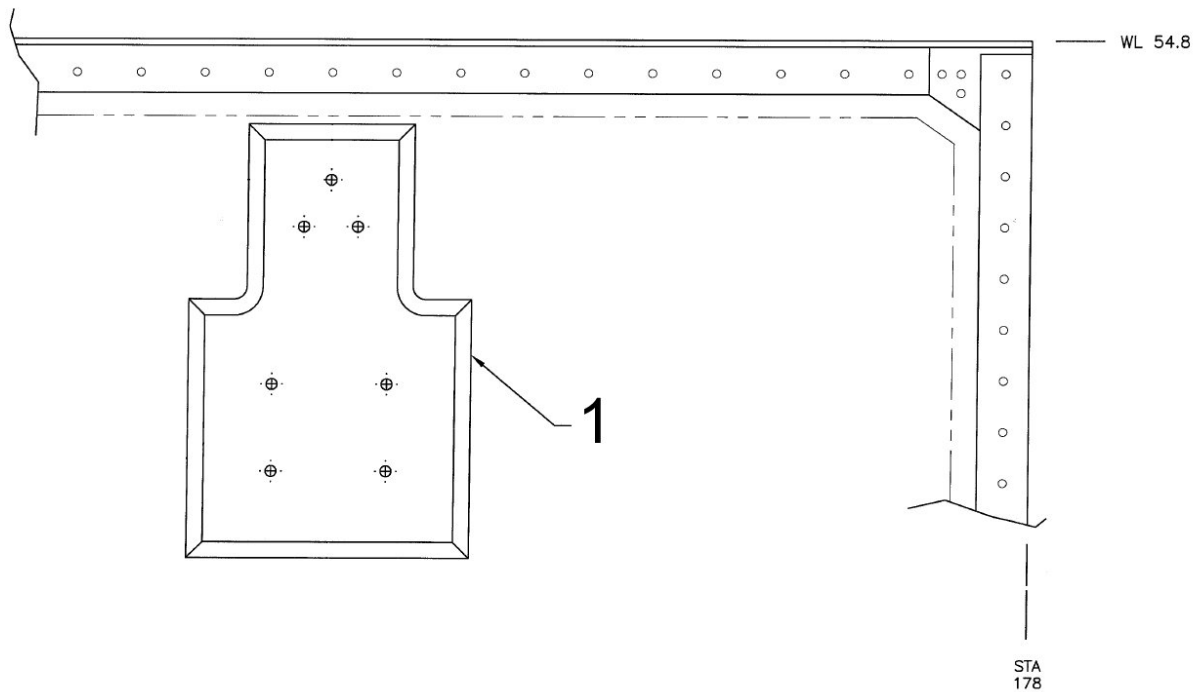


Figure 53-19 Idle Stop Mount



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| Item Number  | Part Number    | Item Name       | Unit per Assy. | UOC |
|--------------|----------------|-----------------|----------------|-----|
| Figure 53-19 |                |                 |                |     |
| 1            | D212-725-1-009 | Idle Stop Mount | 1              |     |
|              |                |                 |                |     |
|              |                |                 |                |     |
|              |                |                 |                |     |
|              |                |                 |                |     |
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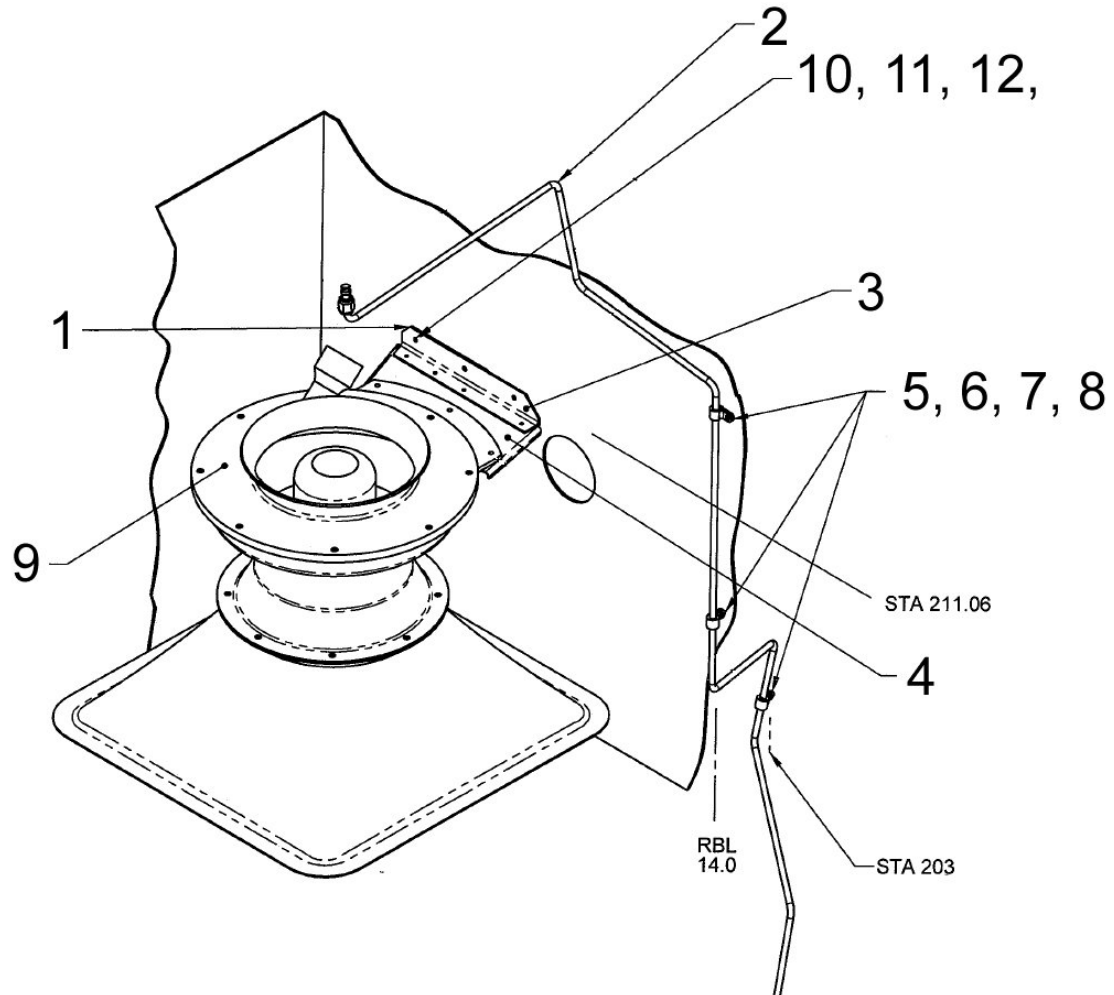


Figure 53-20 Oil Cooler Installation



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| Item Number  | Part Number     | Item Name            | Unit per Assy. | UOC |
|--------------|-----------------|----------------------|----------------|-----|
| Figure 53-20 |                 |                      |                |     |
| 1            | D212-725-1-059  | Packer               | 1              |     |
| 2            | D212-725-1-933  | Tube Assembly        | 1              |     |
| 3            | D212-725-1-055  | Angle                | 1              |     |
| 4            | D212-725-1-057  | Bracket              | 1              |     |
| 5            | MS21919WDG04    | Clamp                | 3              |     |
| 6            | AN3-3A          | Bolt                 | 3              |     |
| 7            | NAS1149D0363J   | Washer               | 6              |     |
| 8            | MS21042L3       | Nut                  | 3              |     |
| 9            | 204-062-540-001 | Turbine Fan Assembly | 1              |     |
| 10           | 80-004-2-10     | Insert               | 3              |     |
| 11           | AN3-3A          | Bolt                 | 3              |     |
| 12           | NAS1149D0363J   | Washer               | 3              |     |
|              |                 |                      |                |     |
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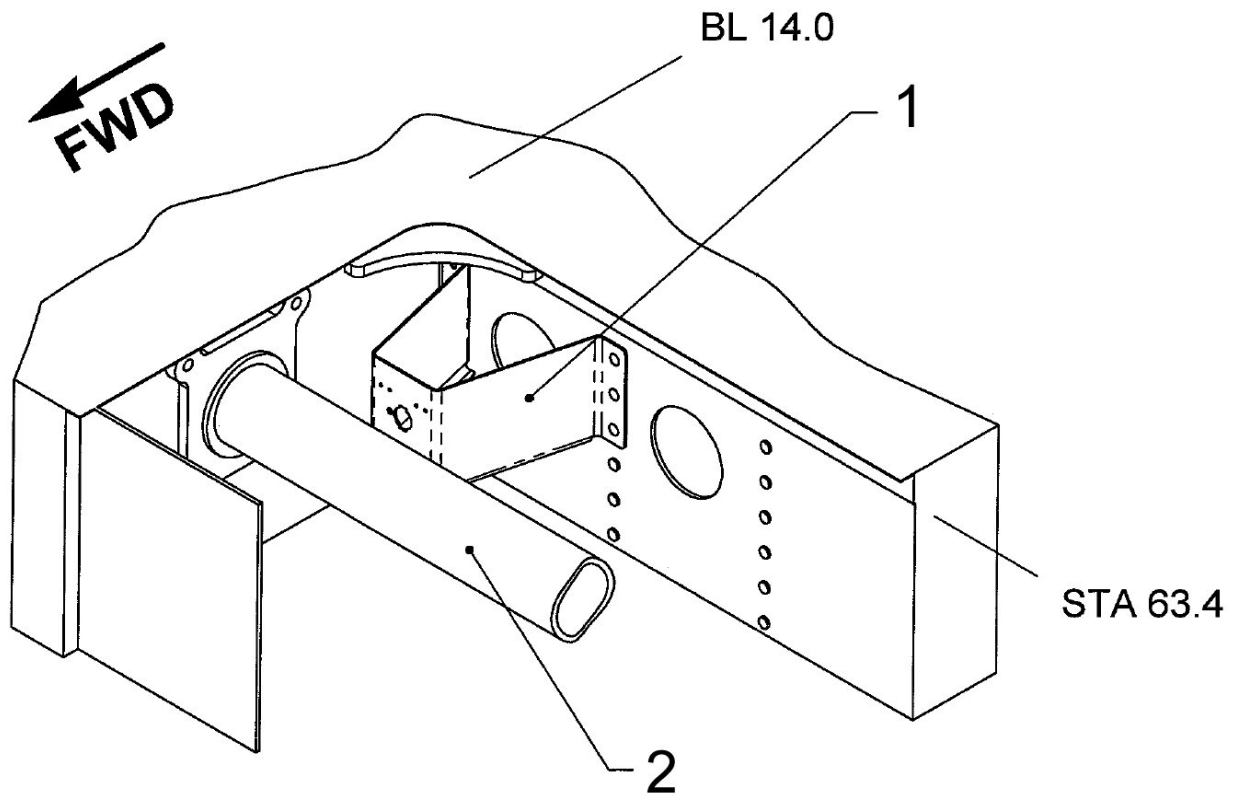


Figure 53-21 D212-725-1-061 Bracket Installation

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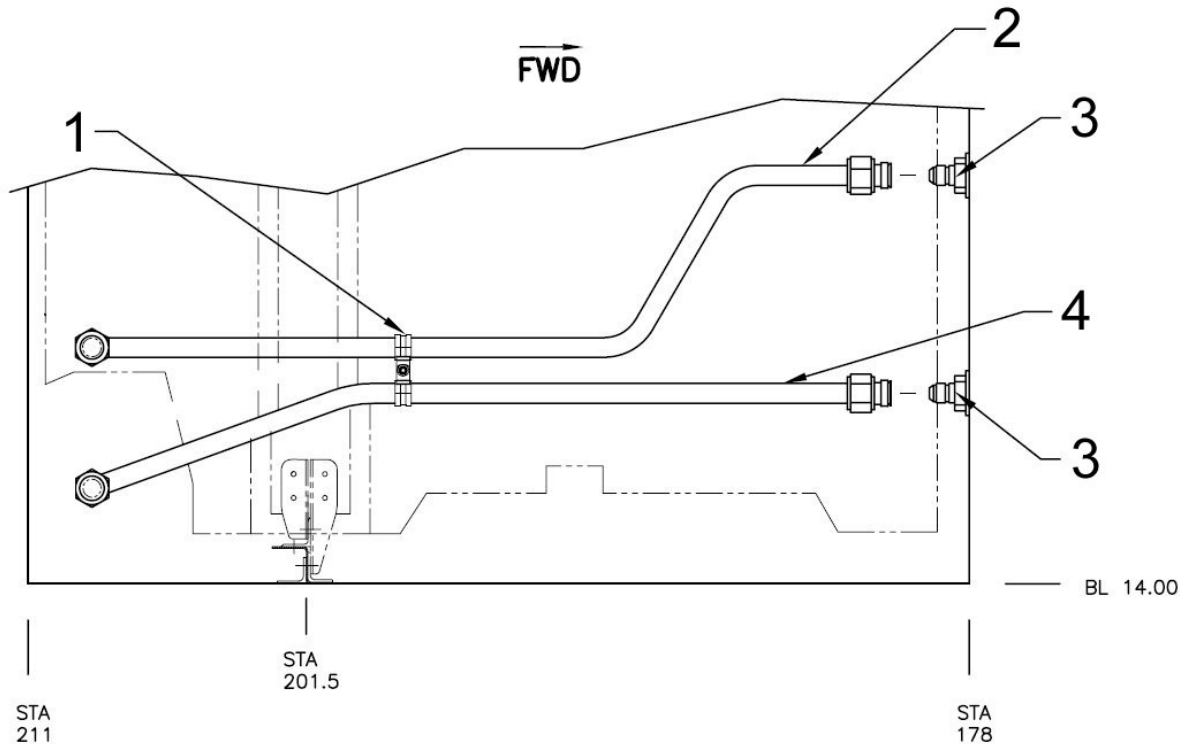


Figure 53-22 Vent Tube Installation  
(S/N 30687, 30931, 30576, 30817, 30599 and 30544)



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| Item Number  | Part Number    | Item Name     | Unit per Assy. | UOC |
|--------------|----------------|---------------|----------------|-----|
| Figure 53-22 |                |               |                |     |
| 1            | MS21919WDG12   | Clamp         | 2              |     |
| 2            | D212-725-1-915 | Tube Assembly | 1              |     |
| 3            | AN832-12D      | Fitting       | 2              |     |
| 4            | D212-725-1-913 | Tube Assembly | 1              |     |
|              |                |               |                |     |
|              |                |               |                |     |
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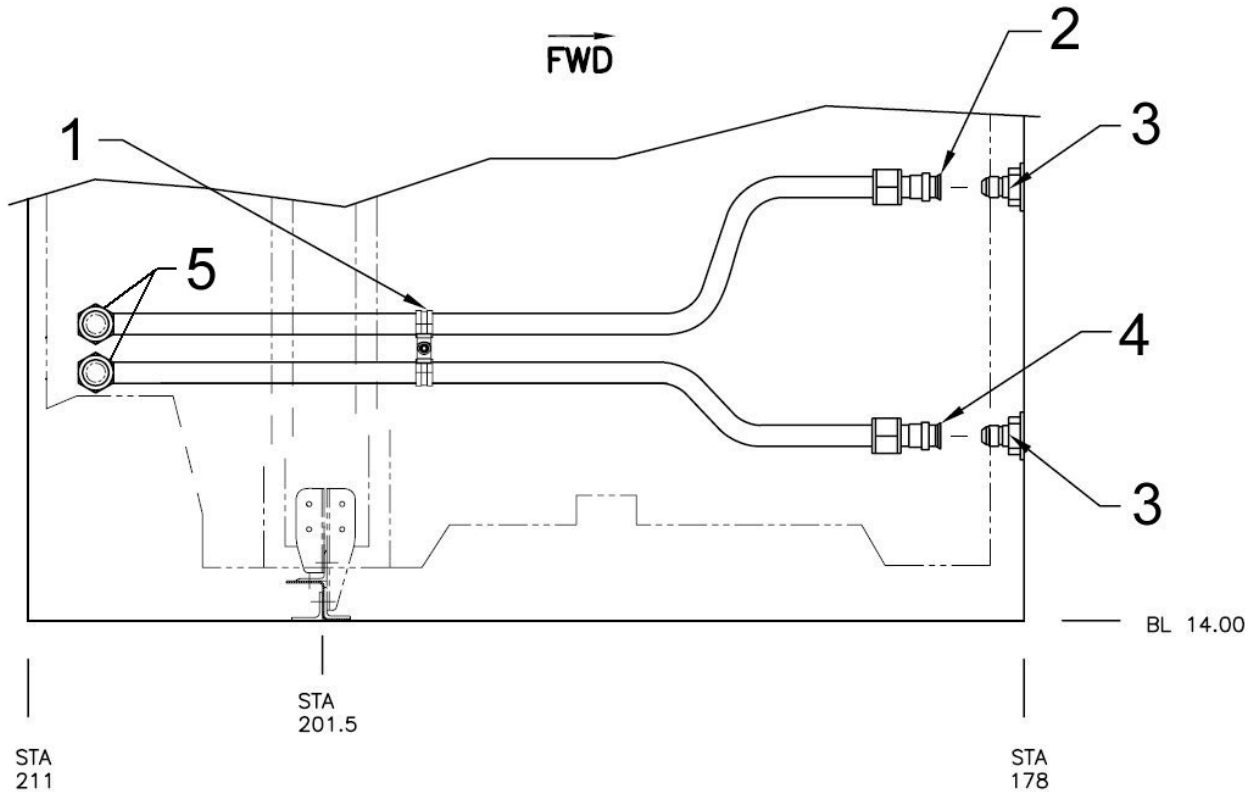


Figure 53-23 Vent Tube Installation  
(All S/N's Except 30687, 30931, 30576, 30817, 30599 and 30544)



CHAPTER 53 – FUSELAGE (53-00-00)

| Item Number  | Part Number    | Item Name     | Unit per Assy. | UOC |
|--------------|----------------|---------------|----------------|-----|
| Figure 53-23 |                |               |                |     |
| 1            | MS21919WDG12   | Clamp         | 2              |     |
| 2            | D212-725-1-943 | Tube Assembly | 1              |     |
| 3            | AN832-12D      | Fitting       | 2              |     |
| 4            | D212-725-1-941 | Tube Assembly | 1              |     |
| 5            | D212-725-1-945 | Drain Line    | 2              |     |
|              |                |               |                |     |
|              |                |               |                |     |
|              |                |               |                |     |
|              |                |               |                |     |
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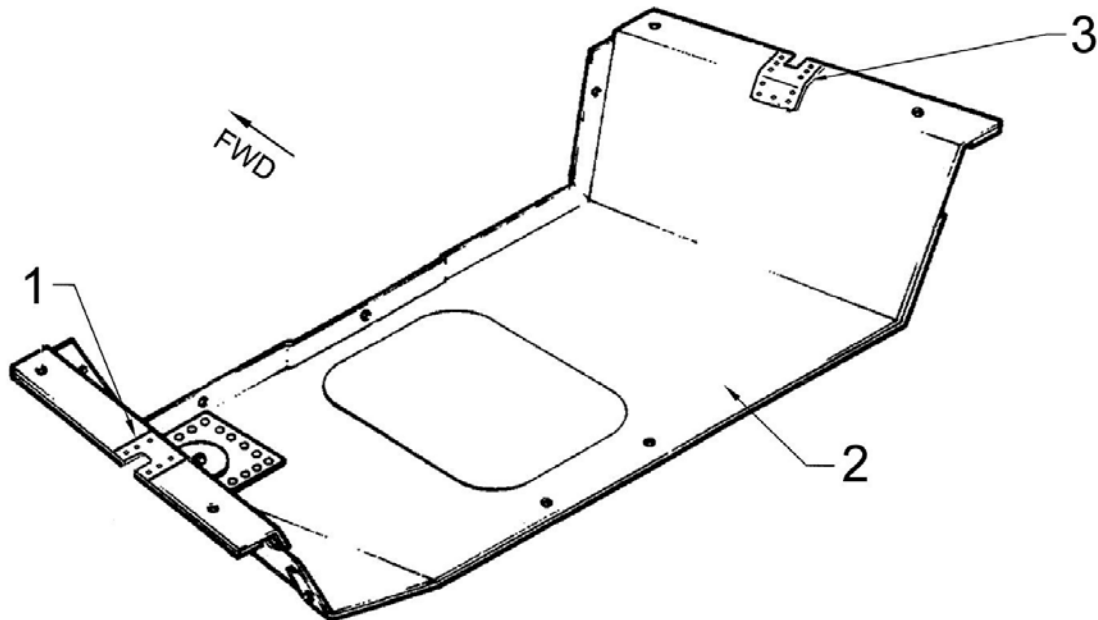


Figure 53-24 D212-725-1-201 Doubler Installation

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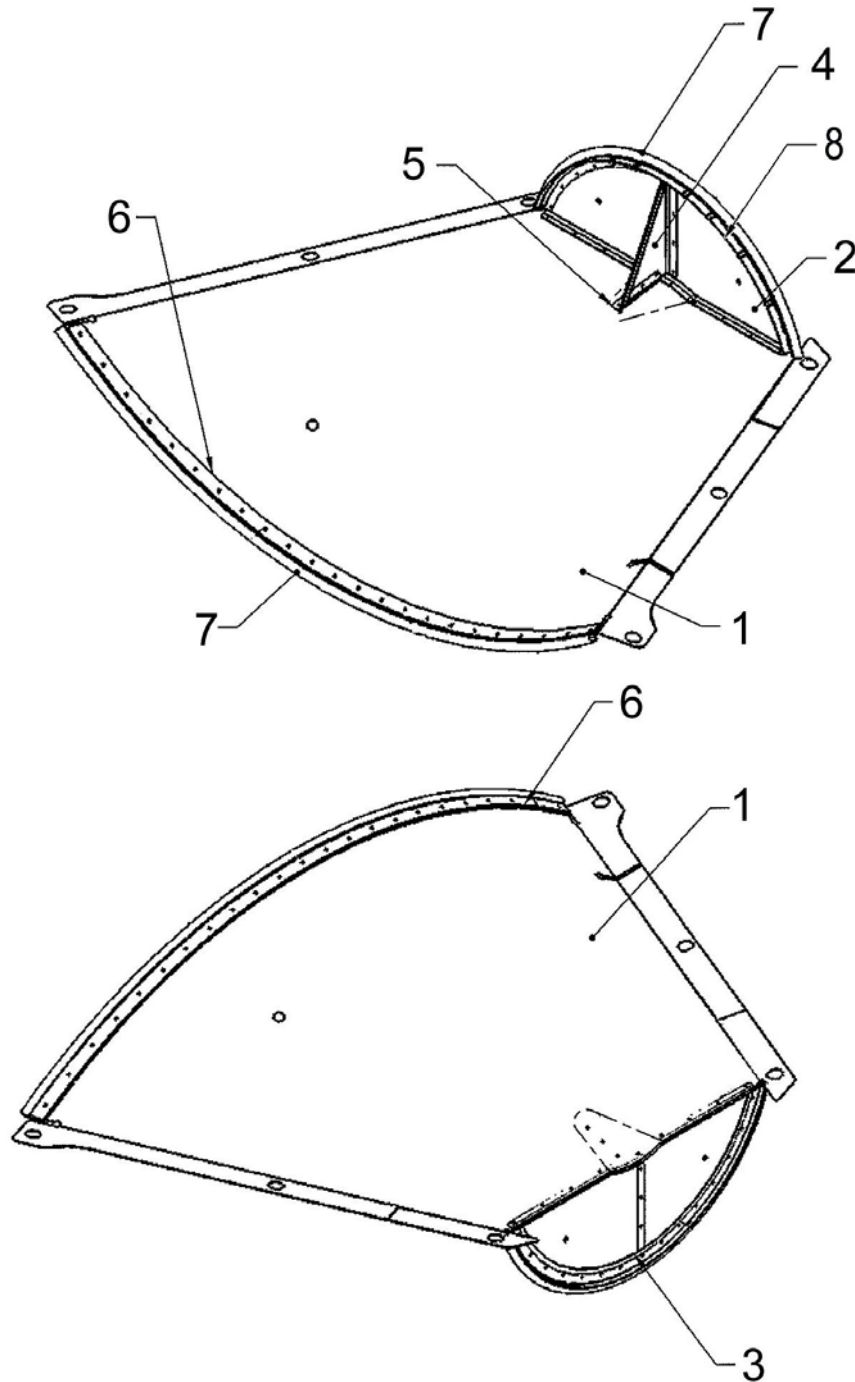


Figure 53-25 D212-725-1-939 Tail Pipe Shield



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| Item Number  | Part Number    | Item Name                 | Unit per Assy. | UOC |
|--------------|----------------|---------------------------|----------------|-----|
| Figure 53-25 |                |                           |                |     |
|              | D212-725-1-939 | Tail Pipe Shield Assembly | 1              |     |
| 1            | D212-725-1-215 | Shield Tail Pipe          | 1              |     |
| 2            | D212-725-1-217 | Web                       | 1              |     |
| 3            | D212-725-1-219 | Arc Seal Retainer         | 1              |     |
| 4            | D212-725-1-221 | Gusset                    | 1              |     |
| 5            | D212-725-1-223 | Angle                     | 1              |     |
| 6            | D212-725-1-225 | Seal Retainer             | 2              |     |
| 7            | 120-104-1      | Seal                      | A/R            |     |
| 8            | D212-725-1-281 | Doubler                   | 1              |     |
|              |                |                           |                |     |
|              |                |                           |                |     |
|              |                |                           |                |     |
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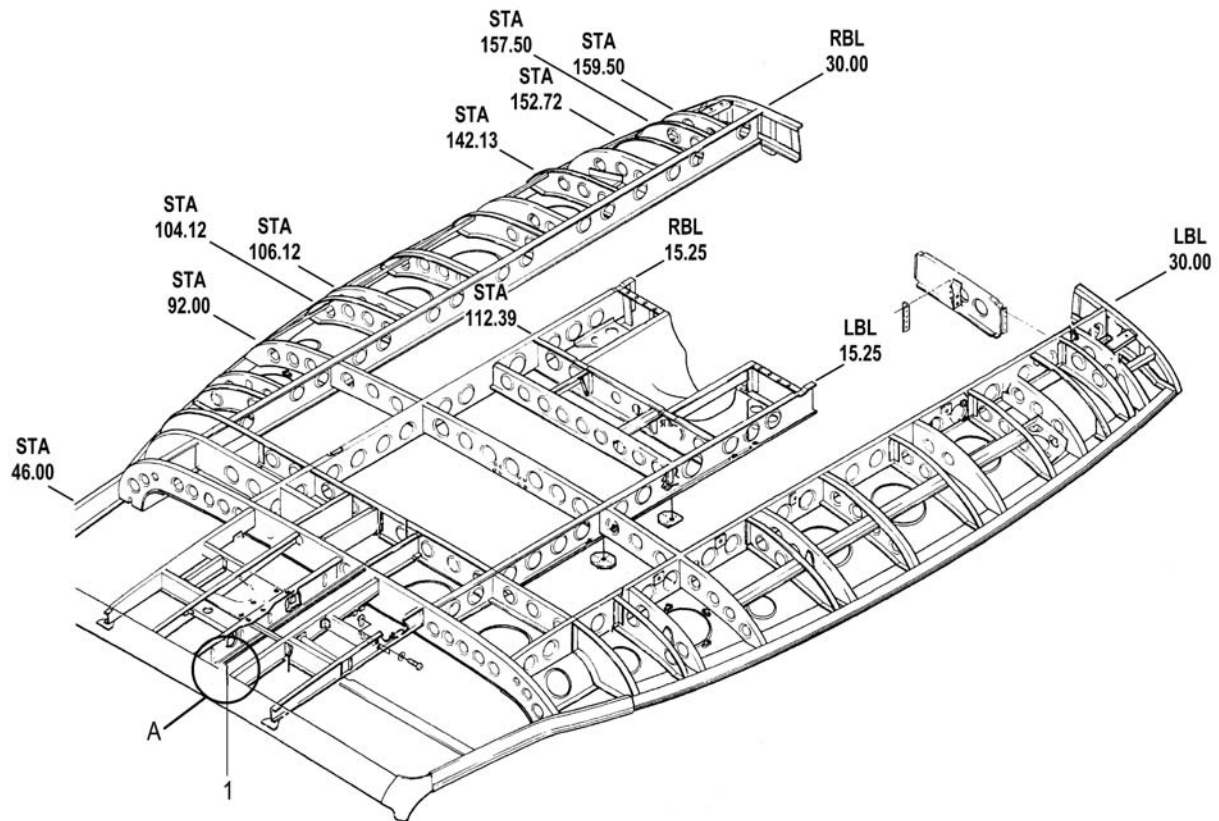


Figure 53-26 Roof Installation, Cabin (Sheet 1 of 2)

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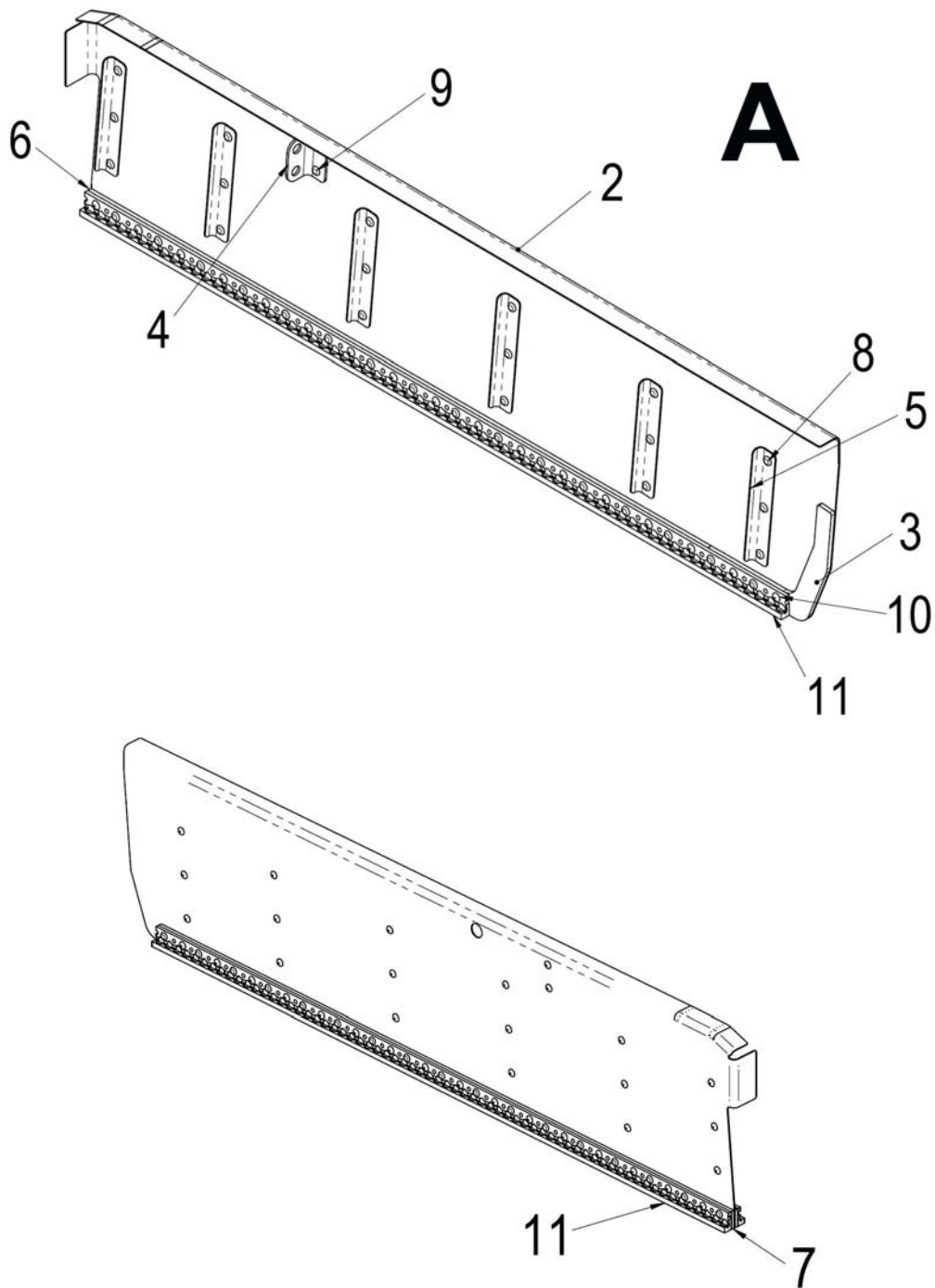


Figure 53-26 Roof Installation, Cabin (Sheet 2 of 2)



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| Item Number  | Part Number     | Item Name                           | Unit per Assy. | UOC |
|--------------|-----------------|-------------------------------------|----------------|-----|
| Figure 53-26 |                 |                                     |                |     |
| 1            | 205-030-617-181 | Frame/Web Assembly                  | 1              |     |
| 1            | D212-725-1-951  | Frame/Web Assembly (Alternate Part) | 1              |     |
| 2            | D212-725-1-259  | Web                                 | 1              |     |
| 3            | D212-725-1-261  | Packer                              | 1              |     |
| 4            | D212-725-1-263  | Angle                               | 1              |     |
| 5            | D212-725-1-265  | Angle                               | 6              |     |
| 6            | D212-725-1-267  | Packer                              | 1              |     |
| 7            | D212-725-1-269  | Packer                              | 1              |     |
| 8            | MS20470AD4-3    | Rivet                               | 18             |     |
| 9            | MS20470AD4-4    | Rivet                               | 2              |     |
| 10           | MS20470AD4-10   | Rivet                               | 33             |     |
| 11           | PR-35           | Dzus Rail                           | (A/R)          |     |
|              |                 |                                     |                |     |
|              |                 |                                     |                |     |
|              |                 |                                     |                |     |
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CHAPTER 62 – MAIN ROTOR (62-00-00)

# CHAPTER 62 MAIN ROTOR (62-00-00)

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CHAPTER 63 – MAIN ROTOR DRIVE SYSTEM (63-00-00)

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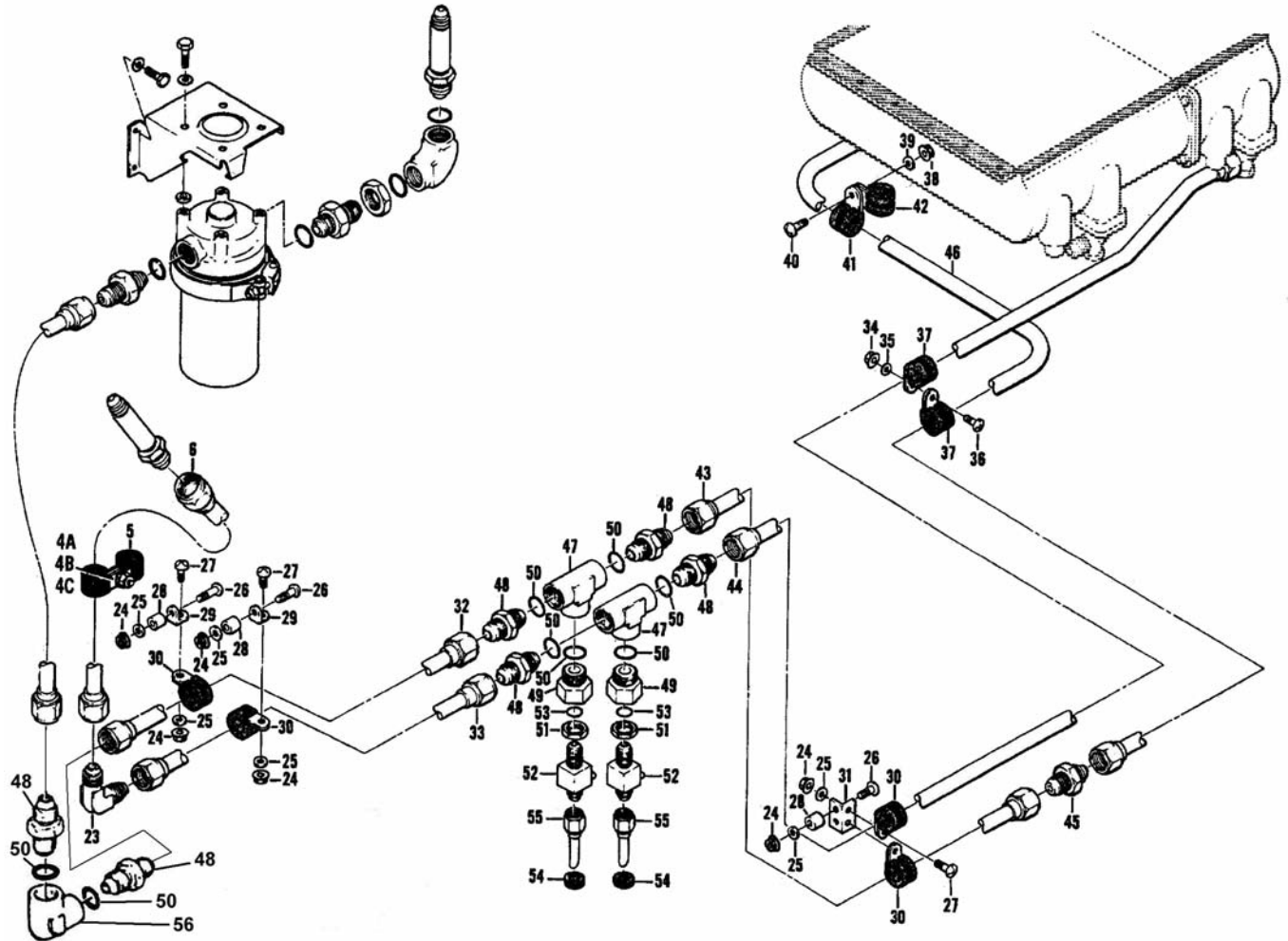


Figure 63-1 Oil Cooler Installation, Transmission

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CHAPTER 63 – MAIN ROTOR DRIVE SYSTEM (63-00-00)

| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 63-1 |                 |                    |                |     |
| 4A          | MS21042L3       | Nut                | 1              |     |
| 4B          | NAS1149D0332J   | Washer             | 1              |     |
| 4C          | MS35207-261     | Screw              | 1              |     |
| 5           | MS21919WDG10    | Clamp              | 2              |     |
| 6           | 205-040-214-001 | Tube Assembly      | 1              |     |
| 6           | 205-040-248-101 | Tube Assembly      | 1              |     |
| 23          | AN821-10D       | Elbow              | 2              |     |
| 24          | MS21042L3       | Nut                | 8              |     |
| 25          | NAS1149D0332J   | Washer             | 8              |     |
| 26          | MS35207-264     | Screw              | 4              |     |
| 27          | MS35207-261     | Screw              | 4              |     |
| 28          | NAS43DD3-16     | Spacer             | 4              |     |
| 29          | AN743-12        | Bracket            | 2              |     |
| 30          | MS21919WDG10    | Clamp              | 4              |     |
| 31          | AN743-7         | Bracket            | 1              |     |
| 32          | 412-040-244-101 | Tube Assembly      | 1              |     |
| 33          | 205-040-147-001 | Tube Assembly      | 1              |     |
| 34          | MS21042L3       | Nut                | 1              |     |
| 35          | NAS1149D0332J   | Washer             | 1              |     |
| 36          | MS35207-262     | Screw              | 1              |     |
| 37          | MS21919WDG10    | Clamp              | 2              |     |
| 38          | MS21042L3       | Nut                | 1              |     |
| 39          | NAS1149D0332J   | Washer             | 1              |     |
| 40          | MS35207-262     | Screw              | 1              |     |
| 41          | MS21919WDG10    | Clamp              | 1              |     |
| 42          | MS21919WDG16    | Clamp              | 1              |     |
| 43          | 205-040-221-001 | Tube Assembly      | 1              |     |
| 44          | 205-040-220-001 | Tube Assembly      | 1              |     |
| 44          | 205-040-224-001 | Tube Assembly      | 1              |     |
| 45          | AN815-10D       | Union              | 1              |     |
| 46          | 205-040-222-001 | Tube Assembly      | 1              |     |
| 46          | 205-040-223-001 | Tube Assembly      | 1              |     |
| 47          | AN938D10        | Tee                | 2              |     |
| 48          | AN815-10D       | Union              | 6              |     |
| 49          | AN893-121D      | Bushing            | 2              |     |
| 50          | M83248/1-910    | Packing, Preformed | 8              |     |
| 51          | AN924-6D        | Nut                | 2              |     |
| 52          | 212-040-232-001 | Valve              | 2              |     |
| 53          | M83248/1-906    | Packing, Preformed | 2              |     |
| 54          | MS35489-11      | Grommet            | 2              |     |
| 55          | 205-040-151-001 | Tube Assembly      | 2              |     |
| 56          | AN939-10        | Fitting            | 1              |     |

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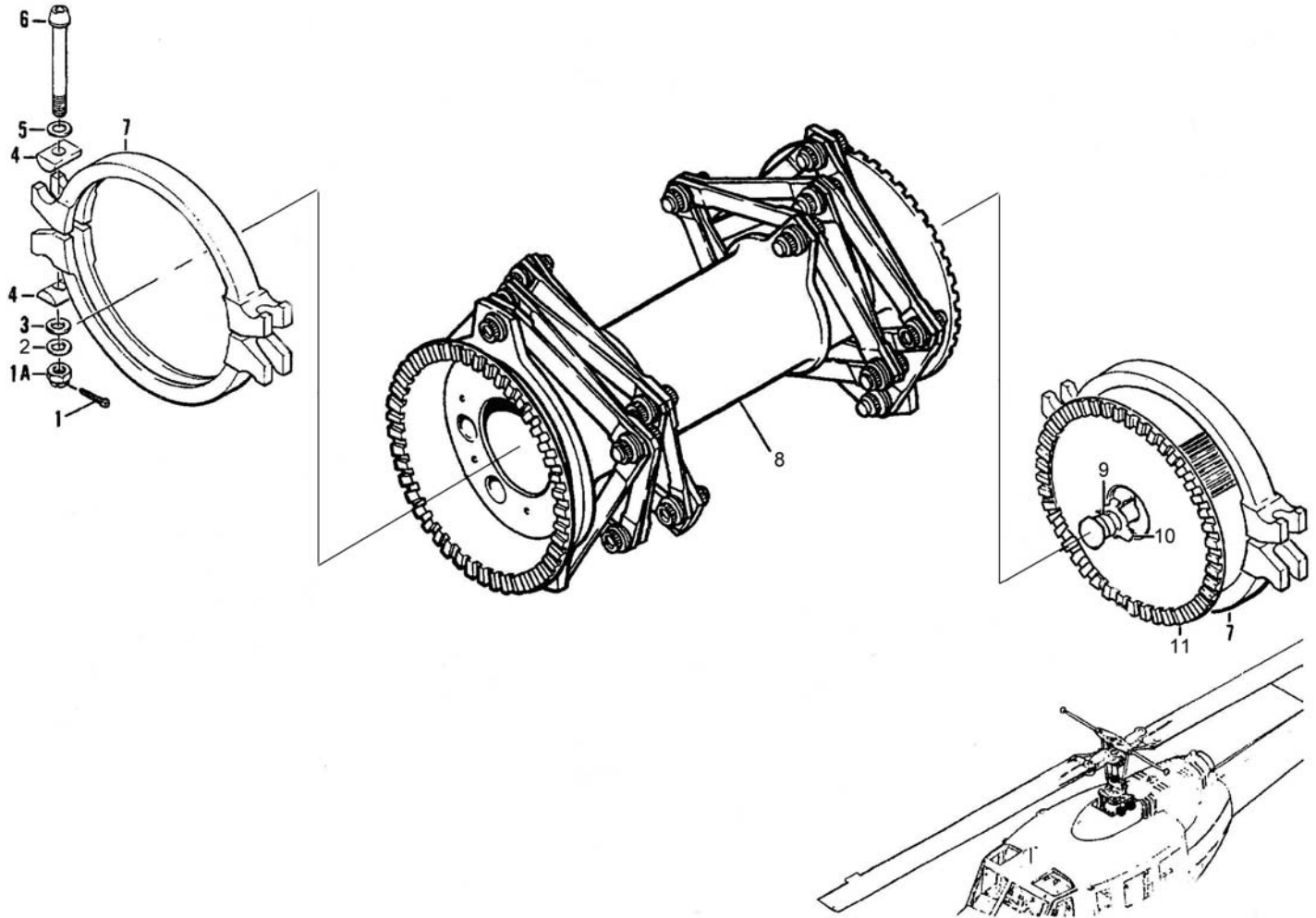


Figure 63-2 Driveshaft Installation, Engine to Transmission

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| Item Number | Part Number                                                                                                                                | Item Name                              | Unit per Assy. | UOC |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------|-----|
| Figure 63-2 |                                                                                                                                            |                                        |                |     |
| 1           | MS24665-154                                                                                                                                | Pin, Cotter                            | 4              |     |
| 1A          | AN310-5                                                                                                                                    | Nut                                    | 4              |     |
| 2           | NAS1149F0532P                                                                                                                              | Washer (Note 1)                        | 4              |     |
| 3           | NAS1149F0563P                                                                                                                              | Washer                                 | 4              |     |
| 4           | 204-040-717-001                                                                                                                            | Pivot                                  | 8              |     |
| 5           | MS20002C5                                                                                                                                  | Washer                                 | 4              |     |
| 6           | 204-040-624-001                                                                                                                            | Bolt                                   | 4              |     |
| 7           | 204-040-716-005                                                                                                                            | Coupling Set                           | 2              |     |
| 8           | 204-040-433-101                                                                                                                            | Driveshaft Assembly                    | 1              |     |
| 9           | 204-040-813-001                                                                                                                            | Bolt (Note 2) (s/n 30003 thru 30272)   | 1              |     |
| 9           | 204-040-813-101                                                                                                                            | Bolt (Note 2)                          | 1              |     |
| 10          | 204-040-814-003                                                                                                                            | Washer (Note 2) (s/n 30003 thru 30272) | 1              |     |
| 10          | 204-040-814-001                                                                                                                            | Washer (Note 2)                        | 1              |     |
| 11          | 204-040-812-003                                                                                                                            | Adapter                                | 1              |     |
|             | Note 1: Minimum quantity shown, refer to Eagle Single Maintenance Manual for specific fit.                                                 |                                        |                |     |
|             | Note 2: Replace 204-040-813-001 bolt and 204-040-814-003 washer as a unit using 204-070-813-101 bolt and 204-040-814-001 washer as a unit. |                                        |                |     |
|             |                                                                                                                                            |                                        |                |     |
|             |                                                                                                                                            |                                        |                |     |
|             |                                                                                                                                            |                                        |                |     |
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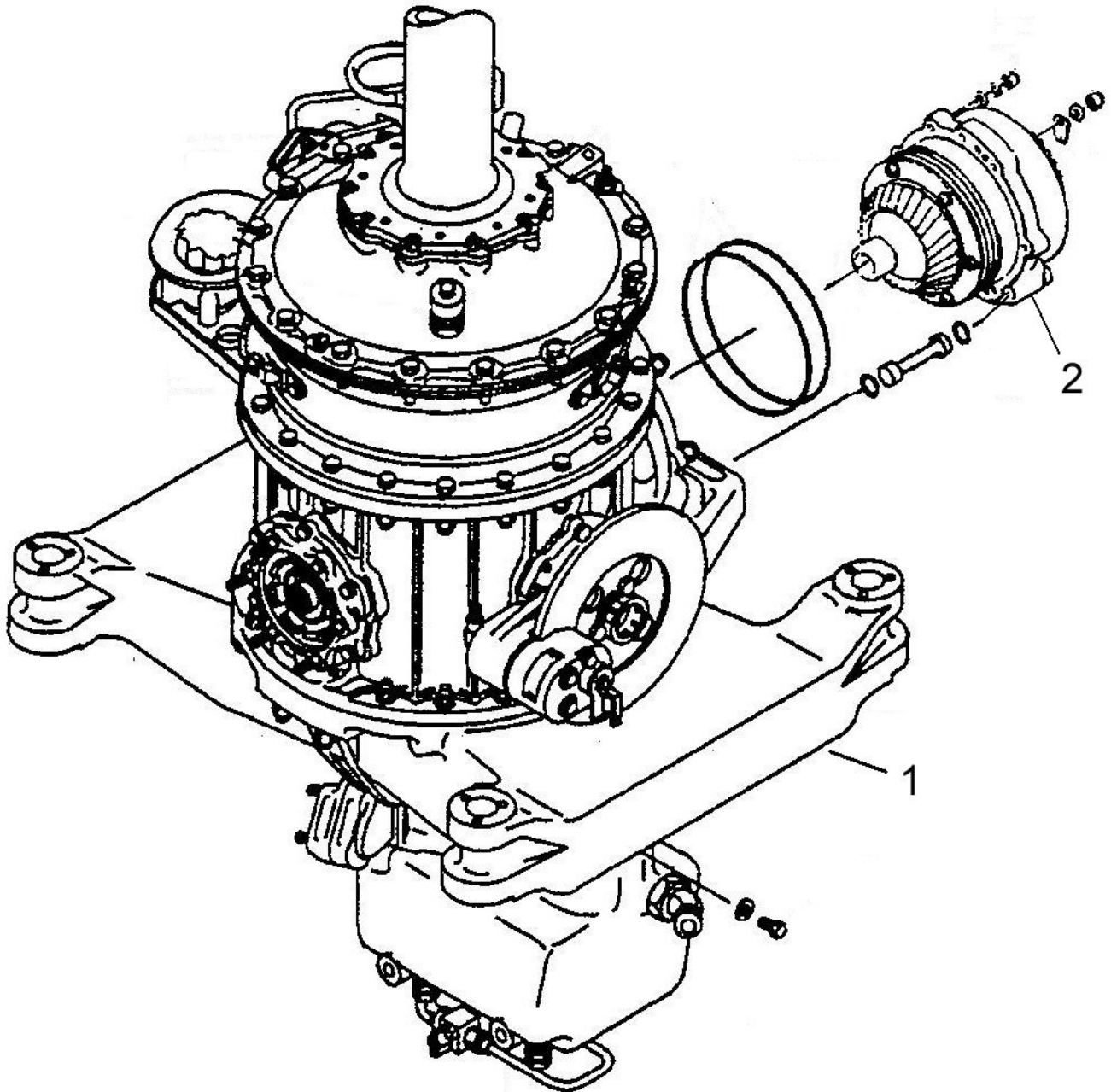


Figure 63-3 Transmission and Quill Assembly



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| Item Number | Part Number     | Item Name             | Unit per Assy. | UOC |
|-------------|-----------------|-----------------------|----------------|-----|
| Figure 63-3 |                 |                       |                |     |
| 1           | 212-040-001-115 | Transmission Assembly | 1              |     |
| 1           | 212-040-001-043 | Transmission Assembly | 1              |     |
| 1           | 212-040-001-123 | Transmission Assembly | 1              |     |
| 1           | 212-040-001-059 | Transmission Assembly | 1              |     |
| 1           | 212-040-001-179 | Transmission Assembly | 1              |     |
| 2           | 205-040-263-101 | Input Quill Assembly  | 1              | 2   |
| 2           | 205-040-263-111 | Input Quill Assembly  | 1              | 1   |
|             |                 |                       |                |     |
|             |                 |                       |                |     |
|             |                 |                       |                |     |
|             |                 |                       |                |     |
|             |                 |                       |                |     |
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UOC Code

- 1 – S/N 30687 Only
- 2 – All S/N's Except 30687

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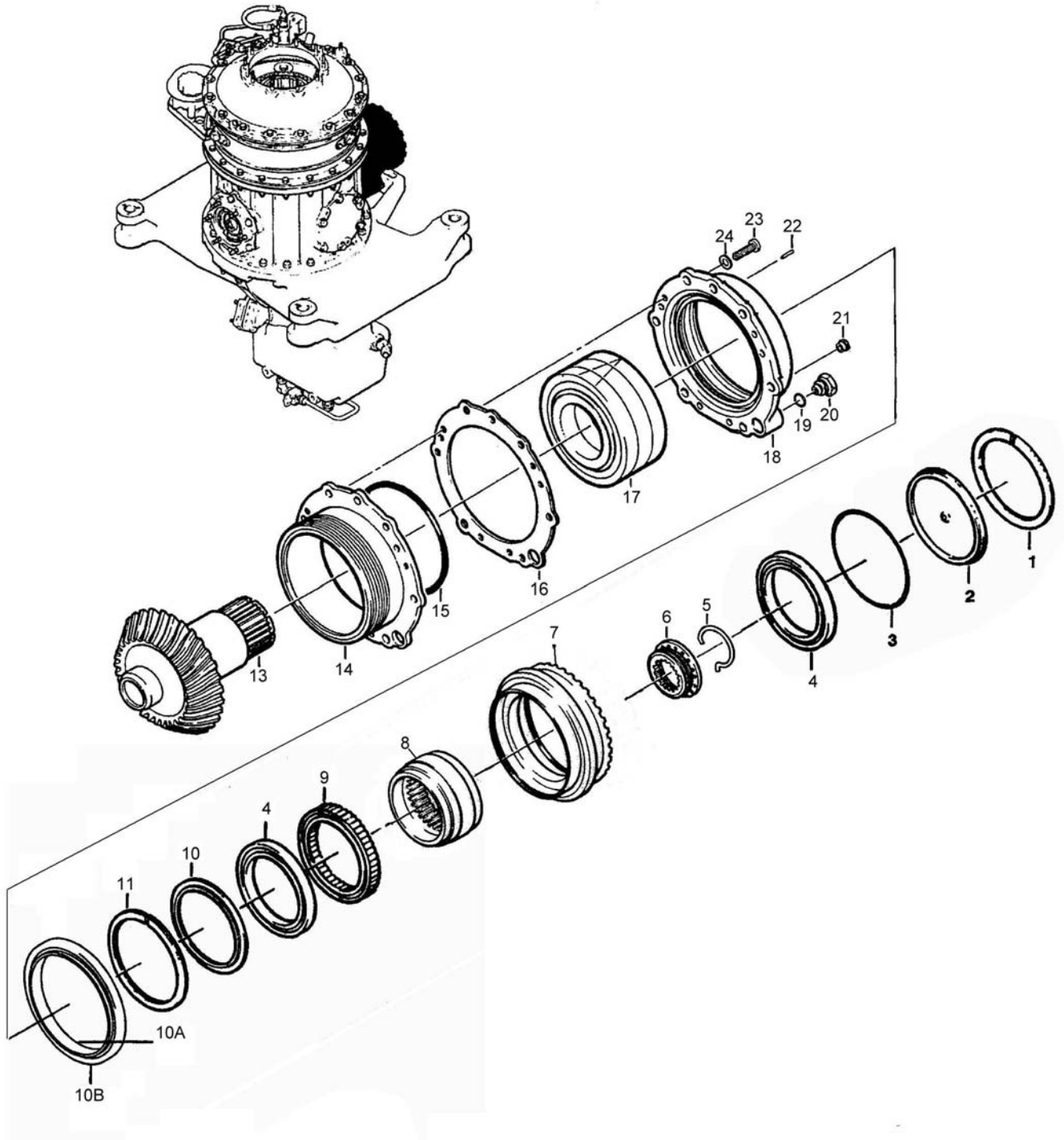


Figure 63-4 205-040-263-101 Quill Assembly



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| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 63-4 |                 |                    |                |     |
| 1           | M27426-3213B    | Retainer           | 1              |     |
| 2           | 204-040-629-005 | Retainer Assembly  | 1              |     |
| 3           | 204-040-640-001 | Packing, Preformed | 1              |     |
| 4           | 205-040-242-001 | Bearing            | 2              |     |
| 5           | 204-040-183-001 | Spring             | 1              |     |
| 6           | 204-040-184-001 | Nut                | 1              |     |
| 7           | 205-040-232-101 | Race               | 1              |     |
| 8           | 204-040-190-101 | Race               | 1              |     |
| 9           | 205-040-250-103 | Clutch Assembly    | 1              |     |
| 10          | 205-040-237-001 | Shield             | 1              |     |
| 10A         | 214-040-867-101 | Sleeve             | 1              |     |
| 10B         | 212-340-113-101 | Seal               | 1              |     |
| 11          | M27426-3213D    | Retainer           | 1              |     |
| 13          | 204-040-700-101 | Pinion             | 1              |     |
| 14          | 214-040-097-003 | Sleeve             | 1              |     |
| 15          | M83248/1-163    | Packing, Preformed | 1              |     |
| 16          | 214-040-098-001 | Shim               | 1              |     |
| 17          | 214-040-118-001 | Bearing            | 1              |     |
| 18          | 214-040-718-011 | Cap Assembly       | 1              |     |
| 19          | M83248/1-906    | Packing, Preformed | 1              |     |
| 20          | AN814-6WL       | Plug               | 1              |     |
| 21          | REA032          | Nut                | 3              |     |
| 22          | NAS561P4-6      | Pin                | 1              |     |
| 23          | MS35266-80      | Screw              | 3              |     |
| 24          | NAS1149D0463J   | Washer             | 3              |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |

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CHAPTER 63 – MAIN ROTOR DRIVE SYSTEM (63-00-00)

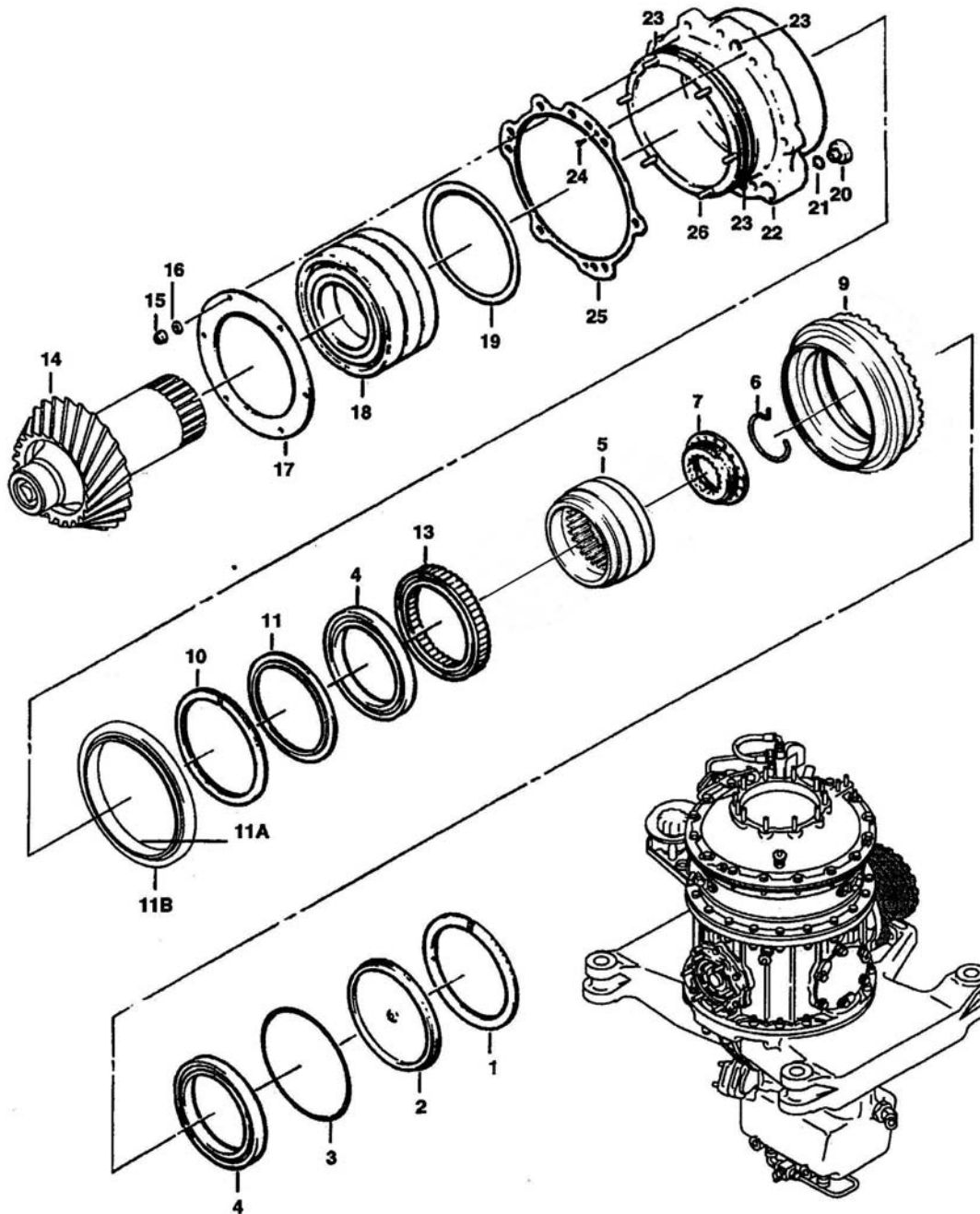


Figure 63-5 205-040-263-111 Quill Assembly  
(S/N 30687 Only)



CHAPTER 63 – MAIN ROTOR DRIVE SYSTEM (63-00-00)

| Item Number | Part Number     | Item Name                         | Unit per Assy. | UOC |
|-------------|-----------------|-----------------------------------|----------------|-----|
| Figure 63-5 |                 |                                   |                |     |
| 1           | M27426-3213B    | Retainer                          | 1              |     |
| 2           | 204-040-629-005 | Retainer Assembly                 | 1              |     |
| 3           | 204-040-640-001 | Packing, Preformed                | 1              |     |
| 4           | 205-040-242-001 | Bearing                           | 2              |     |
| 5           | 204-040-190-001 | Race                              | 1              |     |
| 6           | 204-040-183-001 | Spring                            | 1              |     |
| 7           | 204-040-184-001 | Nut                               | 1              |     |
| 9           | 205-040-232-101 | Race                              | 1              |     |
| 10          | MS27425-3213D   | Retainer                          | 1              |     |
| 11          | 205-040-237-001 | Shield                            | 1              |     |
| 11A         | 214-040-867-101 | Sleeve                            | 1              |     |
| 11B         | 212-340-113-101 | Seal                              | 1              |     |
| 13          | 205-040-250-103 | Clutch                            | 1              |     |
| 14          | 204-040-700-101 | Pinion                            | 1              |     |
| 15          | AN310-4         | Nut                               | 6              |     |
| 16          | NAS1149F0463P   | Washer                            | 6              |     |
| 17          | 204-040-148-003 | Plate                             | 1              |     |
| 18          | 205-040-246-003 | Bearing                           | 1              |     |
| 19          | 204-040-175-001 | Shim                              | 1              |     |
| 20          | AN814-6WL       | Plug                              | 1              |     |
| 21          | M83248/1-906    | Packing, Preformed                | 1              |     |
| 22          | 205-040-256-007 | Sleeve                            | 1              |     |
| 23          | REA-048         | Nut                               | 3              |     |
| 24          | MS24693S4       | Screw                             | 3              |     |
| 25          | 205-040-256-005 | Plate (Made from 204-040-358-001) | 1              |     |
| 25          | 204-040-358-001 | Shim Plate                        | 1              |     |
| 26          | BH10            | Stud                              | 6              |     |
|             |                 |                                   |                |     |
|             |                 |                                   |                |     |

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CHAPTER 64 – TAIL ROTOR (64-00-00)

# **CHAPTER 64 TAIL ROTOR (64-00-00)**

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CHAPTER 65 – TAIL ROTOR DRIVE SYSTEM (65-00-00)

# CHAPTER 65 TAIL ROTOR DRIVE SYSTEM (65-00-00)

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CHAPTER 67 – FLIGHT CONTROLS (67-00-00)

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| 67-2          | Collective Control Installation – Servo                                                 | 4           |
| 67-3          | Collective Installation – Jackshaft                                                     | 6           |
| 67-4          | Collective Head Installation – Pilot                                                    | 8           |
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| 67-6          | Collective Head Installation – Co-Pilot                                                 | 12          |
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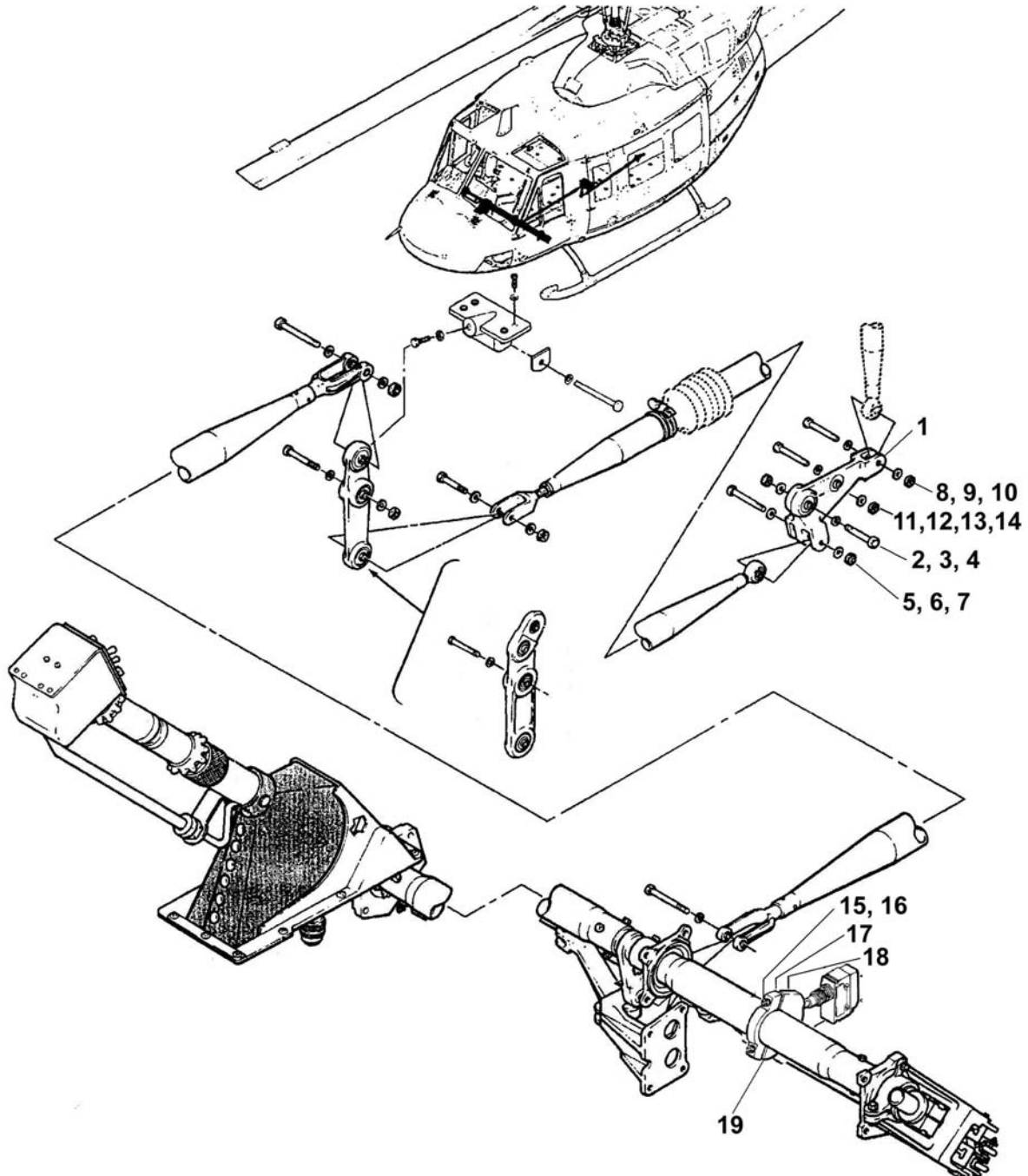


Figure 67-1 Collective Installation – Forward Cabin



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| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 67-1 |                 |                    |                |     |
| 1           | D212-725-1-901  | Bellcrank Assembly | 1              |     |
| 2           | 205-001-310-001 | Bolt               | 1              |     |
| 3           | NAS1149D0563J   | Washer             | 2              |     |
| 4           | MS14144L5       | Nut                | 1              |     |
| 5           | AN174-14        | Bolt               | 1              |     |
| 6           | NAS1149D0463J   | Washer             | 2              |     |
| 7           | MS14144L4       | Nut                | 1              |     |
| 8           | 20-058-4S15D    | Bolt               | 1              |     |
| 9           | NAS1149D0463J   | Washer             | 2              |     |
| 10          | MS14144L4       | Nut                | 1              |     |
| 11          | AN173-12        | Bolt               | 1              |     |
| 12          | NAS1149D0363J   | Washer             | 2              |     |
| 13          | AN310-3         | Nut                | 1              |     |
| 14          | MS24665-152     | Pin, Cotter        | 4              |     |
| 15          | MS27039-1-15    | Screw              | 2              |     |
| 16          | NAS1149D0332J   | Washer             | 2              |     |
| 17          | D212-725-1-247  | Retainer           | 1              |     |
| 18          | D212-725-1-245  | Cam                | 1              |     |
| 19          | D212-725-1-947  | Cam Assembly       | 1              |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |

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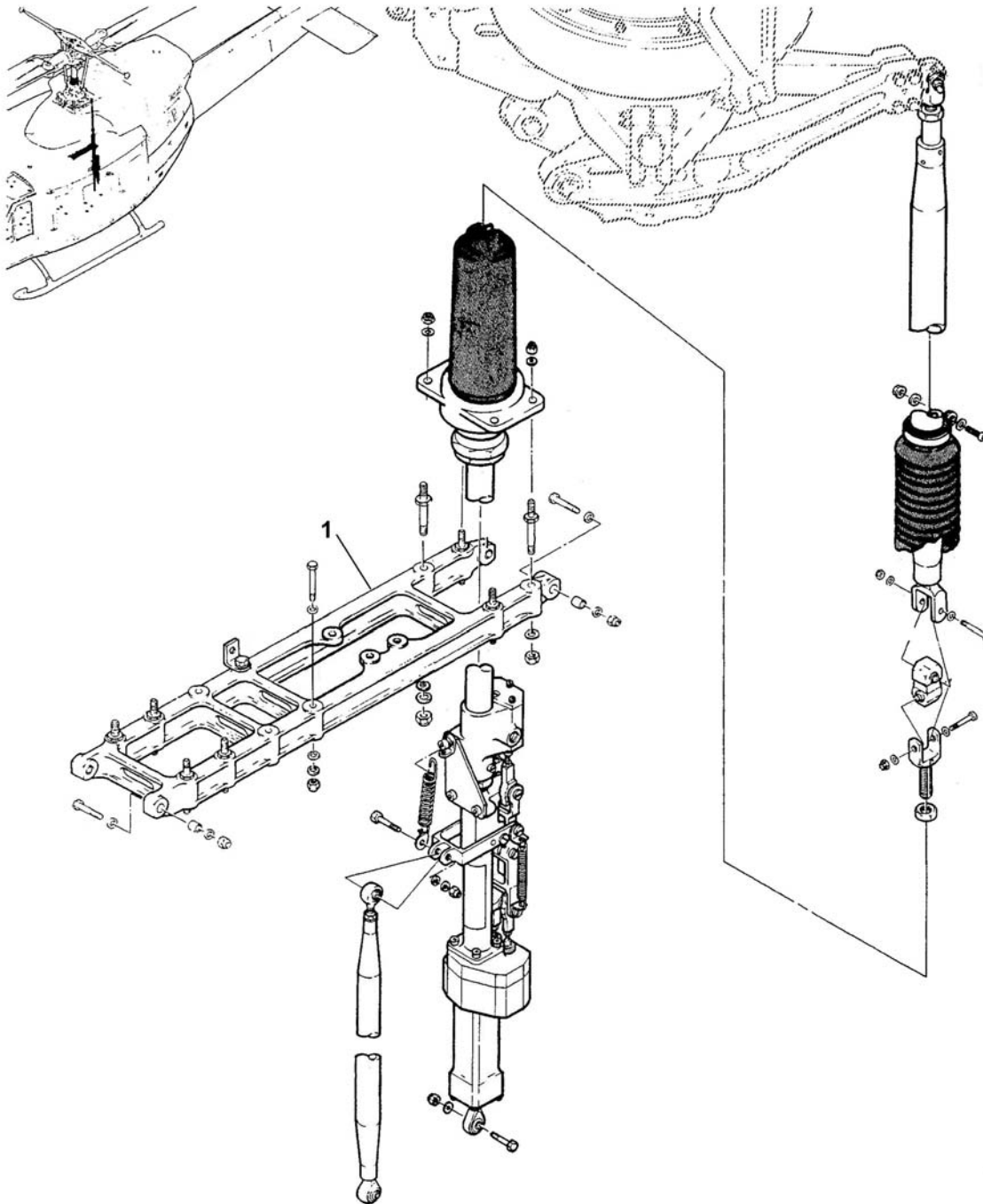


Figure 67-2 Collective Installation – Servo



CHAPTER 67 – FLIGHT CONTROLS (67-00-00)

13

| Item Number | Part Number     | Item Name        | Unit per Assy. | UOC |
|-------------|-----------------|------------------|----------------|-----|
| Figure 67-2 |                 |                  |                |     |
| 1           | 212-001-303-003 | Support Assembly | 1              |     |
|             |                 |                  |                |     |
|             |                 |                  |                |     |
|             |                 |                  |                |     |
|             |                 |                  |                |     |
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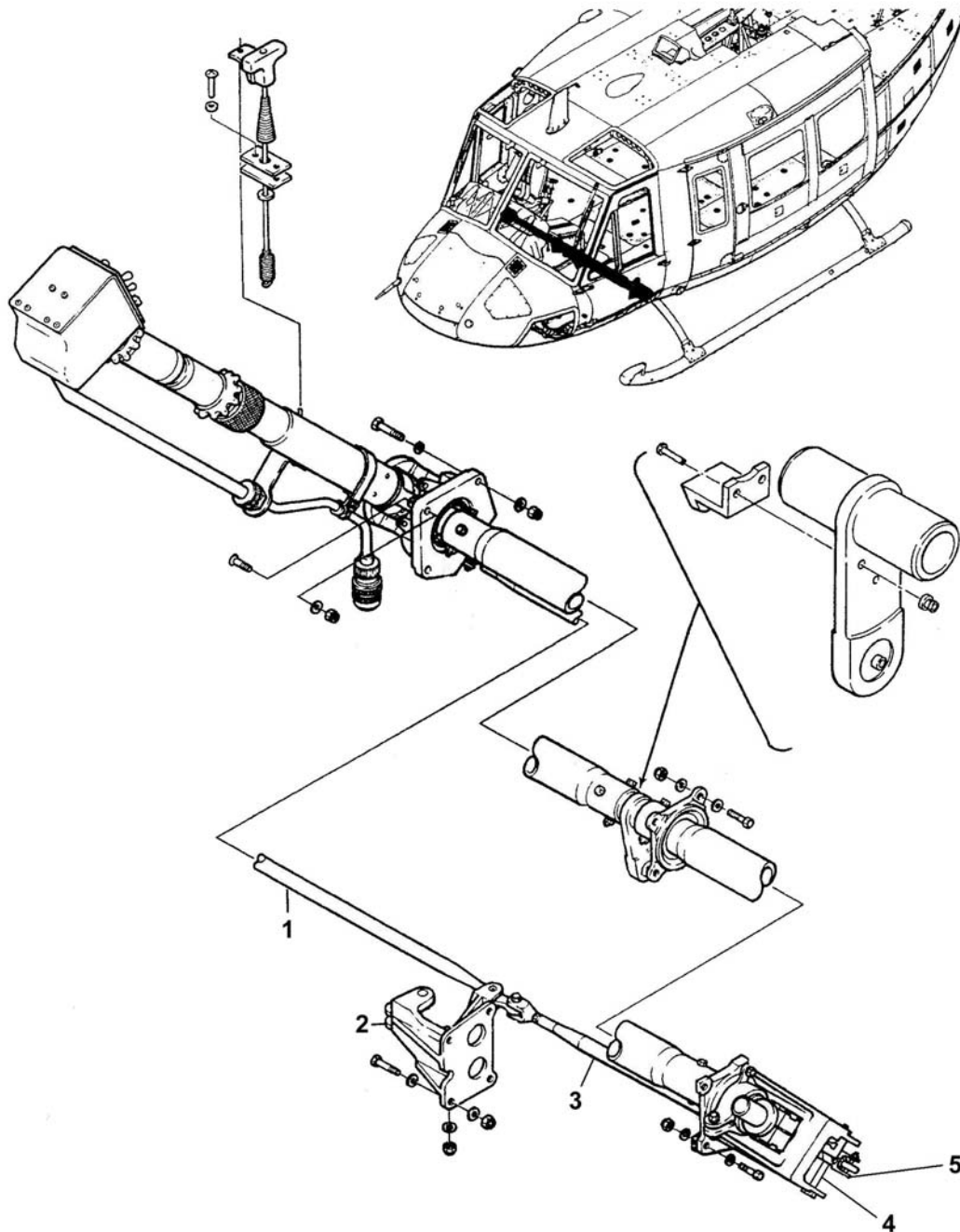


Figure 67-3 Collective Installation - Jackshaft



CHAPTER 67 – FLIGHT CONTROLS (67-00-00)

| Item Number | Part Number     | Item Name                | Unit per Assy. | UOC |
|-------------|-----------------|--------------------------|----------------|-----|
| Figure 67-3 |                 |                          |                |     |
| 1           | 212-001-062-001 | Tube Assembly (Ref)      | 1              |     |
| 2           | 212-001-126-005 | Bellcrank Assembly (Ref) | 1              |     |
| 3           | 212-001-062-001 | Tube Assembly (Ref)      | 1              |     |
| 4           | NAS43DD4-56     | Spacer                   | 1              |     |
| 5           | 212-001-111-001 | Gear Sector Assembly     | 1              |     |
|             |                 |                          |                |     |
|             |                 |                          |                |     |
|             |                 |                          |                |     |

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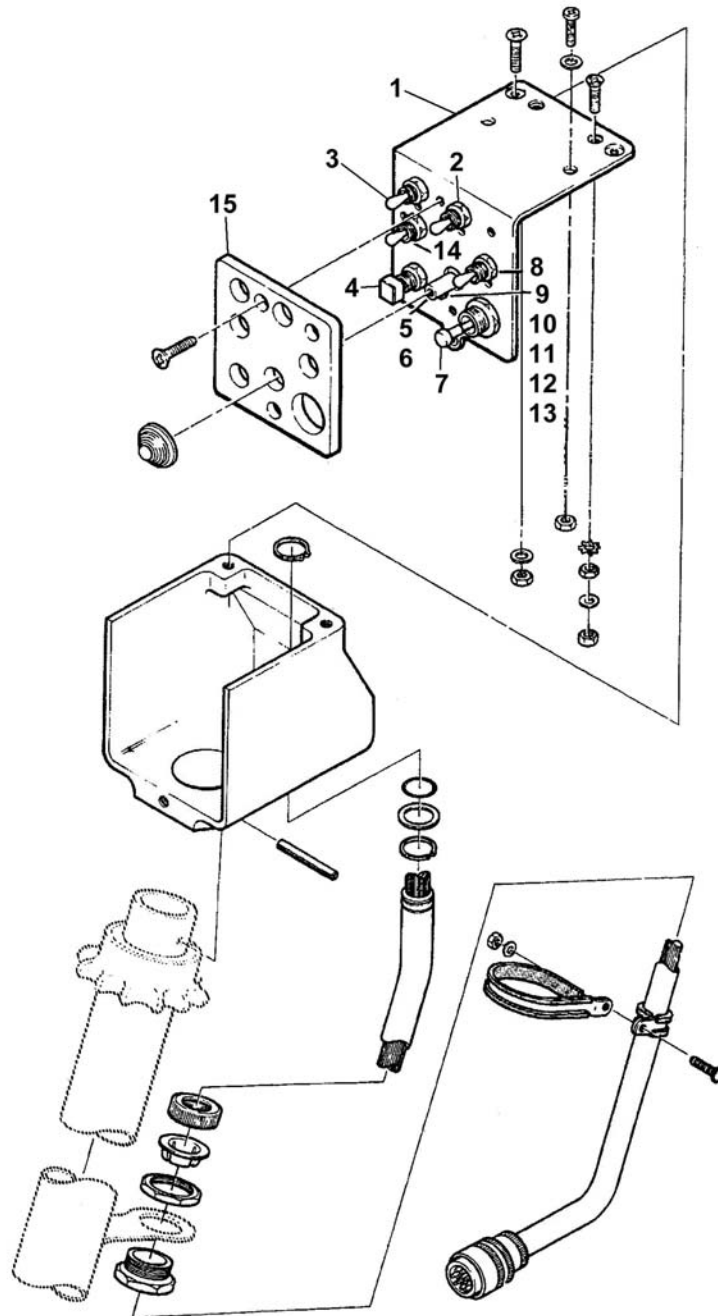
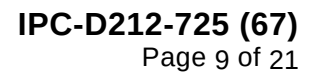


Figure 67-4 Collective Head Installation – Pilot

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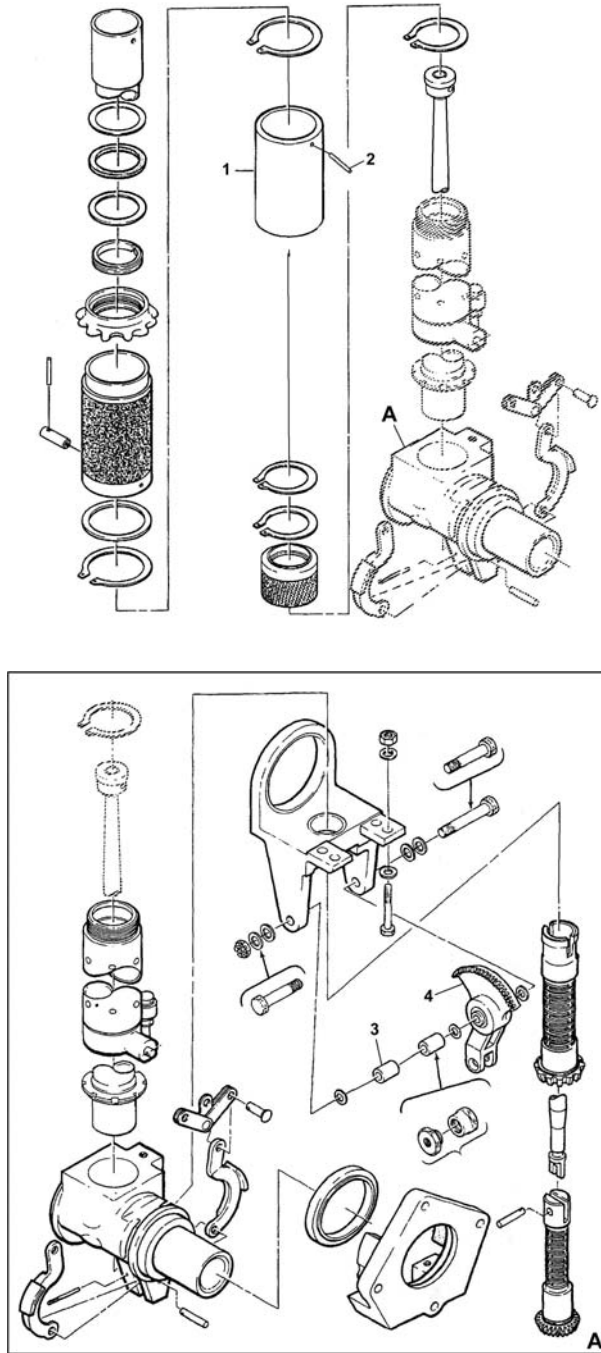


Figure 67-5 Collective Stick – Pilot



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| Item Number | Part Number     | Item Name            | Unit per Assy. | UOC |
|-------------|-----------------|----------------------|----------------|-----|
| Figure 67-5 |                 |                      |                |     |
| 1           | D212-725-1-025  | Spacer               | 1              |     |
| 2           | NAS561C4-24     | Pin                  | 1              | 1   |
| 3           | NAS44DD4-56     | Spacer               | 1              |     |
| 4           | 212-001-110-001 | Gear Sector Assembly | 1              |     |
|             |                 |                      |                |     |
|             |                 |                      |                |     |
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|             |                 |                      |                |     |

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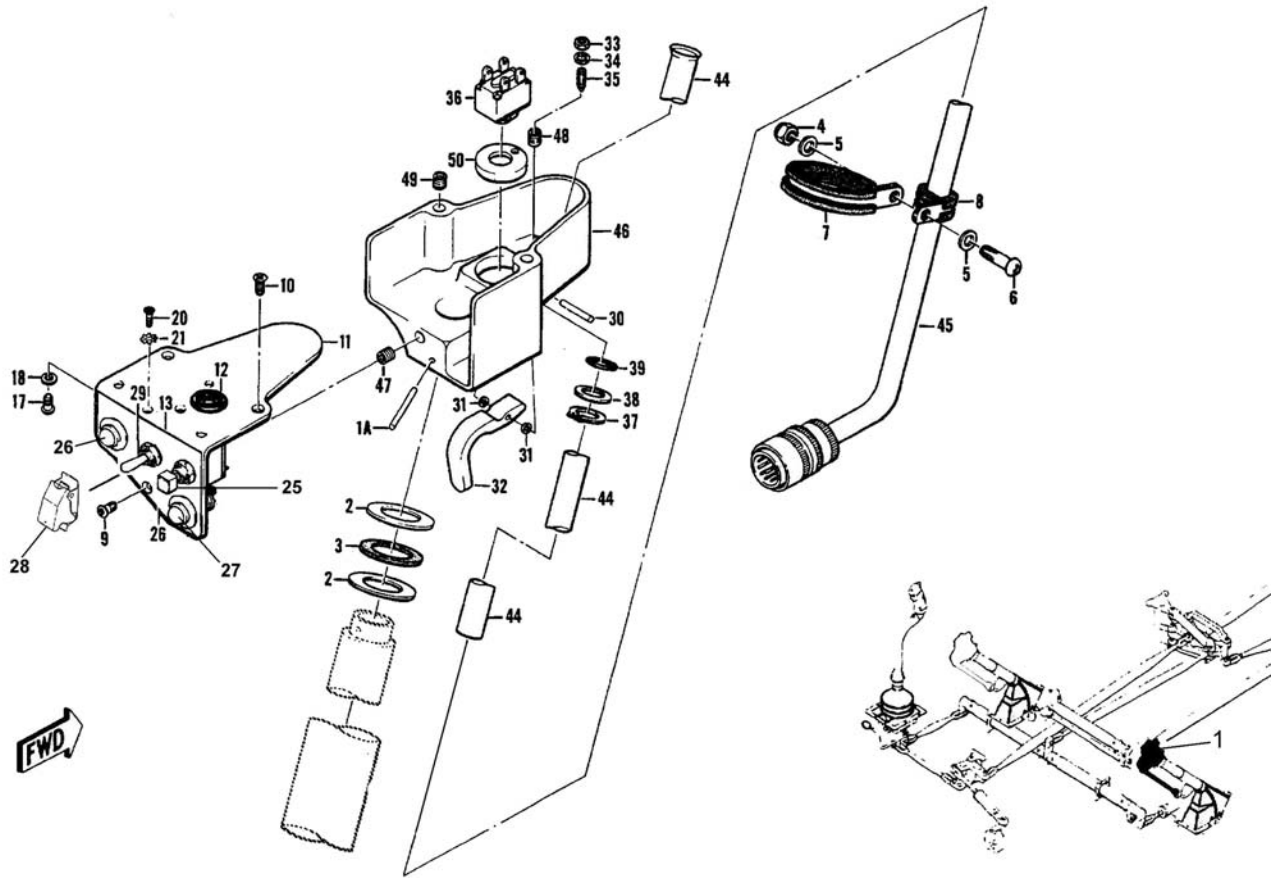


Figure 67-6 Collective Head Installation – Co-Pilot



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| Item Number | Part Number     | Item Name           | Unit per Assy. | UOC |
|-------------|-----------------|---------------------|----------------|-----|
| Figure 67-6 |                 |                     |                |     |
| 1           | 201-001-296-007 | Switch Box Assembly | 1              |     |
| 1A          | NAS561C6-24     | Pin                 | 1              |     |
| 2           | NAS1149F1632P   | Washer              | 2              |     |
| 3           | 204-001-156-001 | Washer              | 5              |     |
| 4           | MS21042L3       | Nut                 | 1              |     |
| 5           | NAS1149D0363J   | Washer              | 2              |     |
| 6           | MS35207-264     | Screw               | 1              |     |
| 7           | MS21919WDG28    | Clamp               | 1              |     |
| 8           | MS21919WDG5     | Clamp               | 1              |     |
| 9           | MS24693BB50     | Screw               | 1              |     |
| 10          | MS24693-BB73    | Screw               | 2              |     |
| 11          | 204-001-297-001 | Cover Assembly      | 1              |     |
| 12          | MS35489-9       | Grommet             | 1              |     |
| 13          | 204-001-286-001 | Nameplate           | 1              |     |
| 17          | MS35206-245     | Screw               | 3              |     |
| 18          | NAS1149DN832J   | Washer              | 3              |     |
| 20          | MS35198-17      | Screw               | 2              |     |
| 21          | MS35336-3       | Washer              | 2              |     |
| 25          | 120-0071-1      | Switch              | 1              |     |
| 26          | MS25089-3C      | Switch              | 1              |     |
| 27          | C100E2-39       | Switch              | 1              |     |
| 28          | MS25224-1       | Switch Guard        | 1              |     |
| 29          | MS24523-23      | Switch              | 1              |     |
| 30          | AN523-1-82      | Pin                 | 1              |     |
| 31          | NAS1149DN232J   | Washer              | 2              |     |
| 32          | 204-001-273-001 | Trigger             | 1              |     |
| 33          | MS35649-282     | Nut                 | 1              |     |
| 34          | 10W4-2          | Washer              | 1              |     |
| 35          | AN565F8H10      | Setscrew            | 1              |     |
| 36          | H20078          | Switch              | 1              |     |
| 36          | 2PB744T         | Switch              | 1              |     |
| 36          | 2PB744TZ        | Switch              | 1              |     |
| 37          | 5101-50MD       | Retainer            | 1              |     |
| 37          | MS16628-1050    | Retainer            | 1              |     |
| 38          | 204-001-251-001 | Washer              | 1              |     |
| 39          | M83461/1-112    | Packing, Preformed  | 1              |     |
| 44          | 204-001-250-001 | Conduit             | 1              |     |
| 45          | 204-075-423-003 | Cable Assembly      | 1              |     |
| 46          | 204-001-243-001 | Box Assembly        | 1              |     |
| 47          | MS122199        | Insert              | 1              |     |
| 48          | MS122079        | Insert              | 1              |     |



CHAPTER 67 – FLIGHT CONTROLS (67-00-00)

| Item Number | Part Number     | Item Name | Unit per Assy. | UOC |
|-------------|-----------------|-----------|----------------|-----|
| Figure 67-6 |                 |           |                |     |
| 49          | MS122240        | Insert    | 2              |     |
| 50          | 204-001-248-001 | Insert    | 1              |     |
|             |                 |           |                |     |
|             |                 |           |                |     |
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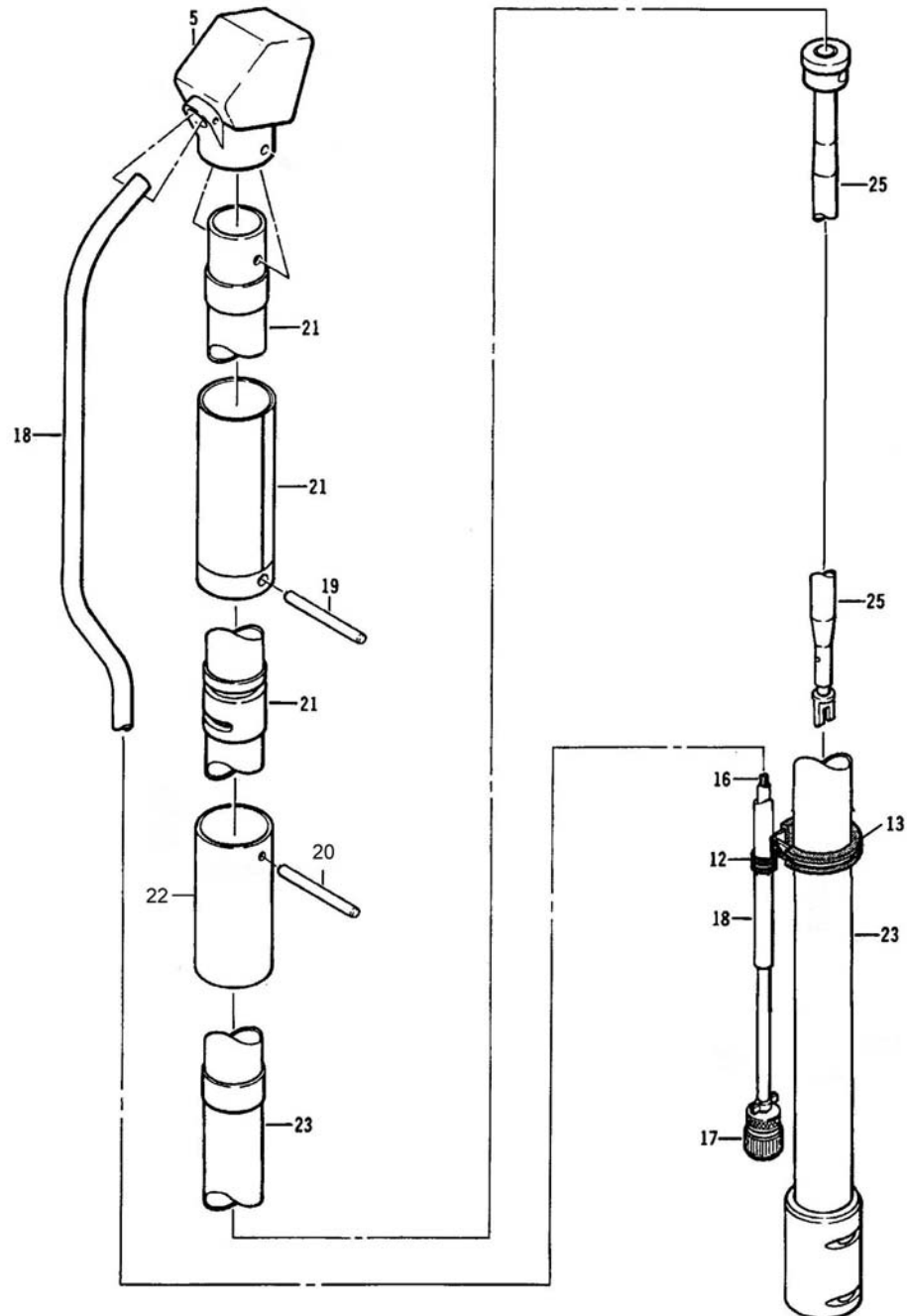


Figure 67-7 Collective Stick – Co-Pilot



CHAPTER 67 – FLIGHT CONTROLS (67-00-00)

| Item Number | Part Number     | Item Name                                          | Unit per Assy. | UOC |
|-------------|-----------------|----------------------------------------------------|----------------|-----|
| Figure 67-7 |                 |                                                    |                |     |
| 5           |                 | Collective Head (See Figure 67-6 for details)      | 1              |     |
| 12          | MS21919WDG5     | Clamp                                              | 1              |     |
| 13          | MS21919WDG28    | Clamp                                              | 1              |     |
| 16          | 204-075-423-003 | Cable Assembly                                     | 1              |     |
| 17          | MS3116E16-26B   | Connector                                          | 1              |     |
| 18          | 204-001-250-001 | Conduit                                            | 1              |     |
| 19          | 212-001-228-101 | Pin (Usable on 212-001-167-001)                    | 1              |     |
| 19          | 212-001-140-001 | Pin (Usable on 212-001-167-103 and -109)           | 1              |     |
| 20          | NAS561C4-24     | Pin                                                | 1              | 1   |
| 21          | 212-001-171-001 | Grip Assembly                                      | 1              |     |
| 22          | D212-725-1-027  | Spacer                                             | 1              |     |
| 23          | 212-001-170-001 | Stick Tube (Usable on 212-001-167-001)             | 1              |     |
| 23          | 212-001-170-101 | Stick Tube (Usable on 212-001-167-103)             | 1              |     |
| 23          | 212-001-170-103 | Stick Tube (Usable on 212-001-167-109)             | 1              |     |
| 25          | 212-001-166-005 | Tube Assembly (Usable on 212-001-167-001)          | 1              |     |
| 25          | 212-001-166-101 | Tube Assembly (Usable on 212-001-167-103 and -109) | 1              |     |
|             |                 |                                                    |                |     |
|             |                 |                                                    |                |     |
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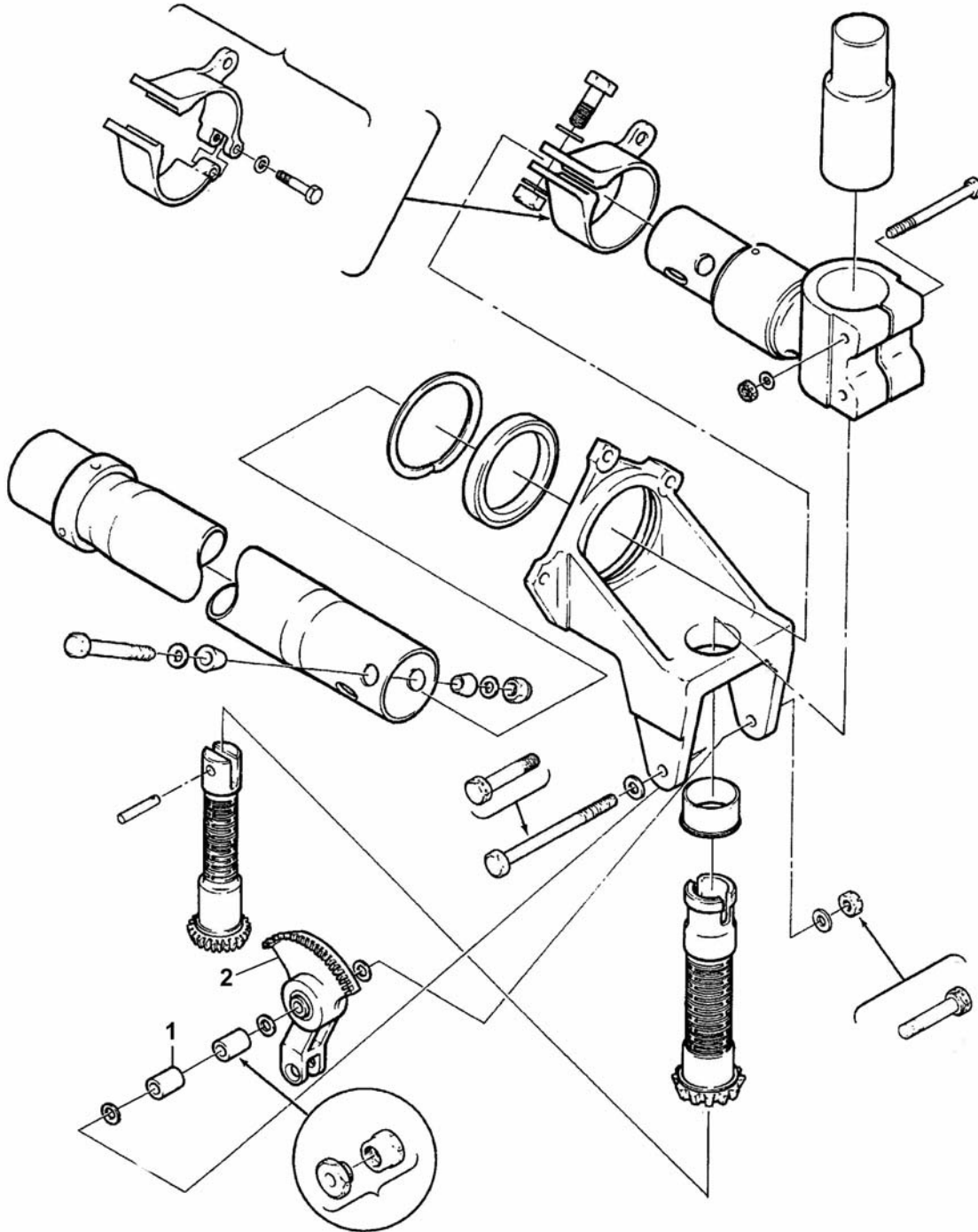


Figure 67-8 Elbow and Support Assembly – Co-Pilot

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| Item Number | Part Number     | Item Name            | Unit per Assy. | UOC |
|-------------|-----------------|----------------------|----------------|-----|
| Figure 67-8 |                 |                      |                |     |
| 1           | NAS43DD4-56     | Spacer               | 1              |     |
| 2           | 212-001-110-001 | Gear Sector Assembly | 1              |     |
|             |                 |                      |                |     |
|             |                 |                      |                |     |
|             |                 |                      |                |     |
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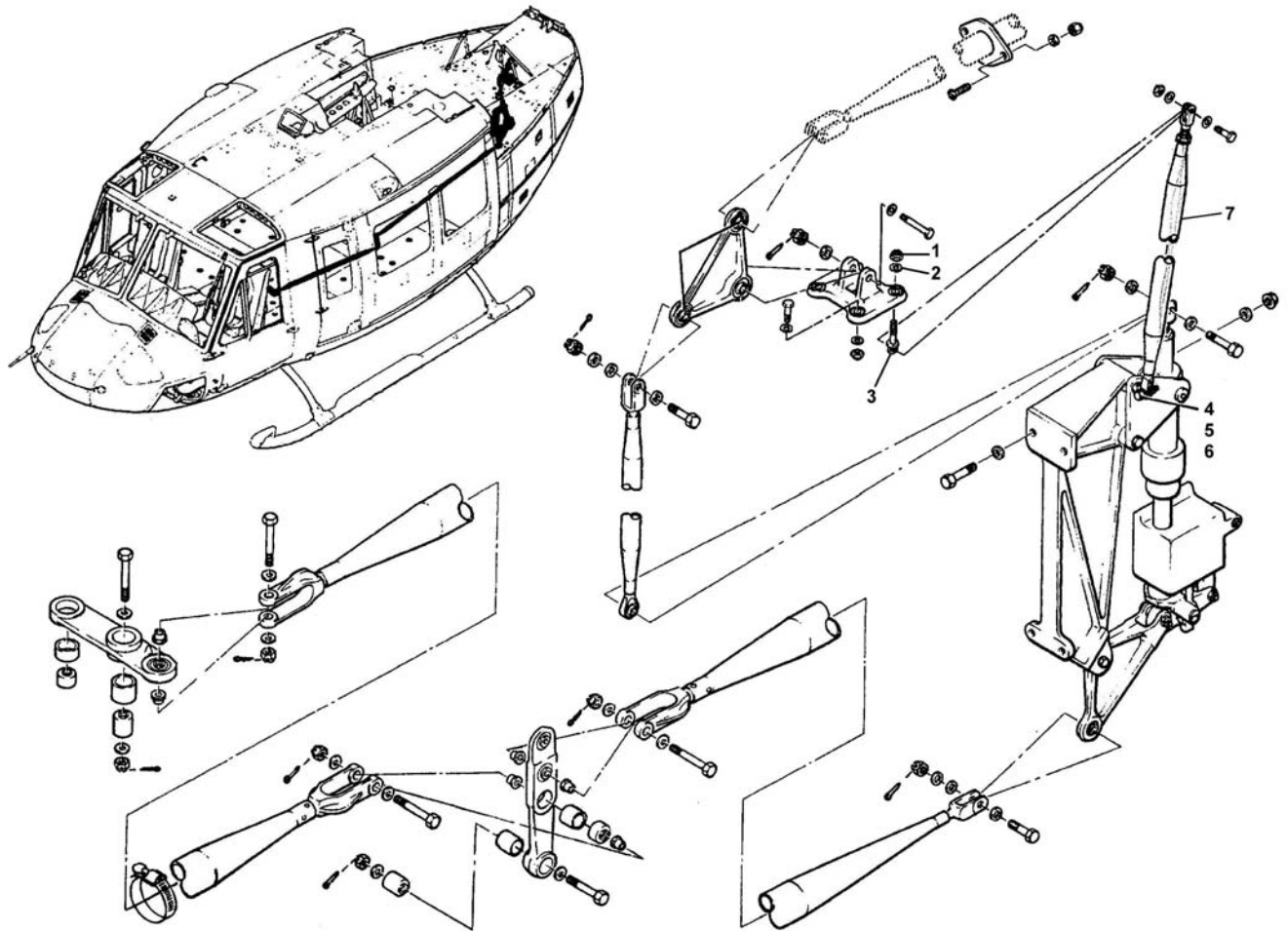


Figure 67-9 Control Installation, Anti-Torque  
(Aircraft s/n 30817, 30576, 30687, 30599 and 30931)



CHAPTER 67 – FLIGHT CONTROLS (67-00-00)

| Item Number | Part Number     | Item Name      | Unit per Assy. | UOC |
|-------------|-----------------|----------------|----------------|-----|
| Figure 67-9 |                 |                |                |     |
| 1           | MS21042L4       | Nut            | 1              |     |
| 2           | NAS1149D0463J   | Washer         | 2              |     |
| 3           | 205-001-767-001 | Eyebolt        | 1              |     |
| 4           | 205-001-767-003 | Eyebolt        | 1              |     |
| 5           | NAS1149D0463J   | Washer         | 2              |     |
| 6           | MS21042L4       | Nut            | 1              |     |
| 7           | 205-001-769-001 | Strut Assembly | 1              |     |
|             |                 |                |                |     |
|             |                 |                |                |     |
|             |                 |                |                |     |
|             |                 |                |                |     |

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CHAPTER 71 – POWER PLANT (71-00-00)

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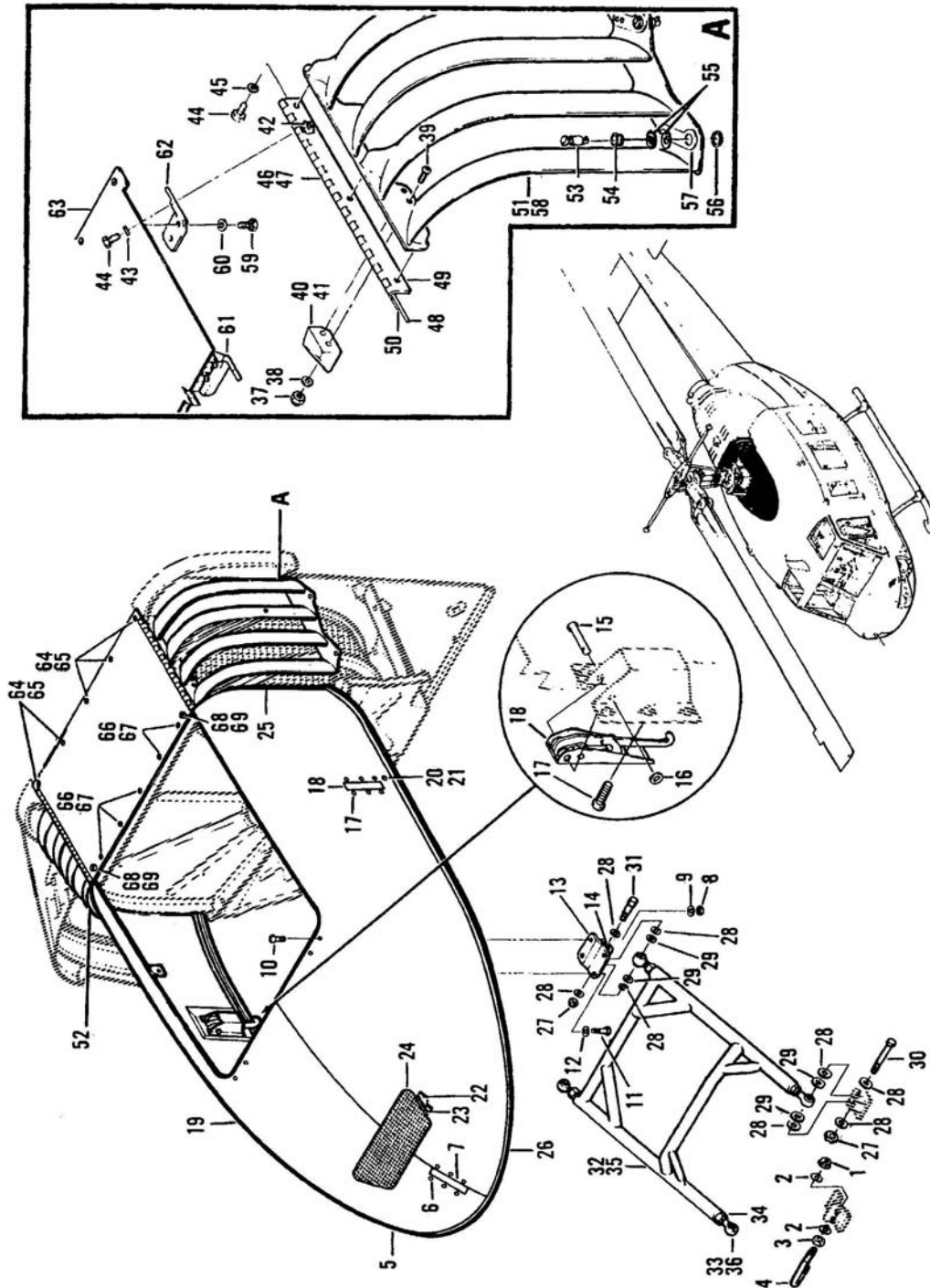


Figure 71-1 Cowl Installation

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CHAPTER 71 – POWER PLANT (71-00-00)

| Item Number | Part Number     | Item Name                                       | Unit per Assy. | UOC |
|-------------|-----------------|-------------------------------------------------|----------------|-----|
| Figure 71-1 |                 |                                                 |                |     |
| 1           | MS21042L3       | Nut                                             | 2              |     |
| 2           | NAS1197-10L     | Washer                                          | 4              |     |
| 3           | AN315C3R        | Nut                                             | 2              |     |
| 4           | 205-060-830-001 | U-Bolt                                          | 1              |     |
| 5           | 205-060-805-049 | Fairing Assembly, Transmission                  | 1              |     |
| 5           | 205-060-805-083 | Fairing Assembly, Transmission (Alternate Part) | 1              |     |
| 6           | AN525-832R7     | Screw                                           | 6              |     |
| 7           | 90-005-5        | Latch                                           | 1              |     |
| 8           | MS21042L3       | Nut                                             | 4              |     |
| 9           | NAS1197-10      | Washer                                          | 4              |     |
| 10          | AN525-10R9      | Screw                                           | 4              |     |
| 11          | NAS464P3A3      | Bolt                                            | 4              |     |
| 12          | NAS1197-10      | Washer                                          | 4              |     |
| 13          | 205-060-814-001 | Support Assembly, Forward Hinge, Engine Cowl    | 2              |     |
| 14          | 75B6B5-5-4      | Bushing                                         | 2              |     |
| 15          | MS20392-2S35    | Pin                                             | 2              |     |
| 16          | NAS1149D0332J   | Washer                                          | 2              |     |
| 17          | AN525-832R7     | Screw                                           | 12             |     |
| 18          | 90-029-1        | Latch                                           | 2              |     |
| 19          | 205-060-805-051 | Fairing Assembly, Transmission                  | 1              |     |
| 19          | 205-060-805-085 | Fairing Assembly, Transmission (Alternate Part) | 1              |     |
| 20          | MS27980-7B      | Stud                                            | 2              |     |
| 21          | MS27980-8B      | Eyelet                                          | 2              |     |
| 22          | 205-060-805-061 | Seal                                            | 1              |     |
| 23          | 205-060-805-057 | Doubler                                         | 1              |     |
| 24          | 205-060-805-059 | Screen                                          | 1              |     |
| 25          | 205-060-805-041 | Seal                                            | 1              |     |
| 26          | 205-060-805-039 | Seal                                            | 1              |     |
| 27          | AN320-4         | Nut                                             | 4              |     |
| 28          | NAS1197-416L    | Washer                                          | 16             |     |
| 29          | NAS1149F0432P   | Washer                                          | 8              |     |
| 30          | AN4-13          | Bolt                                            | 2              |     |
| 31          | AN4-16          | Bolt                                            | 2              |     |
| 32          | 205-060-804-001 | Hinge Assembly, Transmission Cowl, Forward      | 1              |     |
| 33          | 205-060-372-003 | Rod End                                         | 4              |     |
| 34          | AN316-7R        | Nut                                             | 4              |     |
| 35          | 205-060-804-003 | Frame Assembly                                  | 1              |     |
| 36          | 205-060-834-003 | Plug                                            | 4              |     |
| 37          | MS21042L3       | Nut                                             | 4              |     |
| 38          | NAS1149D0332J   | Washer                                          | 4              |     |
| 39          | MS24694-S50     | Screw                                           | 4              |     |
| 40          | 205-060-870-001 | Socket, LH                                      | 1              |     |



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| Item Number                                                                                | Part Number     | Item Name                                   | Unit per Assy. | UOC |
|--------------------------------------------------------------------------------------------|-----------------|---------------------------------------------|----------------|-----|
| Figure 71-1                                                                                |                 |                                             |                |     |
| 41                                                                                         | 205-060-870-002 | Socket, RH                                  | 1              |     |
| 42                                                                                         | MS21042L3       | Nut                                         | 4              |     |
| 43                                                                                         | NAS1197-10      | Washer                                      | 4              |     |
| 44                                                                                         | AN3-4A          | Bolt                                        | 10             |     |
| 45                                                                                         | NAS1149D0332J   | Washer                                      | 6              |     |
| 46                                                                                         | 205-060-871-007 | Hinge Assembly, Engine Air Inlet Louver, LH | 1              |     |
| 47                                                                                         | 205-060-871-008 | Hinge Assembly, Engine Air Inlet Louver, RH | 1              |     |
| 48                                                                                         | MS20253P2-118   | Pin                                         | 1              |     |
| 49                                                                                         | 205-060-871-009 | Hinge Half, Upper, LH                       | 1              |     |
| 49                                                                                         | 205-060-871-010 | Hinge Half, Upper, RH                       | 1              |     |
| 50                                                                                         | 205-060-871-011 | Hinge Half, Lower, LH                       | 1              |     |
| 50                                                                                         | 205-060-871-012 | Hinge Half, Lower, RH                       | 1              |     |
| 51                                                                                         | 205-060-865-003 | Louver Assembly, Engine Air Inlet, LH       | 1              |     |
| 52                                                                                         | 205-060-865-004 | Louver Assembly, Engine Air Inlet, RH       | 1              |     |
| 53                                                                                         | 40S5-11         | Stud                                        | 2              |     |
| 54                                                                                         | 4002-0          | Eyelet                                      | 2              |     |
| 55                                                                                         | NAS1149F0832P   | Washer (Note 1)                             | 4              |     |
| 56                                                                                         | 50-037-1        | Retainer                                    | 2              |     |
| 57                                                                                         | 205-060-869-001 | Spring, LH                                  | 2              |     |
| 57                                                                                         | 205-060-869-002 | Spring, RH                                  | 2              |     |
| 58                                                                                         | 205-060-864-001 | Louver, LH                                  | 1              |     |
| 58                                                                                         | 205-060-864-002 | Louver, RH                                  | 1              |     |
| 59                                                                                         | AN3-3A          | Bolt                                        | 8              |     |
| 60                                                                                         | NAS1197-10      | Washer                                      | 8              |     |
| 61                                                                                         | 205-060-872-002 | Bracket                                     | 2              |     |
| 61                                                                                         | D212-725-1-120  | Bracket (Alternate Part)                    | 2              |     |
| 62                                                                                         | 205-060-872-001 | Bracket                                     | 2              |     |
| 62                                                                                         | D212-725-1-119  | Bracket (Alternate Part)                    | 2              |     |
| 63                                                                                         | 205-060-873-001 | Panel Assembly                              | 1              |     |
| 64                                                                                         | 50-005A11       | Stud                                        | 5              |     |
| 65                                                                                         | GH5             | Grommet                                     | 5              |     |
| 66                                                                                         | 50-005A11       | Stud                                        | 5              |     |
| 67                                                                                         | GH5             | Grommet                                     | 5              |     |
| 68                                                                                         | MS27980-7B      | Stud                                        | 2              |     |
| 69                                                                                         | MS27980-8B      | Eyelet                                      | 2              |     |
| Note 1: Maximum quantity shown, refer to Eagle Single Maintenance Manual for specific fit. |                 |                                             |                |     |

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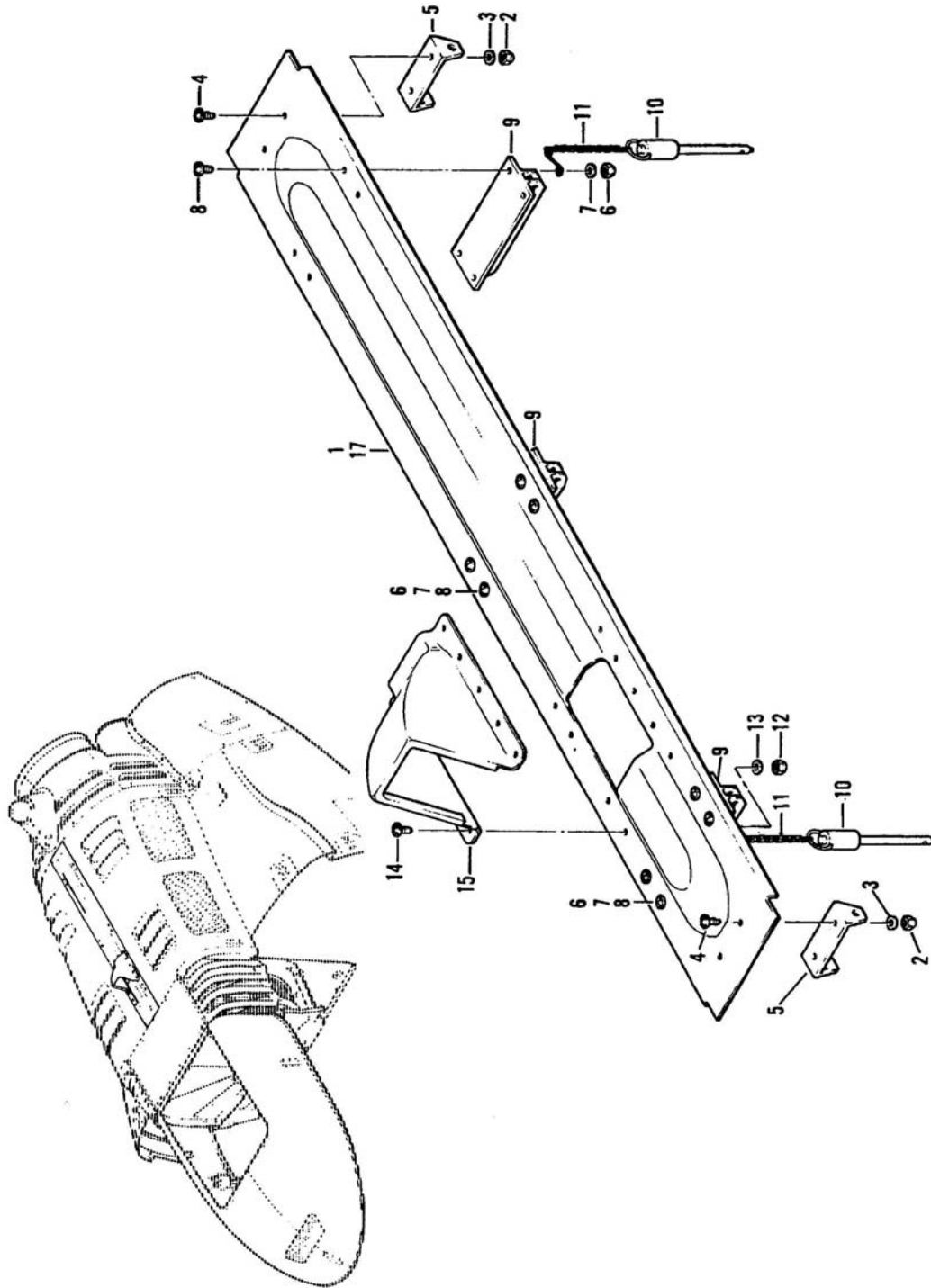


Figure 71-2 Cowl Installation

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| Item Number | Part Number     | Item Name      | Unit per Assy. | UOC |
|-------------|-----------------|----------------|----------------|-----|
| Figure 71-2 |                 |                |                |     |
| 1           | 205-060-801-015 | Beam Assembly  | 1              |     |
| 2           | MS21042L3       | Nut            | 4              |     |
| 3           | NAS1149D0332J   | Washer         | 4              |     |
| 4           | AN525-10R8      | Screw          | 4              |     |
| 5           | 205-060-837-001 | Fitting        | 2              |     |
| 6           | MS21042L3       | Nut            | 12             |     |
| 7           | NAS1149D0332J   | Washer         | 12             |     |
| 8           | AN525-10R6      | Screw          | 12             |     |
| 9           | 205-060-836-001 | Fitting        | 3              |     |
| 10          | NAS1354DS7S29   | Pin            | 2              |     |
| 11          | RS139-5         | Chain Assembly | 2              |     |
| 12          | MS21042L3       | Nut            | 5              |     |
| 13          | NAS1149D0332J   | Washer         | 5              |     |
| 14          | AN525-10R6      | Screw          | 9              |     |
| 15          | 205-060-883-001 | Scoop          | 1              |     |
| 17          | 205-060-801-017 | Beam           | 1              |     |
|             |                 |                |                |     |
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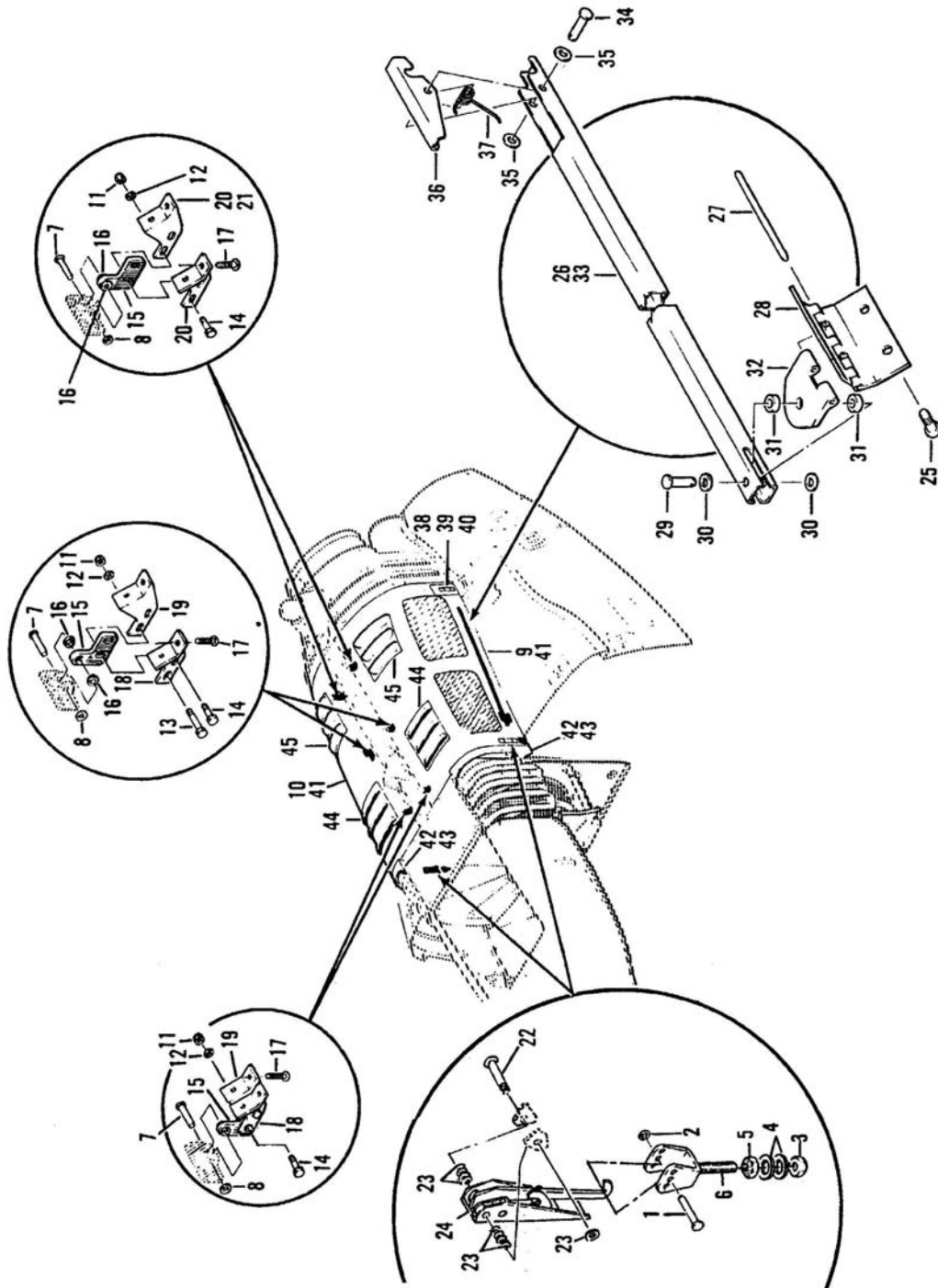


Figure 71-3 Cowl Installation



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| Item Number | Part Number     | Item Name                        | Unit per Assy. | UOC |
|-------------|-----------------|----------------------------------|----------------|-----|
| Figure 71-3 |                 |                                  |                |     |
| 1           | MS20392-2S31    | Pin                              | 2              |     |
| 2           | NAS1149D0332J   | Washer                           | 2              |     |
| 3           | MS21042L4       | Nut                              | 2              |     |
| 4           | NAS1149D0416J   | Washer                           | 4              |     |
| 5           | AN315C4R        | Nut                              | 2              |     |
| 6           | 205-060-863-001 | Fitting                          | 2              |     |
| 7           | MS20392-2S17    | Pin                              | 6              |     |
| 8           | NAS1149D0332J   | Washer                           | 6              |     |
| 9           | 205-060-807-083 | Cowl Assembly, Engine, Upper, LH | 1              |     |
| 10          | 205-060-807-084 | Cowl Assembly, Engine, Upper, RH | 1              |     |
| 11          | MS21042L3       | Nut                              | 6              |     |
| 12          | NAS1149D0332J   | Washer                           | 6              |     |
| 13          | AN3-10A         | Bolt                             | 1              |     |
| 14          | AN3-7A          | Bolt                             | 1              |     |
| 15          | 205-060-820-001 | Hinge Assembly                   | 3              |     |
| 16          | 22-005B11-9-14  | Bushing                          | 2              |     |
| 17          | AN525-10R9      | Screw                            | 12             |     |
| 18          | 205-060-818-001 | Fitting                          | 2              |     |
| 19          | 205-060-818-002 | Fitting                          | 2              |     |
| 20          | 205-060-819-001 | Fitting                          | 1              |     |
| 21          | 205-060-819-002 | Fitting                          | 1              |     |
| 22          | MS20392-2S41    | Pin                              | 1              |     |
| 23          | NAS1149D0332J   | Washer                           | 9              |     |
| 24          | 90-029-1        | Latch                            | 1              |     |
| 25          | AN525-10R9      | Screw                            | 4              |     |
| 26          | 205-060-802-001 | Brace Assembly                   | 1              |     |
| 27          | MS20253P2-7200  | Pin                              | 1              |     |
| 28          | 205-060-802-013 | Fitting                          | 2              |     |
| 29          | MS20392-2S19    | Pin                              | 1              |     |
| 30          | NAS1149C0332R   | Washer                           | 2              |     |
| 31          | NAS43DD3-8      | Spacer                           | 2              |     |
| 32          | 205-060-802-011 | Hinge                            | 1              |     |
| 33          | 205-060-802-003 | Brace Assembly                   | 1              |     |
| 34          | MS20392-1S17    | Pin                              | 1              |     |
| 35          | NAS1149CN416R   | Washer                           | 2              |     |
| 36          | 205-060-802-007 | Latch                            | 1              |     |
| 37          | 205-060-802-009 | Spring                           | 1              |     |
| 38          | MS20392-2S39    | Pin                              | 1              |     |
| 39          | NAS1149D0332J   | Washer                           | 1              |     |
| 40          | 90-029-1        | Latch                            | 1              |     |
| 41          | 205-060-807-082 | Cowl Assembly, Air Intake, LH    | 1              |     |
| 41          | 205-060-807-086 | Cowl Assembly, Air Intake, RH    | 1              |     |



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| Item Number | Part Number     | Item Name                      | Unit per Assy. | UOC |
|-------------|-----------------|--------------------------------|----------------|-----|
| Figure 71-3 |                 |                                |                |     |
| 42          | 205-060-849-009 | Scoop Assembly, Air Intake, LH | 1              |     |
| 42          | 205-060-849-010 | Scoop Assembly, Air Intake, RH | 1              |     |
| 43          | 205-060-807-081 | Seal                           | 1              |     |
| 44          | 205-060-807-013 | Louver Assembly, LH            | 1              |     |
| 44          | 205-060-807-014 | Louver Assembly, RH            | 1              |     |
| 45          | 205-060-807-015 | Louver Assembly, LH            | 1              |     |
| 45          | 205-060-807-016 | Louver Assembly, RH            | 1              |     |
|             |                 |                                |                |     |
|             |                 |                                |                |     |
|             |                 |                                |                |     |
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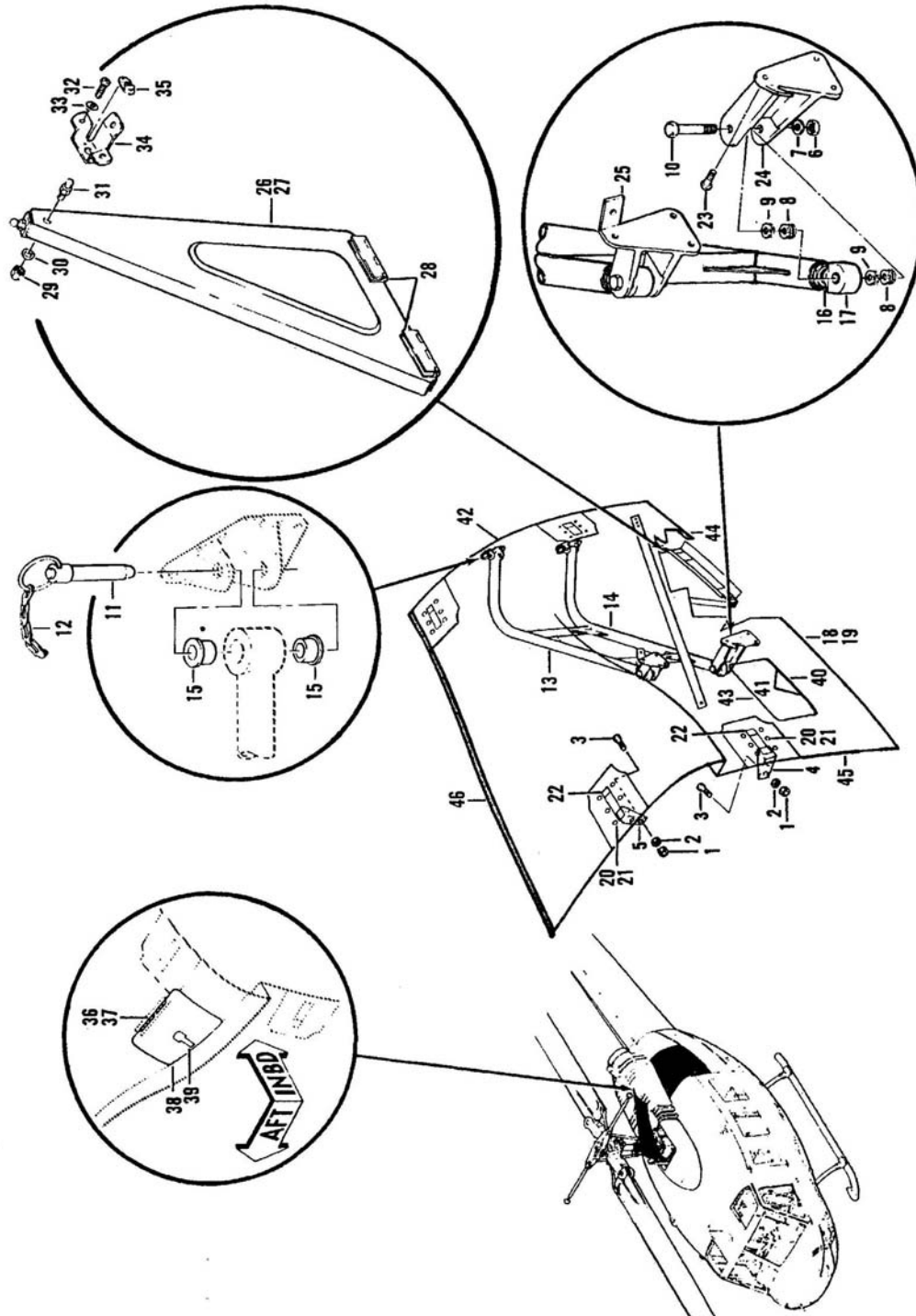


Figure 71-4 Cowl Installation



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| Item Number | Part Number     | Item Name                                | Unit per Assy. | UOC |
|-------------|-----------------|------------------------------------------|----------------|-----|
| Figure 71-4 |                 |                                          |                |     |
| 1           | MS21042L3       | Nut                                      | 8              |     |
| 2           | NAS1149D0332J   | Washer                                   | 8              |     |
| 3           | AN3-6A          | Bolt                                     | 8              |     |
| 4           | 205-060-821-003 | Fitting                                  | 2              |     |
| 5           | 205-060-821-001 | Fitting                                  | 2              |     |
| 6           | AN320-4         | Nut                                      | 4              |     |
| 7           | NAS1149D0416J   | Washer (Note 1)                          | 4              |     |
| 8           | NAS1149F0432P   | Washer (Note 1)                          | 24             |     |
| 9           | NAS1149F0463P   | Washer (Note 1)                          | 16             |     |
| 10          | AN4-17          | Bolt                                     | 4              |     |
| 11          | NAS1354D-S7S15  | Pin                                      | 4              |     |
| 12          | NAS1455B00-(*)  | Chain                                    | 4              |     |
| 13          | 205-060-843-001 | Hinge Assembly, Lower Engine Cowl, Upper | 2              |     |
| 14          | 205-060-843-003 | Weld Assembly                            | 1              |     |
| 15          | 22-006B15-32-16 | Bushing                                  | 4              |     |
| 16          | AN316-9R        | Nut                                      | 2              |     |
| 17          | 205-060-372-001 | Rod End                                  | 2              |     |
| 18          | 205-060-826-133 | Cowl Assembly, Lower, LH                 | 1              |     |
| 19          | 205-060-826-134 | Cowl Assembly, Lower, RH                 | 1              |     |
| 20          | AN525-832R6     | Screw                                    | 24             |     |
| 21          | NAS1149DN832J   | Washer                                   | 24             |     |
| 22          | 90-005-5        | Latch                                    | 4              |     |
| 23          | AN525-10R10     | Screw                                    | 8              |     |
| 24          | 205-060-855-001 | Support Hinge, LH                        | 1              |     |
| 24          | 205-060-855-002 | Support Hinge, RH                        | 1              |     |
| 25          | 205-060-856-001 | Support Hinge, LH                        | 1              |     |
| 25          | 205-060-856-002 | Support Hinge, RH                        | 1              |     |
| 26          | 205-060-860-011 | Support Assembly, LH                     | 1              |     |
| 26          | 205-060-860-012 | Support Assembly, RH                     | 1              |     |
| 27          | 205-060-860-013 | Support Assembly, LH                     | 1              |     |
| 27          | 205-060-860-014 | Support Assembly, RH                     | 1              |     |
| 28          | MS20253P2-250   | Pin                                      | 2              |     |
| 29          | MS21042L06      | Nut                                      | 1              |     |
| 30          | NAS1149DN632J   | Washer                                   | 1              |     |
| 31          | P116-499-10-495 | Stud                                     | 1              |     |
| 32          | AN525-10R8      | Screw                                    | 3              |     |
| 33          | NAS1149D0332J   | Washer                                   | 3              |     |
| 34          | 205-060-862-001 | Bracket Assembly                         | 1              |     |
| 35          | 50-031-1        | Fastener                                 | 1              |     |
| 36          | MS20253P2-387   | Pin                                      | 1              |     |
| 37          | 204-060-887-001 | Spring (Usable on 205-060-826-134)       | 1              |     |



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| Item Number | Part Number     | Item Name                                     | Unit per Assy. | UOC |
|-------------|-----------------|-----------------------------------------------|----------------|-----|
| Figure 71-4 |                 |                                               |                |     |
| 38          | 205-060-826-015 | Door Assembly (Usable on 205-060-826-134)     | 1              |     |
| 39          | 90-015-064-091  | Latch                                         | 1              |     |
| 40          | MS20253P2-538   | Pin                                           | 1              |     |
| 41          | 204-060-869-001 | Spring                                        | 2              |     |
| 42          | 205-060-826-011 | Cowl Assembly, LH                             | 1              |     |
| 42          | 205-060-826-109 | Cowl Assembly, RH                             | 1              |     |
| 43          | 205-060-826-013 | Door Assembly, LH                             | 1              |     |
| 43          | 205-060-826-014 | Door Assembly, RH (Usable on 205-060-826-012) | 1              |     |
| 43          | 205-060-826-115 | Door Assembly, RH (Usable on 205-060-826-109) | 1              |     |
| 44          | 205-060-826-083 | Gasket                                        | 1              |     |
| 45          | 205-060-826-085 | Gasket                                        | 1              |     |
| 46          | 205-060-826-081 | Seal                                          | 1              |     |
|             |                 |                                               |                |     |
|             |                 |                                               |                |     |
|             |                 |                                               |                |     |
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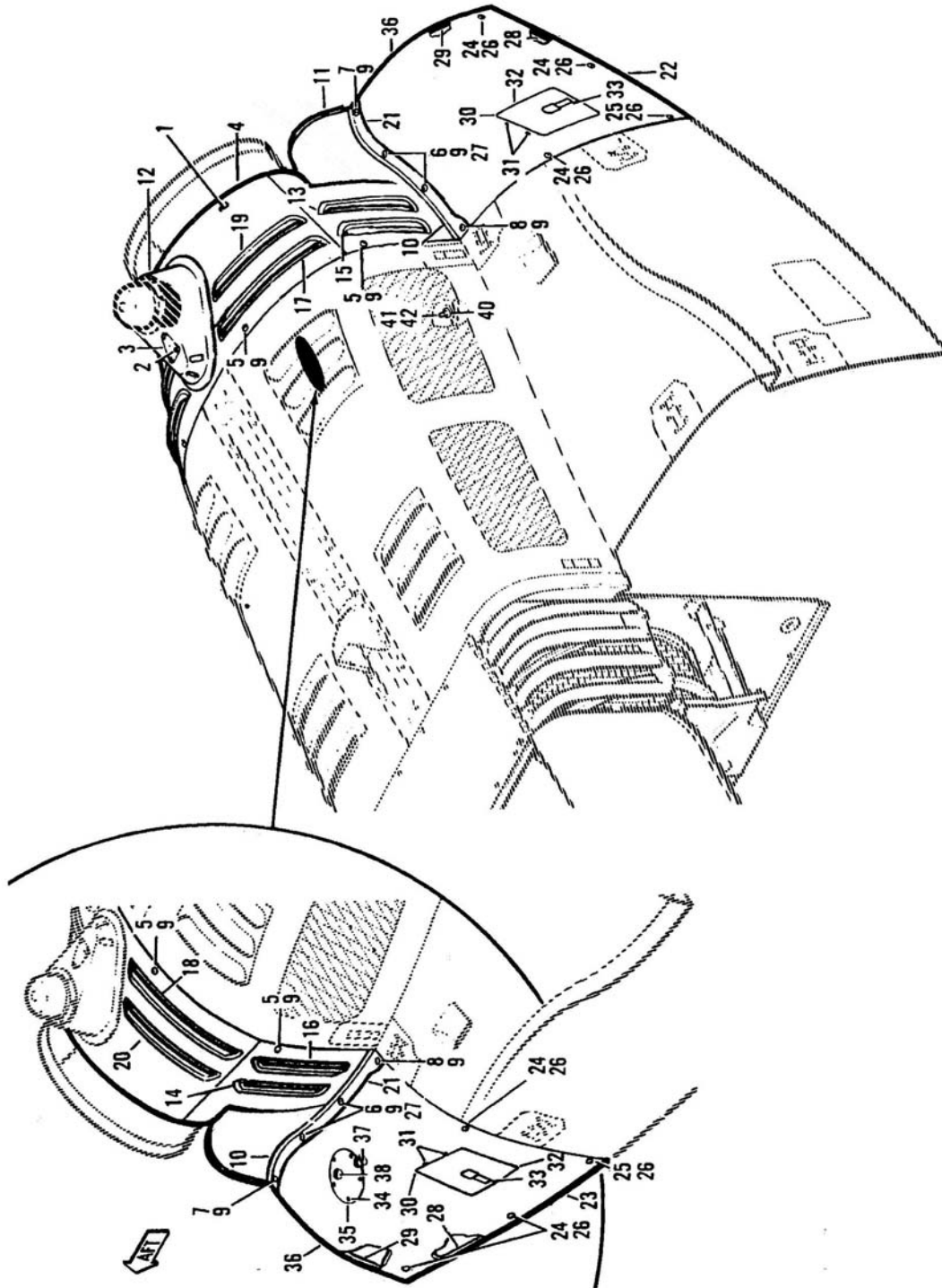


Figure 71-5 Cowl Installation



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| Item Number | Part Number     | Item Name                              | Unit per Assy. | UOC |
|-------------|-----------------|----------------------------------------|----------------|-----|
| Figure 71-5 |                 |                                        |                |     |
| 1           | 205-060-877-057 | Fairing Assembly, Tail Pipe, Upper     | 1              |     |
| 2           | MS35206-245     | Screw                                  | 3              |     |
| 3           | 205-060-877-055 | Plate                                  | 1              |     |
| 4           | 205-060-877-075 | Fairing Assembly                       | 1              |     |
| 5           | 50-005A17       | Stud                                   | 4              |     |
| 6           | 50-005A17       | Stud                                   | 4              |     |
| 7           | 50-005A20       | Stud                                   | 2              |     |
| 8           | A5T25           | Fastener                               | 2              |     |
| 9           | GH5             | Grommet                                | 12             |     |
| 10          | 205-060-877-043 | Strip                                  | 2              |     |
| 11          | 205-060-877-047 | Strip                                  | 1              |     |
| 12          | 205-060-803-001 | Support                                | 1              |     |
| 13          | 205-060-877-035 | Louver, LH                             | 1              |     |
| 14          | 205-060-877-036 | Louver, RH                             | 1              |     |
| 15          | 205-060-877-037 | Louver                                 | 1              |     |
| 16          | 205-060-877-038 | Louver                                 | 1              |     |
| 17          | 205-060-877-039 | Louver                                 | 1              |     |
| 18          | 205-060-877-040 | Louver                                 | 1              |     |
| 19          | 205-060-877-041 | Louver                                 | 1              |     |
| 20          | 205-060-877-042 | Louver                                 | 1              |     |
| 21          | 205-060-877-043 | Strip, Chafe                           | 1              |     |
| 22          | 205-060-810-039 | Fairing Assembly, Tail Pipe, Lower, LH | 1              |     |
| 23          | 205-060-810-002 | Fairing Assembly, Tail Pipe, Lower, RH | 1              |     |
| 24          | 50-005A17       | Stud                                   | 3              |     |
| 25          | 50-005A20       | Stud                                   | 1              |     |
| 26          | GH5             | Grommet                                | 4              |     |
| 27          | 50-008RF5       | Receptacle                             | 2              |     |
| 28          | 205-060-810-033 | Strip, Chafe                           | 1              |     |
| 29          | 205-060-810-035 | Strip, Chafe                           | 1              |     |
| 30          | AN523-2-600     | Pin                                    | 1              |     |
| 31          | 204-060-887-001 | Spring                                 | 2              |     |
| 32          | 205-060-810-015 | Door Assembly, LH                      | 1              |     |
| 32          | 205-060-810-016 | Door Assembly, RH                      | 1              |     |
| 33          | H5000-032-064   | Latch                                  | 1              |     |
| 34          | AN525-832R8     | Screw (Usable on 205-060-810-002)      | 5              |     |
| 35          | 205-060-810-031 | Cover (Usable on 205-060-810-002)      | 1              |     |
| 36          | 205-060-810-041 | Fairing Assembly, LH                   | 1              |     |
| 36          | 205-060-810-004 | Fairing Assembly, RH                   | 1              |     |
| 37          | 205-060-810-029 | Retainer (Usable on 205-060-810-004)   | 1              |     |
| 38          | 205-060-810-027 | Seal (Usable on 205-060-810-004)       | 1              |     |
| 39          | 205-060-881-001 | Shield Assembly, Tail Pipe             | 1              |     |
| 40          | AN924-4         | Nut                                    | 1              |     |

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| Item Number | Part Number     | Item Name  | Unit per Assy. | UOC |
|-------------|-----------------|------------|----------------|-----|
| Figure 71-5 |                 |            |                |     |
| 41          | NAS1149C0763R   | Washer     | 1              |     |
| 42          | AN833-4         | Elbow      | 1              |     |
| 48          | 205-060-881-015 | Gasket, LH | 1              |     |
| 49          | 205-060-881-021 | Gasket, RH | 1              |     |
|             |                 |            |                |     |
|             |                 |            |                |     |
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CHAPTER 71 – POWER PLANT (71-00-00)

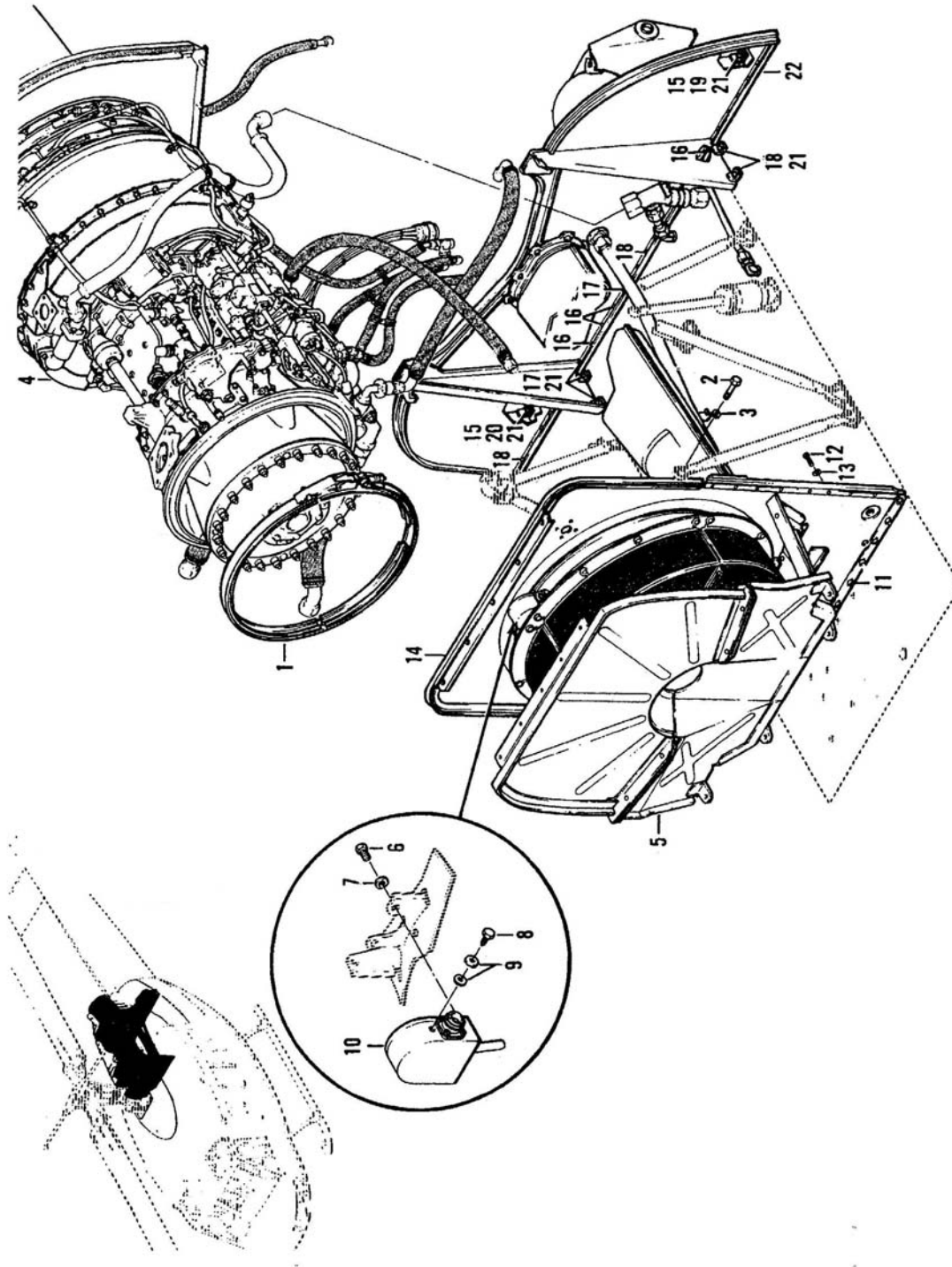


Figure 71-6 Power Plant Installation



CHAPTER 71 – POWER PLANT (71-00-00)

| Item Number | Part Number     | Item Name                                                                | Unit per Assy. | UOC |
|-------------|-----------------|--------------------------------------------------------------------------|----------------|-----|
| Figure 71-6 |                 |                                                                          |                |     |
| 1           | S4409-1950M     | Coupling                                                                 | 1              |     |
| 1           | 53418C1950M     | Coupling (Alternate Part)                                                | 1              |     |
| 2           | 204-060-133-001 | Bolt                                                                     | 1              |     |
| 3           | NAS1149F0632P   | Washer                                                                   | 1              |     |
| 4           | T53-17A         | Engine Assembly                                                          | 1              |     |
| 4           | T53-17B         | Engine Assembly (Alternate Part)                                         | 1              |     |
| 4           | T53-17BCV       | Engine Assembly (Alternate Part)                                         |                |     |
| 5           | 205-060-205-117 | Baffle Assembly, Induction (See Figure 71-12 thru 71-14 for breakdown)   | 1              |     |
| 5           | 205-060-205-135 | Baffle Assembly, Induction (See Figure 71-12 thru 71-14 for breakdown)   | 1              |     |
| 6           | AN4H3A          | Bolt                                                                     | 3              |     |
| 7           | NAS1149F0432P   | Washer                                                                   | 3              |     |
| 8           | AN4H3A          | Bolt                                                                     | 1              |     |
| 9           | NAS1149F0432P   | Washer                                                                   | 2              |     |
| 10          | 831-0100        | Detector Assembly, Ice                                                   | 1              |     |
| 11          | MS51958-62      | Screw                                                                    | 11             |     |
| 12          | AN525-10R9      | Screw                                                                    | 18             |     |
| 13          | NAS1149F0332P   | Washer                                                                   | 18             |     |
| 14          | 205-060-908-095 | Firewall Assembly, Forward (See Figure 71-12 thru 71-14 for breakdown)   | 1              |     |
| 14          | 205-060-908-071 | Firewall Assembly, Forward (See Figure 71-12 thru 71-14 for breakdown)   | 1              |     |
| 14          | 205-060-908-131 | Firewall Assembly, Forward (See Figure 71-12 thru 71-14 for breakdown)   | 1              |     |
| 15          | MS51958-62      | Screw                                                                    | 12             |     |
| 16          | AN526C1032R12   | Screw                                                                    | 4              |     |
| 17          | MS51958-64      | Screw                                                                    | 7              |     |
| 18          | MS51958-63      | Screw                                                                    | 24             |     |
| 19          | NAS1149CN632R   | Washer                                                                   | 4              |     |
| 20          | NAS1149C0332R   | Washer                                                                   | 4              |     |
| 21          | 120-008C23E7    | Shim                                                                     | 16             |     |
| 22          | 205-060-907-061 | Firewall Assembly, Lower Aft (See Figure 71-12 thru 71-14 for breakdown) | 1              |     |
|             |                 |                                                                          |                |     |
|             |                 |                                                                          |                |     |

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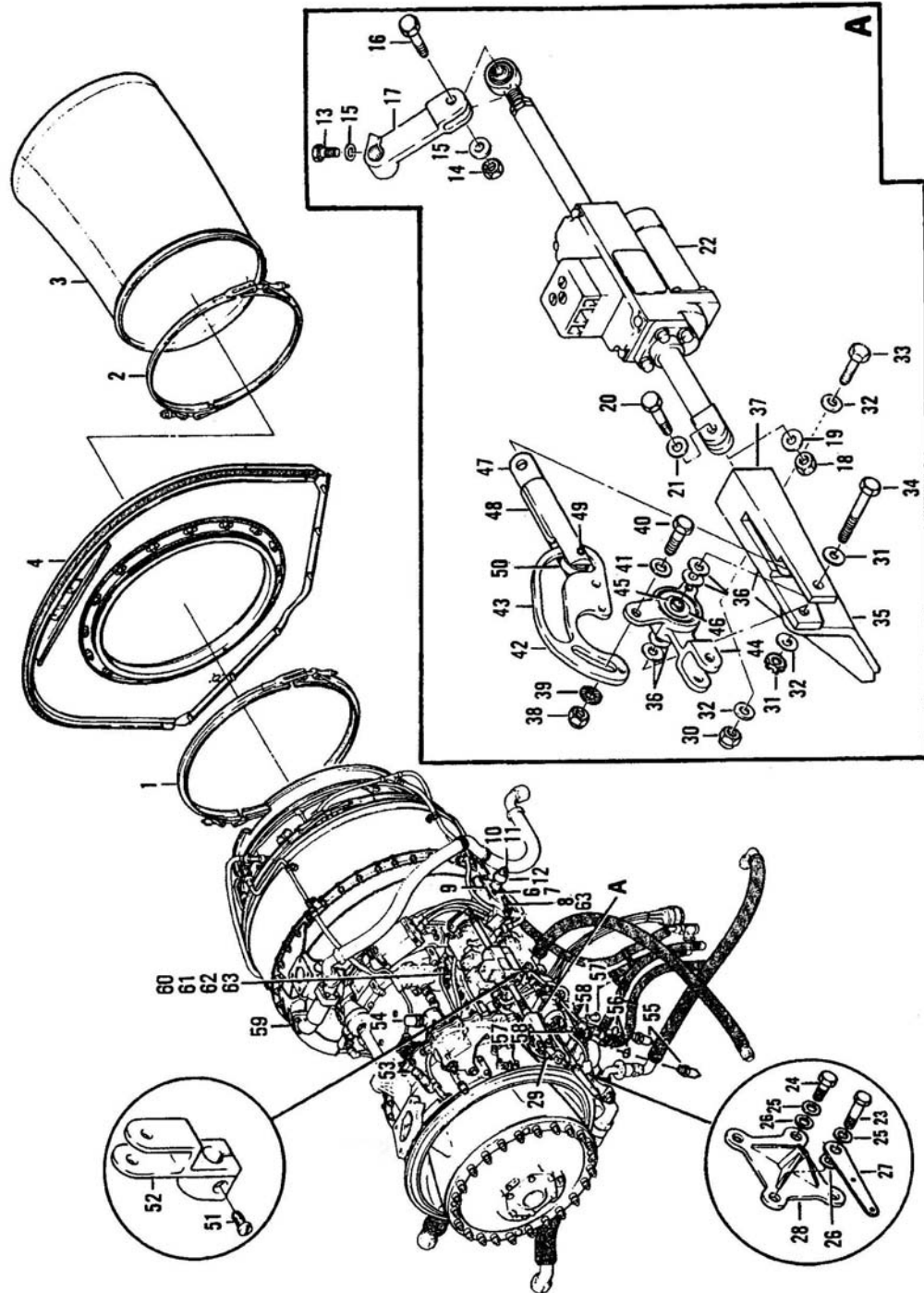


Figure 71-7 Engine Assembly



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| Item Number | Part Number     | Item Name                                                     | Unit per Assy. | UOC |
|-------------|-----------------|---------------------------------------------------------------|----------------|-----|
| Figure 71-7 |                 |                                                               |                |     |
| 1           | 19131-1812M     | Clamp                                                         | 1              |     |
| 1           | 5218SS1812      | Clamp (Alternate Part)                                        | 1              |     |
| 2           | 19131-1537M     | Clamp                                                         | 1              |     |
| 2           | 5218SS1537      | Clamp (Alternate Part)                                        | 1              |     |
| 3           | 204-060-302-013 | Tailpipe Assembly                                             | 1              |     |
| 4           | 205-060-909-025 | Firewall Assembly (See Figure 71-12 thru 71-14 for breakdown) | 1              |     |
| 4           | 205-060-909-045 | Firewall Assembly (See Figure 71-12 thru 71-14 for breakdown) | 1              |     |
| 6           | AN6CH6A         | Bolt                                                          | 4              |     |
| 7           | NAS1149C0632R   | Washer                                                        | 4              |     |
| 8           | 205-060-020-003 | Bracket                                                       | 1              |     |
| 9           | 204-060-152-001 | Fitting                                                       | 1              |     |
| 10          | MS21043-6       | Nut                                                           | 1              |     |
| 11          | NAS1149C0663R   | Washer                                                        | 1              |     |
| 12          | 204-061-100-001 | Bearing                                                       | 1              |     |
| 13          | AN3CH5A         | Bolt                                                          | 1              |     |
| 14          | AN320C3         | Nut                                                           | 1              |     |
| 15          | NAS1149C0363R   | Washer                                                        | 2              |     |
| 16          | NAS1003-10      | Bolt                                                          | 1              |     |
| 17          | 204-060-765-007 | Lever                                                         | 1              |     |
| 18          | AN320C4         | Nut                                                           | 1              |     |
| 19          | NAS1149C0463R   | Washer                                                        | 1              |     |
| 20          | AN174-6         | Bolt                                                          | 1              |     |
| 21          | 3539-14-02      | Washer                                                        | 1              |     |
| 22          | 204-060-762-001 | Actuator, Motor, Governor RPM                                 | 1              |     |
| 23          | AN8CH10A        | Bolt                                                          | 2              |     |
| 24          | AN8CH6A         | Bolt                                                          | 2              |     |
| 25          | NAS1149F0832P   | Washer                                                        | 4              |     |
| 26          | NAS1149F0863P   | Washer                                                        | 2              |     |
| 27          | 205-060-020-007 | Support                                                       | 1              |     |
| 28          | 204-060-161-001 | Trunnion                                                      | 1              |     |
| 29          | 204-060-787-009 | Cambox Assembly                                               | 1              |     |
| 30          | MS21042L3       | Nut                                                           | 1              |     |
| 31          | AN320-3         | Nut                                                           | 1              |     |
| 32          | NAS1149D0363J   | Washer                                                        | 4              |     |
| 33          | AN173-7A        | Bolt                                                          | 1              |     |
| 34          | AN173-15        | Bolt                                                          | 1              |     |
| 35          | 204-060-786-001 | Bracket                                                       | 1              |     |
| 36          | 120-008C11-7    | Shim                                                          | 4              |     |
| 37          | 204-060-778-001 | Housing                                                       | 1              |     |



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| Item Number | Part Number     | Item Name                                      | Unit per Assy. | UOC |
|-------------|-----------------|------------------------------------------------|----------------|-----|
| Figure 71-7 |                 |                                                |                |     |
| 38          | MS21042L3       | Nut                                            | 3              |     |
| 39          | 140-027-1D      | Washer                                         | 1              |     |
| 40          | AN173-6A        | Bolt                                           | 1              |     |
| 41          | NAS1149D0363J   | Washer                                         | 1              |     |
| 42          | 204-060-787-005 | Cambox Assembly                                | 1              |     |
| 43          | 204-061-705-001 | Cam                                            | 1              |     |
| 44          | 204-060-779-001 | Bellcrank                                      | 1              |     |
| 45          | MS27644-3       | Bearing                                        | 1              |     |
| 46          | 120-014-3A      | Sleeve                                         | 1              |     |
| 47          | 204-060-783-007 | Slider Assembly                                | 1              |     |
| 48          | 204-060-782-001 | Key                                            | 1              |     |
| 49          | 204-060-785-001 | Pin                                            | 1              |     |
| 50          | MS27641-3       | Bearing                                        | 1              |     |
| 51          | MS35276-264     | Screw                                          | 1              |     |
| 52          | 204-060-729-001 | Arm                                            | 1              |     |
| 53          | 7G33-1          | Switch                                         | 1              |     |
| 54          | 22A554          | Tach Generator, Power Turbine                  | 1              |     |
| 54          | AG34            | Tach Generator, Power Turbine (Alternate Part) | 1              |     |
| 54          | 32005-005       | Tach Generator, Power Turbine (Alternate Part) | 1              |     |
| 54          | 2CM12AAA        | Tach Generator, Power Turbine (Alternate Part) | 1              |     |
| 55          | 1103P217        | Switch                                         | 2              |     |
| 56          | MS29512-04      | Packing, Preformed                             | 2              |     |
| 57          | AN814-4JL       | Plug                                           | 2              |     |
| 58          | M83248/1-904    | Packing, Preformed                             | 2              |     |
| 59          | T5317-A/B/BCV   | Engine                                         | 1              |     |
| 60          | MS21042L3       | Nut                                            | 2              |     |
| 61          | NAS11490332J    | Washer                                         | 2              |     |
| 62          | MS35207-262     | Screw                                          | 2              |     |
| 63          | 20-032-1        | Bracket                                        | 6              |     |
|             |                 |                                                |                |     |
|             |                 |                                                |                |     |
|             |                 |                                                |                |     |
|             |                 |                                                |                |     |
|             |                 |                                                |                |     |
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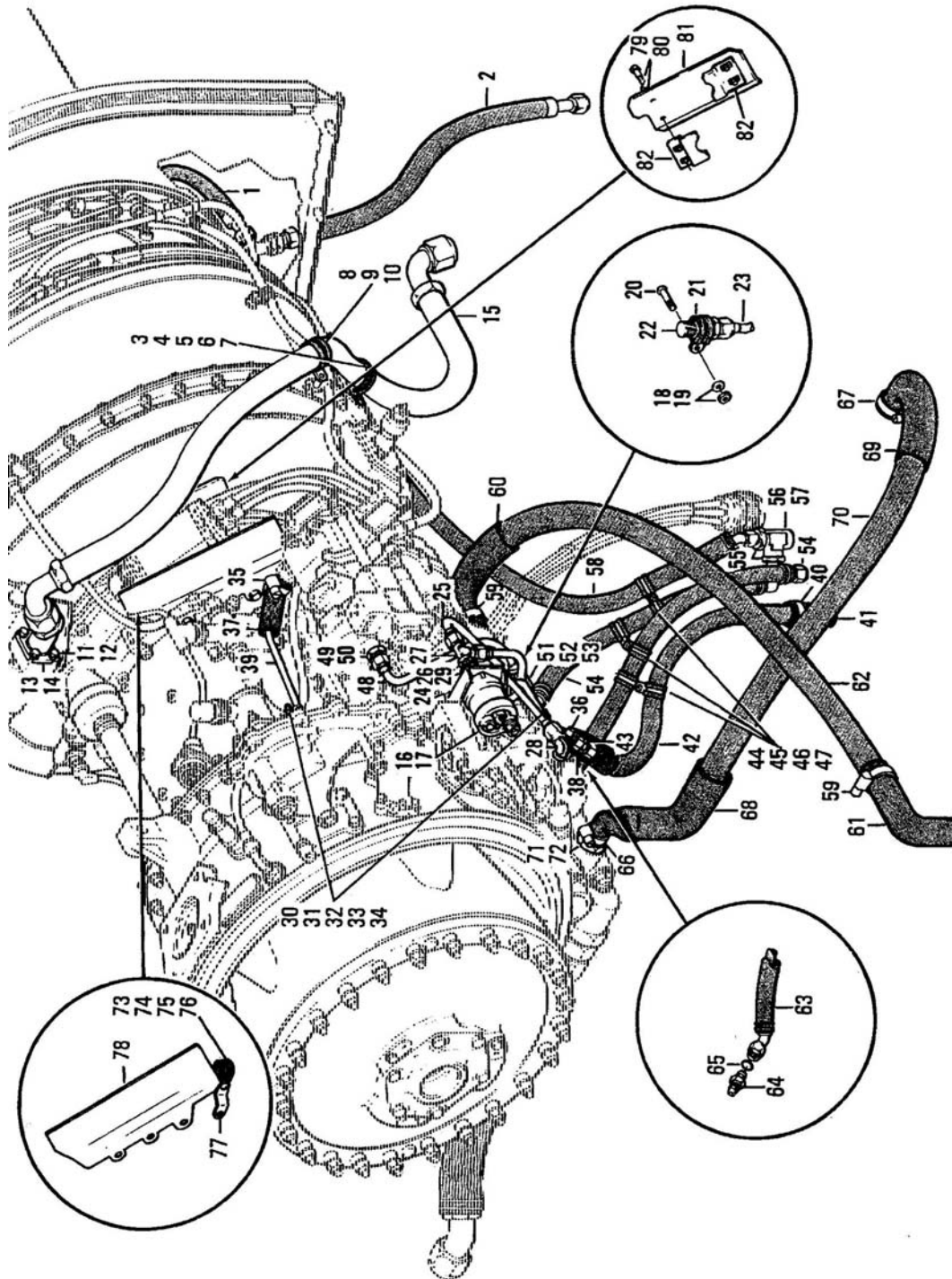


Figure 71-8 Engine Assembly (s/n 30817, 30576, 30687, 30599 and 30931)

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| Item Number | Part Number     | Item Name                           | Unit per Assy. | UOC |
|-------------|-----------------|-------------------------------------|----------------|-----|
| Figure 71-8 |                 |                                     |                |     |
| 1           | 70-031C140-000  | Hose Assembly                       | 1              |     |
| 2           | 70-031A150-000  | Hose Assembly                       | 1              |     |
| 3           | MS21042L3       | Nut                                 | 1              |     |
| 4           | NAS1149D0332J   | Washer                              | 2              |     |
| 5           | MS35207-262     | Screw                               | 1              |     |
| 6           | 20-032-1        | Bracket                             | 1              |     |
| 7           | MS21919WCH21    | Clamp                               | 1              |     |
| 8           | AN520-10R18     | Screw                               | 1              |     |
| 9           | NAS43DD3-40N    | Spacer                              | 1              |     |
| 10          | MS21919WCH21    | Clamp                               | 1              |     |
| 11          | AN4CH5A         | Bolt                                | 4              |     |
| 12          | NAS1149C0432R   | Washer                              | 4              |     |
| 13          | 205-060-434-001 | Adapter Assembly                    | 1              |     |
| 14          | 204-060-485-001 | Gasket                              | 1              |     |
| 15          | 70-038F400-180  | Hose Assembly                       | 1              |     |
| 16          | 204-060-084-001 | Nut                                 | 1              |     |
| 17          | 130-020-3       | Transmitter, Oil Pressure           | 1              |     |
| 18          | MS21042L3       | Nut                                 | 1              |     |
| 19          | NAS1149C0332R   | Washer                              | 1              |     |
| 20          | MS52958-63      | Screw                               | 1              |     |
| 21          | MS21919WCF11    | Clamp                               | 1              |     |
| 22          | 8G1024          | Switch, Engine Oil Pressure Warning | 1              |     |
| 23          | 205-061-042-001 | Tube Assembly                       | 1              |     |
| 24          | 205-061-040-001 | Bracket                             | 1              |     |
| 25          | 205-061-043-001 | Tube Assembly                       | 1              |     |
| 26          | AN924-4         | Nut                                 | 2              |     |
| 27          | AN804J4         | Tee                                 | 1              |     |
| 28          | 204-060-031-015 | Fitting Assembly                    | 1              |     |
| 29          | MS29512-04      | Packing, Preformed                  | 2              |     |
| 30          | MS21042L3       | Nut                                 | 2              |     |
| 31          | NAS1149F0332P   | Washer                              | 2              |     |
| 32          | AN525-10R6      | Screw                               | 2              |     |
| 33          | 20-032-3        | Bracket                             | 2              |     |
| 34          | MS21919WCH4     | Clamp                               | 2              |     |
| 35          | AN737TW30       | Clamp                               | 1              |     |
| 36          | AN737TW56       | Clamp                               | 1              |     |
| 37          | 205-061-531-009 | Shroud                              | 1              |     |
| 38          | 205-061-531-015 | Shroud                              | 1              |     |
| 39          | 205-061-046-001 | Tube Assembly                       | 1              |     |
| 40          | AN737TW56       | Clamp                               | 1              |     |
| 41          | 205-061-531-015 | Shroud                              | 1              |     |
| 42          | 156F001-5S-0146 | Hose Assembly                       | 1              |     |



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| Item Number | Part Number     | Item Name                      | Unit per Assy. | UOC |
|-------------|-----------------|--------------------------------|----------------|-----|
| Figure 71-8 |                 |                                |                |     |
| 43          | AN815-4         | Union                          | 1              |     |
| 44          | MS21042L3       | Nut                            | 3              |     |
| 45          | NAS1149D0332J   | Washer                         | 3              |     |
| 46          | MS35207-262     | Screw                          | 3              |     |
| 47          | MS21919WDG12    | Clamp                          | 6              |     |
| 48          | 204-060-082-001 | Tube Assembly                  | 1              |     |
| 49          | AN919-2         | Reducer                        | 1              |     |
| 50          | MS29512-03      | Packing, Preformed             | 1              |     |
| 51          | AN924-4         | Nut                            | 1              |     |
| 52          | AN834-4         | Tee                            | 1              |     |
| 53          | MS29512-04      | Packing, Preformed             | 1              |     |
| 54          | 70-009F060Z164A | Hose Assembly                  | 1              |     |
| 55          | AN919-6         | Reducer                        | 2              |     |
| 56          | AN938J6         | Tee                            | 1              |     |
| 57          | MS29512-06      | Packing, Preformed             | 2              |     |
| 58          | 70-009F000X243A | Hose Assembly                  | 1              |     |
| 59          | AN737TW58       | Clamp                          | 2              |     |
| 60          | 205-061-531-005 | Shroud                         | 1              |     |
| 61          | 205-061-531-007 | Shroud                         | 1              |     |
| 62          | 624117-10D240   | Hose Assembly                  | 1              |     |
| 63          | 70-009F000X174A | Hose Assembly                  | 1              |     |
| 64          | 110-033-1       | Reducer                        | 1              |     |
| 65          | M83248/1-903    | Packing, Preformed             | 1              |     |
| 66          | AN737TW34       | Clamp                          | 1              |     |
| 67          | AN737TW56       | Clamp                          | 1              |     |
| 68          | 205-061-531-001 | Shroud                         | 1              |     |
| 69          | 205-061-531-029 | Shroud                         | 1              |     |
| 70          | 110-640119L0264 | Hose Assembly                  | 1              |     |
| 70          | 70-009L110C264A | Hose Assembly (Alternate Part) | 1              |     |
| 71          | 502383-10C      | Elbow                          | 1              |     |
| 71          | TA5221          | Fitting (Alternate Part)       | 1              |     |
| 72          | M83248/1-910    | Packing, Preformed             | 1              |     |
| 73          | MS51958-63      | Screw                          | 1              |     |
| 74          | NAS1149C0332R   | Washer                         | 1              |     |
| 75          | MS21042L3       | Nut                            | 1              |     |
| 76          | MS21919WCH9     | Clamp                          | 1              |     |
| 77          | 205-061-061-001 | Clip                           | 1              |     |
| 78          | 205-061-060-001 | Heatshield                     | 1              |     |
| 79          | AN3-3A          | Bolt                           | 4              |     |
| 80          | NAS1149D0332J   | Washer                         | 4              |     |
| 81          | 205-061-062-001 | Heatshield                     | 1              |     |
| 82          | 205-061-063-001 | Clip                           | 2              |     |



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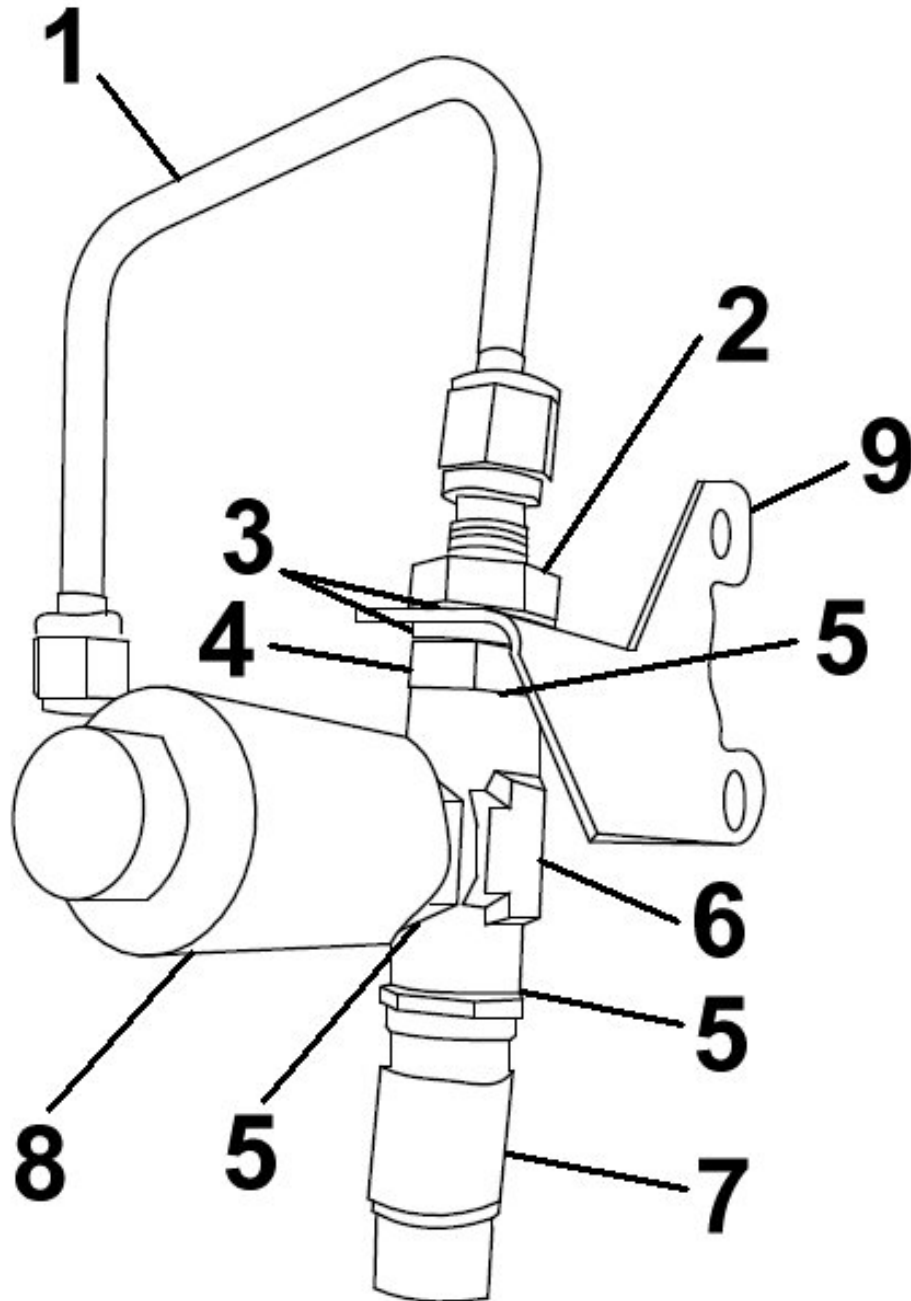


Figure 71-9 Engine Assembly (all s/n except 30817, 30576, 30687, 30599 and 30931)

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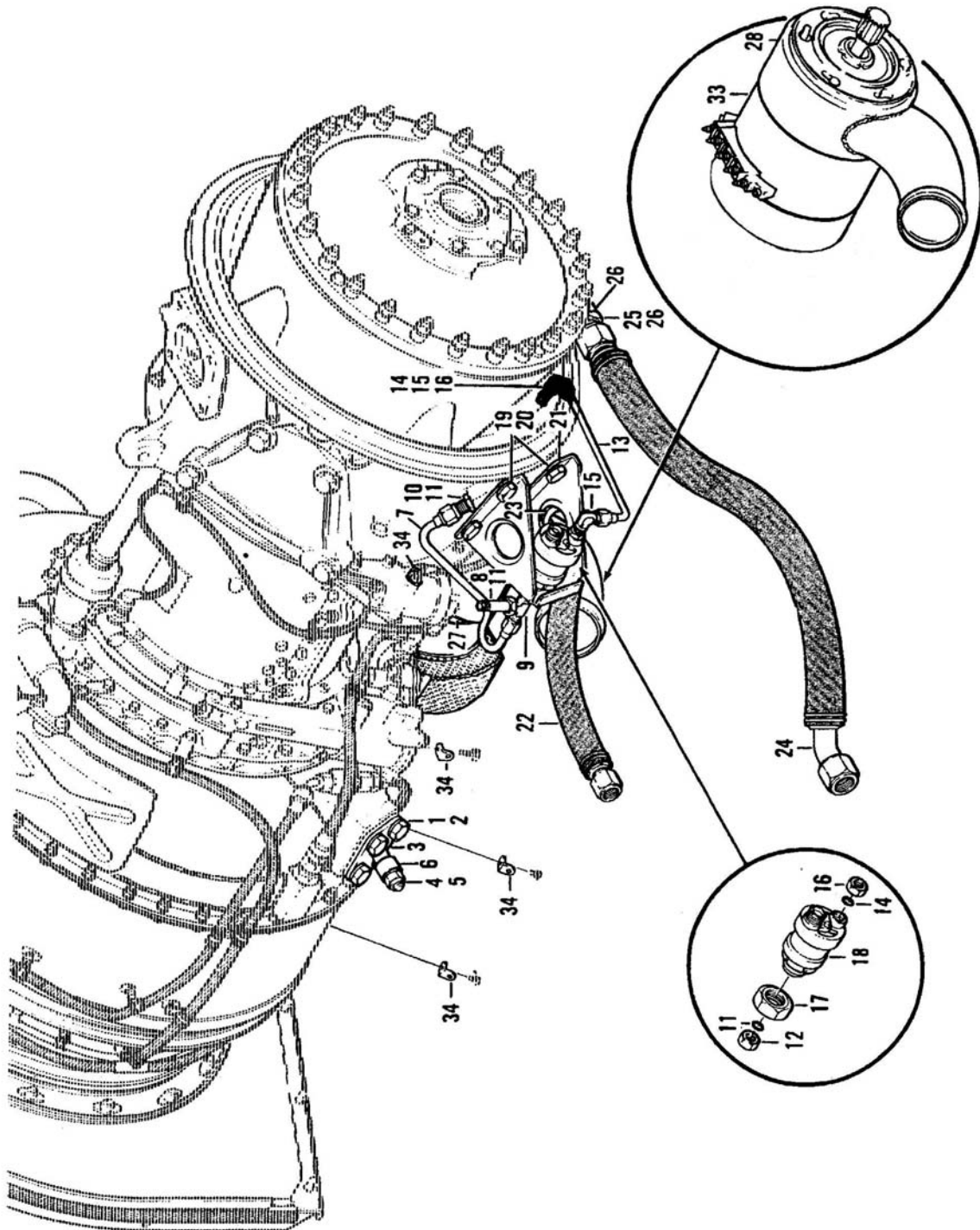


Figure 71-10 Engine Assembly (s/n 30817, 30576, 30687, 30599 and 30931)

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| Item Number  | Part Number      | Item Name                                      | Unit per Assy. | UOC |
|--------------|------------------|------------------------------------------------|----------------|-----|
| Figure 71-10 |                  |                                                |                |     |
| 1            | AN6CH6A          | Bolt                                           | 4              |     |
| 2            | NAS1149C0632R    | Washer                                         | 4              |     |
| 3            | 204-060-152-001  | Fitting                                        | 1              |     |
| 4            | MS21043-6        | Nut                                            | 1              |     |
| 5            | NAS1149C0663R    | Washer                                         | 1              |     |
| 6            | 204-061-100-001  | Bearing                                        | 1              |     |
| 7            | 205-061-045-001  | Tube Assembly                                  | 1              |     |
| 8            | 8G325            | Switch, Engine Torque Pressure                 | 1              |     |
| 9            | AN783J4          | Tee                                            | 1              |     |
| 10           | 204-060-068-001  | Restrictor                                     | 1              |     |
| 11           | M83248/1-904     | Packing, Preformed                             | 3              |     |
| 12           | AN924-4          | Nut                                            | 1              |     |
| 13           | 205-061-044-001  | Tube Assembly                                  | 1              |     |
| 14           | M83248/1-904     | Packing, Preformed                             | 2              |     |
| 15           | AN833-4          | Elbow                                          | 2              |     |
| 16           | AN924-4          | Nut                                            | 2              |     |
| 17           | 204-060-084-001  | Nut                                            | 1              |     |
| 18           | 130-020-9        | Transmitter                                    | 1              |     |
| 19           | AN8CH6A          | Bolt                                           | 4              |     |
| 20           | NAS1149F0832P    | Washer                                         | 4              |     |
| 21           | 205-061-041-001  | Bracket                                        | 1              |     |
| 22           | 624139-12D146    | Hose Assembly                                  | 1              |     |
| 22           | 156F0003-12D0146 | Hose Assembly (Alternate Part)                 | 1              |     |
| 23           | AN815-12         | Union                                          | 1              |     |
| 24           | 624139-16D224    | Hose Assembly                                  | 1              |     |
| 24           | 156F0003-16D0224 | Hose Assembly (Alternate Part)                 | 1              |     |
| 25           | 204-060-045-001  | Fitting                                        | 1              |     |
| 26           | M83248/1-912     | Packing, Preformed                             | 2              |     |
| 27           | GEU-7/A          | Tach Generator (Gas Producer)                  | 1              |     |
| 27           | 22A554           | Tach Generator (Gas Producer) (Alternate Part) | 1              |     |
| 27           | 32005-007        | Tach Generator (Gas Producer) (Alternate Part) | 1              |     |
| 27           | AG34             | Tach Generator (Gas Producer) (Alternate Part) | 1              |     |
| 27           | 32005-005        | Tach Generator (Gas Producer) (Alternate Part) | 1              |     |
| 27           | 2CM12AAA         | Indicator (Gas Producer)                       | 1              |     |
| 28           | 205-060-430-005  | Generator Assembly, Starter                    | 1              |     |
| 33           | 204-060-200-001  | Starter Generator                              | 1              |     |
| 34           | 20-032-1         | Bracket                                        | 4              |     |

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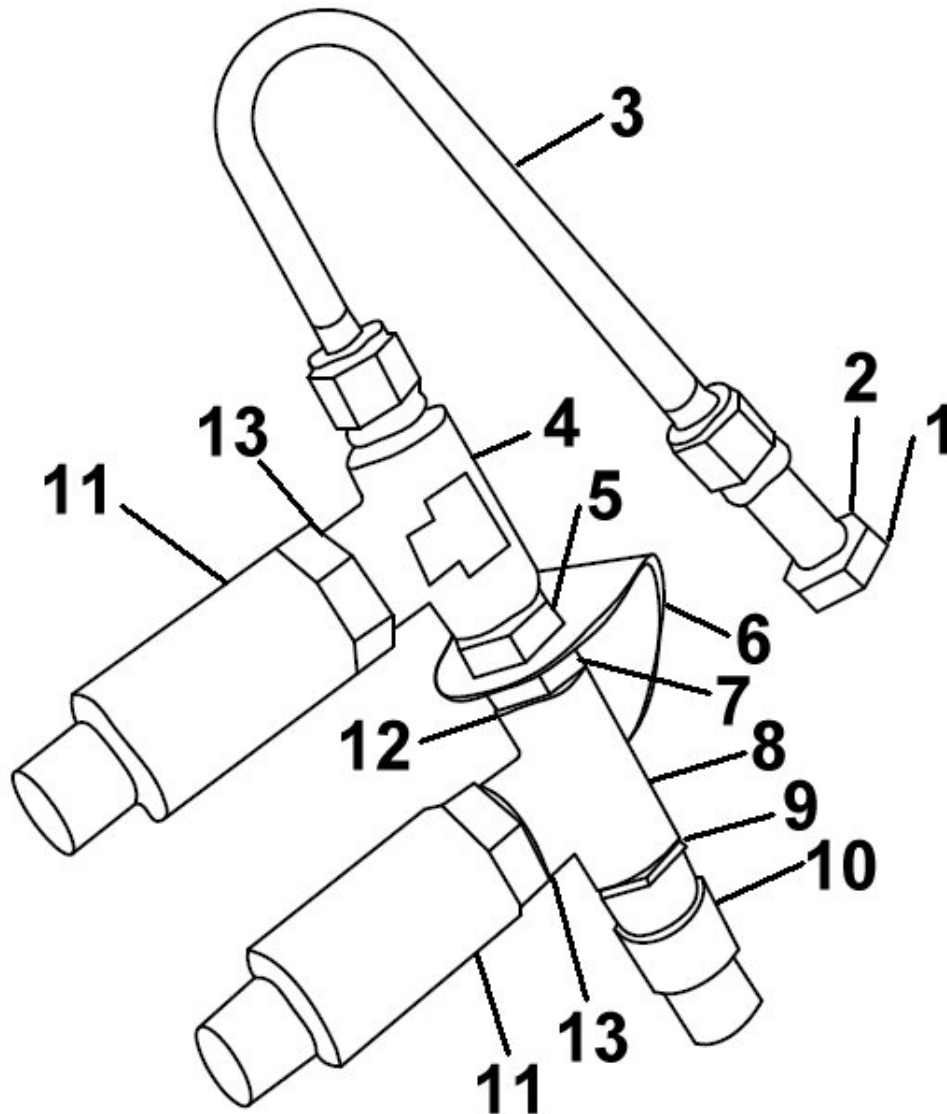


Figure 71-11 Engine Assembly (all s/n except 30817, 30576, 30687, 30599 and 30931)



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| Item Number  | Part Number     | Item Name          | Unit per Assy. | UOC |
|--------------|-----------------|--------------------|----------------|-----|
| Figure 71-11 |                 |                    |                |     |
| 1            | M83248/1-904    | Packing, Preformed | 1              |     |
| 2            | 205-060-068-001 | Fitting            | 1              |     |
| 3            | 205-061-057-001 | Tube Assembly      | 1              |     |
| 4            | AN783-4J        | Fitting            | 1              |     |
| 5            | AN924-4J        | Nut                | 1              |     |
| 6            | D212-725-1-227  | Bracket            | 1              |     |
| 7            | AN924-4J        | Nut                | 1              |     |
| 8            | AN938-4J        | Fitting            | 1              |     |
| 9            | M83248/1-904    | Packing, Preformed | 1              |     |
| 10           | 8G325           | Transducer         | 1              |     |
| 11           | BAS-520-80G     | Transducer         | 1              |     |
| 12           | M83248/1-904    | Packing, Preformed | 1              |     |
| 13           | M83248/1-904    | Packing, Preformed | 2              |     |
|              |                 |                    |                |     |
|              |                 |                    |                |     |
|              |                 |                    |                |     |
|              |                 |                    |                |     |
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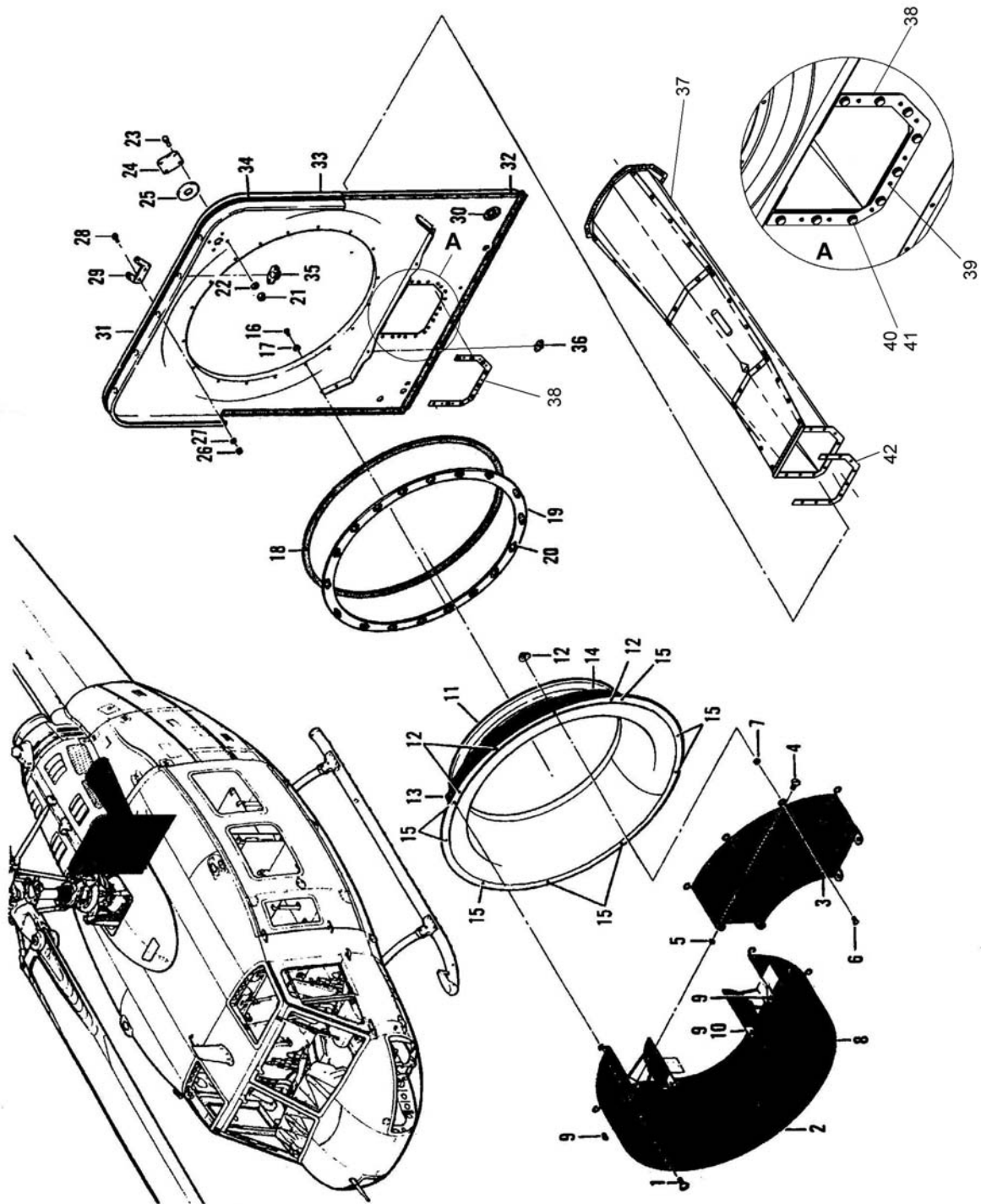


Figure 71-12 Firewall Assembly, Forward and Fireshield Installation, Tail Rotor Driveshaft



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| Item Number  | Part Number     | Item Name                           | Unit per Assy. | UOC |
|--------------|-----------------|-------------------------------------|----------------|-----|
| Figure 71-12 |                 |                                     |                |     |
| 1            | AN525-10R9      | Screw                               | 9              |     |
| 2            | 204-060-217-013 | Screen Assembly                     | 1              |     |
| 2            | 205-060-206-101 | Screen Assembly (Alternate Part)    | 1              |     |
| 3            | 204-060-217-011 | Screen Assembly                     | 1              |     |
| 4            | 50-007A15       | Stud                                | 4              |     |
| 5            | 50-009-2        | Grommet                             | 4              |     |
| 6            | 50-007A21       | Stud                                | 4              |     |
| 7            | 50-009-2        | Grommet                             | 4              |     |
| 8            | 204-060-217-009 | Screen Assembly                     | 1              |     |
| 9            | 50-008RF2       | Receptacle                          | 4              |     |
| 10           | RF3 1-2 5       | Receptacle                          | 8              |     |
| 11           | 205-060-210-001 | Bellmouth Assembly, Engine Air      | 1              |     |
| 11           | 205-060-210-003 | Bellmouth Assembly, Engine Air      | 1              |     |
| 12           | 50-008RF2       | Receptacle                          | 4              |     |
| 13           | 205-060-209-001 | Support (Usable on 205-060-210-001) | 1              |     |
| 14           | 205-060-210-015 | Gasket                              | 6              |     |
| 15           | MS21059L3       | Nutplate                            | 8              |     |
| 16           | AN525-10R9      | Screw                               | 18             |     |
| 17           | NAS1149C0332R   | Washer                              | 18             |     |
| 18           | 204-060-815-071 | Spacer                              | 1              |     |
| 19           | 204-060-868-001 | Ring Assembly                       | 1              |     |
| 20           | MS21059L3K      | Nutplate                            | 18             |     |
| 21           | MS21042L06      | Nut                                 | 4              |     |
| 22           | NAS1149CN616R   | Washer                              | 4              |     |
| 23           | MS35275-227     | Screw                               | 4              |     |
| 24           | 205-060-908-099 | Cover                               | 1              |     |
| 25           | 205-060-908-097 | Gasket                              | 1              |     |
| 26           | MS21042L3       | Nut                                 | 2              |     |
| 27           | NAS1149C0363R   | Washer                              | 2              |     |
| 28           | AN3-4A          | Bolt                                | 2              |     |
| 29           | 205-060-910-001 | Fitting                             | 1              |     |
| 30           | 205-060-753-001 | Seal                                | 1              |     |
| 31           | 205-060-908-093 | Firewall Assembly                   | 1              |     |
| 32           | 205-060-908-045 | Gasket                              | 2              |     |
| 33           | 205-060-908-047 | Seal                                | 1              |     |
| 34           | 205-060-908-043 | Gasket                              | 1              |     |
| 35           | 50-008RF5       | Receptacle                          | 5              |     |
| 36           | 50-008RF2       | Receptacle                          | 4              |     |
| 37           | D3648-041       | Driveshaft Tunnel Assembly          | 1              |     |
| 38           | D3654-1         | Doubler                             | 1              |     |
| 39           | MS20427M4       | Rivet                               | 8              |     |
| 40           | AN3C-3A         | Bolt                                | 9              |     |



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| Item Number  | Part Number   | Item Name | Unit per Assy. | UOC |
|--------------|---------------|-----------|----------------|-----|
| Figure 71-12 |               |           |                |     |
| 41           | NAS1149C0363R | Washer    | 9              |     |
| 42           | D3682-1       | Gasket    | 1              |     |
|              |               |           |                |     |
|              |               |           |                |     |

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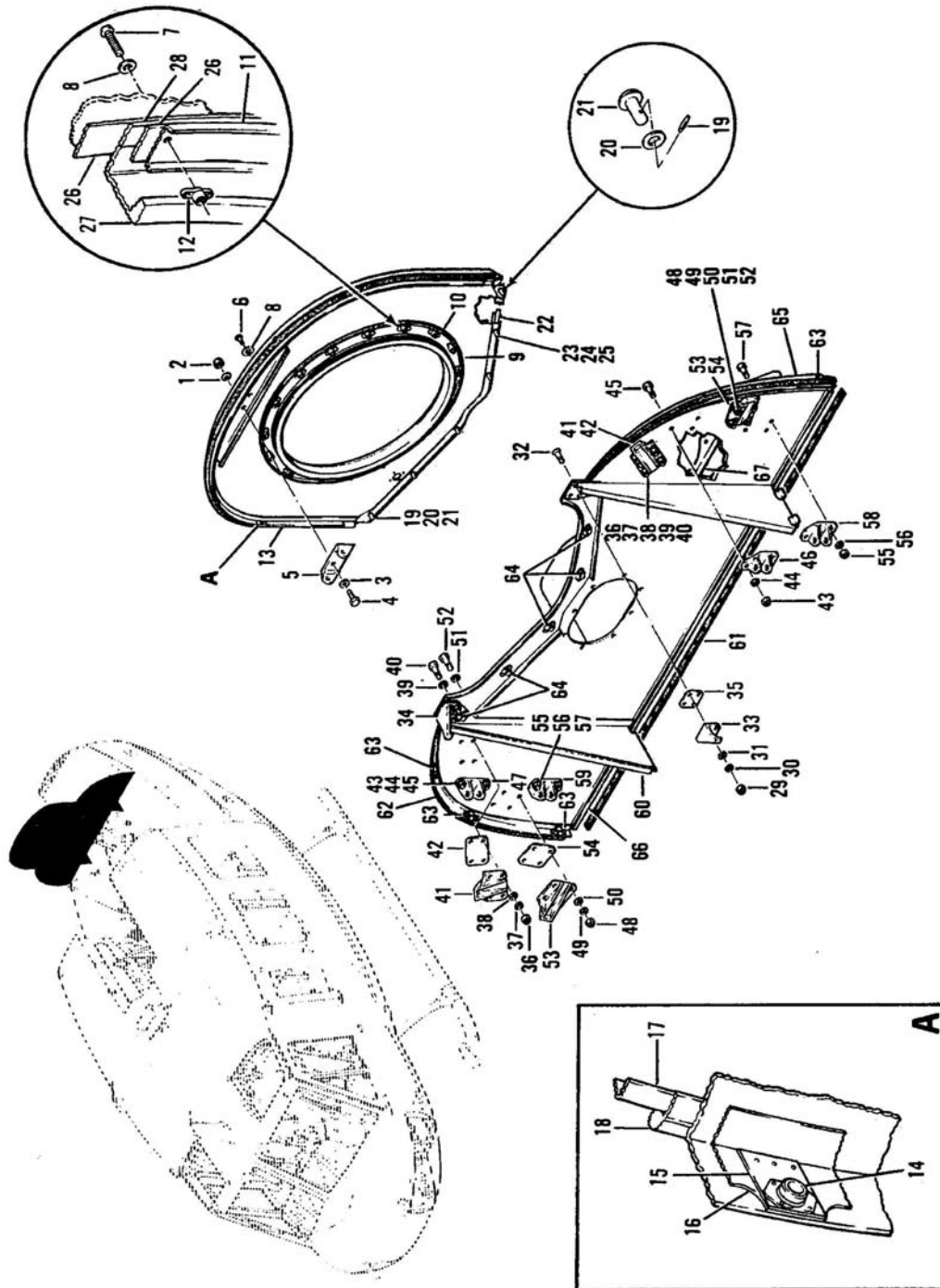


Figure 71-13 Firewall Assembly, Aft, Upper and Lower

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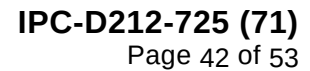
| Item Number  | Part Number     | Item Name                                      | Unit per Assy. | UOC |
|--------------|-----------------|------------------------------------------------|----------------|-----|
| Figure 71-13 |                 |                                                |                |     |
| 1            | MS21043-3       | Nut                                            | 2              |     |
| 2            | NAS1149D0332J   | Washer                                         | 2              |     |
| 3            | NAS1149C0332R   | Washer                                         | 2              |     |
| 4            | AN3C4A          | Bolt                                           | 2              |     |
| 5            | 205-060-910-001 | Fitting                                        | 1              |     |
| 6            | MS51958-63      | Screw                                          | 15             |     |
| 7            | AN526C1032R12   | Screw                                          | 1              |     |
| 7            | AN526C1032R14   | Screw                                          | 1              |     |
| 8            | AN970-3         | Washer                                         | 16             |     |
| 9            | 205-060-909-029 | Channel Assembly                               | 1              |     |
| 10           | 204-060-816-033 | Gasket                                         | 1              |     |
| 11           | 204-060-816-007 | Channel                                        | 1              |     |
| 12           | NAS680-C3M      | Nutplate                                       | 16             |     |
| 12           | NAS680-C3MK     | Nutplate (Alternate Part)                      | 16             |     |
| 13           | 205-060-909-027 | Firewall Assembly, Aft, Upper                  | 1              |     |
| 13           | 205-060-909-047 | Firewall Assembly, Aft, Upper (Alternate Part) | 1              |     |
| 14           | 50-008RF5       | Receptacle                                     | 4              |     |
| 15           | 205-060-909-019 | Doubler                                        | 4              |     |
| 16           | 205-060-909-023 | Gasket                                         | 1              |     |
| 17           | 205-060-909-011 | Retainer                                       | 1              |     |
| 18           | 205-060-909-007 | Seal                                           | 1              |     |
| 19           | 99836           | Pin                                            | 2              |     |
| 20           | 294119-06       | Washer                                         | 2              |     |
| 21           | 98292-2-200     | Stud                                           | 2              |     |
| 22           | 205-060-909-017 | Gasket                                         | 1              |     |
| 23           | 99836           | Pin                                            | 4              |     |
| 24           | 294119-06       | Washer                                         | 4              |     |
| 25           | 98292-2-160     | Stud                                           | 4              |     |
| 26           | 204-060-816-033 | Gasket                                         | 2              |     |
| 27           | 204-060-809-003 | Ring                                           | 1              |     |
| 28           | 204-060-816-031 | Ring                                           | 1              |     |
| 29           | MS21043-3       | Nut                                            | 8              |     |
| 30           | 204-060-927-001 | Washer                                         | 8              |     |
| 31           | NAS1149C0363R   | Washer                                         | 8              |     |
| 32           | MS24694-C55     | Screw                                          | 8              |     |
| 33           | 205-060-912-001 | Fitting, LH                                    | 1              |     |
| 34           | 205-060-912-002 | Fitting, RH                                    | 1              |     |
| 35           | 205-060-917-001 | Plate                                          | 2              |     |
| 36           | MS21043-3       | Nut                                            | 8              |     |
| 37           | NAS1149C0332R   | Washer                                         | 8              |     |
| 38           | NAS1149C0363R   | Washer                                         | 8              |     |
| 39           | 204-060-927-001 | Washer                                         | 8              |     |

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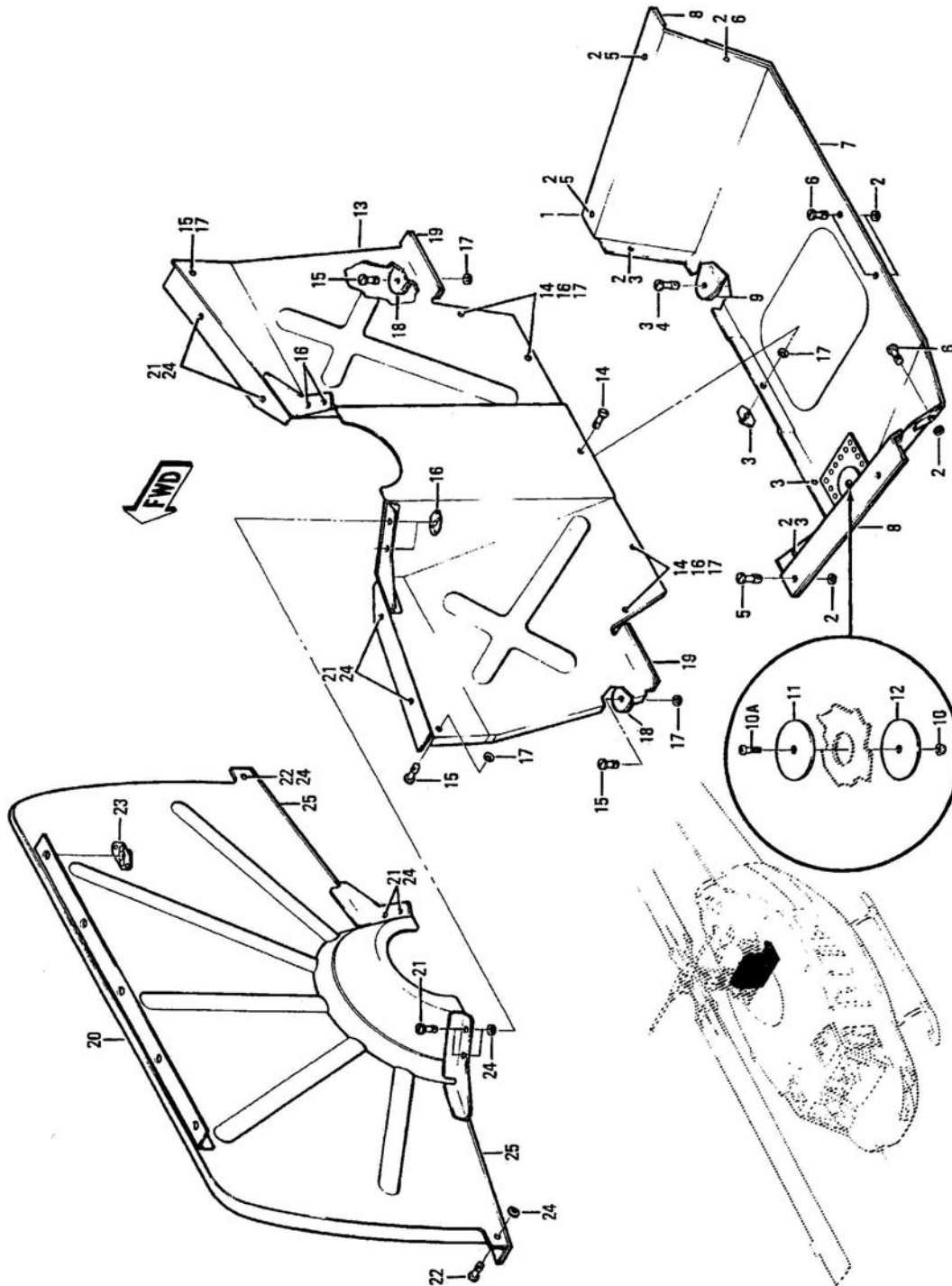


Figure 71-14 Baffle Assembly, Induction

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| Item Number  | Part Number     | Item Name                     | Unit per Assy. | UOC |
|--------------|-----------------|-------------------------------|----------------|-----|
| Figure 71-14 |                 |                               |                |     |
| 1            | 205-060-205-113 | Pan Assembly                  | 1              |     |
| 1            | 205-060-205-143 | Pan Assembly (Alternate Part) | 1              |     |
| 2            | 50-009-2        | Grommet                       | 10             |     |
| 3            | 50-008RF2       | Receptacle                    | 5              |     |
| 4            | 50-007A18       | Stud                          | 2              |     |
| 5            | 50-007A15       | Stud                          | 4              |     |
| 6            | 50-007A12       | Stud                          | 4              |     |
| 7            | 205-060-205-097 | Gasket                        | 1              |     |
| 8            | 205-060-205-089 | Gasket                        | 2              |     |
| 9            | 205-060-205-095 | Gasket                        | 2              |     |
| 10           | MS21042L3       | Nut                           | 1              |     |
| 10A          | MS27039-1-06    | Screw                         | 1              |     |
| 11           | 204-060-224-003 | Plug Installation             | 1              |     |
| 12           | 204-060-224-009 | Plate                         | 1              |     |
| 13           | 205-060-205-075 | Baffle Assembly               | 1              |     |
| 14           | 50-007A9        | Stud                          | 5              |     |
| 15           | 50-007A18       | Stud                          | 4              |     |
| 16           | 50-008RF2       | Receptacle                    | 8              |     |
| 17           | 50-009-2        | Grommet                       | 9              |     |
| 18           | 205-060-205-083 | Gasket                        | 2              |     |
| 19           | 205-060-205-099 | Gasket                        | 2              |     |
| 20           | 205-060-205-119 | Baffle Assembly               | 1              |     |
| 21           | 50-007A12       | Stud                          | 8              |     |
| 22           | 50-007A18       | Stud                          | 2              |     |
| 23           | 50-008RF5       | Receptacle                    | 5              |     |
| 24           | 50-009-2        | Grommet                       | 10             |     |
| 25           | 205-060-205-079 | Gasket                        | 2              |     |
|              |                 |                               |                |     |
|              |                 |                               |                |     |
|              |                 |                               |                |     |
|              |                 |                               |                |     |
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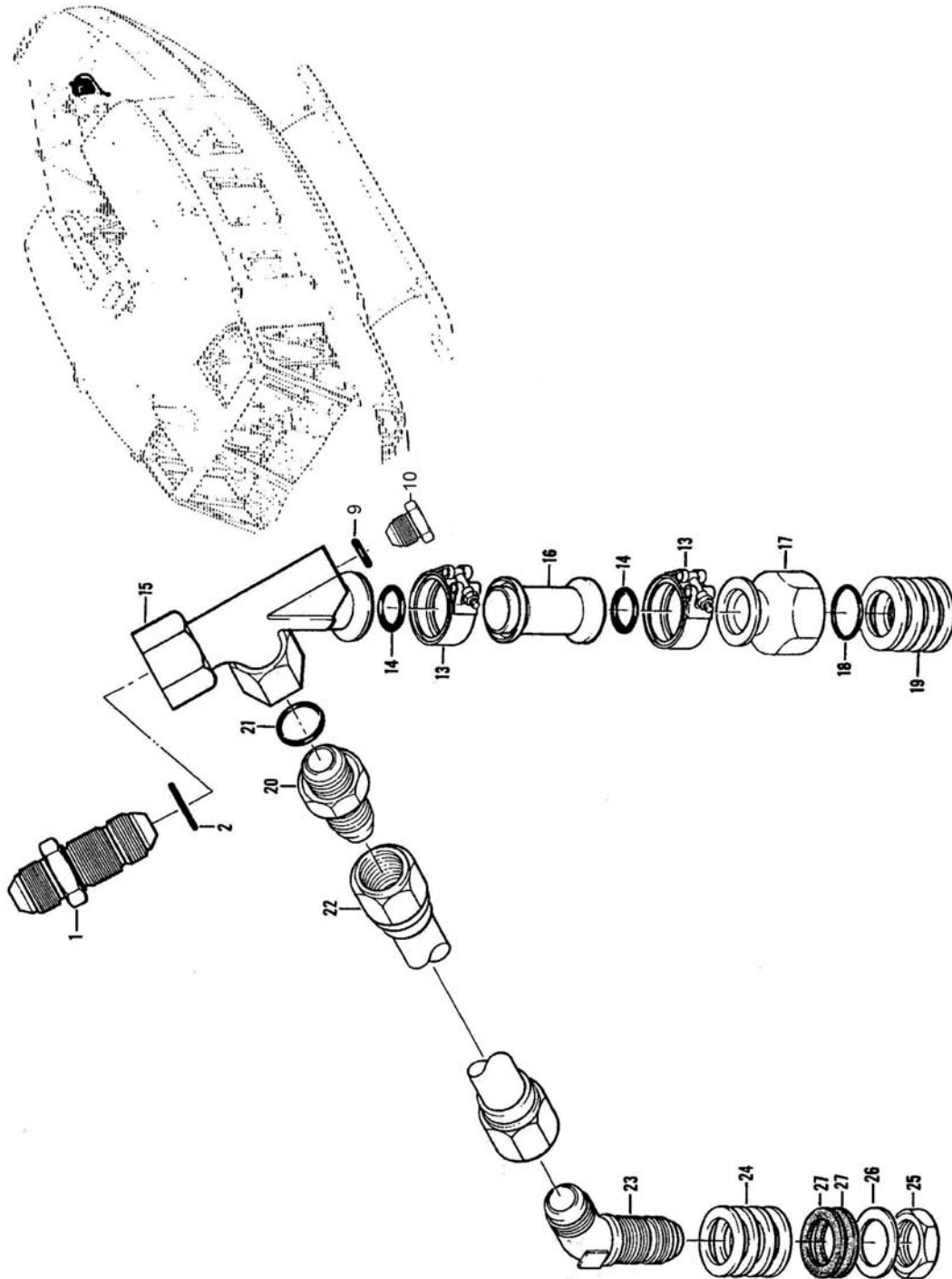


Figure 71-15 Bleed Air Installation, Turbo Blower and Cabin Heat

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| Item Number  | Part Number                                                              | Item Name                      | Unit per Assy. | UOC |
|--------------|--------------------------------------------------------------------------|--------------------------------|----------------|-----|
| Figure 71-15 |                                                                          |                                |                |     |
| 1            | AN815-16                                                                 | Union                          | 1              |     |
| 1            | 110-153LM16J                                                             | Union (Alternate Part)         | 1              |     |
| 2            | 3-916S613-60                                                             | Packing, Preformed             | 1              |     |
| 9            | 3-908S613-60                                                             | Packing, Preformed             | 1              |     |
| 13           | U3290S2-175SS                                                            | Clamp                          | 2              |     |
| 14           | M83248/1-216                                                             | Packing, Preformed             | 2              |     |
| 15           | 205-060-439-001                                                          | Fitting                        | 1              |     |
| 15           | 205-060-439-003                                                          | Fitting (Alternate Part)       | 1              |     |
| 16           | 205-060-421-001                                                          | Connector                      | 1              |     |
| 17           | 205-060-494-001                                                          | Fitting                        | 1              |     |
| 17           | 205-060-494-003                                                          | Fitting (Alternate Part)       | 1              |     |
| 18           | 3-916S613-60                                                             | Packing, Preformed             | 1              |     |
| 19           | NAS1149F2132P                                                            | Washer (Note 1)                | 4              |     |
| 20           | AN815-12                                                                 | Union                          | 1              |     |
| 20           | 110-153LM12J                                                             | Union (Alternate Part)         | 1              |     |
| 21           | 3-912S613-60                                                             | Packing, Preformed             | 1              |     |
| 22           | 205-060-424-001                                                          | Tube Assembly                  | 1              |     |
| 22           | 205-060-432-001                                                          | Tube Assembly (Alternate Part) | 1              |     |
| 23           | AN837-12                                                                 | Elbow                          | 1              |     |
| 23           | 110-157-12J                                                              | Elbow (Alternate Part)         | 1              |     |
| 24           | NAS1149F1732P                                                            | Washer (Note 1)                | 4              |     |
| 25           | AN924-12                                                                 | Nut                            | 1              |     |
| 25           | 90-081LM12J                                                              | Nut (Alternate Part)           | 1              |     |
| 26           | 140-009D69T109                                                           | Washer                         | 1              |     |
| 27           | 205-060-438-003                                                          | Gasket                         | 2              |     |
|              | Note 1: Maximum quantity shown. Minimum quantity of (1) at each location |                                |                |     |
|              |                                                                          |                                |                |     |
|              |                                                                          |                                |                |     |
|              |                                                                          |                                |                |     |
|              |                                                                          |                                |                |     |

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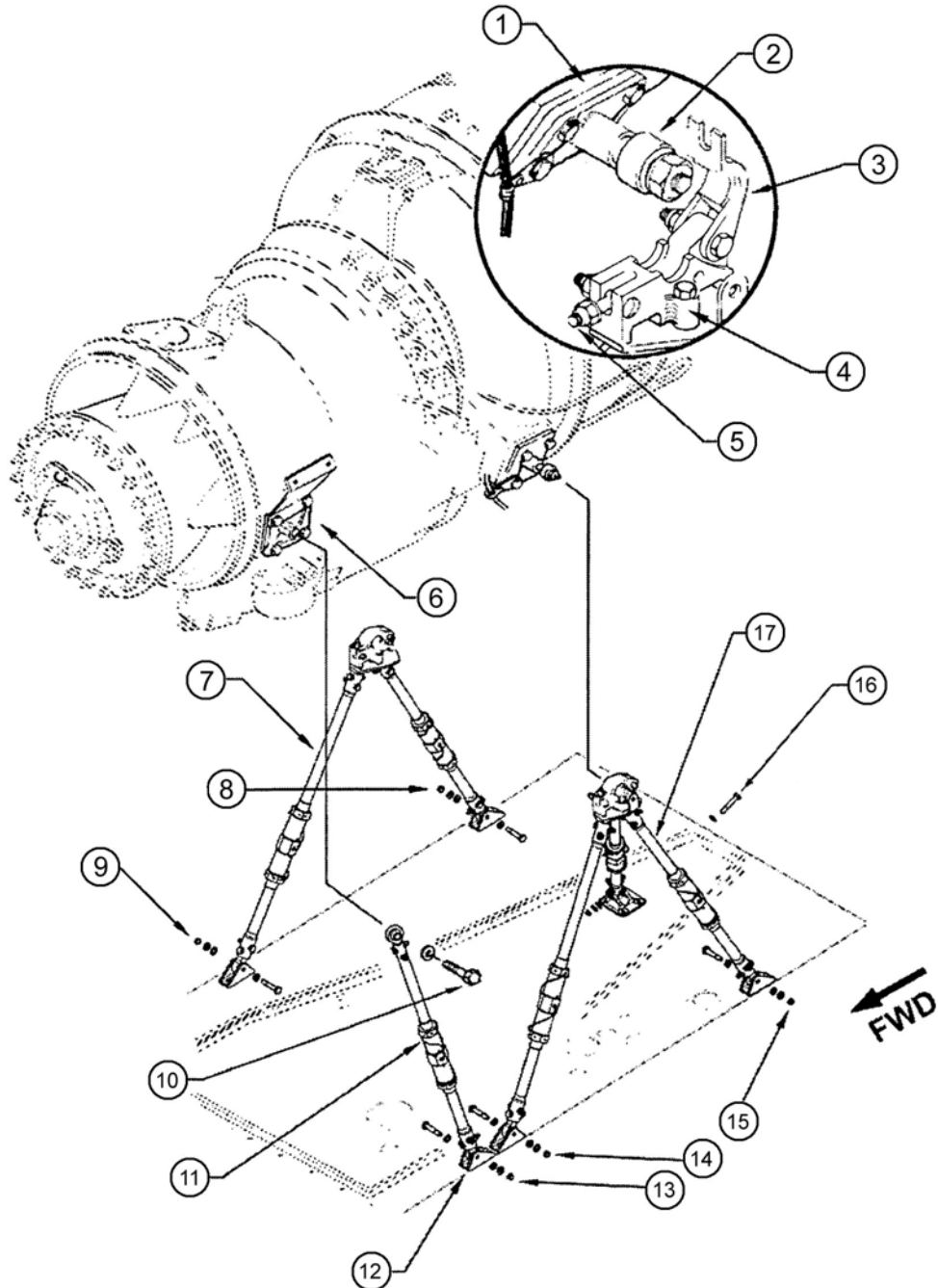


Figure 71-16 Engine Mount Installation



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| Item Number  | Part Number                                                    | Item Name                              | Unit per Assy. | UOC |
|--------------|----------------------------------------------------------------|----------------------------------------|----------------|-----|
| Figure 71-16 |                                                                |                                        |                |     |
| 1            | 204-060-152-001                                                | Main Trunnion                          | 2              |     |
| 2            | 204-061-100-001                                                | Bearing (Alternate Part)               | 1              |     |
| 3            | 204-060-151-001                                                | Bearing Cap                            | 2              |     |
| 3            | 204-060-151-003                                                | Bearing Cap (Alternate Part)           | 2              |     |
| 4            | 204-060-102-009                                                | Pillow Block Assembly                  | 2              |     |
| 4            | 204-060-102-011                                                | Pillow Block Assembly (Alternate Part) | 2              |     |
| 5            | AN24-19                                                        | Eye Bolt                               | 1              |     |
| 6            | 204-060-161-001                                                | Forward Trunnion                       | 1              |     |
| 7            | D3685-041                                                      | Bipod Mount Assembly                   | 1              |     |
| 8            | NAS624-16                                                      | Bolt                                   | 1              |     |
| 8            | MS20002C4                                                      | Washer                                 | 1              |     |
| 8            | NAS1149F0432P                                                  | Washer                                 | 2              |     |
| 8            | MS21042L4                                                      | Nut                                    | 1              |     |
| 9            | NAS624-16                                                      | Bolt                                   | 1              |     |
| 9            | MS20002C4                                                      | Washer                                 | 1              |     |
| 9            | NAS1149F0463P                                                  | Washer                                 | 2              |     |
| 9            | MS21042L4                                                      | Nut                                    | 1              |     |
| 10           | 204-060-133-001                                                | Bolt                                   | 1              |     |
| 10           | NAS1149F0632P                                                  | Washer                                 | 1              |     |
| 11           | D3686-041                                                      | Monopod Assembly                       | 1              |     |
| 12           | Engine Mount Deck Fittings (See IPC-D212-725 (53) Figure 53-2) |                                        |                |     |
| 13           | NAS624-16                                                      | Bolt                                   | 1              |     |
| 13           | MS20002C4                                                      | Washer                                 | 1              |     |
| 13           | NAS1149F0463P                                                  | Washer                                 | 2              |     |
| 13           | MS21042L4                                                      | Nut                                    | 1              |     |
| 14           | NAS624-16                                                      | Bolt                                   | 1              |     |
| 14           | MS20002C4                                                      | Washer                                 | 1              |     |
| 14           | NAS1149F0463P                                                  | Washer                                 | 2              |     |
| 14           | MS21042L4                                                      | Nut                                    | 1              |     |
| 15           | NAS624-16                                                      | Bolt                                   | 1              |     |
| 15           | MS20002C4                                                      | Washer                                 | 1              |     |
| 15           | NAS1149F0463P                                                  | Washer                                 | 2              |     |
| 15           | MS21042L4                                                      | Nut                                    | 1              |     |
| 16           | NAS624-14                                                      | Bolt                                   | 1              |     |
| 16           | MS20002C4                                                      | Washer                                 | 1              |     |
| 16           | NAS1149F0463P                                                  | Washer                                 | 2              |     |
| 16           | MS21042L4                                                      | Nut                                    | 1              |     |
| 17           | D3684-041                                                      | Tripod Mount Assembly                  | 1              |     |

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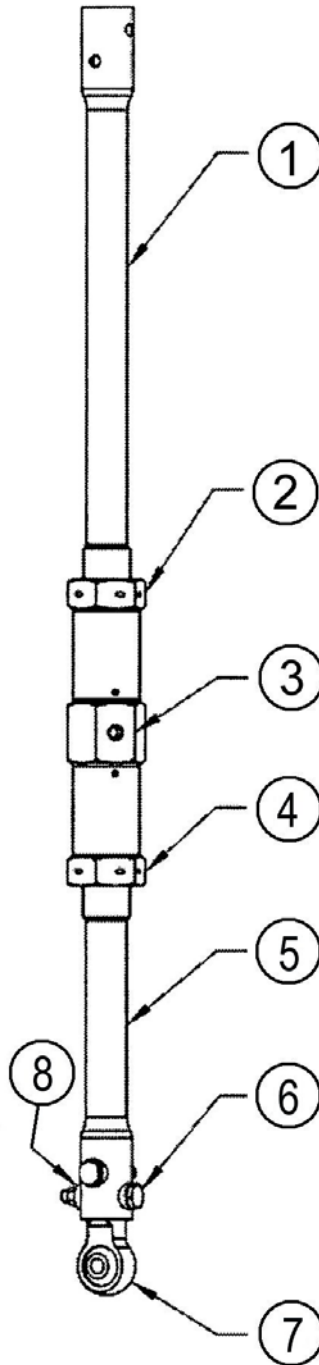
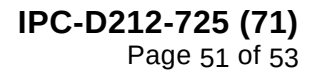


Figure 71-17 Engine Mount Detail

[illegible]

1 – Used on D3684-041 Tripod Mount Assembly  
2 – Used on D3685-041 Bipod Mount Assembly  
3 – Used on D3686-041 Monopod Assembly

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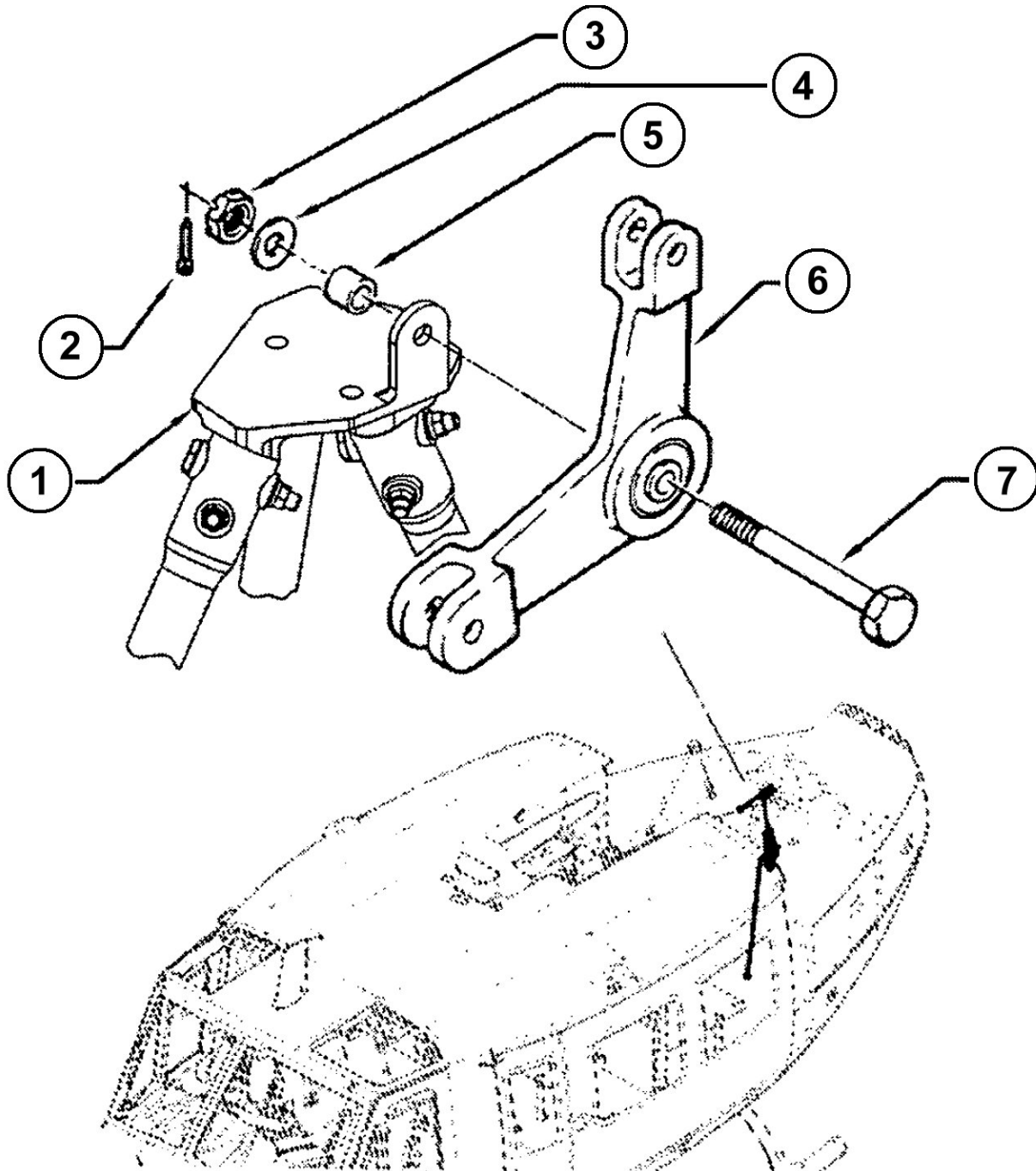
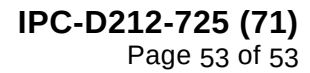


Figure 71-18 Throttle Lever Installation

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CHAPTER 76 – ENGINE CONTROLS (76-00-00)

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| 76-2          | Controls Installation, Power Lever       | 6           |
| 76-3          | Controls Installation, Droop Compensator | 10          |
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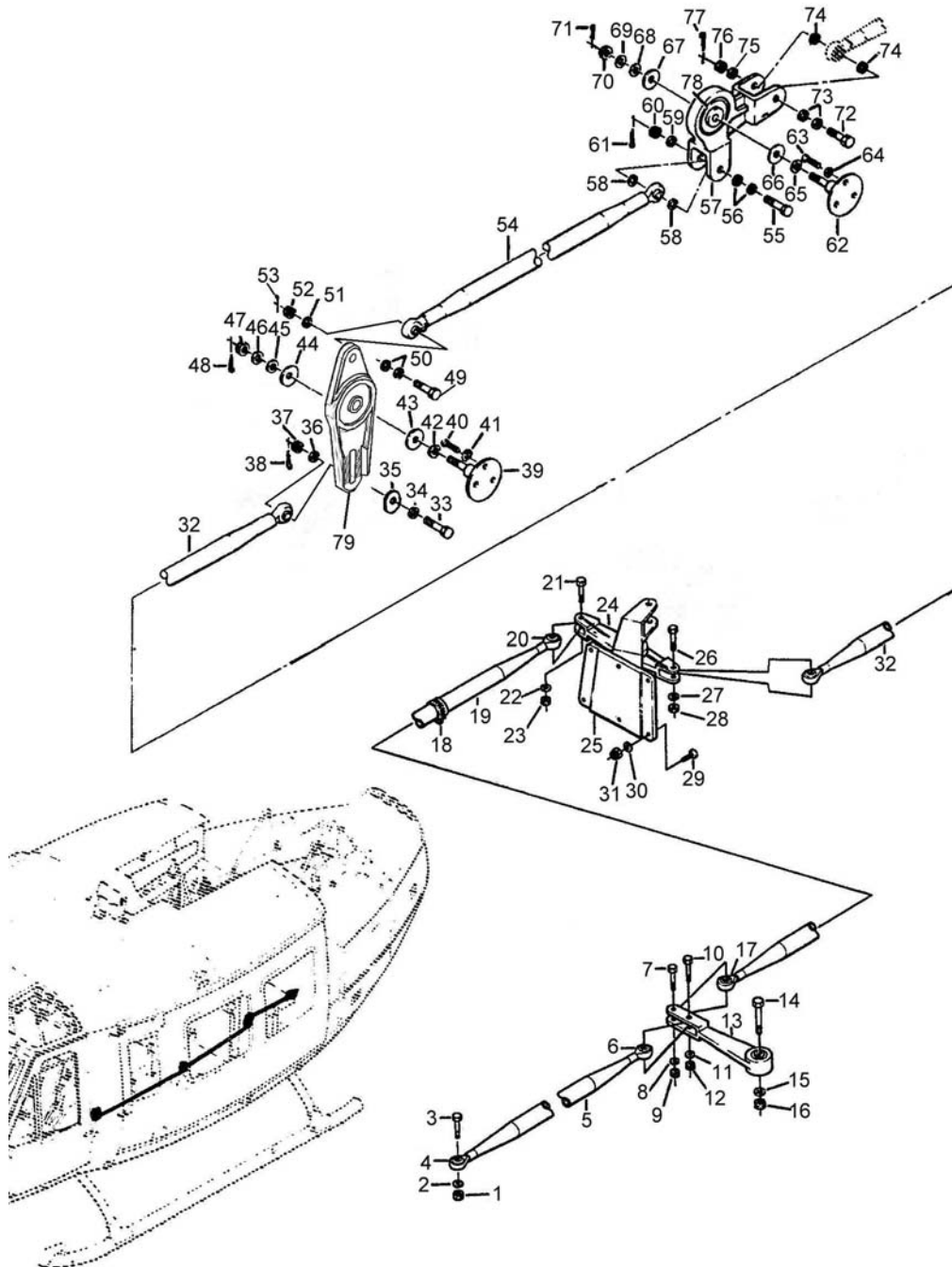


Figure 76-1 Controls Installation, Power Lever



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| Item Number | Part Number     | Item Name              | Unit per Assy. | UOC |
|-------------|-----------------|------------------------|----------------|-----|
| Figure 76-1 |                 |                        |                |     |
| 1           | MS14145L3       | Nut                    | 1              |     |
| 2           | NAS1149D0363J   | Washer                 | 1              |     |
| 3           | AN173-10        | Bolt                   | 1              |     |
| 4           | 204-061-717-003 | Bearing                | 1              |     |
| 5           | 212-060-724-017 | Tube Assembly          | 1              |     |
| 6           | 204-061-717-003 | Bearing                | 1              |     |
| 7           | AN173-10        | Bolt                   | 1              |     |
| 8           | NAS1149D0332J   | Washer                 | 1              |     |
| 9           | MS14145L3       | Nut                    | 1              |     |
| 10          | AN173-10        | Bolt                   | 1              |     |
| 11          | NAS1149D0332J   | Washer                 | 1              |     |
| 12          | MS14145L3       | Nut                    | 1              |     |
| 13          | 212-060-713-001 | Bellcrank Assembly     | 1              |     |
| 14          | AN174-15        | Bolt                   | 1              |     |
| 15          | NAS1149D0463J   | Washer                 | 1              |     |
| 16          | MS14145L4       | Nut                    | 1              |     |
| 17          | 204-061-717-003 | Bearing                | 1              |     |
| 18          | AN737TW30       | Clamp                  | 1              |     |
| 19          | 212-060-724-019 | Tube Assembly          | 1              |     |
| 20          | 204-061-717-003 | Bearing                | 1              |     |
| 21          | AN173-10        | Bolt                   | 1              |     |
| 22          | NAS1149D0363J   | Washer                 | 1              |     |
| 23          | MS14145L3       | Nut                    | 1              |     |
| 24          | 212-060-740-001 | Bellcrank Assembly     | 1              |     |
| 25          | 212-060-715-001 | Mount                  | 1              |     |
| 25          | 212-060-715-103 | Mount (Alternate Part) | 1              |     |
| 26          | AN173-10        | Bolt                   | 1              |     |
| 27          | NAS1149D363J    | Washer                 | 1              |     |
| 28          | MS14145L3       | Nut                    | 1              |     |
| 29          | MS27039-1-09    | Screw                  | 6              |     |
| 30          | NAS1149D0332J   | Washer                 | 6              |     |
| 31          | MS21042L3       | Nut                    | 6              |     |
| 32          | D212-725-1-919  | Tube Assembly          | 1              |     |
| 33          | AN173-12        | Bolt                   | 1              |     |
| 34          | NAS1149D0363J   | Washer                 | 1              |     |
| 35          | 205-060-731-001 | Washer                 | 1              |     |
| 36          | NAS1149D0363J   | Washer                 | 1              |     |
| 37          | MS14145L3       | Nut                    | 1              |     |
| 38          | MS24665-152     | Pin, Cotter            | 1              |     |
| 39          | 205-060-766-001 | Mount                  | 1              |     |
| 40          | MS35207-264     | Screw                  | 3              |     |
| 41          | NAS1149D0363J   | Washer                 | 3              |     |



CHAPTER 76 – ENGINE CONTROLS (76-00-00)

| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 76-1 |                 |                    |                |     |
| 42          | NAS1149C0432R   | Washer             | 1              |     |
| 43          | AN970-4         | Washer             | 1              |     |
| 44          | AN970-4         | Washer             | 1              |     |
| 45          | NAS1149C0432R   | Washer             | 1              |     |
| 46          | NAS1149D0463J   | Washer             | 1              |     |
| 47          | MS14145L4       | Nut                | 1              |     |
| 48          | MS24665-152     | Pin, Cotter        | 1              |     |
| 49          | AN173-11        | Bolt               | 1              |     |
| 50          | NAS1149D0363J   | Washer             | 2              |     |
| 51          | NAS1149D0363J   | Washer             | 1              |     |
| 52          | MS14145L3       | Nut                | 1              |     |
| 53          | MS24665-152     | Pin, Cotter        | 1              |     |
| 54          | 205-060-729-023 | Rod Assembly       | 1              |     |
| 55          | AN173-12        | Bolt               | 1              |     |
| 56          | NAS1149D0363J   | Washer             | 2              |     |
| 57          | 205-060-720-001 | Bellcrank Assembly | 1              |     |
| 58          | NAS1149D0363J   | Washer             | 2              |     |
| 59          | NAS1149D0363J   | Washer             | 1              |     |
| 60          | MS14145L3       | Nut                | 1              |     |
| 61          | MS24665-152     | Pin, Cotter        | 1              |     |
| 62          | 205-060-766-001 | Mount              | 1              |     |
| 63          | MS35207-264     | Screw              | 3              |     |
| 64          | NAS1149D0363J   | Washer             | 3              |     |
| 65          | NAS1149C0432R   | Washer             | 1              |     |
| 66          | AN970-4         | Washer             | 1              |     |
| 67          | AN970-4         | Washer             | 1              |     |
| 68          | NAS1149C0432R   | Washer             | 1              |     |
| 69          | NAS1149D0463J   | Washer             | 1              |     |
| 70          | MS14145L4       | Nut                | 1              |     |
| 71          | MS24665-152     | Pin, Cotter        | 1              |     |
| 72          | AN173-12        | Bolt               | 1              |     |
| 73          | NAS1149D0363J   | Washer             | 2              |     |
| 74          | NAS1149D0363J   | Washer             | 2              |     |
| 75          | NAS1149D0363J   | Washer             | 1              |     |
| 76          | MS14145L3       | Nut                | 1              |     |
| 77          | MS24665-152     | Pin, Cotter        | 1              |     |
| 78          | MS27640-4       | Bearing            | 1              |     |
| 78          | 120-011-4A      | Sleeve             | 1              |     |
| 79          | 205-060-719-001 | Bellcrank          | 1              |     |

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CHAPTER 76 – ENGINE CONTROLS (76-00-00)

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CHAPTER 76 – ENGINE CONTROLS (76-00-00)

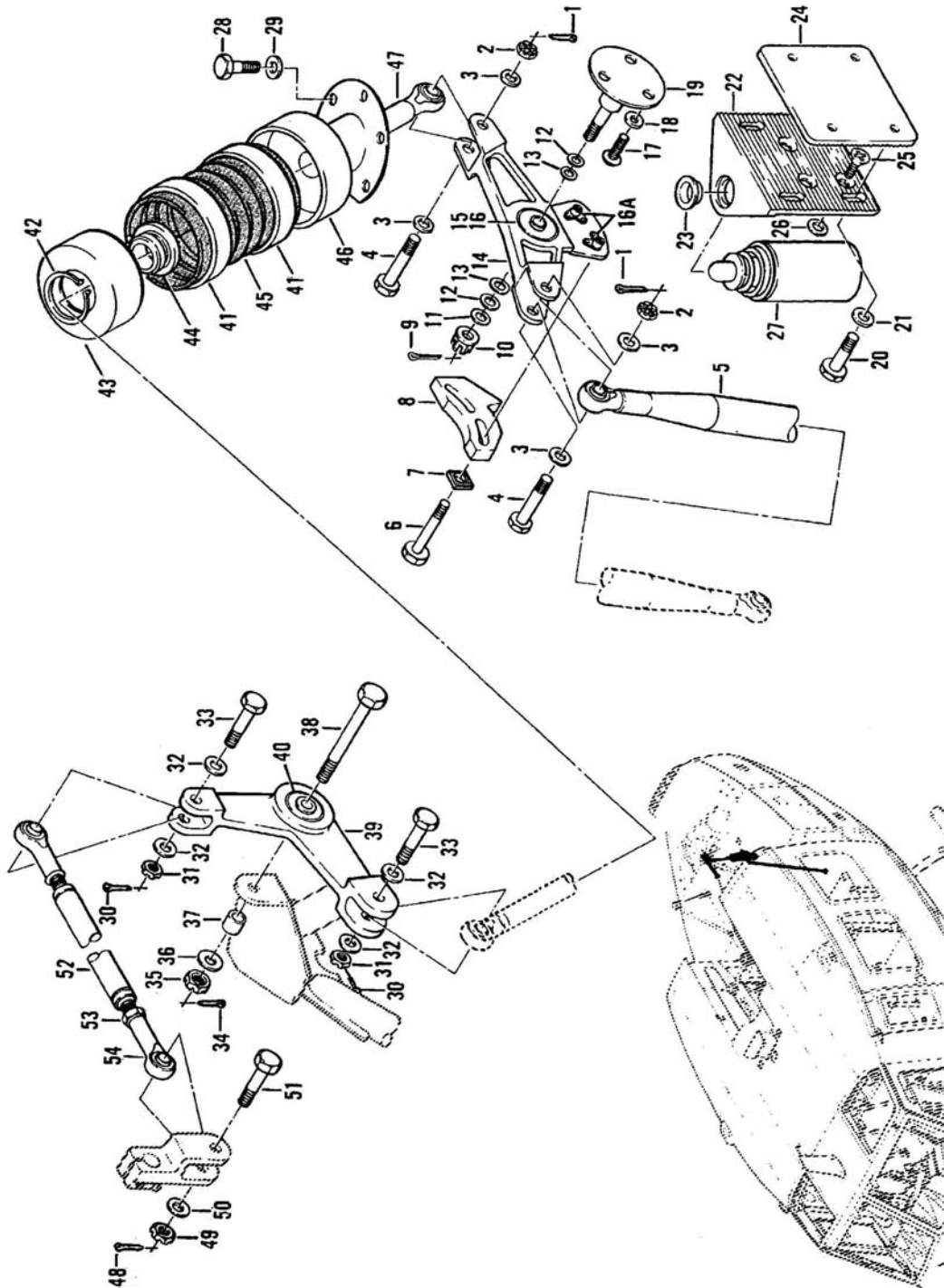


Figure 76-2 Controls Installation, Power Lever

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| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 76-2 |                 |                    |                |     |
| 1           | MS24665-152     | Pin, Cotter        | 2              |     |
| 2           | MS14145L3       | Nut                | 2              |     |
| 3           | NAS1149D0363J   | Washer             | 4              |     |
| 4           | AN173-12        | Bolt               | 2              |     |
| 5           | 205-060-729-025 | Rod Assembly       | 1              |     |
| 6           | AN3-7A          | Bolt               | 2              |     |
| 7           | 204-060-796-001 | Washer             | 2              |     |
| 8           | 204-060-795-005 | Cam                | 1              |     |
| 9           | MS24665-152     | Pin, Cotter        | 1              |     |
| 10          | MS14145L4       | Nut                | 1              |     |
| 11          | NAS1149D0463J   | Washer             | 1              |     |
| 12          | NAS1149C0432R   | Washer             | 2              |     |
| 13          | AN970-4         | Washer             | 2              |     |
| 14          | 205-060-721-001 | Bellcrank Assembly | 1              |     |
| 15          | MS27640-4       | Bearing            | 1              |     |
| 16          | 120-011-4A      | Sleeve             | 1              |     |
| 16A         | MS21073L3       | Nutplate           | 2              |     |
| 17          | MS35207-263     | Screw              | 3              |     |
| 18          | NAS1149D0363J   | Washer             | 3              |     |
| 19          | 205-060-766-001 | Mount              | 1              |     |
| 20          | AN3-5A          | Bolt               | 4              |     |
| 21          | NAS1149D0332J   | Washer             | 4              |     |
| 22          | 204-060-797-005 | Bracket (Note 1)   | 1              |     |
| 23          | 22-007B20-12-18 | Bushing            | 1              |     |
| 24          | 205-060-772-001 | Base               | 1              |     |
| 25          | MS24693-C270    | Screw              | 4              |     |
| 26          | 120-031-12-7    | Shim (Note 1)      | 4              |     |
| 27          | 209-062-761-001 | Valve, Solenoid    | 1              |     |
| 28          | AN3-3A          | Bolt               | 5              |     |
| 29          | NAS1149F0332P   | Washer             | 5              |     |
| 30          | MS24665-152     | Pin, Cotter        | 2              |     |
| 31          | MS14145L3       | Nut                | 2              |     |
| 32          | NAS1149F0363P   | Washer             | 4              |     |
| 33          | AN173-11        | Bolt               | 2              |     |
| 34          | MS24665-152     | Pin, Cotter        | 1              |     |
| 35          | MS14145L4       | Nut                | 1              |     |
| 36          | NAS1149F0432P   | Washer             | 1              |     |
| 37          | 50Z16-9-2       | Spacer             | 1              |     |
| 38          | AN174-24        | Bolt               | 1              |     |
| 39          | 204-060-743-005 | Lever              | 1              |     |
| 40          | MS27644-4       | Bearing            | 1              |     |
| 41          | AN737TW82       | Clamp              | 2              |     |

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| Item Number | Part Number                                                                              | Item Name        | Unit per Assy. | UOC |
|-------------|------------------------------------------------------------------------------------------|------------------|----------------|-----|
| Figure 76-2 |                                                                                          |                  |                |     |
| 42          | MS16624-1081                                                                             | Retainer         | 1              |     |
| 43          | 204-060-767-001                                                                          | Retainer         | 1              |     |
| 44          | 204-060-769-001                                                                          | Bushing          | 1              |     |
| 45          | 205-060-732-001                                                                          | Boot Assembly    | 1              |     |
| 46          | D212-725-1-929                                                                           | Housing Assembly | 1              |     |
| 47          | 205-060-734-011                                                                          | Rod Assembly     | 1              |     |
| 48          | MS24665-152                                                                              | Pin, Cotter      | 1              |     |
| 49          | AN320C3                                                                                  | Nut              | 1              |     |
| 50          | NAS1149C0332R                                                                            | Washer           | 1              |     |
| 51          | NAS1003-10                                                                               | Bolt             | 1              |     |
| 52          | 205-060-733-009                                                                          | Rod Assembly     | 1              |     |
| 53          | AN316-4R                                                                                 | Nut              | 1              |     |
| 54          | MS21153-1                                                                                | Bearing          | 1              |     |
|             | Note 1: 120-031-12-7 shim are not required when 204-060-797-005 Bracket Assembly is used |                  |                |     |
|             |                                                                                          |                  |                |     |
|             |                                                                                          |                  |                |     |
|             |                                                                                          |                  |                |     |
|             |                                                                                          |                  |                |     |
|             |                                                                                          |                  |                |     |
|             |                                                                                          |                  |                |     |

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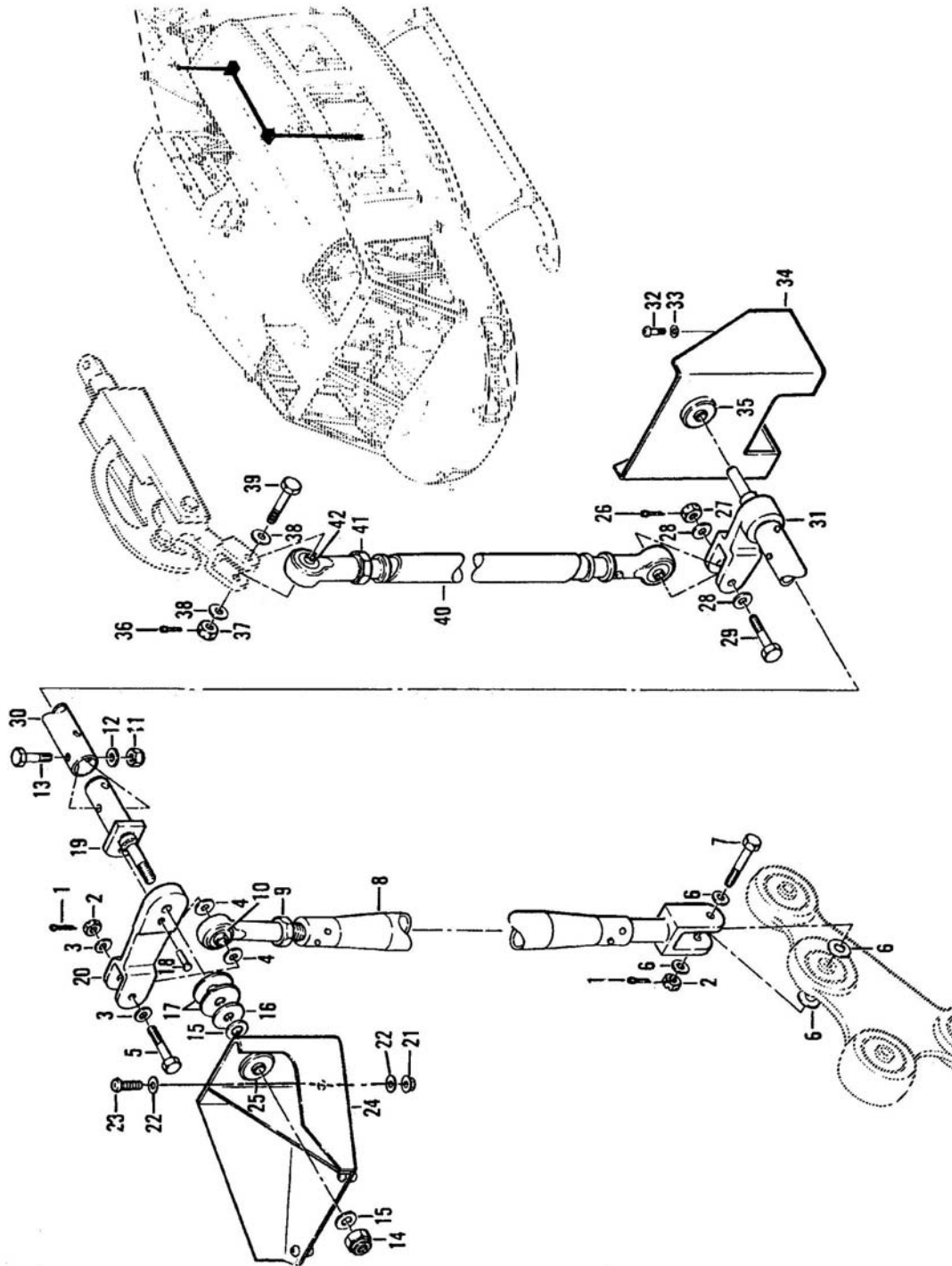


Figure 76-3 Controls Installation, Droop Compensator

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| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 76-3 |                 |                    |                |     |
| 1           | MS24665-152     | Pin, Cotter        | 2              |     |
| 2           | AN310-3         | Nut                | 2              |     |
| 3           | NAS1149D0332J   | Washer             | 2              |     |
| 4           | NAS1149F0332P   | Washer             | 2              |     |
| 5           | AN173-10        | Bolt               | 1              |     |
| 6           | NAS1149D0363J   | Washer             | 4              |     |
| 7           | AN173-12        | Bolt               | 1              |     |
| 8           | 205-060-702-001 | Tube Assembly      | 1              |     |
| 9           | AN316-5R        | Nut                | 1              |     |
| 10          | MS21153-2       | Bearing            | 1              |     |
| 11          | MS21042L3       | Nut                | 2              |     |
| 12          | NAS1149C0363R   | Washer             | 2              |     |
| 13          | AN173-10A       | Bolt               | 2              |     |
| 14          | MS21042L4       | Nut                | 1              |     |
| 15          | NAS1149F0463P   | Washer             | 2              |     |
| 16          | 204-060-750-001 | Washer             | 1              |     |
| 17          | 204-060-751-001 | Shim               | 2              |     |
| 18          | 204-060-752-005 | Pin                | 1              |     |
| 19          | 205-060-752-001 | Fitting            | 1              |     |
| 20          | 205-060-751-003 | Bellcrank          | 1              |     |
| 21          | MS21042L3       | Nut                | 3              |     |
| 22          | NAS1149D0332J   | Washer             | 6              |     |
| 23          | MS27039-1-10    | Screw              | 3              |     |
| 24          | 205-060-716-001 | Bracket Assembly   | 1              |     |
| 25          | MS20218-1       | Bearing            | 1              |     |
| 26          | MS24665-152     | Pin, Cotter        | 1              |     |
| 27          | AN310-3         | Nut                | 1              |     |
| 28          | NAS1149D0332J   | Washer             | 2              |     |
| 29          | AN173-11        | Bolt               | 1              |     |
| 30          | 205-060-710-001 | Jackshaft Assembly | 1              |     |
| 31          | 205-060-754-001 | Bellcrank          | 1              |     |
| 32          | MS35207-261     | Screw              | 4              |     |
| 33          | NAS1149F0332P   | Washer             | 4              |     |
| 34          | 205-060-715-001 | Support Assembly   | 1              |     |
| 35          | MS20218-1       | Bearing            | 1              |     |
| 36          | MS24665-152     | Pin, Cotter        | 1              |     |
| 37          | AN310-3         | Nut                | 1              |     |
| 38          | NAS1149D0332J   | Washer             | 2              |     |
| 39          | AN173-11        | Bolt               | 1              |     |
| 40          | 205-060-712-001 | Rod Assembly       | 1              |     |
| 41          | AN316-4R        | Nut                | 1              |     |
| 42          | MS21153-1       | Bearing            | 1              |     |

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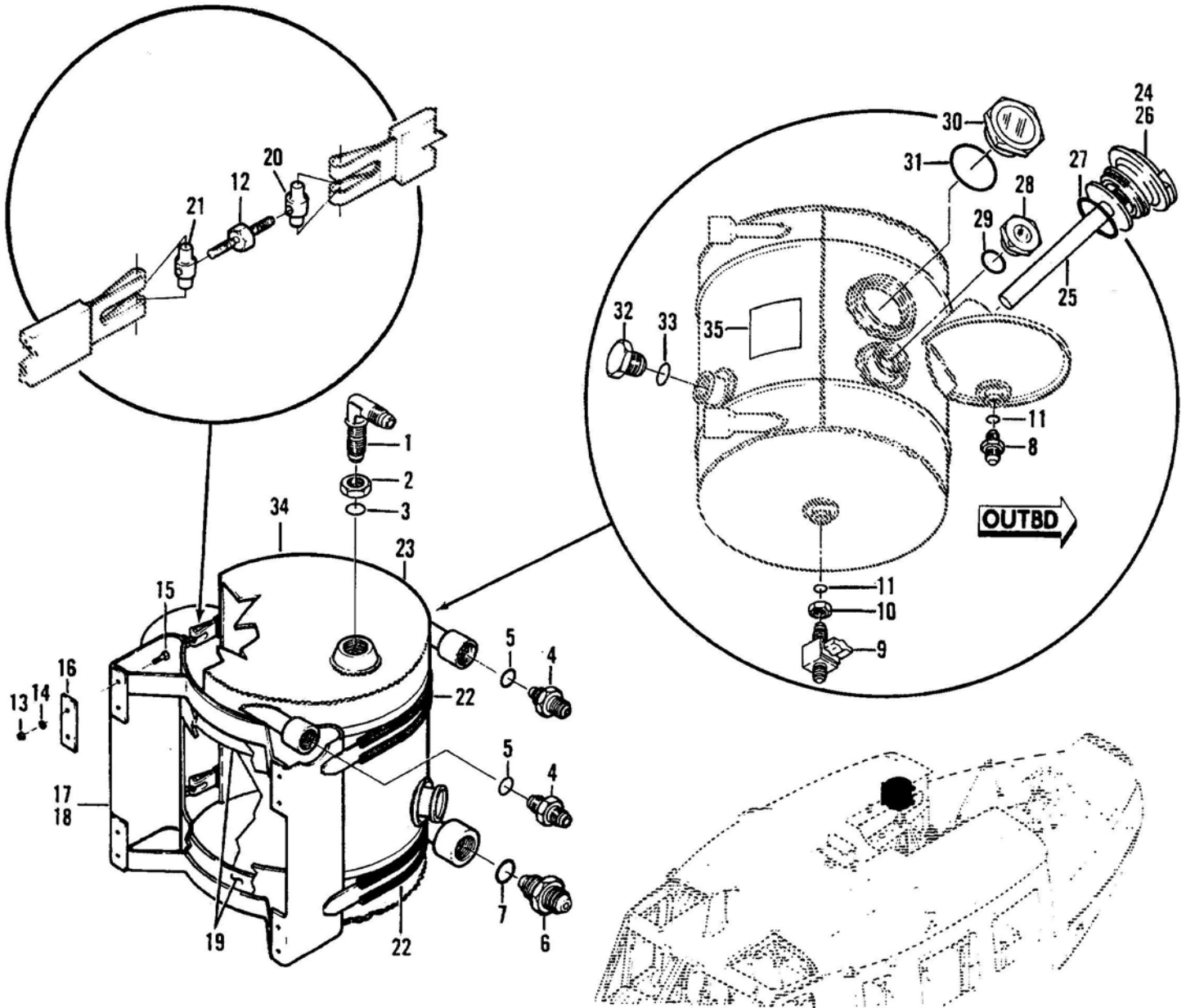


Figure 79-1 Engine Oil System Installation



CHAPTER 79 – ENGINE OIL SYSTEM (79-00-00)

| Item Number | Part Number     | Item Name                 | Unit per Assy. | UOC |
|-------------|-----------------|---------------------------|----------------|-----|
| Figure 79-1 |                 |                           |                |     |
| 1           | AN833-12J       | Elbow                     | 1              |     |
| 2           | AN924-12        | Nut                       | 1              |     |
| 3           | M83248/1-912    | Packing, Preformed        | 1              |     |
| 4           | AN815-12        | Union                     | 2              |     |
| 5           | M83248/1-912    | Packing, Preformed        | 2              |     |
| 6           | AN815-16        | Union                     | 1              |     |
| 7           | M83248/1-916    | Packing, Preformed        | 1              |     |
| 8           | AN815-6         | Union                     | 1              |     |
| 9           | 465C62NSV       | Valve                     | 1              |     |
| 10          | AN924-6         | Nut                       | 1              |     |
| 11          | M83248/1-906    | Packing, Preformed        | 2              |     |
| 12          | NAS27-3-22      | Turnbuckle                | 2              |     |
| 13          | MS21042L3       | Nut                       | 8              |     |
| 14          | NAS1149D0332J   | Washer                    | 8              |     |
| 15          | AN3-10A         | Bolt                      | 8              |     |
| 16          | 205-061-521-001 | Block                     | 4              |     |
| 17          | 205-061-520-015 | Support Assembly          | 1              |     |
| 18          | 205-061-520-017 | Support Assembly          | 1              |     |
| 19          | 205-061-520-013 | Pad                       | 2              |     |
| 20          | NAS25-3L        | Trunnion                  | 2              |     |
| 21          | NAS25-3R        | Trunnion                  | 2              |     |
| 22          | MS27833-8-183   | Pad                       | 2              |     |
| 23          | 205-060-538-079 | Tank Assembly, Engine Oil | 1              |     |
| 24          | 205-061-530-001 | Cap Assembly              | 1              |     |
| 25          | 205-061-529-001 | Dipstick                  | 1              |     |
| 26          | 417-290         | Adapter                   | 1              |     |
| 27          | NAS617-28       | Packing, Preformed        | 1              |     |
| 28          | S20             | Plug                      | 1              |     |
| 29          | M83248/1-916    | Packing, Preformed        | 1              |     |
| 30          | S21             | Plug                      | 1              |     |
| 31          | NAS617-28       | Packing, Preformed        | 1              |     |
| 32          | AN806S16        | Plug                      | 1              |     |
| 33          | M83248/1-916    | Packing, Preformed        | 1              |     |
| 34          | 205-060-538-071 | Tank Assembly             | 1              |     |
| 35          | 204-060-528-001 | Nameplate                 | 1              |     |

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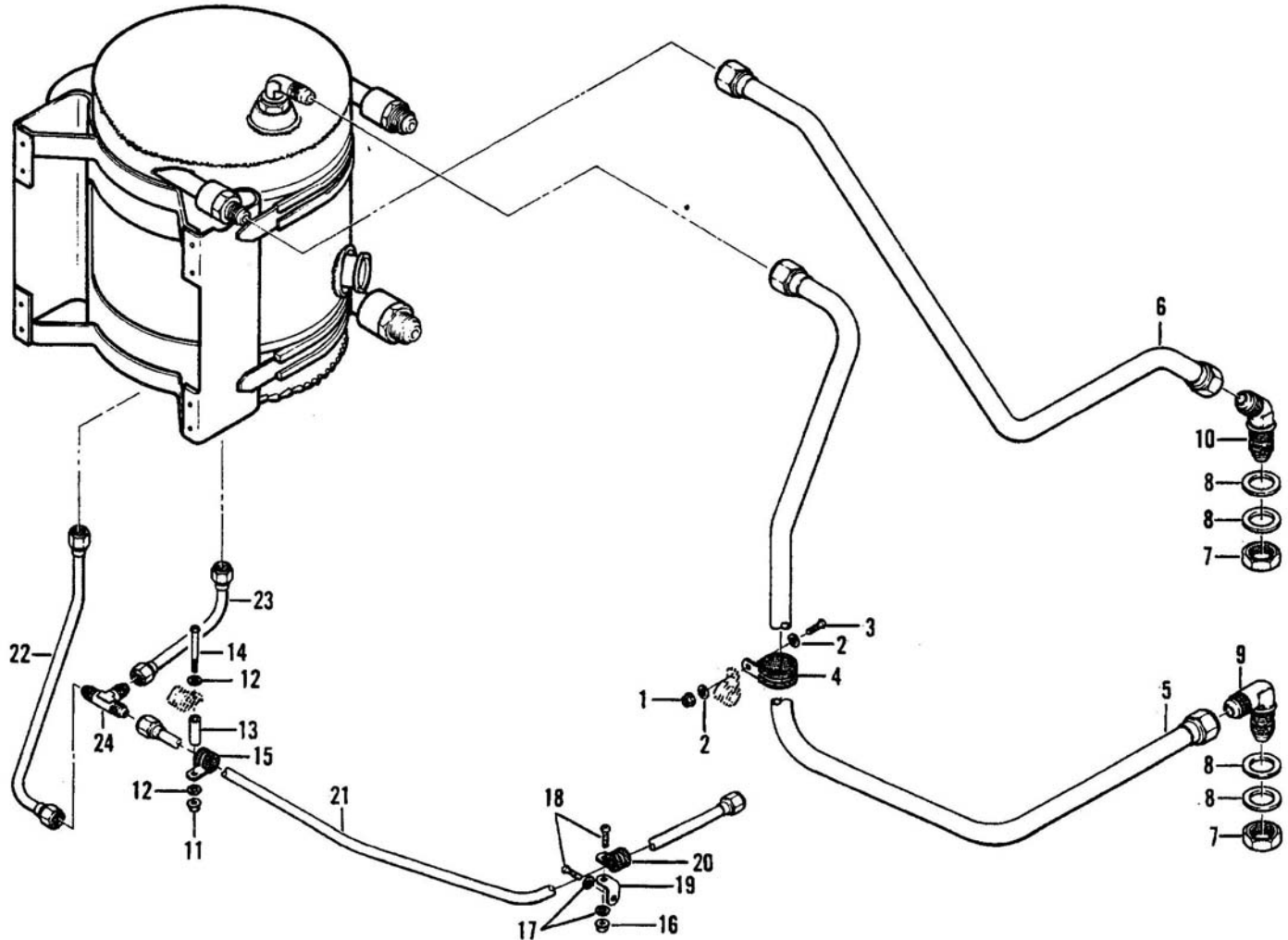


Figure 79-2 Oil System Installation



CHAPTER 79 – ENGINE OIL SYSTEM (79-00-00)

| Item Number | Part Number     | Item Name     | Unit per Assy. | UOC |
|-------------|-----------------|---------------|----------------|-----|
| Figure 79-2 |                 |               |                |     |
| 1           | MS21042L3       | Nut           | 1              |     |
| 2           | NAS1149D0332J   | Washer        | 2              |     |
| 3           | MS27039-1-15    | Screw         | 1              |     |
| 4           | MS21919WDG12    | Clamp         | 1              |     |
| 5           | 205-060-575-001 | Tube Assembly | 1              |     |
| 6           | 205-060-594-001 | Tube Assembly | 1              |     |
| 7           | AN924-12D       | Nut           | 2              |     |
| 8           | NAS1149D1790J   | Washer        | 4              |     |
| 9           | AN833-12J       | Elbow         | 1              |     |
| 10          | AN837-12        | Elbow         | 1              |     |
| 11          | MS21042L3       | Nut           | 1              |     |
| 12          | NAS1149D0332J   | Washer        | 2              |     |
| 13          | NAS43DD3-64     | Spacer        | 1              |     |
| 14          | MS27039-1-29    | Screw         | 1              |     |
| 15          | MS21919WDG6     | Clamp         | 1              |     |
| 16          | MS21042L3       | Nut           | 1              |     |
| 17          | NAS1149C0332R   | Washer        | 2              |     |
| 18          | MS27039-1-08    | Screw         | 2              |     |
| 19          | 20-032-1        | Bracket       | 1              |     |
| 20          | MS21919WDG6     | Clamp         | 1              |     |
| 21          | 205-060-593-001 | Tube Assembly | 1              |     |
| 22          | 205-060-592-001 | Tube Assembly | 1              |     |
| 23          | 205-060-591-001 | Tube Assembly | 1              |     |
| 24          | AN824-6J        | Tee           | 1              |     |
|             |                 |               |                |     |
|             |                 |               |                |     |
|             |                 |               |                |     |
|             |                 |               |                |     |
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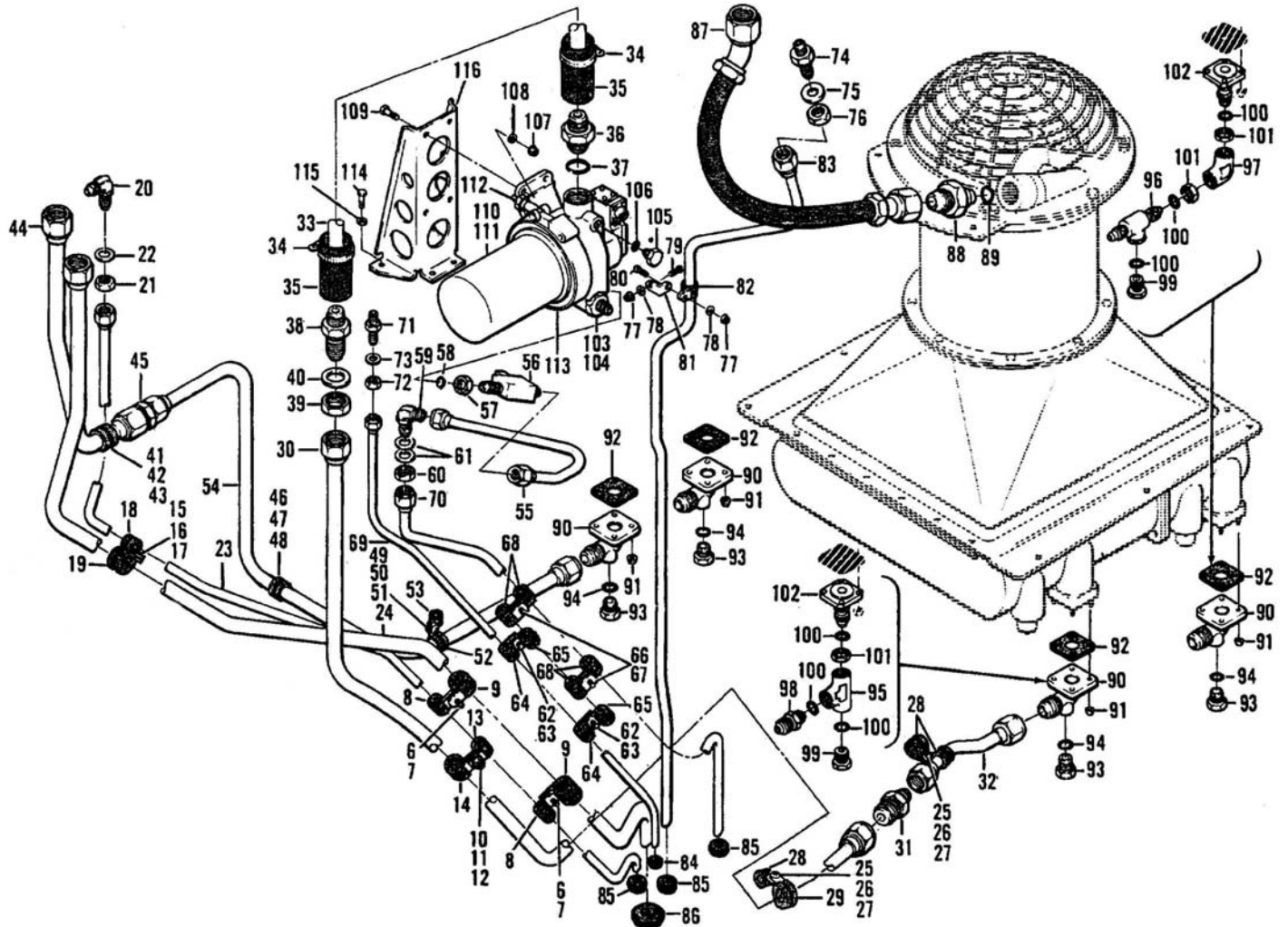


Figure 79-3 Oil System Installation



CHAPTER 79 – ENGINE OIL SYSTEM (79-00-00)

| Item Number | Part Number     | Item Name                      | Unit per Assy. | UOC |
|-------------|-----------------|--------------------------------|----------------|-----|
| Figure 79-3 |                 |                                |                |     |
| 6           | NAS1149D0332J   | Washer                         | 2              |     |
| 7           | AN525-10R8      | Screw                          | 2              |     |
| 8           | MS21919WDG6     | Clamp                          | 2              |     |
| 9           | MS21919WDG12    | Clamp                          | 2              |     |
| 10          | MS21042L3       | Nut                            | 1              |     |
| 11          | NAS1149D0332J   | Washer                         | 1              |     |
| 12          | AN525-10R8      | Screw                          | 1              |     |
| 13          | MS21919WDG6     | Clamp                          | 1              |     |
| 14          | MS21919WDG12    | Clamp                          | 1              |     |
| 15          | MS21042L3       | Nut                            | 1              |     |
| 16          | NAS1149D0332J   | Washer                         | 1              |     |
| 17          | AN525-10R7      | Screw                          | 1              |     |
| 18          | MS21919WDG6     | Clamp                          | 1              |     |
| 19          | MS21919WDG12    | Clamp                          | 1              |     |
| 20          | AN833-6         | Elbow                          | 1              |     |
| 21          | AN924-6D        | Nut                            | 1              |     |
| 22          | NAS1149D0963J   | Washer                         | 1              |     |
| 23          | 205-060-581-001 | Tube Assembly                  | 1              |     |
| 24          | D212-725-1-935  | Tube Assembly                  | 1              |     |
| 25          | MS21042L3       | Nut                            | 2              |     |
| 26          | NAS1149D0332J   | Washer                         | 2              |     |
| 27          | AN525-10R8      | Screw                          | 2              |     |
| 28          | MS21919WDG10    | Clamp                          | 3              |     |
| 29          | MS21919WDG12    | Clamp                          | 1              |     |
| 30          | 205-061-507-001 | Tube Assembly                  | 1              |     |
| 31          | AN919-20D       | Reducer                        | 1              |     |
| 32          | 205-061-505-001 | Tube Assembly                  | 1              |     |
| 32          | 205-061-532-001 | Tube Assembly (Alternate Part) | 1              |     |
| 33          | 205-061-523-001 | Tube Assembly                  | 1              |     |
| 33          | D212-725-1-921  | Tube Assembly (Alternate Part) | 1              |     |
| 33          | 156F003-12S0240 | Hose Assembly (Alternate Part) | 1              |     |
| 34          | AN737TW38       | Clamp                          | 2              |     |
| 35          | 205-061-531-017 | Shroud                         | 2              |     |
| 36          | AN919-20J       | Reducer                        | 1              |     |
| 37          | M83248/1-910    | Packing, Preformed             | 1              |     |
| 38          | AN832-12        | Union                          | 1              |     |
| 39          | AN924-12D       | Nut                            | 1              |     |
| 40          | NAS1149D1790J   | Washer                         | 1              |     |
| 41          | AN525-10R8      | Screw                          | 1              |     |
| 42          | NAS1149D0332J   | Washer                         | 1              |     |
| 43          | MS21919WDG10    | Clamp                          | 1              |     |
| 44          | 205-060-585-001 | Tube Assembly                  | 1              |     |



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| Item Number | Part Number     | Item Name                      | Unit per Assy. | UOC |
|-------------|-----------------|--------------------------------|----------------|-----|
| Figure 79-3 |                 |                                |                |     |
| 45          | AN919-20D       | Reducer                        | 1              |     |
| 46          | AN525-10R8      | Screw                          | 1              |     |
| 47          | NAS1149D0332J   | Washer                         | 1              |     |
| 48          | MS21919WDG10    | Clamp                          | 1              |     |
| 49          | MS21042L3       | Nut                            | 1              |     |
| 50          | NAS1149D0332J   | Washer                         | 1              |     |
| 51          | AN525-10R7      | Screw                          | 1              |     |
| 52          | MS21919WDG10    | Clamp                          | 1              |     |
| 53          | MS21919WDG4     | Clamp                          | 1              |     |
| 54          | 205-061-526-001 | Tube Assembly                  | 1              |     |
| 54          | 205-061-533-001 | Tube Assembly (Alternate Part) | 1              |     |
| 55          | 205-061-524-001 | Tube Assembly                  | 1              |     |
| 56          | 212-040-232-001 | Valve                          | 1              |     |
| 57          | AN924-6         | Nut                            | 1              |     |
| 58          | M83248/1-906    | Packing, Preformed             | 1              |     |
| 59          | AN833-6         | Elbow                          | 1              |     |
| 60          | AN924-6D        | Nut                            | 1              |     |
| 61          | NAS1149D0963J   | Washer                         | 2              |     |
| 62          | AN525-10R8      | Screw                          | 2              |     |
| 63          | NAS1149D0332J   | Washer                         | 2              |     |
| 64          | MS21919WDG4     | Clamp                          | 2              |     |
| 65          | MS21919WDG6     | Clamp                          | 2              |     |
| 66          | AN525-10R8      | Screw                          | 2              |     |
| 67          | NAS1149D0332J   | Washer                         | 2              |     |
| 68          | MS21919WDG6     | Clamp                          | 4              |     |
| 69          | 205-060-583-001 | Tube Assembly                  | 1              |     |
| 70          | 205-061-527-001 | Tube Assembly                  | 1              |     |
| 71          | AN832-4         | Union                          | 1              |     |
| 72          | AN924-4D        | Nut                            | 1              |     |
| 73          | NAS1149D0763J   | Washer                         | 1              |     |
| 74          | AN832-4         | Union                          | 1              |     |
| 75          | NAS1149D0763J   | Washer                         | 1              |     |
| 76          | AN924-4         | Nut                            | 1              |     |
| 77          | MS21042L3       | Nut                            | 2              |     |
| 78          | NAS1149D0332J   | Washer                         | 2              |     |
| 79          | AN525-10R7      | Screw                          | 1              |     |
| 80          | AN525-10R18     | Screw                          | 1              |     |
| 81          | AN743-12        | Bracket                        | 1              |     |
| 82          | MS21919WDG6     | Clamp                          | 1              |     |
| 83          | 205-061-528-001 | Tube Assembly                  | 1              |     |
| 84          | MS35489-6       | Grommet                        | 1              |     |
| 85          | MS35489-11      | Grommet                        | 3              |     |
| 86          | MS35489-135     | Grommet                        | 1              |     |

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CHAPTER 79 – ENGINE OIL SYSTEM (79-00-00)

| Item Number | Part Number     | Item Name          | Unit per Assy. | UOC |
|-------------|-----------------|--------------------|----------------|-----|
| Figure 79-3 |                 |                    |                |     |
| 87          | 70-037B152-000  | Hose Assembly      | 1              |     |
| 88          | 204-060-494-011 | Fitting            | 1              |     |
| 89          | 3-916S613-60    | Packing, Preformed | 1              |     |
| 90          | AE5023379       | Fitting            | 4              |     |
| 91          | MS21042L3       | Nut                | 16             |     |
| 92          | 204-060-184-001 | Gasket             | 4              |     |
| 93          | AN814-6WL       | Plug               | 4              |     |
| 94          | M83248/1-906    | Packing, Preformed | 4              |     |
| 95          | AN938D10        | Tee                | 2              |     |
| 96          | AN783D10        | Tee                | 2              |     |
| 97          | AN939D10        | Elbow              | 2              |     |
| 98          | AN815-10D       | Union              | 2              |     |
| 99          | MS9015-10       | Plug               | 4              |     |
| 100         | M83248/1-910    | Packing, Preformed | 12             |     |
| 101         | AN924-10D       | Nut                | 6              |     |
| 102         | 204-060-567-001 | Fitting            | 4              |     |
| 103         | AN919-20J       | Reducer            | 1              |     |
| 104         | M83248/1-910    | Packing, Preformed | 1              |     |
| 105         | AN814-4J        | Plug               | 1              |     |
| 106         | M83248/1-904    | Packing, Preformed | 1              |     |
| 107         | MS21042L4       | Nut                | 4              |     |
| 108         | NAS1149D0463J   | Washer             | 4              |     |
| 109         | AN4-6A          | Bolt               | 4              |     |
| 110         | 225126          | Filter Assembly    | 1              |     |
| 111         | 137287          | Filter Element     | 1              |     |
| 112         | 200L4-275-5     | T-Bolt             | 1              |     |
| 113         | N4309S5-350     | Clamp Assembly     | 1              |     |
| 114         | AN3-3A          | Bolt               | 4              |     |
| 115         | NAS1149D0363J   | Washer             | 4              |     |
| 116         | 205-061-522-001 | Bracket            | 1              |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |
|             |                 |                    |                |     |
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CHAPTER 79 – ENGINE OIL SYSTEM (79-00-00)

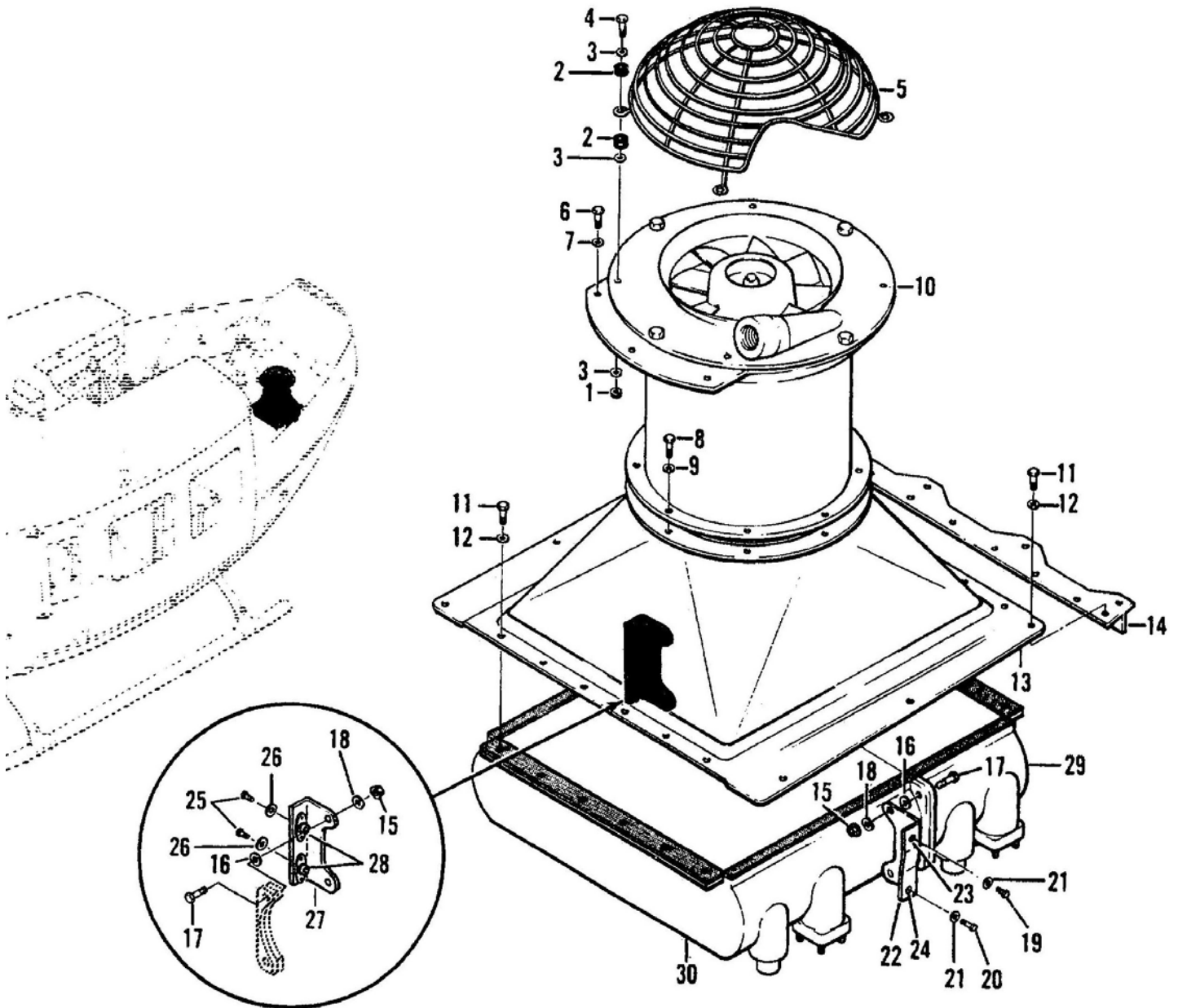
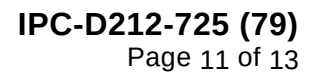


Figure 79-4 Oil System Installation

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CHAPTER 79 – ENGINE OIL SYSTEM (79-00-00)

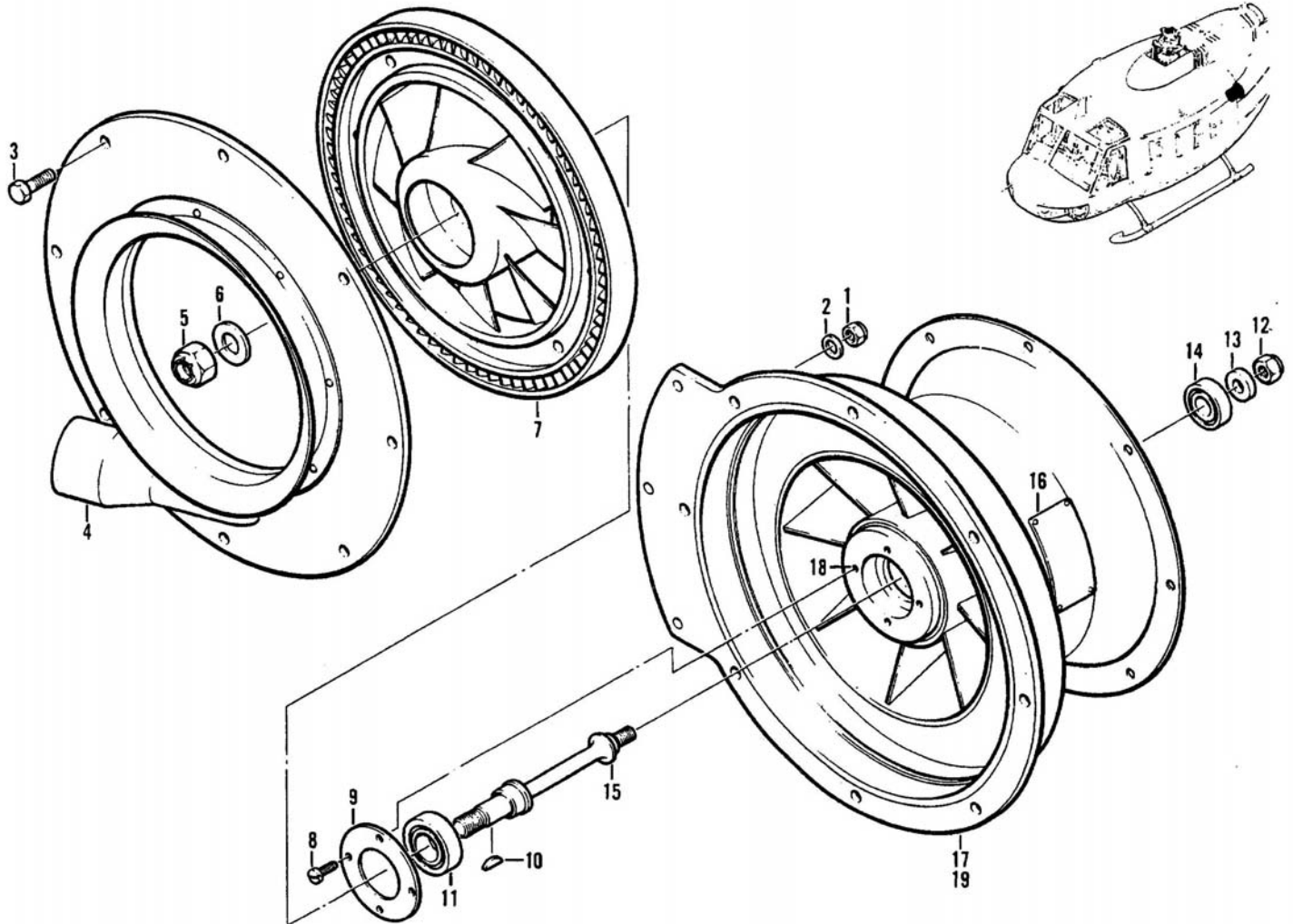


Figure 79-5 Turbine Fan Assembly, Engine Oil Cooling

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CHAPTER 79 – ENGINE OIL SYSTEM (79-00-00)

| Item Number | Part Number   | Item Name                | Unit per Assy. | UOC |
|-------------|---------------|--------------------------|----------------|-----|
| Figure 79-5 |               |                          |                |     |
| 1           | MS20365-428A  | Nut                      | 8              |     |
| 2           | NAS1149F0463P | Washer                   | 8              |     |
| 3           | AN4-7A        | Bolt                     | 8              |     |
| 4           | 132105-2      | Turbine and Fan Assembly | 1              |     |
| 5           | MS21044N7     | Nut                      | 1              |     |
| 6           | NAS1149F0763P | Washer                   | 1              |     |
| 7           | R3466-5       | Fan and Turbine Assembly | 1              |     |
| 8           | MS35266-64    | Screw                    | 4              |     |
| 9           | R3648-1       | Retainer                 | 1              |     |
| 10          | MS35756-6     | Key                      | 1              |     |
| 11          | 9103PP        | Bearing                  | 1              |     |
| 12          | MS21044N5     | Nut                      | 1              |     |
| 13          | R2607-1       | Washer                   | 1              |     |
| 14          | H33C32        | Bearing                  | 1              |     |
| 15          | R3467-1       | Shaft                    | 1              |     |
| 16          | 158051-1      | Plate                    | 1              |     |
| 17          | R3393-4       | Housing Assembly         | 1              |     |
| 18          | 1191-3CNX570  | Insert                   | 4              |     |
| 19          | R3699-1       | Housing Assembly         | 1              |     |
|             |               |                          |                |     |
|             |               |                          |                |     |
|             |               |                          |                |     |
|             |               |                          |                |     |
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CHAPTER 95 – INSTRUMENTS (95-00-00)

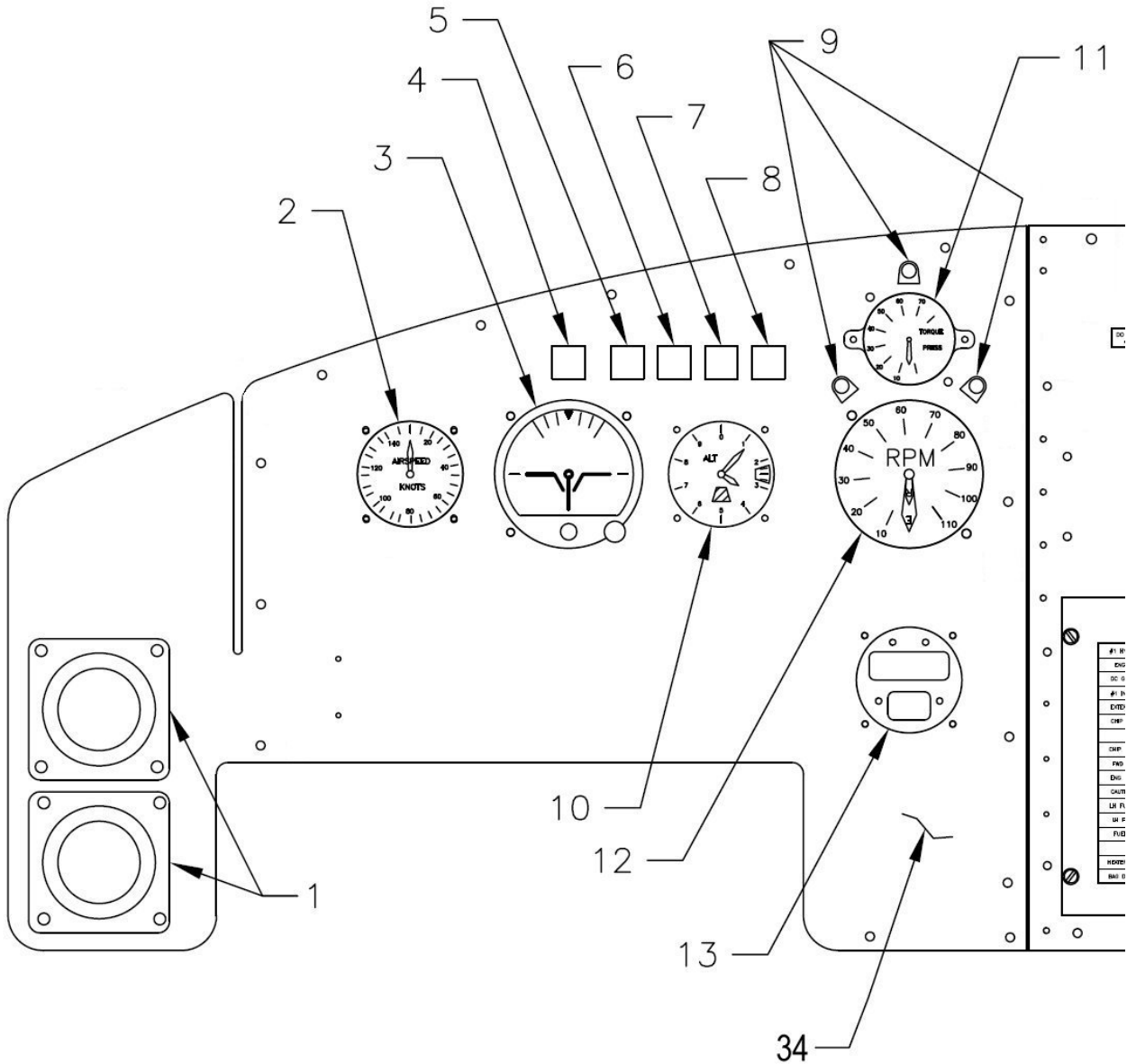


Figure 95-1 Instrument Panel Assembly (Sheet 1 of 3)  
(S/N's 30687, 30931, 30576, 30817 and 30599)

CHAPTER 95 – INSTRUMENTS (95-00-00)

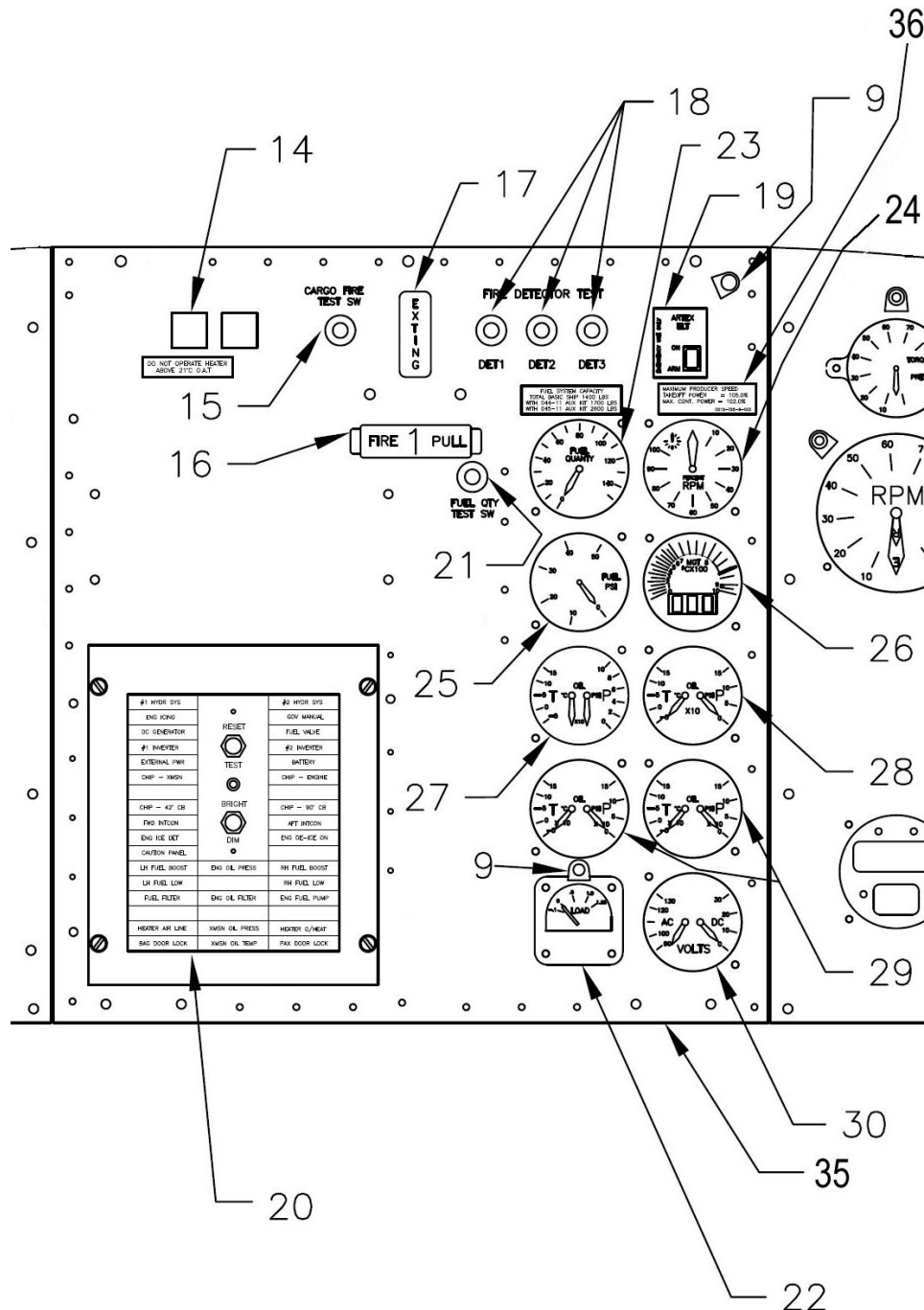


Figure 95-1 Instrument Panel Assembly (Sheet 2 of 3)  
(S/N's 30687, 30931, 30576, 30817 and 30599)

CHAPTER 95 – INSTRUMENTS (95-00-00)

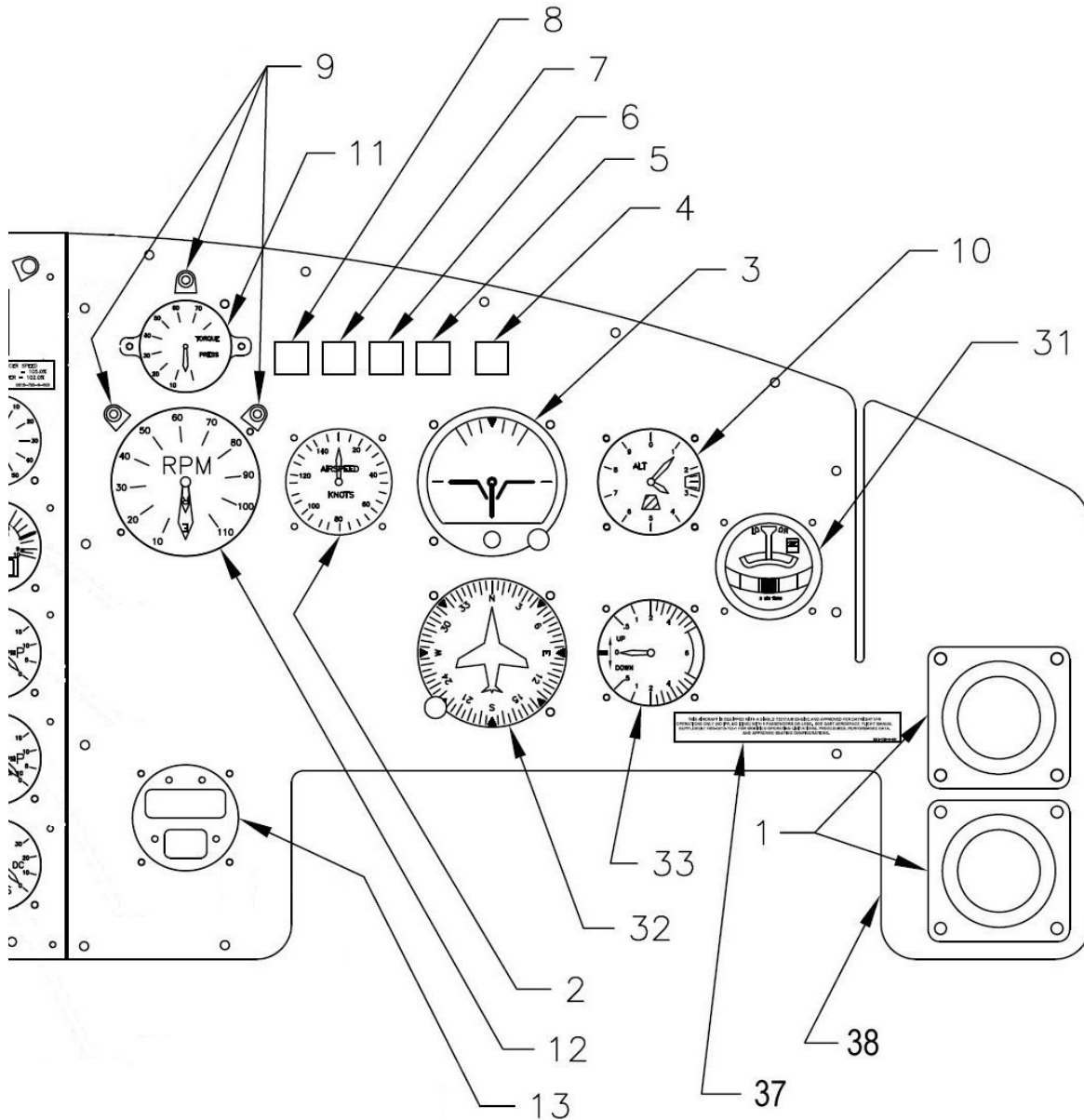


Figure 95-1 Instrument Panel Assembly (Sheet 3 of 3)  
(S/N's 30687, 30931, 30576, 30817 and 30599)



CHAPTER 95 – INSTRUMENTS (95-00-00)

| Item Number | Part Number           | Item Name                                       | Unit per Assy. | UOC |
|-------------|-----------------------|-------------------------------------------------|----------------|-----|
| Figure 95-1 |                       |                                                 |                |     |
| 1           | 204-070-483-001       | Air Vent                                        | 4              |     |
| 2           | 5A58.22.18K.28.1.HN   | Airspeed Indicator                              | 2              |     |
| 3           | RCA2600-3             | Attitude Indicator                              | 2              |     |
| 4           | LED-40-17-HK-35396    | AY1 Master Caution (Yellow)                     | 2              |     |
| 5           | LED-40-17-HK-35397    | AR1 Engine, RPM (Red)                           | 2              |     |
| 6           | LED-40-17-HK-36154    | AR1 Rotor RPM (Yellow)                          | 2              |     |
| 7           | LED-40-17-HK-35399    | AR1 Baggage Fire (Red)                          | 2              |     |
| 8           | LED-40-17-HK-35400    | AY1 Cargo Release Armed Light (Red)             | 2              |     |
| 9           | 01-0770119-12         | Post Light                                      | 8              |     |
| 10          | 15035-01102           | Altimeter                                       | 2              |     |
| 11          | 205-075-170-001       | Torque Indicator                                | 2              |     |
| 11          | 205-070-043-001       | Glass                                           | 2              |     |
| 12          | 204-072-129-005       | Dual Tach Indicator                             | 2              |     |
| 13          | 811B-24               | Clock                                           | 2              |     |
| 14          | LED-40-17-EJ-36155    | Heater Light                                    | 1              |     |
| 15          | MS25089-3C            | Baggage Fire Test Switch                        | 1              |     |
| 16          | 209-070-280-101       | Handle Fire 1                                   | 1              |     |
| 17          | 204-075-815-003       | Guard                                           | 1              |     |
| 17          | MS24523-30            | Switch                                          | 1              |     |
| 18          | W103P3                | Fire Test Switch                                | 3              |     |
| 19          | Part of ELT-100HM Kit | ELT Test Switch                                 | 1              |     |
| 20          | D212-725-7-017        | Master Caution Panel                            | 1              |     |
| 21          | MS25089-3C            | Fuel Quantity Test Switch                       | 1              |     |
| 22          | MS25025-1             | Loadmeter                                       | 1              |     |
| 23          | D212-725-7-001        | Fuel Quantity Indicator                         | 1              |     |
| 24          | D212-725-7-003        | Gas Producer Tach Indicator                     | 1              |     |
| 25          | D212-725-7-005        | Fuel Pressure Indicator                         | 1              |     |
| 26          | 61000-092             | EGT/MGT Indicator                               | 1              |     |
| 27          | D212-725-7-009        | Transmission Oil Temperature/Pressure Indicator | 1              |     |
| 28          | D212-725-7-011        | Engine Oil Temperature/Pressure Indicator       | 1              |     |
| 29          | D212-725-7-013        | Hydraulic Oil Temperature/Pressure Indicator    | 1              |     |
| 30          | D212-725-7-015        | Dual Voltage Indicator                          | 1              |     |
| 31          | 5550-8340N5L          | Turn and Bank Indicator                         | 1              |     |
| 32          | RCA15BK-1             | Directional Gyro                                | 1              |     |
| 33          | 35060-1106            | Instantaneous Vertical Speed Indicator          | 1              |     |
| 34          | D212-725-1-019        | Instrument Panel, LH                            | 1              |     |
| 35          | D212-725-1-021        | Instrument Panel, Center                        | 1              |     |
| 36          | D212-725-6-003        | Placard                                         | 1              |     |
| 37          | D212-725-6-001        | Placard                                         | 1              |     |
| 38          | D212-725-1-023        | Instrument Panel, RH                            | 1              |     |

CHAPTER 95 – INSTRUMENTS (95-00-00)

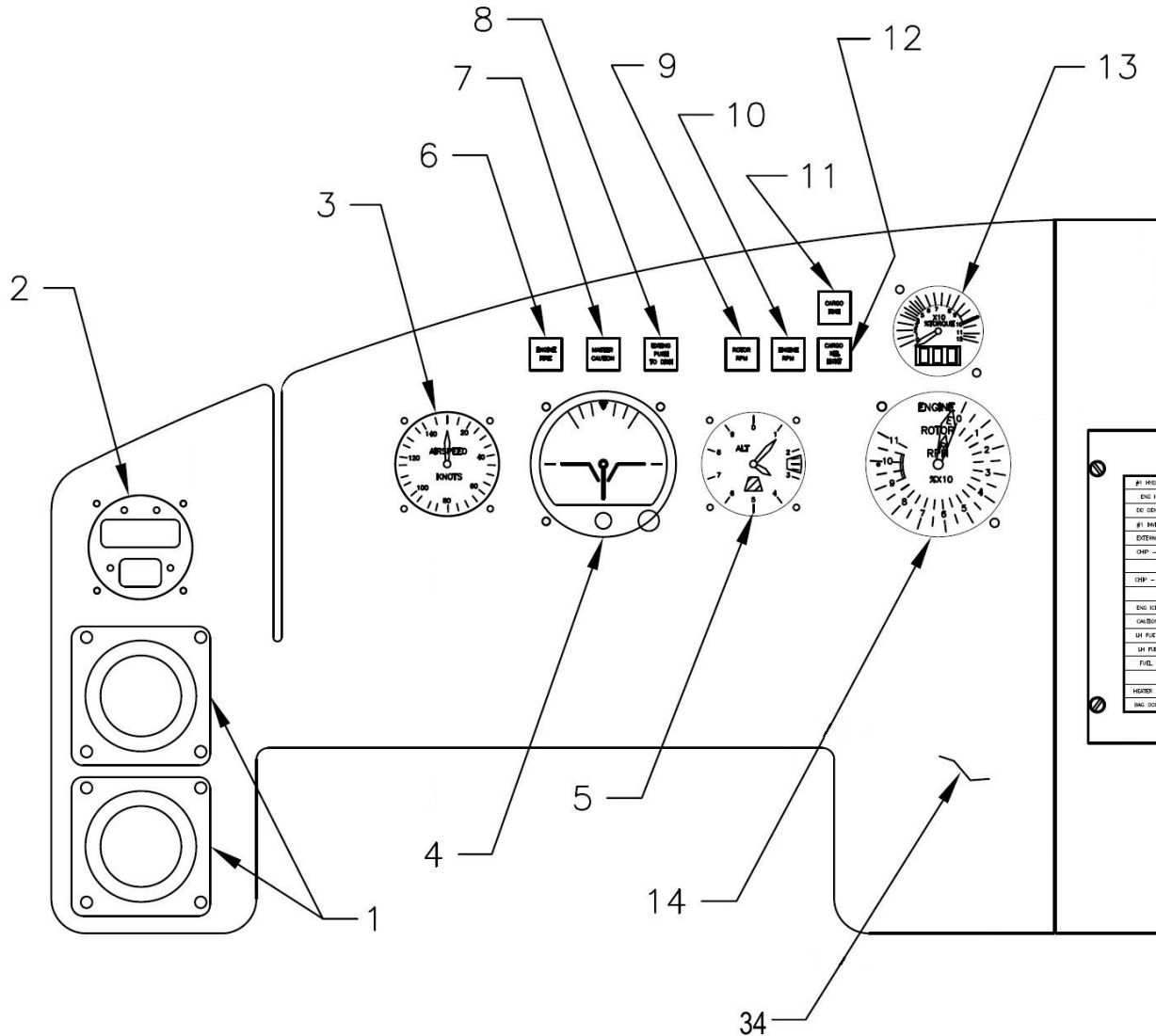


Figure 95-2 Instrument Panel Assembly (Sheet 1 of 3)  
(All S/N's except 30687, 30931, 30576, 30817, and 30599)

CHAPTER 95 – INSTRUMENTS (95-00-00)

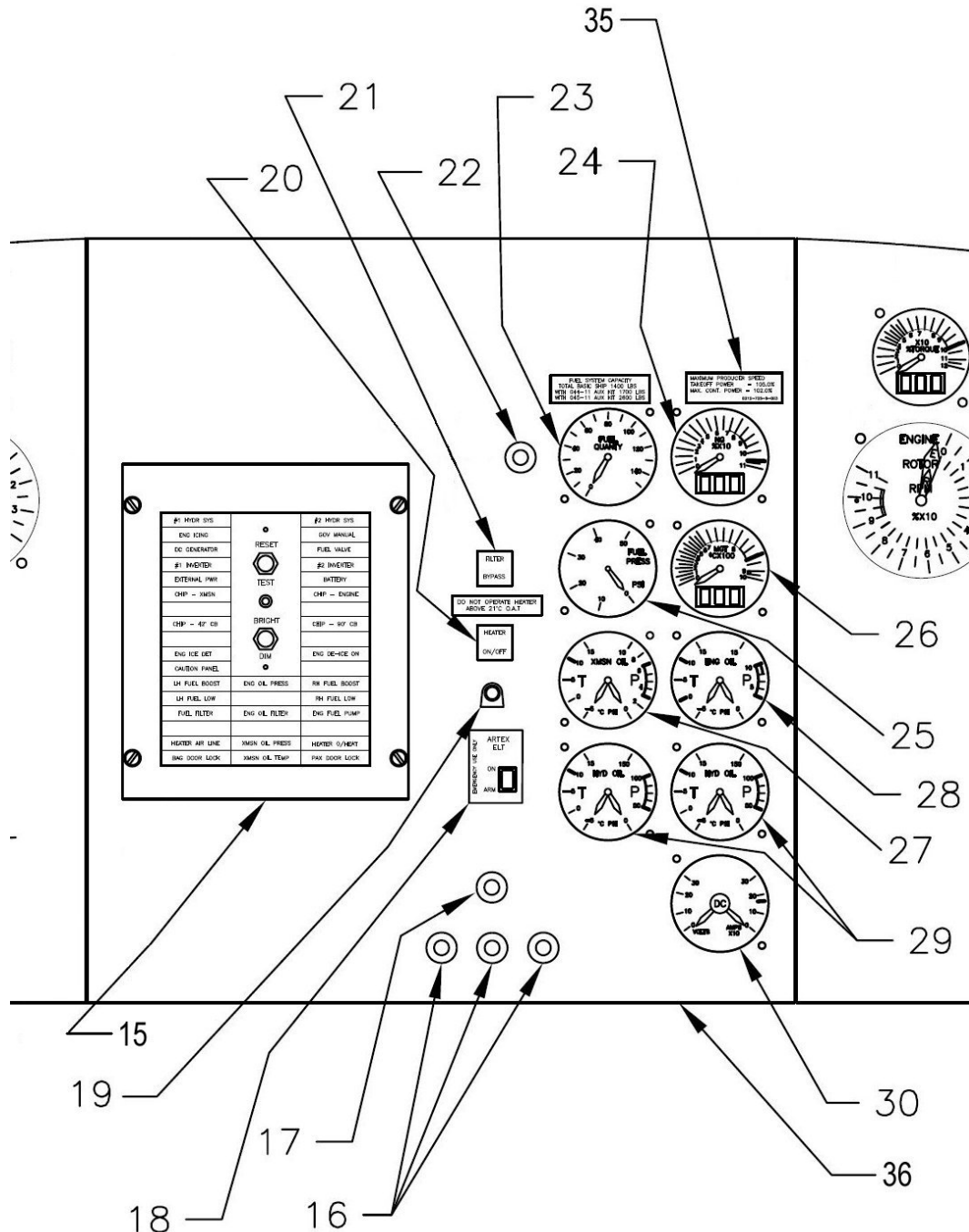


Figure 95-2 Instrument Panel Assembly (Sheet 2 of 3)  
(All S/N's except 30687, 30931, 30576, 30817, and 30599)

CHAPTER 95 – INSTRUMENTS (95-00-00)

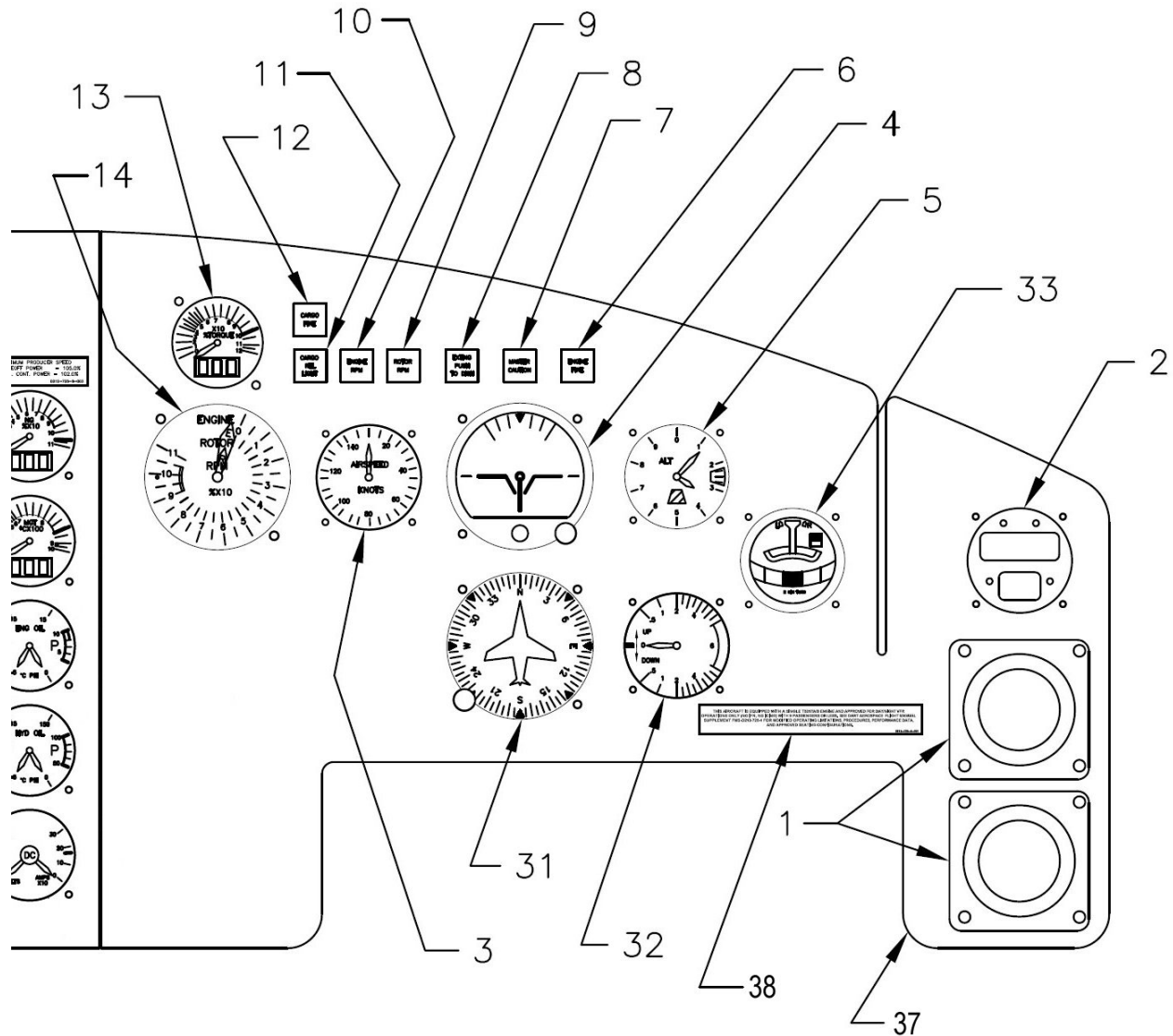


Figure 95-2 Instrument Panel Assembly (Sheet 3 of 3)  
(All S/N's except 30687, 30931, 30576, 30817, and 30599)



CHAPTER 95 – INSTRUMENTS (95-00-00)

| Item Number | Part Number              | Item Name                                               | Unit per Assy. | UOC |
|-------------|--------------------------|---------------------------------------------------------|----------------|-----|
| Figure 95-2 |                          |                                                         |                |     |
| 1           | 204-070-483-001          | Air Vent                                                | 4              |     |
| 2           | 811B-24                  | Clock                                                   | 2              |     |
| 3           | 5A58.22.18K.28.1.HN      | Airspeed Indicator                                      | 2              |     |
| 4           | RCA2600-3                | Attitude Indicator                                      | 2              |     |
| 5           | 15035-01102              | Altimeter                                               | 2              |     |
| 5           | 5237A-A.906              | Altimeter (Alternate Part)                              | 2              |     |
| 6           | LED-44-14-HK-38632       | Engine Fire Switch Light                                | 2              |     |
| 7           | LED-40-11-HK-35396       | Master Caution Light                                    | 2              |     |
| 8           | LED-43-11-HK-38633       | Fire Extinguisher Switch Light                          | 2              |     |
| 9           | LED-40-17-HK-36154       | Rotor RPM Light (Yellow)                                | 2              |     |
| 10          | LED-40-17-HK-35397       | Engine RPM Light (Red)                                  | 2              |     |
| 11          | LED-40-17-HK-35399       | Cargo Fire Light (Red)                                  | 2              |     |
| 12          | LED-40-17-HK-35400       | Cargo Release Armed Light (Red)                         | 2              |     |
| 13          | 65100-068                | Torque Pressure Indicator                               | 2              |     |
| 14          | 64200-003                | Dual Tach Indicator                                     | 2              |     |
| 15          | D212-725-7-017           | Master Caution Panel                                    | 1              |     |
| 16          | W103P3                   | Fire Test Switch                                        | 3              |     |
| 17          | MS25089-3C               | Cargo Fire Switch                                       | 1              |     |
| 18          | Part of ELT-100HM Kit    | ELT Test Switch                                         | 1              |     |
| 19          | 01-0770119-14            | Heater Light                                            | 1              |     |
| 20          | LED-40-17-EJ-36155       | Heater Switch                                           | 1              |     |
| 21          | Part of Inlet Filter Kit | Filter Bypass Switch Light (per SH07-49)                | 1              |     |
| 22          | MS25089-3C               | Fuel Quantity Test Switch                               | 1              |     |
| 23          | 393008-047               | Fuel Quantity Indicator                                 | 1              |     |
| 24          | 64000-026                | Gas Producer Tach Indicator                             | 1              |     |
| 25          | 411-10037                | Fuel Pressure Indicator                                 | 1              |     |
| 26          | 61000-092                | MGT Indicator                                           | 1              |     |
| 27          | 65000-018                | Transmission Oil Temperature/Pressure Indicator         | 1              |     |
| 28          | 65000-031                | Engine Oil Temperature/Pressure Indicator               | 1              |     |
| 29          | 65000-030                | Hydraulic Oil Temperature/Pressure Indicator            | 2              |     |
| 30          | 711-10022                | Voltmeter/Ammeter                                       | 1              |     |
| 31          | RCA15BK-1                | Directional Gyro Indicator                              | 1              |     |
| 32          | 35060-1106               | Instantaneous Vertical Speed Indicator                  | 1              |     |
| 32          | 4A58.22.60F.28.1.BH      | Instantaneous Vertical Speed Indicator (Alternate Part) | 1              |     |
| 33          | 5550-8340N5L             | Turn and Bank Indicator                                 | 1              |     |
| 34          | D212-725-1-205           | Instrument Panel, LH                                    | 1              |     |
| 35          | D212-725-6-003           | Placard                                                 | 1              |     |
| 36          | D212-725-1-207           | Instrument Panel, Center                                | 1              |     |
| 37          | D212-725-1-209           | Instrument Panel, RH                                    | 1              |     |
| 38          | D212-725-6-001           | Placard                                                 | 1              |     |



CHAPTER 96 – ELECTRICAL SYSTEM (96-00-00)

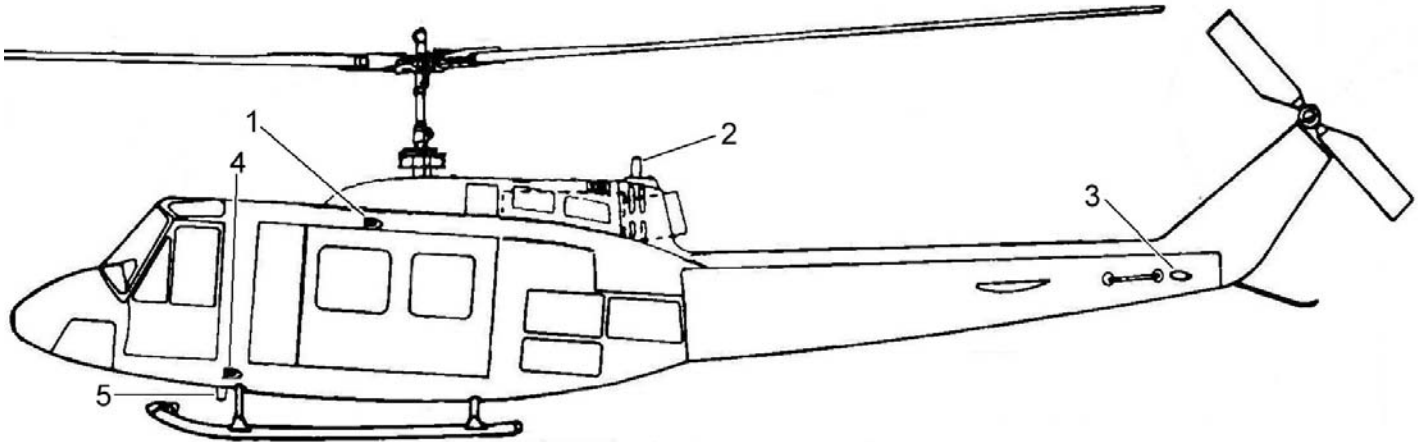


Figure 96-1 Position and Strobe Lights

| Item Number | Part Number   | Item Name                 | Unit per Assy. | UOC |
|-------------|---------------|---------------------------|----------------|-----|
| Figure 96-1 |               |                           |                |     |
| 1           | 01-0770875-02 | Light, Upper Position, LH | 1              |     |
| 1           | 01-0770875-01 | Light, Upper Position, RH | 1              |     |
| 2           | 01-0770905-01 | Light, Upper Strobe       | 1              |     |
| 3           | 01-0771011-02 | Light, Tail Navigation    | 2              |     |
| 4           | 01-0770875-02 | Light, Lower Position, LH | 1              |     |
| 4           | 01-0770875-01 | Light, Lower Position, RH | 1              |     |
| 5           | 01-0770905-01 | Light, Lower Strobe       | 1              |     |



CHAPTER 97 – AVIONICS (97-00-00)

# CHAPTER 97 AVIONICS (97-00-00)

## REFER TO BHT-212-IPC

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