

ILLUSTRATED PARTS CATALOGUE



DA42 L360



D42L-IPC-003

This IPC is a supplement and needs to be used in conjunction with the current DA42 or DA42-NG IPC. Complete catalogue information for the chapters not affected by TCCA STC No. SA09-54 (FAA STC No. SA02725NY) are available in the Diamond Aircraft DA42 or the DA42-NG IPC.

- For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and with serial numbers 42.ACXXX, complete catalogue information is available in the Diamond Aircraft DA42 IPC, Document Number 7.03.01.
- For aircraft with serial numbers 42.NCXXX (and 42.081 and 42.302) complete catalogue information is available in the Diamond Aircraft DA42-NG IPC, Document Number 7.03.15.

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REV 5

Initial Issue: 17 Feb 10
Revision 5: 15 Oct 21

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RECORD OF REVISIONS

This list is used to record and control all of the revisions for this Illustrated Parts Catalogue (IPC). This manual is available on the Diamond Website <http://support.diamond-air.at/techpubs+M52087573ab0.html>

NOTE: Hard copy revisions and incremental revisions are no longer available for the IPC and hard copies will not be distributed.

Make note of the revision letter on the revised page and the date of the revision, in the page footer.

A vertical bar in the left margin will show changes on the text pages and in the figures.

DAIC - Diamond Aircraft Industries Canada

Revision Number	Date Issued	Date Inserted	Inserted By	Revision Number	Date Issued	Date Inserted	Inserted By
1	17 Feb 10	17 Feb 10	DAIC				
2	31 Mar 10	31 Mar 10	DAIC				
3	16 May 12	16 May 12	DAIC				
4	15 Nov12	15 Nov 12	DAIC				
5	15 Oct 21	15 Oct 21	DAIC				

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HIGHLIGHTS

1. General

The table below highlights the changes that have been incorporated in this Revision 5.

CH-SE	Figure Number	Highlights
Front Matter	N/A	Revised the Cover Page, ROR, Highlights, LOEP, and Master TOC.
Master TOC	N/A	Revised the reference to the on-line IPC in several places. Added Figure 02 to Chapter 30. Revised GSE and Alpha Numeric Index.
Alpha Numeric Index	N/A	Revised the Alpha Numerical Listing to the manual.
Introduction	3 5 7 & 25 6, 8 - 24 & 26	Revised the Table Of Contents. Page number changes. Revised the General paragraph to indicate that the IPC is a supplement and must be used in conjunction with the current DA42 or DA42-NG IPC. The Diamond e-mail address revised to @diamondaircraft.com. Pagination.
All Chapters	N/A	Added title pages (2) to each chapter of the IPC.
30-80	02	Added Figure 02 - "TKS Propeller Nozzle Installation".
71-10	02	Changed the title for Figure 02. Updated Figure Items 050 and 140.
77-10	01 03 04 05	Revised the title for Figure 01. Revised the title for Figure 03. Revised the title for Figure 04. Revised the title for Figure 05.
GSE	N/A N/A	Added title pages 1 and 2 for Ground Support Equipment and Special Tools Pages 3 and 4 are due to pagination.

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LIST OF EFFECTIVE PAGES

1. General

The List of Effective Pages (LOEP) uses the following abbreviations:

- TOC = Table of Contents
- ROR = Record of Revisions

All Chapters have a Title page.

Each revision to the Illustrated Parts Catalogue (IPC) will have a new List of Effective Pages. Revised pages and the revision date will be shown by a revision bar.

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	03	Oil Pressure and Temperature Sensor Installation	6

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	05	Manifold Pressure	10
78 - 00		Exhaust	1
78 - 10		Exhaust	1
	01	Exhaust (Powerflow)	2
	02	Exhaust Assembly (Powerflow)	4
79 - 00		Oil System	1
79 - 10		Oil System	1
	01	Engine Oil Cooling System	2
	02	Engine Oil Filter	6
80 - 00		Starting	1
80 - 10		Starting	1
	01	Engine Starter	2
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	03	LH/RH Relay Assembly (LH Shown)	6
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NOTE: The Alpha Numeric Listing will be re-issued at each revision of the IPC and will not show revision bars for changed items.

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PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
A002BG	77-10-00-01-090	1
A2203-06	28-20-00-03-090A	2
A38L-117	28-10-00-01-010	1
A510-2	74-10-00-03-010	2
	80-10-00-02-050	2
A-600	32-40-00-01-090	2
A602BG	77-10-00-01-040	1
A-9726	24-30-00-01-270	1
AE3660060G0110	28-20-00-04-030	1
AE3663161G0153	73-10-00-01-130	1
AE3663161H0246	79-10-00-01-190	1
AE3663162H0157	79-10-00-01-180	1
AE3663163G0064	73-10-00-01-090	1
AE3663163G0130	73-10-00-01-150	1
AE6209G0100-270	73-10-00-01-140	1
AE6209G0376-080	61-20-00-01-070	
AE7010200G0087	28-20-00-03-080	1
AN3-10A	61-20-00-01-080	1
AN310C3	78-10-00-02-130	3
AN3135-8	30-80-00-01-040	4
AN3-13A	76-10-00-03-030	2
	76-10-00-04-030	2
AN316-3	61-20-00-01-130	1
	76-10-00-03-090	2
	76-10-00-04-100	2
AN316-6	73-10-00-02-180	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
AN3-3A	76-10-00-02-060	1
	76-10-00-02-090	1
	76-10-00-04-180	2
	79-10-00-01-070	3
AN340-6	24-60-00-04-180	2
	31-10-00-02-120	18
AN3-4A	21-40-00-01-030	1
	24-60-00-04-220	4
	31-10-00-01-070	6
	61-20-00-03-030	1
	71-60-00-01-070	2
	71-60-00-01-120	1
	76-10-00-04-240	2
	77-10-00-03-020	1
	79-10-00-01-130	1
	AN3-5A	71-50-00-01-030
71-50-00-01-080		1
AN363-720	71-20-00-01-090	4
AN3-6A	80-10-00-03-020	4
AN3-7A	27-20-00-03-020	4
AN3C12	78-10-00-02-100	3
AN3C5A	78-10-00-01-020	1
AN4-10A	77-10-00-04-070	1
AN4-13A	27-20-00-02-170	4
AN4-21A	78-10-00-01-070	2
AN4-3A	28-20-00-02-040	2
AN4-6A**	27-20-00-03-080	4

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
AN4-7A	24-60-00-01-020	2	AN960-10	71-50-00-01-090	2
	80-10-00-02-020	2		76-10-00-03-050	6
AN526C1032R8	61-10-00-01-020	27		76-10-00-04-050	6
AN565A8H4	21-60-00-02-020A	1		77-10-00-03-030	2
AN565A8H5	21-60-00-02-020	1		79-10-00-01-040	4
AN6-16	24-30-00-01-020	1		79-10-00-01-140	2
AN6-17	24-30-00-01-090	1		80-10-00-03-030	4
AN6289-6	28-20-00-04-070	1		80-10-00-03-080	4
AN665-21R	61-20-00-03-130	1		80-10-00-03-130	2
	76-10-00-03-170	2		80-10-00-03-180	2
	76-10-00-04-300	2		AN960-10L	61-20-00-01-090
AN7-43A	71-20-00-01-040	2		76-10-00-04-190	2
AN7-44A	71-20-00-01-050	2	79-10-00-01-090	3	
AN806-6J	28-20-00-05-020	1	AN960-416	27-20-00-03-090	8
AN816-3J	77-10-00-05-080	1		74-10-00-01-030	10
AN816-4J	77-10-00-03-050	1		76-10-00-03-130	4
AN816-8	79-10-00-01-170	1		76-10-00-04-140	2
AN818-6	77-10-00-04-140	1		77-10-00-04-090	1
AN837-6	28-20-00-04-050	1		77-10-00-05-020	2
AN914-1	71-70-00-01-160	1		78-10-00-01-080	4
AN929-6J	28-20-00-04-040	4		AN960-416L	27-20-00-02-180
	28-20-00-05-010	4	28-20-00-02-060	2	
AN960-10	24-60-00-04-230	4	61-20-00-01-240	1	
	27-20-00-03-030	4	73-10-00-01-070	2	
	28-20-00-03-070	8	75-10-00-02-100	7	
	31-10-00-01-080	6	77-10-00-04-080	2	
	71-50-00-01-040	4	AN960-516	61-20-00-01-170A	4

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
AN960-516	71-50-00-01-130	1	AN960D6L	31-10-00-03-040	8
	80-10-00-01-030	1		31-10-00-04-030	2
AN960-516L	27-20-00-01-110	4	AN960D8L	31-10-00-04-070	3
AN960-716L	71-20-00-01-060	8	AN970-3	78-10-00-01-040	1
AN960-8	27-20-00-02-080	8	AN970-7	71-20-00-01-070	2
	27-20-00-03-050	16	APT-151B-1000-20A	77-10-00-05-100	1
	28-20-00-01-050	2	APVL328-4-1-L-15QF	31-10-00-03-010	1
	30-80-00-01-050	4	APVL328-4-1-L-5QF	31-10-00-03-020	1
AN960C10	73-10-00-01-040	4	AS-568-042	73-10-00-02-070	2
	78-10-00-02-120	3	ATUM-1-4-0	77-10-00-01-080	1
AN960-C10	32-40-00-01-050	4		77-10-00-01-120	1
AN960C4	31-10-00-01-040	4	BN13	61-20-00-01-020	1
AN960-C416	27-20-00-01-080	2		73-10-00-02-020	4
AN960C-516	78-10-00-01-030	1	BN-373-M4x12-ZP	21-60-00-01-100	2
	78-10-00-02-060	8	BSBU1-08-05-0435C	28-20-00-01-120	1
AN960-C816	27-20-00-05-070	4	BSCQ-04-03	71-60-00-01-030	3
AN960C8L	34-20-00-01-080	4	BSPQ-43	76-10-00-01-020	1
AN960D6L	24-32-00-01-030	2	BU2-08-05-0100-C	76-10-00-03-080	2
	24-60-00-04-030	8		76-10-00-04-080	2
	24-60-00-04-080	6	BU2-10-6.5-0330C	27-21-00-02-140	1
	24-60-00-04-130	5		61-20-00-01-050	1
	24-60-00-04-170	2	BU2-10-6.5-0330-C	73-10-00-02-110	1
	31-10-00-01-120	2	BU2-10-6.5-0345-C	73-10-00-02-130	2
	31-10-00-01-160	2	BU2-12-8-0025-C	73-10-00-02-150	1
	31-10-00-02-040	4	BU2-14-06-0050-C	28-20-00-02-100	1
	31-10-00-02-070	4	BU2-14-10-0040-C	76-10-00-01-530	2
	31-10-00-02-110	54	BU2-15-8.4-0090-C	61-20-00-01-170	4

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
BU2-19-9.4-0090-B	76-10-00-01-090	2	C61-2464-103-001	24-60-00-04-290	1
C1-7613-126-001	76-10-00-02-080	1	C61-2464-104-002	24-60-00-04-300	1
C344	61-10-00-01-030	27	C61-2464-108-001	24-60-00-04-200	1
C61-1124-101-001	11-20-00-02-030	2	C61-2464-109-002	24-60-00-04-210	1
C61-1127-102-001	11-20-00-01-070	2	C61-2700-101-001	27-20-00-02-030	2
C61-1127-103-001	11-20-00-02-010	1	C61-2814-105-001	28-10-00-02-010	1
C61-1127-104-001	11-20-00-02-020	1	C61-2824-103-001	28-20-00-03-010	1
C61-1131-103-001	11-30-00-03-090	1	C61-2824-104-001	28-20-00-04-020	1
C61-1131-106-002	11-30-00-03-050	1	C61-2824-105-001	28-20-00-02-020	1
C61-1131-107-001	11-30-00-03-020	1	C61-2824-106-002	28-20-00-04-010	1
C61-1131-108-001	11-30-00-03-010	1	C61-2824-107-002	28-20-00-02-010	1
C61-1131-109-002	11-30-00-03-060	1	C61-2824-111-001	28-20-00-02-110	1
C61-1131-110-001	11-30-00-03-030	1	C61-2827-103-001	28-20-00-01-070	1
C61-1131-111-002	11-30-00-03-040A	1	C61-2827-104-001	28-20-00-01-080	1
C61-1131-112-002	11-30-00-03-040	1	C61-3080-102-001	30-80-00-01-020	1
C61-1131-113-001	31-10-00-01-010	1	C61-3080-103-001	30-80-00-01-010	1
C61-1131-114-002	11-30-00-03-060A	1	C61-3080-104-001	30-80-00-01-070	2
C61-1131-115-002	11-30-00-03-050A	1	C61-3080-105-001	30-80-00-02-010	2
C61-1133-102-001	11-30-00-01-110	2	C61-3111-103-001	31-10-00-02-140	1
C61-2161-102-001	21-40-00-01-080	1	C61-3111-110-001	31-10-00-01-020	1
C61-2167-101-001	71-60-00-01-020	1	C61-3111-113-001	31-10-00-04-050	1
C61-2403-117-003	32-60-00-01-050	1	C61-3111-131-001	31-10-00-02-010	1
C61-2407-103-001	24-60-00-04-050	1	C61-3111-131-002	31-10-00-02-020	1
C61-2407-103-001	24-60-00-04-100	1	C61-3310-101-001	31-10-00-01-100	1
C61-2407-104-001	24-60-00-04-060	1	C61-3310-102-001	71-50-00-01-150	2
C61-2407-107-002	24-60-00-04-110	1	C61-3310-103-001	30-80-00-01-080	2
C61-2461-101-001	32-60-00-01-010	1	C61-6126-102-001	61-20-00-03-160	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
C61-6126-103-002	61-20-00-03-170	1	C61-7166-122-001	75-10-00-01-050	1
C61-6126-110-001	61-20-00-01-200	1	C61-7176-102-001	71-70-00-01-010	1
C61-6126-112-001	61-20-00-01-270	1	C61-7176-103-001	71-70-00-01-190	1
C61-7103-130-001	61-20-00-03-100	1	C61-7176-108-001	71-60-00-01-170	1
C61-7116-101-001	71-10-00-01-050	1	C61-7176-109-002	71-60-00-01-180	1
C61-7116-101-002	71-10-00-01-060	1	C61-7306-103-001	73-10-00-01-060	1
C61-7116-102-001	71-10-00-01-090	1	C61-7326-102-001	76-10-00-04-110	2
C61-7116-102-002	71-10-00-01-100	1	C61-7326-104-001	76-10-00-03-100	2
C61-7116-107-001	71-10-00-02-140	1	C61-7326-105-001	76-10-00-04-020	2
C61-7126-102-001	71-20-00-01-010	2	C61-7610-101-001	76-10-00-03-250	4
C61-7126-142-001	71-20-00-01-080	2		76-10-00-04-390	4
C61-7166-103-001	75-10-00-02-010	1	C61-7610-104-001	27-21-00-02-020	1
C61-7166-104-001	75-10-00-02-020	1	C61-7613-103-003	76-10-00-01-100	1
C61-7166-104-002	75-10-00-02-030	1	C61-7613-103-004	76-10-00-01-110	1
C61-7166-105-001	75-10-00-02-040	1	C61-7613-105-003	76-10-00-01-170	1
C61-7166-106-001	75-10-00-02-050	1	C61-7613-105-004	76-10-00-01-180	1
C61-7166-108-001	73-10-00-02-010	1	C61-7613-107-001	27-21-00-01-030	1
C61-7166-112-001	73-10-00-02-140	1	C61-7613-108-001	76-10-00-01-140	2
C61-7166-113-001	75-10-00-01-080	1	C61-7613-109-001	21-60-00-01-070	2
C61-7166-114-001	75-10-00-01-070	1	C61-7613-110-001	21-60-00-01-110	2
C61-7166-115-001	75-10-00-01-090	1	C61-7613-110-003	21-60-00-01-110	2
C61-7166-116-001	75-10-00-01-100	1	C61-7613-111-001	21-60-00-01-060	2
C61-7166-117-001	75-10-00-01-120	1	C61-7613-112-001	76-10-00-01-070	2
C61-7166-118-001	75-10-00-01-110	1	C61-7613-116-001	76-10-00-01-500	3
C61-7166-119-001	75-10-00-01-030	1	C61-7613-117-001	21-60-00-01-030	1
C61-7166-120-001	75-10-00-01-040	1	C61-7613-117-001	76-10-00-02-160	1
C61-7166-121-001	75-10-00-01-060	1	C61-7613-118-001	76-10-00-02-180	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
C61-7613-119-003	76-10-00-01-250	2	C61-7613-143-002	76-10-00-01-450	1
C61-7613-120-003	76-10-00-01-190	1	C61-7613-144-001	76-10-00-01-060	7
C61-7613-120-004	76-10-00-01-200	1	C61-7613-145-001	21-60-00-01-040	1
C61-7613-121-001	76-10-00-01-240	2	C61-7613-145-001	76-10-00-01-050	6
C61-7613-122-001	76-10-00-01-260	1	C61-7613-147-001	76-10-00-04-340	1
C61-7613-122-002	76-10-00-01-270	1	C61-7613-148-002	76-10-00-04-350	1
C61-7613-123-001	76-10-00-02-050	1	C61-7613-149-001	27-21-00-01-070	1
C61-7613-124-001	76-10-00-01-080	2	C61-7613-150-001	27-21-00-01-160	1
C61-7613-125-001	76-10-00-02-150	1	C61-7613-151-001	27-21-00-01-120	1
C61-7613-127-001	76-10-00-02-130	1	C61-7613-152-001	27-21-00-01-150	1
C61-7613-129-001	21-60-00-01-020	1	C61-7613-153-001	27-21-00-01-010	1
C61-7613-130-001	76-10-00-02-040	1	C61-7613-154-001	11-30-00-03-070	1
C61-7613-132-001	76-10-00-02-140	1		76-10-00-02-010	1
C61-7613-133-001	76-10-00-03-200	1	C61-7613-155-001	76-10-00-01-210	2
C61-7613-134-002	76-10-00-03-210	1	C61-7613-160-001	76-10-00-02-190	1
C61-7613-136-003	76-10-00-01-360	1	C61-7613--161-001	76-10-00-01-550	1
C61-7613-137-003	76-10-00-01-320	1	C61-7613-162-001	76-10-00-01-380	2
C61-7613-137-004	76-10-00-01-330	1	C61-7613-163-001	76-10-00-01-510	1
C61-7613-138-001	76-10-00-01-340	1	C61-7613-164-001	76-10-00-01-040	1
C61-7613-139-003	76-10-00-01-480	1	C61-7613-165-001	76-10-00-02-030	1
C61-7613-139-004	76-10-00-01-490	1	C61-7613-167-001	76-10-00-01-540	1
C61-7613-140-001	76-10-00-01-010	1	C61-7613-168-001	28-20-00-01-030	1
C61-7613-141-001	76-10-00-01-420	1	C61-7613-171-001	76-10-00-01-120	2
C61-7613-141-002	76-10-00-01-430	1	C61-7613-173-001	61-20-00-03-120	1
C61-7613-142-001	76-10-00-01-400	1		76-10-00-03-160	2
C61-7613-142-002	76-10-00-01-410	1		76-10-00-04-290	2
C61-7613-143-001	76-10-00-01-440	1	C61-7806-107-001	78-10-00-02-160	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
C61-7806-108-001	78-10-00-02-150	1	D41-7306-00-31	73-10-00-01-170	1
C61-7806-112-001	78-10-00-02-170	1	D41-7326-00-01_1	76-10-00-04-160	2
C61-7906-102-001	79-10-00-01-010	1	D41-7326-00-02	73-10-00-02-120	1
C64-7613-172-001	27-21-00-01-060	1	D4D-3112-60-01	24-60-00-02-100	1
CAT4	75-10-00-02-160	1	D60-1123-10-04	11-20-00-01-080	1
CA1-1200	27-20-00-02-160	RF	D60-1123-10-04_1	11-20-00-01-080A	1
CA1-1600	27-20-00-02-150	RF	D60-1123-10-23	11-20-00-01-050	1
CCA-1550	28-20-00-02-140	1	D60-1123-10-24	11-20-00-01-010	2
CCR244SS3-03	71-10-00-02-060	2	D60-1123-20-30	11-20-00-01-120	1
CH48110-1	79-10-00-02-020	1	D60-1127-10-51_1	11-20-00-02-050	1
CSCS-M	77-10-00-01-030	1	D60-1127-10-52_1	11-20-00-02-060	1
D41-1126-20-21	11-20-00-02-020	2	D60-1127-10-53	11-20-00-02-080	1
D41-1126-20-22	11-20-00-01-060	1	D60-1127-10-54	11-20-00-02-070	1
D41-1133-11-23	11-30-00-01-060	1	D60-1131-10-22	34-20-00-01-050	1
D4-1133-10-20	11-30-00-02-070	1	D60-1131-22-35	11-30-00-01-030	1
D41-7103-00-01	21-60-00-02-040	2	D60-1131-22-35X01	11-30-00-01-040	1
	76-10-00-03-220	4	D60-1133-10-03	11-30-00-02-050	1
	76-10-00-04-360	4	D60-1133-10-05	11-30-00-01-010	1
D41-7103-00-30	21-60-00-02-080	4	D60-1133-10-05_1	11-30-00-01-020	1
D41-7116-62-00	71-10-00-02-070	1	D60-1133-10-07	11-30-00-02-100	1
D41-7166-10-01	75-10-00-01-010	15	D60-1133-10-07_1	11-30-00-02-110	1
D41-7166-10-02	75-10-00-01-020	3	D60-1133-20-03	11-30-00-02-030	1
D41-7166-10-80	75-10-00-02-150	2	D60-1133-20-03x01	11-30-00-02-040	1
D41-7166-20-30	73-10-00-02-080	1	D60-1133-20-09	11-30-00-01-090	1
D41-7166-20-31	73-10-00-02-100	1	D60-1133-20-19	11-30-00-02-090	1
D41-7166-20-32	73-10-00-02-160	1	D60-1133-20-20	11-30-00-02-020	1
D41-7166-20-33	73-10-00-02-090	1	D60-1133-20-21	11-30-00-02-080	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
D60-1133-20-23	11-30-00-01-080	1	D60-7613-50-50	11-30-00-03-080	1
D60-1133-20-53	11-30-00-01-050	1	D60-9030-00-01	30-80-00-02-070	6
D60-1133-20-54	11-30-00-01-100	1	D60-9030-00-02	30-80-00-02-080	4
D60-1133-20-55	11-30-00-01-070	2	D60-9030-00-03	30-80-00-02-060	4
D60-1133-20-56	11-30-00-02-120	1	D60-9030-00-28	30-80-00-02-090	2
D60-1133-20-57	11-30-00-02-010	1	D60-9030-00-29	30-80-00-02-100	2
D60-2463-70-00	24-60-00-01-090	1	D60-9030-66-01	30-80-00-02-110	2
D60-2463-71-00	24-60-00-01-100	1	DA4-1123-10-01	11-20-00-01-030	12
D60-2463-73-00	24-60-00-01-110	1	DA4-1123-10-02	11-20-00-01-040	2
D60-2464-11-30	24-60-00-04-260	4	DA4-1123-10-02	11-20-00-02-010	2
D60-2560-91-00	24-32-00-01-010	1	DA4-1123-10-06	11-20-00-01-100	1
D60-2827-10-50	28-20-00-01-010	1	DA4-1123-10-06_1	11-20-00-01-100A	1
D60-3111-20-01	27-50-00-01-020	1	DA4-1123-10-10	11-20-00-01-020	2
	27-50-00-01-040	1	DA4-1123-10-11	11-20-00-01-110	2
D60-3111-60-01	24-60-00-02-140	1	DA4-1123-20-07	11-20-00-01-090	1
D60-3111-60-04	24-60-00-02-090	2	DA4-1133-10-03x01	11-30-00-02-060	1
D60-3111-60-05	24-60-00-02-130	2	DA42-11-20-01-01-210-21	11-20-00-01-130	1
D60-5310-11-00	11-20-00-02-030	1	DA4-2401-30-01	31-10-00-01-180	1
D60-5310-12-00	11-20-00-02-040	1	DA4-2401-30-02	31-10-00-01-190	1
D60-5342-20-00	24-31-00-01-40	1	DA4-2466-10-05_1	80-10-00-03-040	2
D60-6116-00-02	61-20-00-02-010	4	DA4-3111-60-01	24-60-00-02-080E	1
D60-7613-10-33	28-20-00-01-160	2	DA4-3122-60-05	24-60-00-02-120	2
D60-7613-10-35	28-20-00-01-150	2	DA4-3122-60-06	24-60-00-02-110	1
D60-7613-10-38	21-60-00-01-080	1	DA4-3122-60-07	24-60-00-02-080C	1
D60-7613-10-39	21-60-00-01-090	1	DA4-3122-60-10	24-60-00-02-080A	1
D60-7613-10-50	27-21-00-01-110	1	D60-3144-20-50	27-50-00-01-030	1
D60-7613-10-51	27-21-00-01-100	1	DA4-3144-60-01	24-60-00-02-150	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
DA4-3144-60-02	24-60-00-02-080D	1	DIN3771-127X5	28-10-00-01-030	1
DA4-3151-60-01	24-60-00-02-080B	1	DIN439B-M5-A2	27-21-00-02-010	2
DAI-9071-03-01	73-10-00-02-170	1	DIN6797A-6.4-A2	73-10-00-02-030	4
DIN125-3,2-A2/4	71-10-00-02-030	2	DIN6797J-M6-ZP	28-20-00-02-080	1
DIN125-3,2-PA	71-10-00-02-020	2	DIN9021A-M8x6-PA	21-60-00-01-050	14
DIN125-6.2-A	28-20-00-03-030	2	DIN9021B-5, 3-A2	28-20-00-01-100	1
DIN125-A6, 4-A2	24-31-00-01-30	2	DIN9021B-5, 3-PA	28-20-00-01-110	1
DIN125A-M3-A2	71-10-00-02-100	2	DIN9021-M4-A2	61-20-00-03-080	4
DIN125A-M3-PA	71-10-00-02-090	2		75-10-00-01-150	40
DIN125A-M5-A2	24-60-00-04-240	8	DIN9021-M4-A2	75-10-00-02-120	10
	71-70-00-01-050	2	DIN9021-M5-A2	61-20-00-02-030	8
DIN125A-M5-A2	74-10-00-01-070	2	DIN9021-M5-A2	75-10-00-02-070	8
	74-10-00-01-120	2	DIN912-M5x55-A2	28-20-00-01-090	1
	74-10-00-01-170	4	DIN931-M10x55-8.8-YZP	71-20-00-01-020	5
	74-10-00-02-040	6	DIN931-M6X160-A2	24-31-00-01-20	
DIN125A-M5-A2	74-10-00-02-080	4	DIN933-M5x12	75-10-00-02-060	4
	77-10-00-05-060	2	DIN933-M5x12-ZP	74-10-00-02-070	2
DIN125A-M5xA2	77-10-00-04-040	2	DIN933-M5X16	71-70-00-01-040	1
DIN125A-M5-ZP	28-20-00-02-130	1		77-10-00-04-030	1
DIN125A-M6-PA	27-21-00-01-050	2	DIN933-M5x16-YZP	74-10-00-01-060	1
DIN125A-M8-A2	76-10-00-03-060	2		74-10-00-01-110	1
	76-10-00-04-060	2		74-10-00-01-160	2
DIN125-M10-A2	71-20-00-01-030	5		74-10-00-02-030	1
DIN125-M5-A2	27-21-00-02-040	4		77-10-00-05-050	1
DIN125-M5xA2	27-21-00-02-090	2	DIN933-M5X20-ZP	61-20-00-02-020	4
DIN125-M6-A2	27-21-00-02-130	1	DIN933-M6x25-8.8-YZP	28-20-00-03-020	2
	28-20-00-02-090	1	DIN965A-M4x12-A2	28-20-00-01-170	2

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
DIN965-AM5X30-A2	28-10-00-01-020	8		76-10-00-04-090	2
DIN965-M5-A2	24-60-00-04-250	4	IO-360-M1A-RT10623	72-10-00-01-010	1
DIN980V-M4-A2	61-20-00-03-090	2	IPT-20RT1-1000-100G	77-10-00-03-070	1
	75-10-00-01-160	40		77-10-00-04-110	1
	75-10-00-02-130	5	ISO7380-M3x10-A2	71-10-00-02-080	2
DIN980V-M5A2	77-10-00-04-050	1	ISO7380-M3x10-A2/4	71-10-00-02-010	2
DIN980V-M5-A2	61-20-00-02-040	4	J-9613-58	71-20-00-01-100	4
	71-70-00-01-060	1	K1ACAAAAAA	24-60-00-03-010	1
	74-10-00-01-080	1	K2ACHAAAAA	24-60-00-03-030	1
	74-10-00-01-130	1	KS1001	74-10-00-02-060	1
	74-10-00-01-180	2	L-ALU8421LS	24-30-00-01-010	1
	74-10-00-02-050	3	LDS50-60-28-1	24-60-00-01-170	1
DIN980V-M5-A2	74-10-00-02-090	2	LIO-360-M1A	72-10-00-01-020	1
	75-10-00-02-080	4	L-LW-25H0.75	61-20-00-01-210	1
DIN980V-M5-A2	77-10-00-05-070	1		76-10-00-03-110	4
DIN985-M3-A2	71-10-00-02-110	2	L-LW-25H0.75	76-10-00-04-120	2
DIN985-M3-A2/4	71-10-00-02-040	2	LM138K-MIL	31-10-00-01-140	1
DIN985-M5-A2	27-21-00-02-100	1	LN-31H0.75	80-10-00-01-020	1
DIN985-M5-A2	28-20-00-01-130	1	LN9037-M4x12	75-10-00-01-130	37
	27-21-00-02-050	2		75-10-00-02-110	5
EGBZ0808-E40	27-20-00-01-020A	4	LN9037-M4x14	75-10-00-01-140	3
	27-20-00-04-030A	8	LN9037-M4x16	61-20-00-03-070	2
EMS-A-C0	28-20-00-05-030	1	LN9037-M5-12	27-21-00-02-030	2
FR-08504	73-10-00-02-060	1	LN9037-M5x12	27-21-00-02-080	1
GAS375-MDA	28-20-00-02-030	1		74-10-00-02-020	2
			LN9037-M5x16	28-20-00-02-120	1
HF3M	61-20-00-01-120	1	LN9037-M6X10	28-10-00-01-040	1
	76-10-00-03-020	2			

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
LN9037-M6x16	28-20-00-02-070	1		31-10-00-01-130	2
LN9037-M6x56	27-21-00-02-120	1		31-10-00-01-170	2
LW14060	74-10-00-01-020	4		31-10-00-02-080	2
LW-31HO75	24-30-00-01-110	1		31-10-00-02-130	18
	24-30-00-01-210	1		31-10-00-03-050	4
	24-30-00-01-260	1		31-10-00-04-040	2
	24-30-00-01-280	1			
LW-31H0.75	71-50-00-01-120	1	MS20392-2P19	32-40-00-01-040	4
LW-31-0.94	24-30-00-01-320	2	MS20392-3P35	27-20-00-01-070	2
M22759/16-14-9	24-60-00-01-070	AR	MS20426AD3-3	24-60-00-04-280	16
M22759-34-22-9	30-80-00-01-100	2	MS20426AD4-6	76-10-00-01-370	2
MLA-100-100	24-60-00-04-010	2	MS20426AD4-7	76-10-00-01-150	4
MS16995-20B	34-20-00-01-070	4		76-10-00-01-350	2
MS16995-21B	34-20-00-01-030	7	MS20822-3D	32-40-00-01-080	6
MS171465	27-20-00-01-120	4	MS20822-8D	79-10-00-01-160	2
MS171530	27-20-00-05-080	4	MS20823-6	77-10-00-04-150	1
MS171532	27-20-00-04-090	4	MS20995C032	61-10-00-01-040	AR
MS18029-1S3	80-10-00-03-050	2	MS20995C032	76-10-00-03-140	AR
	80-10-00-03-150	1		76-10-00-04-150	AR
MS18029-1S6	80-10-00-03-100	1		79-10-00-02-010	AR
MS18029-1S6			MS21042	27-21-00-01-140	2
MS20365-632	24-32-00-01-040	2	MS21042-02	32-60-00-01-040	4
	24-60-00-01-200	4		32-60-00-01-080	4
	24-60-00-04-040	4	MS21042-06	21-60-00-02-070	2
	24-60-00-04-090	6		76-10-00-03-245	4
	24-60-00-04-140	5		76-10-00-04-385	4
	24-60-00-04-190	1	MS21042-08	27-20-00-02-090	4
				27-20-00-03-060	8

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
	28-20-00-01-060	2	MS21047-3	24-60-00-04-270	8
	30-80-00-01-060	4	MS21083B04	31-10-00-01-050	4
MS21042-3	21-40-00-01-050	1		80-10-00-03-090	4
	61-20-00-01-110	1		80-10-00-03-140	2
	61-20-00-03-050	1		80-10-00-03-190	2
	71-60-00-01-090	2	MS21083N06	31-10-00-02-050	4
	71-60-00-01-140	1	MS21333-102	77-10-00-05-010	1
	76-10-00-02-120	1	MS21333-98	74-10-00-01-010	2
	76-10-00-03-070	2	MS21919DG34	21-40-00-01-020	1
	76-10-00-04-070	2	MS21919WCJ19	73-10-00-01-020	2
	76-10-00-04-210	2	MS21919WD65	71-60-00-01-100	1
	76-10-00-04-260	2	MS21919WDG10	21-40-00-01-010	1
MS21042-3	77-10-00-03-040	1	MS21919WDG10	61-20-00-03-010	1
	79-10-00-01-050	4		71-70-00-01-030	1
	79-10-00-01-100	3		76-10-00-04-220	4
	79-10-00-01-150	1		80-10-00-01-010	1
MS21042-4	77-10-00-04-100	1	MS21919-WDG10	71-50-00-01-010	2
	78-10-00-01-090	2		71-50-00-01-070	1
MS21044C06	34-20-00-01-090	4		71-50-00-01-110	1
MS21044N3	31-10-00-01-090	6		74-10-00-01-090	1
MS21044N3	71-50-00-01-050	2	MS21919-WDG10	79-10-00-01-120	1
	71-50-00-01-100	1	MS21919WDG12	61-20-00-01-010	1
MS21044N4	24-60-00-01-150	1		71-60-00-01-060	1
	27-20-00-02-200	4		71-60-00-01-110	1
	27-20-00-03-100	4	MS21919-WDG12	74-10-00-01-150	2
MS21045C3	78-10-00-01-050	1		77-10-00-05-030	1
MS21046C3	73-10-00-01-050	2	MS21919-WDG14	79-10-00-01-110	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
MS21919WDG15	77-10-00-04-020	1		32-40-00-01-060	4
MS21919-WDG15	71-50-00-01-020	2		61-20-00-03-110	1
	77-10-00-03-010	RF		76-10-00-03-150	2
	77-10-00-05-040	1		76-10-00-04-280	2
MS21919WDG16	27-21-00-02-060	1	MS24665-153	78-10-00-02-140	3
	77-10-00-04-010	1	MS24665-24	32-40-00-01-070	4
MS21919-WDG16	71-50-00-01-060	1	MS24693-BB6	31-10-00-01-030	4
	74-10-00-01-100	1		27-50-00-01-050	3
MS21919WDG20	71-70-00-01-020	1	MS24693C27	31-10-00-02-030	4
MS21919-WDG24	74-10-00-01-040	1	MS24693-C270	76-10-00-01-220	2
MS21919WDG26	71-60-00-01-050	1	MS24693C273	76-10-00-02-020	2
MS21919WDG34	21-40-00-01-020A	1	MS24693-C3	76-10-00-01-130	4
MS21919WDG34			MS24693-C3	76-10-00-01-460	4
MS21919WDG5	61-20-00-03-020	1	MS24693C50	30-80-00-01-030	4
MS21919WDG5	71-60-00-01-040	2	MS24693C51	27-21-00-01-040	2
	75-10-00-01-170	2	MS24693C52	28-20-00-01-040	2
	76-10-00-04-230	4	MS24694-C3	21-60-00-01-010	2
MS21919WDG6	27-21-00-02-070	1		28-20-00-01-020	2
	27-21-00-02-110	1		76-10-00-01-280	10
	76-10-00-04-170	2		76-10-00-02-170	6
MS21919-WDG6	74-10-00-01-050	2	MS24694-C48	27-21-00-01-020	1
MS21919-WDG8	74-10-00-01-140	2	MS24694-C48	27-21-00-01-170	4
MS21919WH9	78-10-00-02-180	2	MS24694-C54	27-21-00-01-130	2
MS24524-23	24-60-00-03-020	1	MS24694S50	79-10-00-01-030	4
MS24586-C207	27-20-00-04-100	4	MS25082-4	24-60-00-01-160	1
MS24658-23D	24-60-00-03-050	1	MS25171-3S	24-60-00-01-080	2
MS24665-151	27-20-00-01-090	2	MS27039-08-18	27-20-00-03-040	8

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
MS27039-08-26	27-20-00-02-070	4			
MS27039C1-08	28-20-00-03-050	4	MS35206-233	24-60-00-04-150	4
MS27039C1-10	73-10-00-01-030	2		31-10-00-01-110	2
MS27212-1-3	80-10-00-03-060	2		31-10-00-02-090	18
	80-10-00-03-160	1	MS35207-283	24-60-00-01-120	1
MS27212-1-6	80-10-00-03-110	1	MS35333-40	28-20-00-02-050	2
MS28034-1	77-10-00-03-080	1	MS35338-137	31-10-00-04-080	3
MS3320-10	24-60-00-02-020	3	MS35338-41	24-60-00-04-160	8
MS3320-2	24-60-00-02-050	3		31-10-00-02-100	36
MS3320-25	24-60-00-02-040	1	MS35338-43	28-20-00-03-060	4
MS3320-3	24-60-00-02-030	5	MS35338-44	24-60-00-01-030	2
MS3320-5	24-60-00-02-010	27		24-60-00-01-130	2
MS3320-7.5	24-60-00-02-080	1	MS35338-44	76-10-00-03-120	4
MS3367-7-0	21-40-00-01-090	3		76-10-00-04-130	2
MS33737-16C	34-20-00-01-040	7		80-10-00-02-030	2
MS35206-215	80-10-00-03-070	4	MS35650-302	61-20-00-03-150	1
	80-10-00-03-120	2		76-10-00-03-190	2
	80-10-00-03-170	2		76-10-00-04-320	2
MS35206-228	24-60-00-04-070	6	MS35842-12	73-10-00-01-010	2
	24-60-00-04-120	5	MS51525-B6	73-10-00-01-120	1
MS35206-230	24-32-00-01-020	2		73-10-00-01-160	1
MS35206-230	24-60-00-01-180	4	MS51957-34	21-60-00-02-050A	2
	31-10-00-01-150	2	MS51957-34	76-10-00-03-230A	4
	31-10-00-02-060	2		76-10-00-04-370A	4
	31-10-00-03-030	4	MS51957-43	31-10-00-04-060	3
	31-10-00-04-020	2	MS51957-8	32-60-00-01-020	4
MS35206-231	24-60-00-04-020	4	MS51957-9	32-60-00-01-060	4

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
MTV-12-B-C-F/ CF183-59b	61-10-00-01-050	1		32-60-00-01-070	4
MTV-12-B-C-F/ CFL183-59b	61-10-00-01-060	1	NAS1149FN632P	21-60-00-02-060A	2
NAS1149C0963R	28-20-00-04-060	1		76-10-00-03-240A	4
NAS1149CN432R	21-60-00-02-060	2		76-10-00-04-380A	4
	76-10-00-03-240	4	NAS1515H3	32-40-00-01-055	4
	76-10-00-04-380	4	NAS1515H4L	21-60-00-02-030	1
NAS1149D0416H	24-60-00-01-140	5		71-60-00-01-010	1
NAS1149DN616H	24-60-00-01-190	4	NAS1515M8	27-20-00-05-060	4
NAS1149F0332P	21-40-00-01-040	2	NAS72-3-002	76-10-00-01-160	2
	61-20-00-03-040	2		76-10-00-01-300	2
	61-20-00-03-140	1		76-10-00-01-390	1
NAS1149F0332P	71-60-00-01-080	4	NAS7604U2	76-10-00-01-520	8
	71-60-00-01-130	2	P-1120	61-10-00-01-010	1
	76-10-00-01-230	2	P-875-43	61-20-00-01-150	1
	76-10-00-02-100	1	P-885-43	61-20-00-01-140	1
	76-10-00-03-180	2	P-893-2	61-20-00-02-060	1
	76-10-00-04-250	2	PAF08055P11	28-20-00-01-140	6
	76-10-00-04-310	2	PAF-0809P11	27-21-00-01-090	1
NAS1149F0363P	76-10-00-02-070	1	PAF10070P11	27-21-00-01-080	1
	76-10-00-02-110	1	PAPZ0808P10	27-20-00-04-030	8
NAS1149F0463P			PAPZ1208P10	27-20-00-01-020	4
	24-60-00-01-040	2	P-EVW45_9_16UNF	73-10-00-01-110	1
	61-20-00-01-040	1	PG2C-28V	34-20-00-01-060	1
	61-20-00-01-230	2	PLT-1-MM-76	77-10-00-01-020	1
	80-10-00-02-040	2	PLT-2-SM-76	30-80-00-02-030	6
NAS1149FN216P	32-60-00-01-030	8		77-10-00-01-010	1
			PS-250-2WT-2	30-80-00-01-130	2

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
R4G-2	71-10-00-01-020	27
RB227	75-10-00-02-140	4
RG24-15	24-31-00-01-10	1
RNF-100-3-32BLK	30-80-00-01-150	AR
SCAT-12-200	78-10-00-01-110	1
SCAT-12-430	78-10-00-01-120	1
SCAT8	21-40-00-01-100	1
SGT-12-20	71-70-00-01-150	2
SGT-16-27-9W1	71-70-00-01-070	1
	75-10-00-02-170	2
SGT-70-90-9W1	78-10-00-01-100	4
SGTS_70-90_9W1C7	78-10-00-01-100	4
SSD48SSBS	21-60-00-02-050	2
	76-10-00-03-230	4
SSD48SSBS	76-10-00-04-370	4
STD 160	73-10-00-01-080	2
STD-1410	61-20-00-01-180	4
STD-1411	61-20-00-01-260	1
STD-160	61-20-00-01-030	1
	61-20-00-01-250	2
STD-1727	24-30-00-01-120	1
STD-1874	75-10-00-02-090	7
STD-1916	61-20-00-01-220	1
STD2180	71-70-00-01-180	1
STD-2233	78-10-00-02-070	8
STD-35	24-30-00-01-220	1
STD475	71-50-00-01-140	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
STD475	80-10-00-01-040	1
STD-475	61-20-00-01-160	4
STD690	24-30-00-01-040	2
STD-713	24-30-00-01-080	2
STD-872	24-30-00-01-070	2
T22700034	71-60-00-01-160	1
T4.6 24/20	27-50-00-01-120	3
	32-60-00-02-030	4
TAP-K-BS-48	71-10-00-01-080	24
TIHK51-1S-RD-FN-BL	24-60-00-03-040	1
TS5	71-70-00-01-110	1
VR2000-28-2	74-10-00-02-010	1
V2600-LW-7	71-10-00-02-050	1
WES4-R1-8	71-70-00-01-100	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
0406-003	77-10-00-02-010	1
05-6000	78-10-00-01-010	1
06.5210.3004	71-70-00-01-120	1
	71-70-00-01-130	1
	71-70-00-01-140	1
07A19474	24-30-00-01-300	1
079-808	21-40-00-01-060	1
079-810	21-40-00-01-070	1
1.02157.001-1002	27-50-00-01-110	2
1.02157.001-1307	32-60-00-02-020	1
1.02157.001-1503	27-50-00-01-100	1
	32-60-00-02-010	3
10.2508.8961	71-10-00-01-040	2
	73-10-00-02-040	1
10-54A	32-40-00-01-030	4
10611R	79-10-00-01-060	1
1154	30-80-00-02-040	2
1126010-2	71-10-00-02-130	1
11550	78-10-00-02-010	1
11602	32-40-00-01-100	2
11604	32-40-00-01-110	2
1220-25	79-10-00-01-020	2
124F001-4CR0066	77-10-00-04-120	1
124F001-4CR0112	77-10-00-03-060	1
124F002-3CR0195	77-10-00-05-090	1
12550	78-10-00-02-020	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
13-0403-00	21-60-00-02-010	1
13-0403-00	71-60-00-01-005	1
13550	78-10-00-02-030	1
1432875-1	31-10-00-01-060	6
14550	78-10-00-02-040	1
1480319-0	28-20-00-03-130	1
1-480319-0	30-80-00-01-110	2
170050	28-20-00-05-040	2
183035-1	77-10-00-01-050	2
183036-1	77-10-00-01-100	2
	77-10-00-02-020	3
2.5N	76-10-00-04-270	AR
20-2700-20-02	27-20-00-02-130	4
20-2700-20-04	27-20-00-02-120	2
20-2700-21-00	27-20-00-02-100	2
20-2720-11-00	27-20-00-02-150	RF
20-2720-12-00	27-20-00-02-160	RF
20-2722-00-07	27-20-00-02-050	2
20-2722-01-01	27-20-00-04-080	4
20-2722-01-02	27-20-00-04-070	4
20-2722-07-00	27-20-00-01-060	2
20-2722-11-02	27-20-00-01-030	2
20-2722-11-04	27-20-00-01-040	4
20-2722-21-01	27-20-00-04-060	4
20-2722-28-00	27-20-00-01-050	2
20-2722-91-01_1	27-20-00-01-010	2
212-12	71-10-00-02-050	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ	PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
213	78-10-00-01-010	1	22-3111-12-00	76-10-00-01-030	1
2140-54	28-20-00-03-100	1	22-7611-60-03	76-10-00-01-290	10
2140-72	28-20-00-03-110	1	2-293-309	27-20-00-02-110	2
2-1616921-3	24-60-00-01-010	1	233-10010-01	77-10-00-04-130	1
2-1616921-3	80-10-00-02-010	1	244-16G	71-10-00-01-070	14
22-2720-00-02	27-20-00-02-060	2	2542856	76-10-00-04-020A	2
22-2720-00-03	27-20-00-02-040	2	2560-26-230	73-10-00-01-100	1
22-2720-00-04	27-20-00-02-020	2	26.58.09	80-10-00-03-010	2
22-2720-00-05	27-20-00-02-140	4	2600-LW	71-10-00-02-120	1
	27-20-00-03-070	RF	2650-5	30-80-00-02-020	2
22-2720-00-06	27-20-00-02-190	4	281934-4	77-10-00-01-060	4
22-2723-60-00	27-20-00-02-010	RF		77-10-00-02-030	3
22-2727-00-00	32-40-00-01-010	RF	282080-1	77-10-00-01-070	1
22-2727-11-00	27-20-00-04-010	2	282104-1	77-10-00-01-110	1
	27-20-00-05-020	RF	282105-1	77-10-00-02-040	1
22-2727-12-00	27-20-00-04-020	2	2N	30-80-00-02-050	2
	27-20-00-05-030	RF		71-60-00-01-150	2
22-2727-13-00	27-20-00-04-040	2	2TL124-10	27-50-00-01-010	1
22-2727-14-00	27-20-00-04-050	2	306-10	71-70-00-01-080	1
22-2728-00-00	32-40-00-01-020	RF	31895	24-60-00-01-050	1
22-2729-13-00	27-20-00-04-040	2	320563	24-60-00-01-060	1
	27-20-00-05-040	RF	33703	78-10-00-02-110	3
22-2729-14-00	27-20-00-04-050	2	36B19484	24-30-00-01-130	1
	27-20-00-05-050	RF	37A19773-376	24-30-00-01-350	1
22-2729-60-00	27-20-00-02-010	RF	3P9C	61-20-00-01-060	1
	27-20-00-05-010	RF	4002-0	71-10-00-01-030	27
22-2729-60-01	27-20-00-01-100	2	40S-5-6D	71-10-00-01-010	27

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
41303	78-10-00-02-050	1
413-K14-LN2-70A	24-60-00-02-060	2
413-K14-LN2-90A	24-60-00-02-070	2
4140	55-40-00-01-010	717 MM
4219-3670	71-70-00-01-200A	1
452-201-010	31-10-00-04-010	1
461k02 2801WS	27-50-00-01-120A	3
	32-60-00-02-030A	4
4965	55-40-00-01-030	717 MM
5100-00-9	28-20-00-03-040	1
570577-55	30-80-00-01-160	2
5934PD-3 A130	34-20-00-01-010	1
60618-1	30-80-00-01-120	4
60620-1	28-20-00-03-120	1
610-035	76-10-00-01-310	2
	76-10-00-01-470	1
61-475	61-20-00-03-060	2
65161	71-70-00-01-200	1
656-057	61-20-00-01-100	1
	76-10-00-03-040	2
	76-10-00-04-040	2
	76-10-00-04-200	2
	79-10-00-01-080	3
680501-1-29.8-MOD	77-10-00-04-160	1
6C50MXS	28-20-00-03-090	2
7301SYZQE	24-60-00-03-060	1

PART NUMBER	CH-SE-SU-FIG-ITEM	TTL REQ
73152	77-10-00-04-060	1
73383	24-30-00-01-310	1
74323	24-30-00-01-250	1
75380	24-30-00-01-200	1
75444	71-70-00-01-170	1
77504	73-10-00-02-190	1
76534	24-30-00-01-030	2
77611	78-10-00-02-080	4
80065	78-10-00-02-090	1
80-100MM	73-10-00-02-050	1
8030B887	34-20-00-01-020	1
851-370	71-70-00-01-090	2
91500	78-10-00-01-060	1
920-1-4BKWH	28-20-00-03-140	200 MM
	30-80-00-01-140	AR
951789	73-10-00-01-180	3
9654K78	76-10-00-03-010	2
9654K78	76-10-00-04-010	2
975305029061	61-20-00-02-050	2

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INTRODUCTION

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INTRODUCTION

1. General

This Illustrated Parts Catalogue (IPC) contains information that is relative and unique to the DA42L aircraft with the Lycoming IO-360-M1A engines installed. This IPC is a supplement and needs to be used in conjunction with the current DA42 or DA42-NG IPC. Complete catalogue information for the chapters not affected by TCCA STC No. SA09-54 (FAA STC No. SA02725NY) are available in the Diamond Aircraft DA42 or the DA42-NG IPC.

The Table of Contents for this IPC will show the Chapters and Sections that are contained in this manual. Chapters and Sections not shown in the Table of Contents are common with the DA42 or with the DA42 NG and are available in the DA42 or the DA42 NG IPC.

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and with serial numbers 42.ACXXX, complete catalogue information is available in the Diamond Aircraft DA42 IPC, Document Number 7.03.01.

For aircraft with serial numbers 42.NCXXX (and 42.081 and 42.302) complete catalogue information is available in the Diamond Aircraft DA42-NG IPC, Document Number 7.03.15

The IPC can be used to identify parts and optional equipment and the assembly of parts for your aircraft. Use the Aircraft Maintenance Manual (AMM) for the Removal and Installation of parts on the aircraft.

- A. The IPC for the Diamond Aircraft Industries, Canada (DAIC) agrees with the Air Transport Association of America Specification No. 100 (ATA-100). The IPC lists, describes and illustrates assemblies, sub-assemblies and detailed parts of the DAIC aircraft. It is intended for use in requisitioning, issuing, identifying parts, and in illustrating assembly relationships.
- B. The IPC should not be used for assembly and/or disassembly purposes. Repair should be performed only by authorized personnel, using the appropriate technical publications.
- C. Data for equipment off the aircraft is in the Vendor or Manufacturers Component Maintenance Manual (CMM).
- D. The IPC does not contain data related to the overhaul of the components and the repair of the aircraft structure. Data to overhaul a component can be found in the Vendor's CMM. Data to repair the structure can be found in the DAIC Structural Repair Manual (SRM).
- E. The IPC is a companion document to the Aircraft Maintenance Manual (AMM) and includes all parts for which maintenance practice has been provided.
- F. The parts listed in this manual are applicable to aircraft in the condition delivered by DAIC or as subsequently modified by DAIC Service Bulletins (SB). Prior to ordering a part, make sure that structure and system modifications introduced by STC have not affected the part number of the required part.

- G. This IPC does not identify parts for the Teledyne Continental Motors IO-240B3B engine. Only parts manufactured by DAIC for installation on the engine will be identified in the IPC. For data on spare or replacement parts for the engine, please refer to the Teledyne Continental Motors Parts Catalogue.

- H. The IPC can be used to identify parts and optional equipment and the assembly of parts for your aircraft. Use the Aircraft Maintenance Manual (AMM) for the Removal and Installation of parts on the aircraft.

2. Correspondence

Send all correspondence about this manual to the address below:

Diamond Aircraft Industries, Inc.
1560 Crumlin Side Road
London, Ontario, N5V 1S2
Canada
E-mail: parts@diamondaircraft.com
Telephone: 519-457-4051
FAX: 1-800-934-3519 or 01-519-457-4045

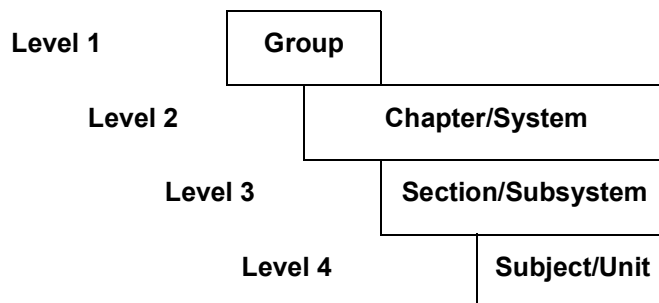
3. Organization of the Manual

A. General

The IPC has three sections:

- Alpha Numerical Index
- Introduction
- IPC Chapters 00 to 80 plus an additional chapter for Ground Support Equipment (GSE).

The IPC is organized on four levels as specified by ATA 100. They are usually referred to as group, chapter, section and subject. Each page contains the chapter/section/subject number, the figure number, the page number and the revision date of the page. The groups are divided into chapter/system; the chapter/system is divided into section/subsystem, and the section/subsystem is divided into subject/unit as follows:



B. Group

Groups give a broad separation of the contents of the manual. The IPC is organized into four groups. Each group contains aircraft systems usually known as chapters and is divided as follows:

Group 1	Aircraft General	Chapters 05 to 12
Group 2	Airframe System	Chapters 20 to 49
Group 3	Structure	Chapters 51 to 57
Group 4	Power Plant	Chapters 70 to 91

C. Chapter/System

This level is usually known as the chapter. It has inter-related components arranged to do a specific function and is further divided into subsystems usually known as sections. Each chapter is assigned its number and title by ATA 100 and is identified by the first element in the standard numbering system.

D. Section/Subsystem

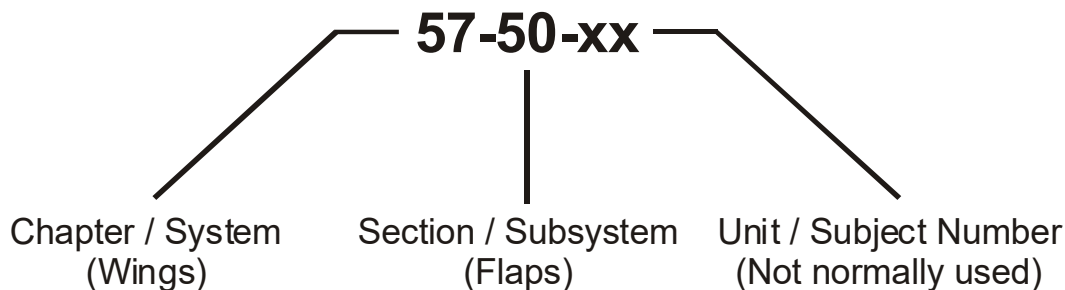
This level is usually known as the section. It permits the chapter to be divided into subsystems and is identified by the second element in the standard numbering system.

E. Subject/Unit

This level is usually known as the subject. It permits the identification of individual units in a system or section and is identified by the third element in the standard numbering system.

4. The ATA iSpec2200 Numbering System

The ATA iSpec2200 numbering system uses 3 pairs of numbers, for example:



The first pair of numbers shows the system. System 57 is the wings. In the IPC, Chapter 57 contains the data for the wings.

The second pair of numbers shows the sub-system. Sub-system 50 is the Flaps. In the IPC Section 50 contains the data for the trailing edge flaps installation.

The third pair of numbers shows a unit. A unit could be the flap itself. Only complex systems use unit numbers.

5. Front Matter

A. Title Page

The Title Page contains the DAIC masthead, the manual identification, the initial issue date, current revision number and the revision date of the manual.

B. Record of Revisions (ROR)

The ROR is located after the title page. This record must be completed whenever a revision to the IPC is issued.

C. Highlights

The Highlights provides the changes that have been made to the IPC from one revision to the next revision.

D. List of Effective Pages (LOEP)

The LOEP provides the revision date for each page of the manual.

E. Table of Contents

The master Table of Contents (TOC) contains the Chapter, Section, Title of the pageblock, and the effectivity.

F. Alpha Numerical Index

The Alpha Numeric Index list the parts in this IPC with part number starting with alphabets in an ascending order and then followed by the part numbers starting with numerals in an ascending number.

6. Detailed Parts List (DPL)

A. General Information

The DPL is composed of chapters following the same sequence and including all material as provided in paragraph 3.B. of this section. These sections are further broken down to figure level into their assemblies and detailed parts, with each section properly indented to show item relationship to the next higher assembly.

(1) Parts to be Listed and Illustrated

The DPL lists and illustrates all parts attached by means other than welding or riveting, provided that welded or rivoted parts are included when Diamond Aircraft Industries, Canada (DAIC), considers them normally replaceable.

(2) Parts Physically Altered or Modified: Variants

When a part is physically altered by a different design or different material or a modification, a new DAIC's part number is assigned. This includes vendor and proprietary items. If compatible, both the old and new parts are listed, whether they are of an alternate or interchangeable nature or not, with the new part(s) shown as a variant item. Their effectivity relationship are shown in the effectivity column. If not compatible, all the new part numbers are depicted in the nomenclature column of the applicable old production part number, with its service bulletin designation.

(3) Standard “Off-the-Shelf” Parts

- (a) Standard “Off-the-Shelf” Parts are considered expendable hardware items having relatively high usage, numerous applications, and normally available from industrial supply outlets. Includes such items as nuts, bolts, screws, fasteners, rivets, resistors, capacitors, diodes, etc.

Manufacturer Codes utilized with standard parts identify the industry or government agency controlling the design and assignment of part numbers.

Prefix letters and type of part designations are:

- AN Air Force – Navy Aeronautical Standard
 - AS Aerospace Standard
 - MS Military Standard
 - NAS National Aerospace Standard
- (b) When standard parts are used, the standard part number is listed in the part number column. When European or other national standards are listed, the equivalent U.S. standard is also listed if one exists. Complete item descriptions are entered in the nomenclature column for commercially procurable items which do not conform to commonly recognized standards. For example: a commercial screw is identified by material, type of head, type of thread, thread size, and length.
- (c) DAIC neither assigns its own part numbers to these items in lieu of the standard part number nor places their part number (when one is assigned in addition to the standard part number) in the part number column, but rather in the nomenclature column.

(4) Vendor and Sub-Vendor Items, Commercial and/or Customer Furnished Equipment

- (a) Vendor items (excluding proprietary items), commercial equipment, and customer-furnished equipment are listed, including detailed parts which are line-replaceable items. In these cases, the DAIC's part number is shown in the part number column. The vendor's name or code is shown in the nomenclature column together with the part number. Vendor's code is preceded by the capital letter V.
- (b) For sub-vendor items, the nomenclature column includes the Manufacturer Code. Vendor codes are preceded by the capital letter V or their name and address. Vendor codes are not entered for standard parts.

(5) Service Bulletin Numbers

Where existing parts are modified or reworked or additional parts are installed by a Service Bulletin (SB), the SB number is shown in the nomenclature column by means of the letters SB and the number. Part numbers applicable prior to the modification remains in the part-number column with their identifying phrase in the nomenclature column.

For example: PRE SB _ _ _ , Post SB _ _ _ , Added By SB _ _ _ , etc.

- (a) When the SB number shown in the nomenclature column has relationship to an AIRWORTHINESS DIRECTIVE (AD), the AD number is shown in parentheses, following the SB number by means of letters AD and the number. For Example:

PRE SB ___ (AD ___), POST SB ___ (AD ___), ADDED BY SB ___ (AD ___),
DELETED BY SB ___ (AD ___) etc.

(6) Removing Part Numbers from the Customized DPL

A part number is removed from the DPL only when it is considered superseded or deleted by the operator.

(7) Identical Parts: Left-Hand and Right-Hand Assemblies

- (a) If two or more assemblies are made up of a large majority of identical parts, or the assemblies are mirror (reversed) images, as in the case of left-hand and right-hand parts, they are identified as such in the nomenclature column and listed together. Each assembly is listed in the part-number column with its unique catalogue sequence number followed by combining detailed parts of both assemblies as noted below.
- (b) Detailed parts common to each assembly are listed once under a single sequence number. Quantity requirements in the units per assembly column are for one assembly only.
- (c) The following applies to detailed parts not common to each assembly:
- Each part has its own sequence number.
 - If a part is used on an assembly that is used on one side of the aircraft only or on one assembly only, or on two of three assemblies, etc., the title description in the nomenclature column is followed by a reference to the part number(s) of the applicable assembly(ies).
 - Quantity requirements of a next higher assembly for a multilevel parts arrangement is for one assembly only.

(8) Symbols

Symbols used to explain information such as, a part is no longer procurable, not yet available as a spares replacement, etc. are not included in the DPL, but may be included in the Numerical Index.

B. Arrangement of Columns**(1) General**

The various columns on the DPL are arranged as follows:

Column -1- Figure and Item/Item Variant Number

Column -2- Part Number

Column -3- Nomenclature.

Column -4- Units Per Assembly

Column -5- Effectivity (From Serial Number)

Column -6- Effectivity (To Serial Number)

(2) Column 1 - Figure and Item Number - Use of Alpha Variants**(a) General**

Each illustration in each pageblock is assigned a figure number commencing with Figure 01 and progressing sequentially.

- Following the first delivery of an operator's new type of aircraft, a figure or item number (inclusive or exclusive of a variant) once assigned, is not changed.
- The figure number is shown adjacent to and to the left of the first item number at the top of each page.

(b) Figure Numbering

- When it is necessary to add additional figures to show modification or configuration differences from the original illustration, alpha variants is assigned consecutively, A through Z, except I and O.
- Alpha variant figures is complete in themselves, containing all those parts that are common with the other figure(s) of a specific figure level catalogue sequence number. Otherwise, each figure (e.g., Fig. 01) and alpha variant figure (e.g. Fig. 01A) will have its own complete illustration and detailed parts list.

(c) Item Numbering

- An item number is assigned to each part number required to be listed in the DPL. Identical parts in different physical locations and applicable to the same figure is assigned unique item numbers
- Item numbers begin at 01 for each figure and are broken in sequence for the insertion of additional items. Example: 01, 10, 20, 30 etc...

- Alpha variants are assigned consecutively, A through Z, except I and O, when it is necessary to add additional items to show:
 - SB related modifications or configurational differences from the original item
 - non-service bulletin related product improvement parts, etc.
 - optional parts (up to a maximum of six with any other depicted in the nomenclature column). When optional parts are to be added to an item that has an alpha variant part number immediately following, the additional optional part number is depicted in Nomenclature column. The DAIC's specification number, where applicable, is shown in the part-number column against the basic item number
- Items listed but not illustrated are identified by entering a dash (-) to the left of the item number and will also show "- ITEM NOT ILLUSTRATED" at the bottom of the DPL table.

(3) Column 2 - Part Number

- (a) The part number column contains the original DAIC's part number consistent with the requirements of ATA Spec. 200/2000.
- (b) Each part is assigned a part number by the DAIC which is consistent with those provided in documents covered by ATA Spec. 200/2000.
- (c) Blank spaces and special characters, with the exception of the dash (-), are not permitted in part-number structure. The dash (-) is permitted only between numeric characters (Ref. ATA Spec. 200/2000).
- (d) When DAIC maintains multiple vendor sources of items for installation without modification, all of the vendor part numbers are listed in the part-number column under the original item number as alpha variants as modified under optional parts coverage
- (e) Different part numbers are not assigned to identical parts, nor identical part numbers are assigned to different parts. When a part is physically altered by a different design, different material, or a modification, a new part number is assigned.

(4) Column 3- Nomenclature

- (a) The identifying noun or key word and any modifying words included in the drawing title description is used in the nomenclature column and is applied consistently with the requirements of ATA Spec. 200/2000. Where electronic components are electrostatic discharge sensitive, they are identified in text prominently with the nomenclature "(ESDS)". Where the drawing title is general in nature (i.e., valve used in multiple applications) and does not identify the physical location of use (i.e., catalogue sequence number location), additional words are included to identify the unique location of use.
- (b) Percentages, actual values, and allowable tolerances for electrical/electronic parts such as resistors and capacitors are shown as a part of the description, expressed as plus and minus values.

(c) Items which are normally procurable individually but have been machined to fit as a matched set or are matched electronically are noted as follows: "Matched part, order next higher assembly, item number _ _ _."

(d) The nomenclature is indented or coded to indicate item relationships as follows:

1 2 3 4 5 6 7

Assembly or Installation Assembly (RF) number (Figures Lead Item Assembly Number)

Attaching parts for Assembly or Installation of RF Assembly

*

Detailed parts for the assembly

Sub-assembly (subordinate to the figure's lead item assembly)

Attaching parts for the Sub-assembly

**

Detailed parts for the sub-assembly

Sub-sub-assembly (subordinate to figure's Second Level Assembly (called sub-assembly))

Attaching parts for the sub-sub-assembly

Detailed parts for sub-sub-assembly

NOTE: The words "or installation (RF) number" refers to those instances where a non-procurable reference number is assigned to a grouping (installation) of parts that do not constitute a recognized assembly.

(e) The indenture breakdown in subparagraph 4 (d) above depicts three conditions relative to attaching parts:

- Where applicable, attaching detailed build parts for the installation of the overall "RF" assembly into its next higher assembly build state.
- Those attaching parts for the fitting together of an assembly, a sub-assembly or sub-sub-assembly to its next higher assembly within the confines of the overall assembly. These are entitled "attaching parts" and are shown in the same indenture column as the assembly they attach.
- Those detailed parts for the build-up of the assembly or installation, sub-assembly, or sub-sub-assembly itself. These are shown by an indenture relationship.

- (f) Attaching parts are listed immediately beneath and have the next indentation level as the parts grouping or assembly which they attach. Quantity requirements in the "units per assembly" column are for one assembly only. In the case of assemblies, they will precede any detailed parts of the assembly. They are listed in the same column as the assembly which they attach and are captioned "***Attaching Parts for item". Some form of separation symbol such as the asterisks shown in 3 above follows the listing of attaching parts.

The words "***Attaching Parts for item" are shown before the first attaching part
The words "***End of Attaching Parts for item" are shown after the last attaching part.

See the figure below for identification of the attaching parts in the Nomenclature column.

Fig Item	Part Number	Nomenclature						Units Per Assy	From S/N	To S/N
		1	2	3	4	5	6			
01-1		System, Installation or Assy Title of related Figure						RF		
010	61-5501-00-00	. First main Assembly ***Attaching Parts for item 010						1		
020	AN-16A	. . Bolt, Machine, Aircraft						4		
030	MS9320-13	. . Washer, Flat						4		
040	MS21044-N6	. . Nut, Self-Locking ***End of Attaching Parts for item 010						4		
050	61-5510-20-05	. Bushing, Mounting						4		
060	61-5500-60-01	. Plate, Mounting						1		

- (g) Superseded or Replaced Part Numbers

The Superseded or Replaced part numbers are entered in the Nomenclature column with additional data for both the superseded or replaced part number and the superceding or replacing part number. See the figure below for Superseded part number:

Fig Item	Part Number	Nomenclature						Units Per Assy	From S/N	To S/N
		1	2	3	4	5	6			
01-1		Wing Structure						RF		
050	20-5700-01-01	. Bushing, Outer, B-Bolt, Wing						2		
060	GE15ES	. Bearing, Spherical ***Superseded by P/N GE15 ESC2***						2		
	GE15ESC2	. Bearing, Spherical ***Supersedes P/N GE15ES***						2		
070	20-5700-01-02	. Collar, Bushing, B-Bolt, Wing						2		

See the figure below for Replaced Part Number:

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Flap Installation	RF		
010	22-5751-00-00	. Flap Assy (LH) ***Attaching Parts for item 010	1		
020	AN3-12A**NOM	. . Bolt, Hex	6		
030	AN960-10L	. . Washer, Flat, Thin	6		
040	AN960-10	. . Washer, Flat	6		
050	MS21042-3	. . Nut, Self-Locking	6		
060	22-5700-60-03	. . Bushing, Hinge, Aileron Side	6		
070	AN4-21	. . Bolt, Hex, Drilled Shank	2		
080	AN960-416	. . Washer, Flat	6		
090	EW081201	. . Washer, Thrust ***Replaced by P/N 658-015***	4		
	658-015	. . Washer, Flat ***Replaces P/N EW081201***	4		
100	CB060806	. . Bushing, Plain	2		
100A	31338	. . Bushing, Plain	2		

(h) Alternate Part Number: Variant

When a part is physically altered by a different design or different material or a modification, a new DAIC's part number is assigned. This includes both vendor and proprietary items. If compatible, both the old and new parts are listed, whether they are of an alternate or interchangeable nature or not, with the new part(s) shown as a variant item. Their effectivity relationship are shown in the effectivity column. The variant part number is not illustrated and it is only shown as the item number with the variant. See the figure below for Alternate part number:

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Flap Installation	RF		
100	CB060806	. . Bushing, Plain	2		
100A	31338	. . Bushing, Plain	2		

(5) Handed Assemblies

Where two handed assemblies use common parts (for example the left and right main landing gear) the left assembly, indicated (LH) has an odd item number. The right assembly, indicated (RH) has an even item number, usually one greater than the left assembly. For example:

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Installation, Main Landing Gear	RF		
010	22-3211-01-00	. Strut, MLG (LH)	1		
020	22-3211-02-00	. Strut, MLG (RH)	1		
		<i>***Attaching Parts for Item 010 and 020</i>			
030	329-239	. Bolt, Hex	2		
		<i>***End of Attaching Parts for Item 010 and 020</i>			

The words '****Attaching Parts for Items 010 and 020*' are shown before the first attaching part. All attaching parts listed apply to both assemblies unless they are handed. The applicability of the handed parts is shown by LH or RH as part of the nomenclature.

The words '****Parts for Items 010 and 020*' are shown before the first part. All parts listed apply to both assemblies unless they are handed. Parts which are handed are numbered in the same way as assemblies. The applicability is shown by LH or RH as part of the nomenclature.

For example:

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
		<i>***Parts for Item 010 and 020</i>			
030	20-3210-07-00	. . Axle, MLG (LH)	2		
	20-3210-03-00	. . Bracket, Fairing, MLG (LH)	1		
	20-3210-04-00	. . Bracket, Fairing, MLG (RH)	1		
		<i>***End of Parts for Item 010 and 020</i>			

(6) Assemblies with Common Parts

Where two or more assemblies use many common parts, each assembly is numbered in the usual way. Parts which apply to only one assembly are shown below that assembly, indented in the usual way. Common parts are listed after the parts for the last assembly. The words '****Parts for Item xxx, xxx, xxx*' are shown before the first common part. If a part is common to two or more assemblies, but not all, the words '****Items xxx only*' are shown after the item.

For example, three bonding leads are Items 010, 020 and 030, all have different lengths and one has a different wire:

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
010	22-2400-12-34	. Strap, Bonding, Tube, Pitot	1		
020	22-2400-12-56	. Strap, Bonding, Bellcrank, Aileron	1		
030	22-2400-12-78	. Strap, Bonding, Frame, Lighting	1		
		<i>***Parts for Item 010, 020, and 030</i>			
040	M22759/34-14-9	. . Wire, 14 AWG (Item 30 only)	A/R		
050	QQB575F36T0125	. . Cable, Braided (Items 10, 20 only)	A/R		
060	36157	. . Terminal, Ring, #6 (AMP)	2		
070	36157	. . Terminal, Ring, (AMP)	4		
		<i>***End of Parts for Item 010, 020, and 030</i>			

(7) Service Bulletins and Airworthiness Directives

The words (Pre/Post-SB/AD xx) show the applicability of a Service Bulletin or Airworthiness Directive.

(8) Interchangeability Codes

The interchangeability codes are derived from ATA spec 2000. The interchangeability codes basically assist the operator to understand the compatibility of a new part introduced on the aircraft with the old part.

They are numeric codes ranging from 1 to 5 and are defined as:

- 1 – ONE WAY INTERCHANGEABLE
- 2 – TWO WAY INTERCHANGEABLE
- 3 – NOT INTERCHANGEABLE
- 4 – INTERCHANGEABLE AS A SET
- 5 – QUALIFIED INTERCHANGEABLE

The following Table explains detailed definitions of the 5 codes with examples.

Code	Description of the Code	Example of the Code
CODE 1: One Way Interchangeable	The old part number (pre-mod) may be used as a replacement only where the old part number was installed. The new part number (post-mod) is an acceptable replacement for either the old or the new part number.	MLG Actuator part # 12345 installed on aircraft 0005-0015. MLG Actuator part # 6789A installed on aircraft 0016-0999. Modification required due to an improved bearing in the actuator. Physically, the new MLG actuator could be used in the place of the old actuator without modifying the aircraft, installation or assembly to the aircraft. However, due to the improved MLG actuator on aircraft 0016-0999 use of the older actuator containing the old bearing is limited to aircraft 0005-0015 only.
	NOTE: For a typical LRU this essentially means that once the new configuration is installed it is not permissible to revert to the old configuration.	
CODE 2: Two Way Interchangeable	The old (pre-mod) part number and the new (post-mod) part number are each acceptable replacement for both the old and the new part number.	Switch A was installed in production on aircraft 0005-0015. Switch B was installed in production on aircraft 0016-0999. The switches are manufactured by two different Vendors. Switch B does not modify the aircraft, installation, or assembly to the aircraft in any way. The only differences between the switches are the part numbers and the price. Therefore, switch A could be used where switch B was installed and switch B could be used where switch A was installed.
CODE 3: Not Interchangeable	When the old (pre-mod) part is removed, it must be replaced with the same (old) part number. When the new (post-mod) part number is removed, it must be replaced with the same (new) part number.	NLG uplock, part number C, is used on aircraft 0005-0015. NLG uplock, part number D, is used on aircraft 0016-0999. The NLG configuration for aircraft 0005-0015 is different from the NLG configuration for aircraft 0016-0999 and the installation requirements for the uplock differ. In order to change uplock, part number C on aircraft 0005-0015 to the latest configuration uplock, part number D, the NLG configuration on the aircraft would require major changes. Therefore, the NLG uplocks are not interchangeable.

Code	Description of the Code	Example of the Code
<p>CODE 4: Interchangeable as a Set</p>	<p>Interchangeable as a set requires that the entire quantity of the old (pre-mod) part used in an installation must be replaced as a complete set of new (post-mod) part numbers.</p> <p>For sets comprised of more than one part number, CODE 5 applies.</p>	<p>The MLG tires are changed from Vendor A tires to Vendor B tires.</p> <p>The treads between the Vendor A and Vendor B tires are different. When replacing one type of tire to the other, both MLG tires must be changed at the same time.</p> <p>Therefore, the tires are interchangeable as a set.</p>
<p>CODE 5: Qualified Interchangeable</p>	<p>Applies to replacement situations not described by the previous four codes or when replacement is not applicable to all aircraft or engines.</p> <p>Whenever CODE 5 is used, a note should also be added to provide specifics of the qualified interchangeability. The note should be next to the interchangeability code in the parts list.</p>	<p>Uplock assembly, part number C, is used on aircraft 0005-0015.</p> <p>Uplock assembly, part number D, is used on aircraft 0016-0999.</p> <p>The mounting bracket and bolts for uplock assembly C are different from the mounting bracket and bolts for uplock assembly D.</p> <p>In order to change uplock assembly C on aircraft 0005-0015 to the latest configuration uplock assembly D, the new bracket and bolts must also be changed.</p> <p>Therefore, more than one part is required to incorporate this modification.</p> <p>EXAMPLE 2:</p> <p>The ABC controller for system X consists of two identical units. The units were upgraded from a “- 1” to a “- 3” configuration.</p> <p>Therefore, two “- 1” units may be replaced with two “- 3” units.</p> <p>It is also possible to safely operate the aircraft with an intermix configuration of one “- 1” unit and one “- 3” unit. However, this later configuration was never tested or certified as a viable configuration.</p> <p>In this case, the appropriate interchangeability code would be “CODE 5”, Qualified Interchangeability.</p>

See the figure below for the Interchangeability Codes:

Fig Item	Part Number	Nomenclature	Units Per	From	To
			Assy	S/N	S/N
040	22-2820-00-00	. Valve, Fuel Line ***Interchangeability Code 1 for P/N 22-2820-00-04***	1		
040A	22-2820-00-04	. Valve, Fuel Line	1		
050	22-2860-00-04	. Valve, Fuel Shut-off ***Interchangeability Code 2 for P/N 22-2820-00-04***	1		
050A	22-2860-00-08	. Valve, Fuel Shut-off ***Interchangeability Code 2 for P/N 22-2860-00-04***	1		

C. Column 4 - Units per Assembly (Quantity)

Column 4 gives the quantity of each part that is necessary to build one next higher assembly.

If you see **A/R** (As Required) in the Units Per Assy (Qty) column, use the quantity of this item (e.g. sealant, lockwire) that is necessary for this assembly.

If you see **RF** (Reference) in the Units Per Assy (Qty) column, the item is shown for reference purposes only. There are two uses:

- DAIC does not supply this assembly as ONE item. You must assemble the **RF** item from many parts. For example, the complete fuel system is an **RF** item, but you can order the parts which make the fuel system.
- **RF** can also show that the item is given in another list and shown here for reference purposes only.

D. Column 5 - From S/N

The aircraft serial number from which the part is applicable. For example, From S/N 0002 indicates that the part cuts in at A/C 0002. From S/N C1.ALL indicates that the part is applicable to every DA20-C1 aircraft.

E. Column 6 - To S/N

The aircraft serial number up to which the part is applicable. For example, To S/N 0149 indicates that the part is applicable up to A/C 0149. The column left blank indicates "and subsequent A/C".

7. Cross References

The IPC uses cross references to higher levels of illustrations or assemblies. It also uses cross references to lower levels of illustrations and/or assemblies.

- A cross reference in the title gives the next higher assembly. For example, "For NHA, refer to Chapter 28-00 Figure 01".

- A cross reference in the text refers to another illustration. For example, "For parts, refer to Chapter 28-20 Figure 02-01".

8. Range Hardware

Because of a difference in the thickness of composite materials, bolts that go through composite parts have lengths specified with asterisks, for example AN6-3A**. If you install bolts through composite parts, select the bolt length that gives the correct safety.

See the figure below for the example.

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Installation, Main Landing Gear	RF	D42L.ALL	
010	22-3211-01-00	. Strut, MLG (LH)	1		
011	22-3211-02-00	. Strut, MLG (RH)	1		
		***Attaching Parts for Items 010 and 011			
020	329-239**	. Bolt, Hex	2		
		***End of Attaching Parts for Items 010 and 011			

To make sure that all bolts are within the in safety limit for installation, you must see two threads above the nut after the correct torque is applied. You must not use the threads of bolts with shanks as a bearing surface for structural fasteners. You can use the threads of fully threaded bolts as a bearing surface for non-structural fasteners.

9. Alpha Numerical Index

The Alpha Numerical Index located at the front of the manual, before the Introduction, is a complete listing of all parts included in the Detailed Parts Listing. This listing includes both the original manufacturer's part number and, where one has been assigned in place of it, the aircraft manufacturer's part number. The listing is arranged first by part number beginning with letters A through Z (Alpha Index), then by part number beginning with the numerals 0 through 9 (Numerical Index). The alpha "O" shall be considered as numeric "zero".

Each part number is followed by the applicable locator (chapter, section, subject, figure, and item references) to indicate where the part is used, except for standard items.

10. Illustrations

The illustrations will always be found on the left page. The right page gives the related parts list. The illustrations are numbered one after the other in each chapter or section. The first illustration in each pageblock starts at Figure 01. Each illustration gives an exploded view of one installation or assembly. Where common items such as bolts, washers and nuts occur many times, one example is shown. The related parts list gives the full quantity of the item. For example: four bolts of the same part number attach a bracket. Only one bolt is shown in the illustration but a quantity of four is shown in the UNITS PER ASSY column.

11. Page Numbering

The title page in each Chapter or Section starts at Page 1. The first illustration is Page 2. The related parts list is Page 3. The second illustration page is Page 4 and so on.

12. Abbreviations

The following abbreviations are used in the Illustrated Parts Catalogue

Abbreviation	Definition
A/C	Aircraft
AD	Airworthiness Directive
AR	As Required
Assy	Assembly
CB	Circuit Breaker
CBP	Circuit Breaker Panel
Chap	Chapter
DRWG	Drawing
EFF	Effectivity
Fig	Figure
FWD	Forward
GA	General Assembly
GND	Ground
GSE	Ground Support Equipment
INBD	Inboard
INSTL	Installation
IPC	Illustrated Parts Catalogue
JB	Junction Box
LH	Left Hand
MISC	Miscellaneous
MLG	Main Landing Gear
NHA	Next Higher Assembly

Abbreviation	Definition
NS	Not Shown
OUTBD	Outboard
PLCS	Places
PN	Part Number
REF	Reference
Rev	Revision
RF	For Reference Purposes Only
RH	Right Hand
SB	Service Bulletin
S/N	Serial Number
STC	Supplementary Type Certificate
TYP	Typical

13. Part Orders

When you order parts, you must give the name of the system and its chapter number or you must give the sub-system with its section number.

You must also give the following data:

- Figure and Item Number
- Part Number
- Nomenclature
- Quantity Required
- S/N of the aircraft

For example, when you want to send an order for an Axle, Main Landing Gear, give the following data:

- Chapter 32-10, Main Landing Gear
- Figure/Item 2-110
- Part Number 20-3210-07-00
- Nomenclature Axle, MLG
- Quantity 1
- S/N of the aircraft D42L-0108

If the part does not have a part number, give:

- Figure Number
- Item Number
- Nomenclature
- Quantity Required
- S/N of the aircraft

If you order an assembly, Diamond Aircraft Industries supplies all sub-assemblies and components for that assembly.

Send your order to the following address:

Diamond Aircraft Industries, Inc.
1560 Crumlin Side Road
London, Ontario, N5V 1S2
Canada
E-mail: parts@diamondaircraft.com
Telephone: 519-457-4051
FAX: 1-800-934-3519 or 01-519-963-5075

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CHAPTER 11

PLACARDS AND MARKINGS

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CHAPTER 11-00

PLACARDS AND MARKINGS

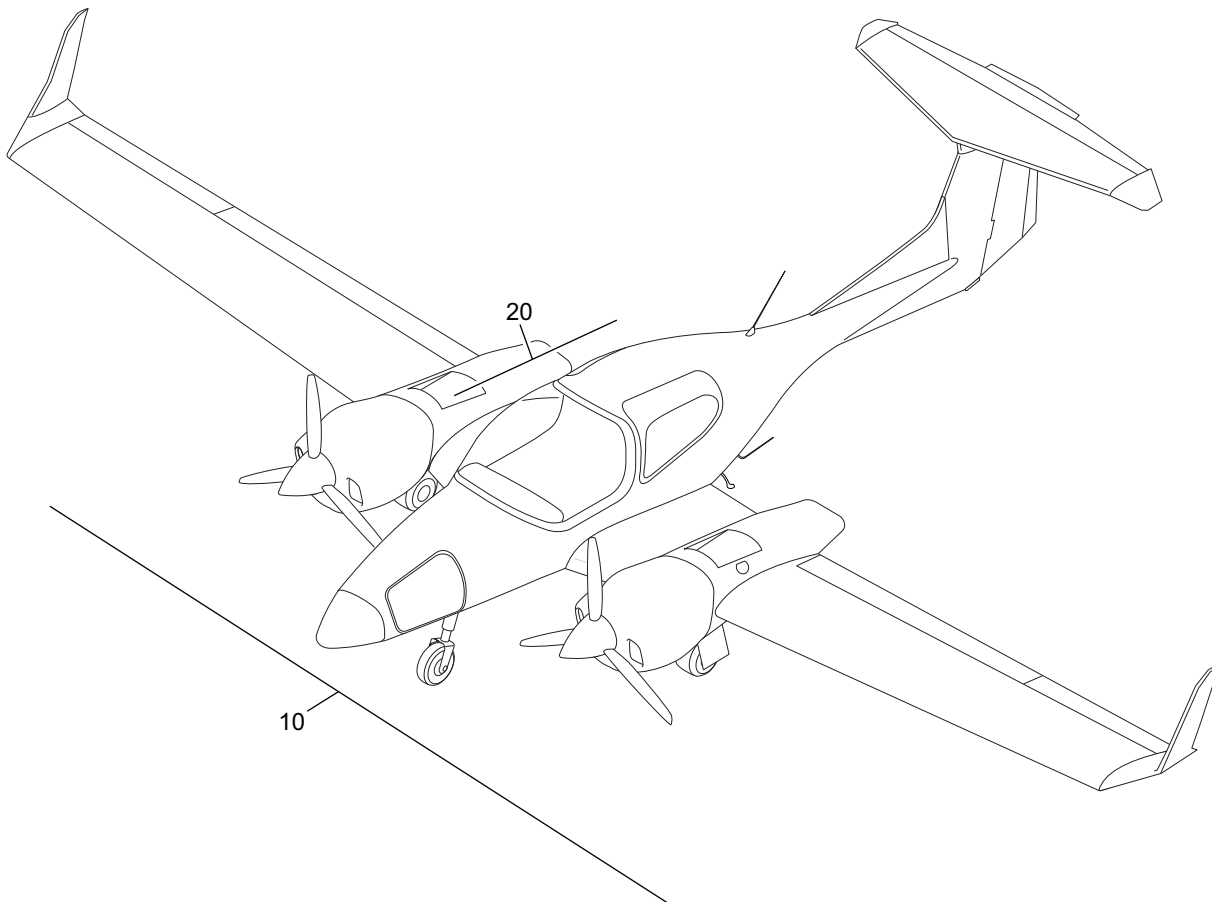
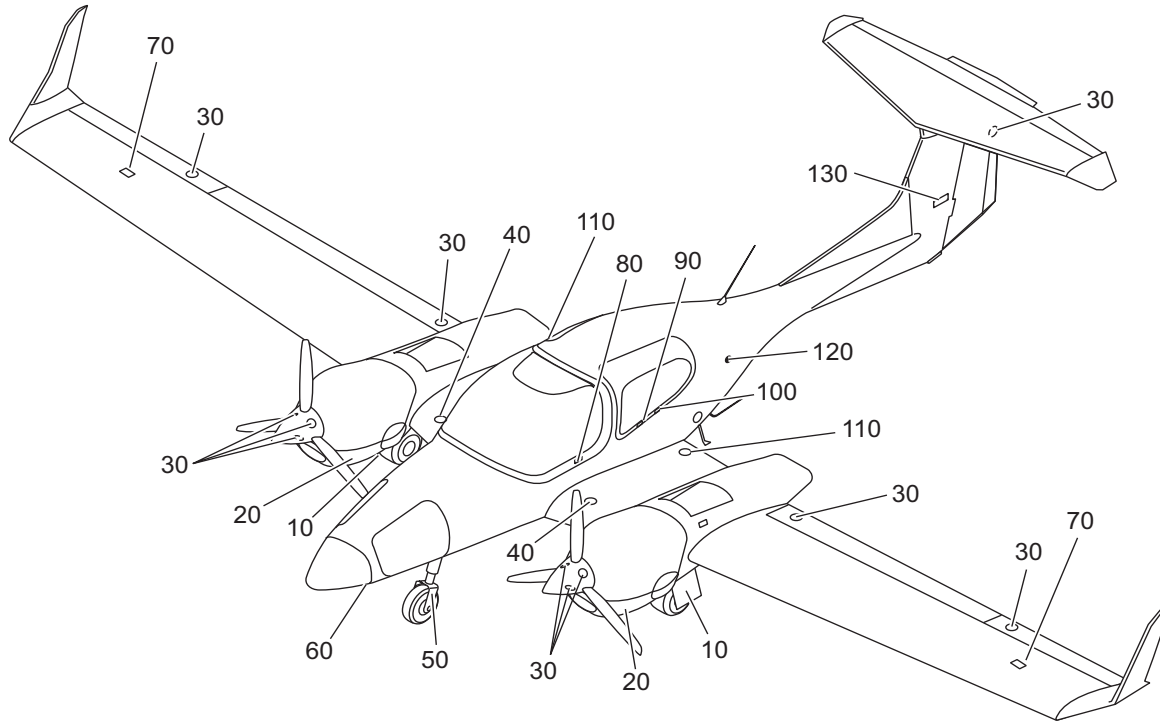


Figure 01 - Placards and Markings

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Placards and Markings	RF	D42L. ALL	
010		. Exterior Placards	RF		
020		. Interior Placards	RF		

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CHAPTER 11-20 EXTERIOR PLACARDS



4.5 bar / 65 psi

10



20



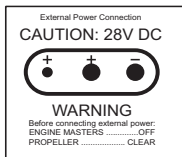
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40

6.0 bar / 87 psi

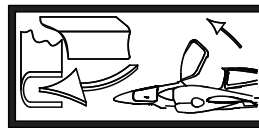
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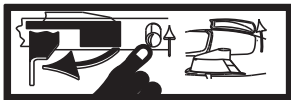
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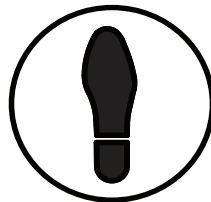
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EMERGENCY EXIT:
The keylock must be unlocked during flight!

90



100



110



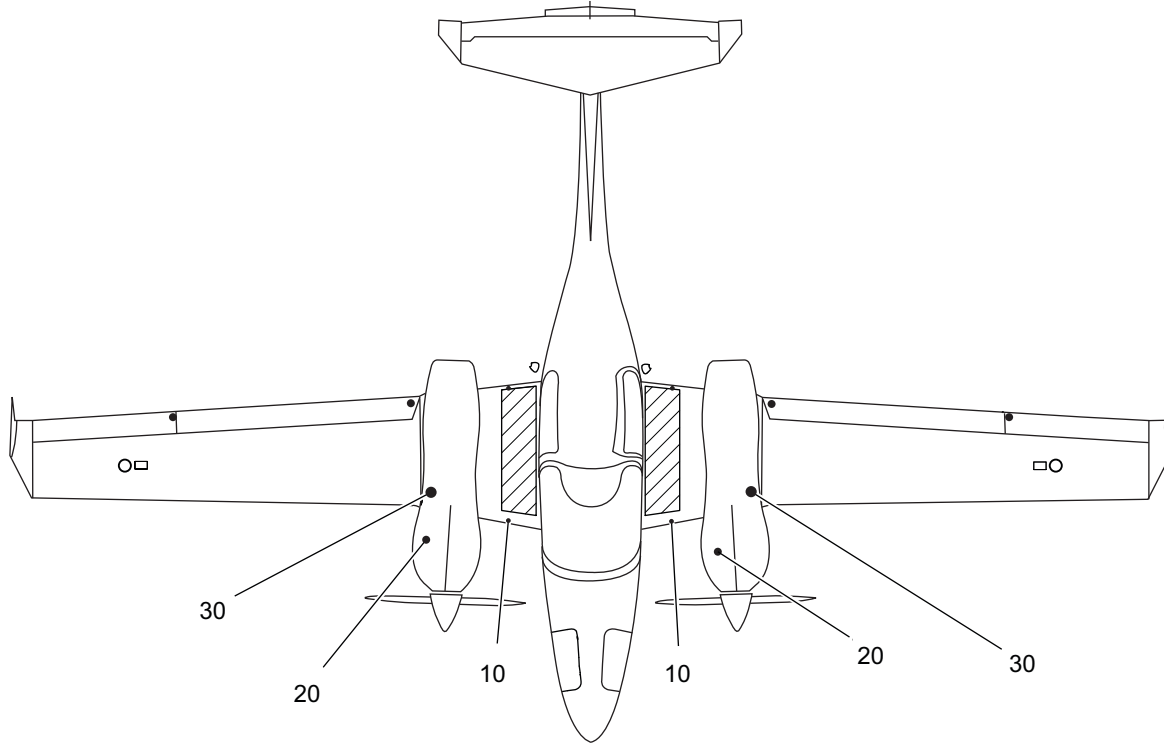
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130

Figure 01 - Exterior Placards

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Installation, Exterior Placards 1	RF	D42L.ALL	
010	D60-1123-10-24	. Tire Pressure, Main Landing Gear	2		
020	DA4-1123-10-10	. Earth Connection	2		
030	DA4-1123-10-01	. Do Not Touch	12		
040	DA4-1123-10-02	. Do Not Stand Here	2		
050	D60-1123-10-23	. Tire Pressure, Nose Wheel	1		
060	D41-1126-20-22	. External Power Connection	1		
070	C61-1127-102-001	. Placard, AVGAS	2		
080	D60-1123-10-04	. Front Canopy Open, Outer	1		
080A	D60-1123-10-04_1	. Front Canopy Open, Outer	1		
090	DA4-1123-20-07	. Emergency Exit	1		
100	DA4-1123-10-06	. Passenger Door Open, Outer	1		
100A	DA4-1123-10-06_1	. Passenger Door Open, Outer	1		
110	DA4-1123-10-11	. Walkway	2		
120	D60-1123-20-30	. Static Port	1		
130	DA42-11-20-01-01-210-21	. Aircraft Registration Plate	1		



10

OIL 1 Qt = 0.963 ltr
SAE 15W50
ashless dispersant aviation
grade oil (SAE Standard J-1899)
or AFM chapter 2
VFR Min./Max.: 4/8 Qts
IFR Min./Max.: 6/8 Qts

20

WARNING
APPROVED FUEL:
AVGAS 100LL
or see Airplane Flight Manual

30

Figure 02 - Exterior Placards

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Installation, Exterior Placards 2	RF	D42L.ALL	
010	DA4-1123-10-02	. Do Not Stand Here	2		
020	D41-1126-20-21	. Oil Placard	2		
030	C61-1124-101-001	. Nacelle Avgas Placard	2		

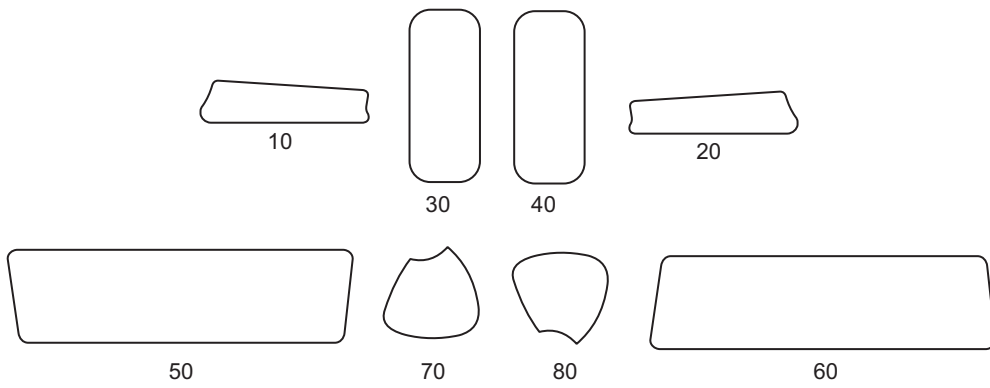
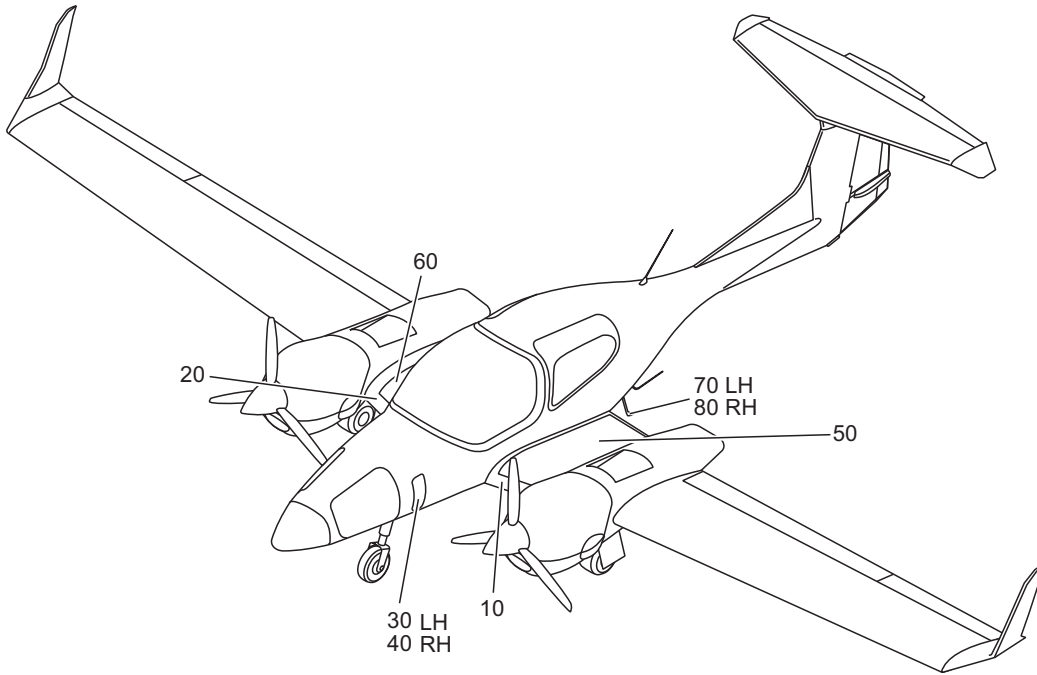


Figure 03 - Exterior Placards

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
03-1		Installation, Exterior Placards 3	RF	D42L.ALL	
010	C61-1127-103-001	. Leading Edge Protection LH	1		
020	C61-1127-104-001	. Leading Edge Protection RH	1		
030	D60-5310-11-00	. Debris Protection Composite, LH	1		
040	D60-5310-12-00	. Debris Protection Composite, RH	1		
050	D60-1127-10-51_1	. Safety Walk, LH	1		
060	D60-1127-10-52_1	. Safety Walk, RH	1		
070	D60-1127-10-54	. Safety Walk Step, RH	1		
080	D60-1127-10-53	. Safety Walk Step, LH	1		

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CHAPTER 11-30 INTERIOR PLACARDS

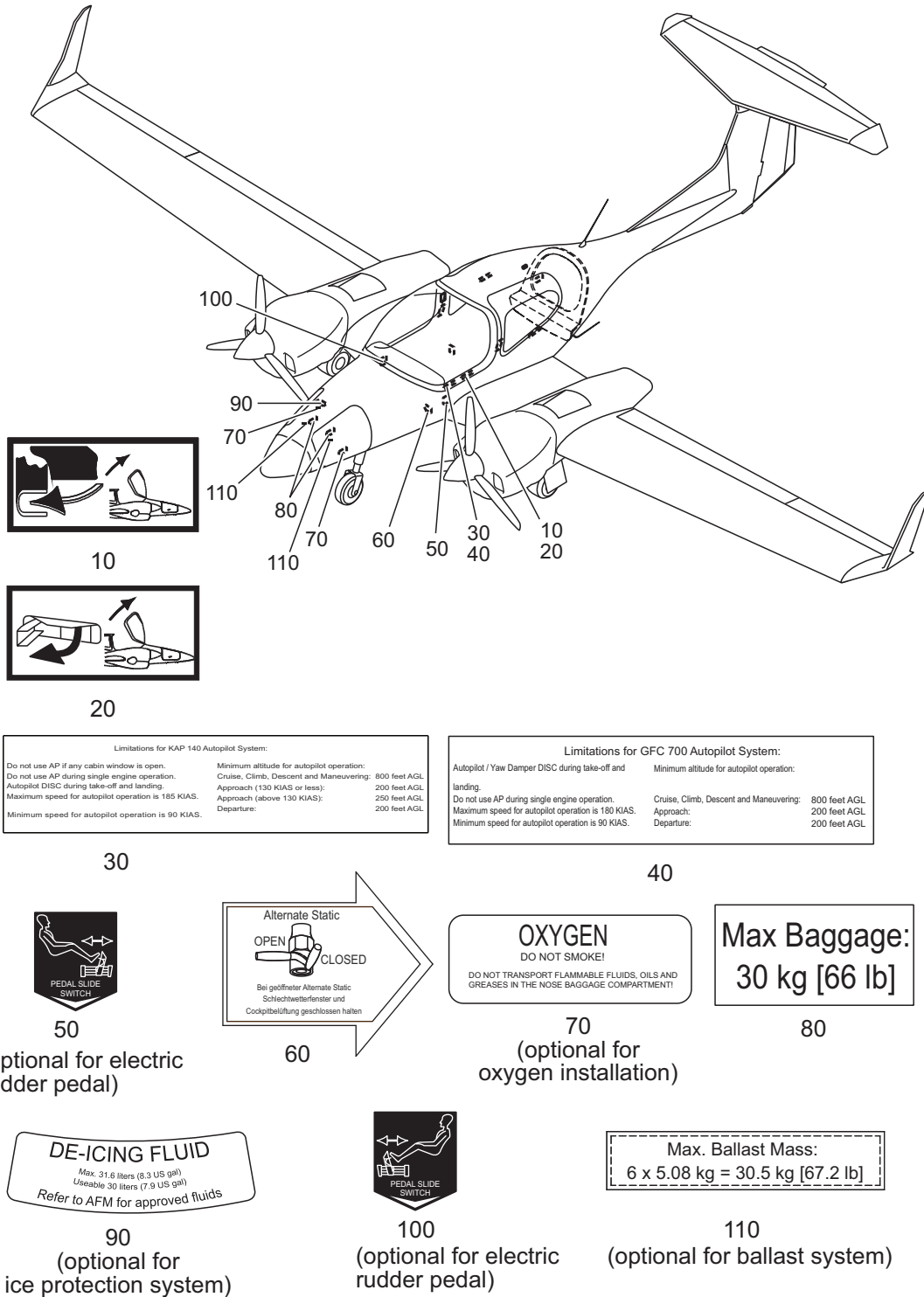


Figure 01 - Interior Placards

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Interior Placards 1	RF	D42L.ALL	
010	D60-1133-10-05	. Front Canopy Open, Inner (Alternate)	1		
020	D60-1133-10-05_1	. Front Canopy Open, Inner	1		
030	D60-1131-22-35	. Limitations for KAP 140 (With KAP 140)	1		
040	D60-1131-22-35X01	. Placard, GFC 700 Limitations (with GFC 700)	1		
050	D60-1133-20-53	. Placard, Rudder Pedals, LH	1		
060	D41-1133-11-23	. Alternate Static	1		
070	D60-1133-20-55	. Placard, Oxygen, Nose	2		
080	D60-1133-20-23	. Front Baggage Compartment	1		
090	D60-1133-20-09	. Placard, De-Icing Fluid	1		
100	D60-1133-20-54	. Placard, Rudder Pedals, RH	1		
110	C61-1133-102-001	. Placard, Ballast, Installation (Optional for Ballast System)	2		

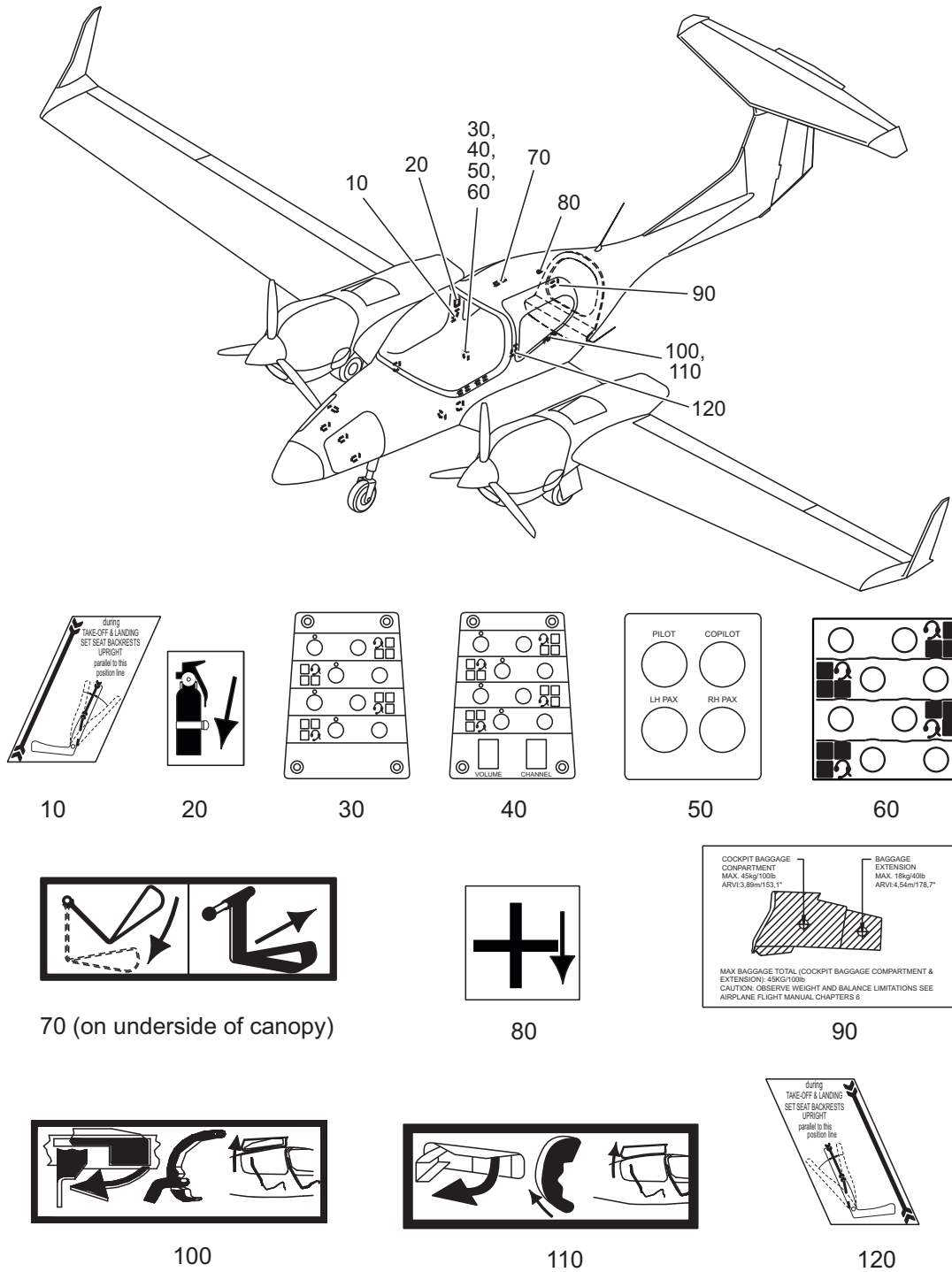


Figure 02 - Interior Placards

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
02-1		Interior Placards 2	RF	D42L.ALL	
010	D60-1133-20-57	. Placard, Adjustable Seat Position, RH	1		
020	D60-1133-20-20	. Fire Extinguisher	1		
030	D60-1133-20-03	. Headset Jack Plugs	1		
040	D60-1133-20-03x01	. Headset Jack Plugs with GDL Switches	1		
050	D60-1133-10-03	. Headset Jack Plugs	1		
060	DA4-1133-10-03x01	. Placard, Headset Plugs - AI	1		
070	D4-1133-10-20	. Passenger Door Emergency Open	1		
080	D60-1133-20-21	. First Aid Kit	1		
090	D60-1133-20-19	. Baggage Weight Limit	1		
100	D60-1133-10-07	. Passenger Door Open (Alternate)	1		
110	D60-1133-10-07_1	. Passenger Door Open	1		
120	D60-1133-20-56	. Placard, Adjustable Seat Position, LH	1		

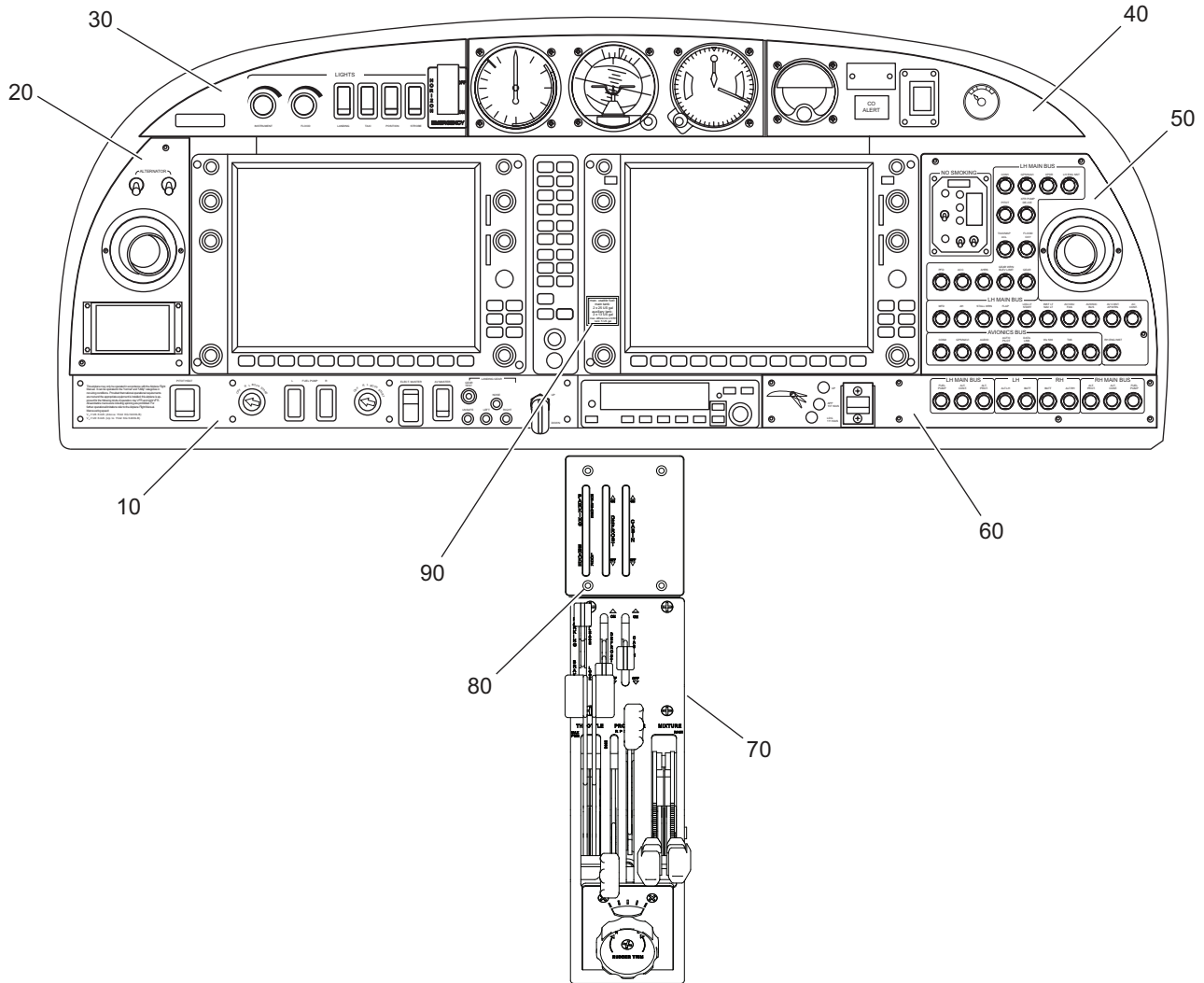


Figure 03 - Interior Placards

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
03-1		Interior Placards 3	RF	D42L.ALL	
010	C61-1131-108-001	. EL Panel, Lower Left	1		
020	C61-1131-107-001	. EL Panel, Middle Left	1		
030	C61-1131-110-001	. EL Panel, Overlay Upper Left	1		
040	C61-1131-112-002	. EL Panel, Overlay Upper Right	1		
040A	C61-1131-111-002	. EL Panel, Overlay Upper Right	1		
050	C61-1131-106-002	. EL Panel, Middle Right	1		
050A	C61-1131-115-002	. EL Panel, Middle Right, CB, ADS-B	1		
060	C61-1131-109-002	. EL Panel, Lower Right	1		
060A	C61-1131-114-002	. EL Panel, Lower Right, AUDIO XFR	1		
070	C61-7613-154-001	. Cover Plate, Quadrant	1		
080	D60-7613-50-50	. Cover Plate	1		
090	C61-1131-103-001	. Placard, Aux Fuel Quantity	1		

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CHAPTER 21
AIR CONDITIONING

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CHAPTER 21-40

HEATING

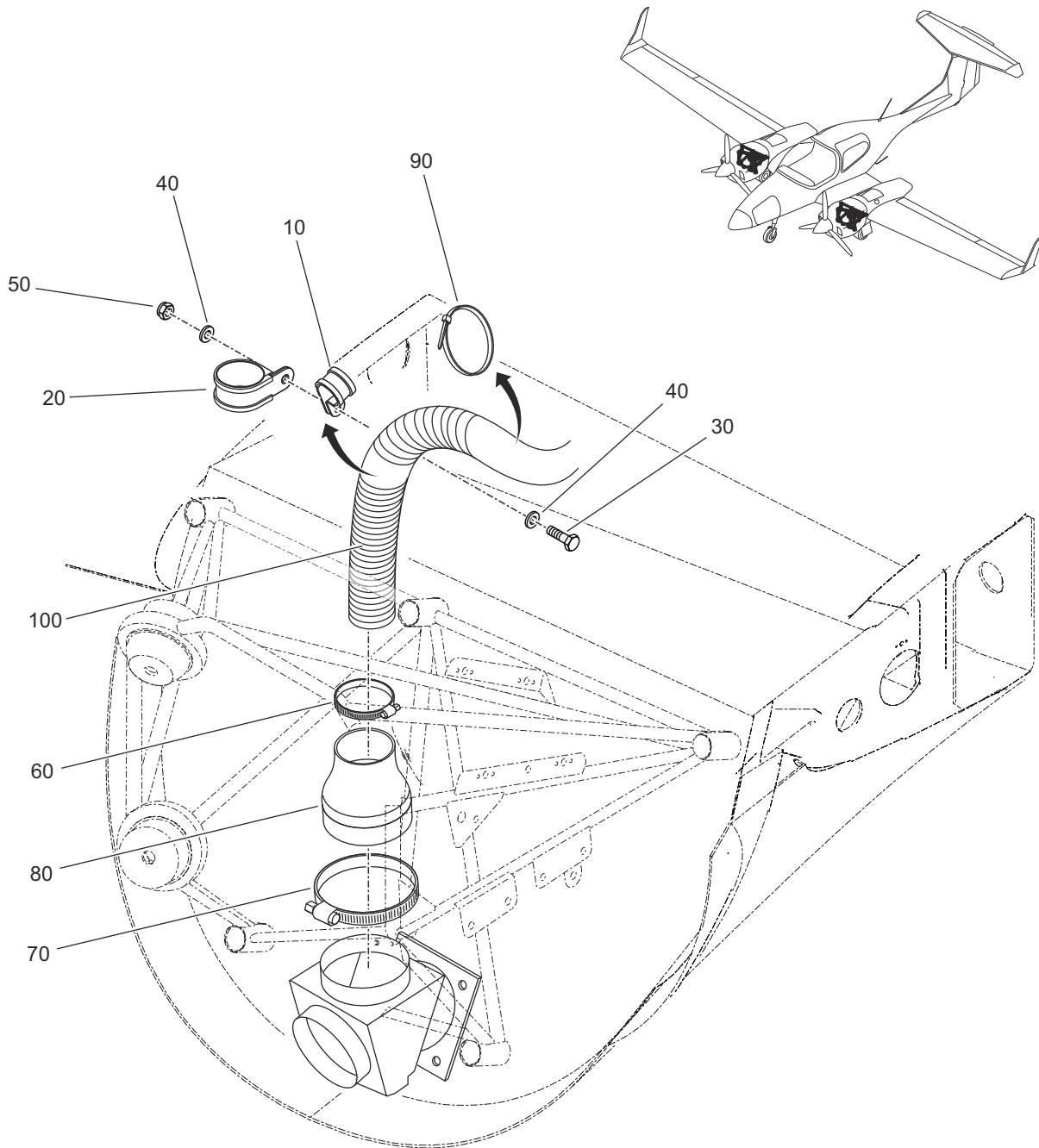


Figure 01 - Cabin Heat Vent Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Cabin Heat Vent Installation (LH and RH)	RF	D42L.ALL	
010	MS21919WDG10	. Clamp, P-Type	1		
020	MS21919DG34	. Clamp, P-Type	1		
020A	MS21919WDG34	. Clamp, P-Type			
		<i>***Attaching Parts for item 020</i>			
030	AN3-4A	. . Bolt	1		
040	NAS1149F0332P	. . Washer	2		
050	MS21042-3	. . Nut, Self-Locking	1		
		<i>***End of Attaching Parts for item 020</i>			
060	079-808	. Clamp, Hose	1		
070	079-810	. Clamp, Hose	1		
080	C61-2161-102-001	. Spigot, Heat, Cabin	1		
090	MS3367-7-0	. Tywrap	3		
100	SCAT8	. Hose, SCAT (940 mm Long)	1		

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CHAPTER 21-60

TEMPERATURE CONTROL

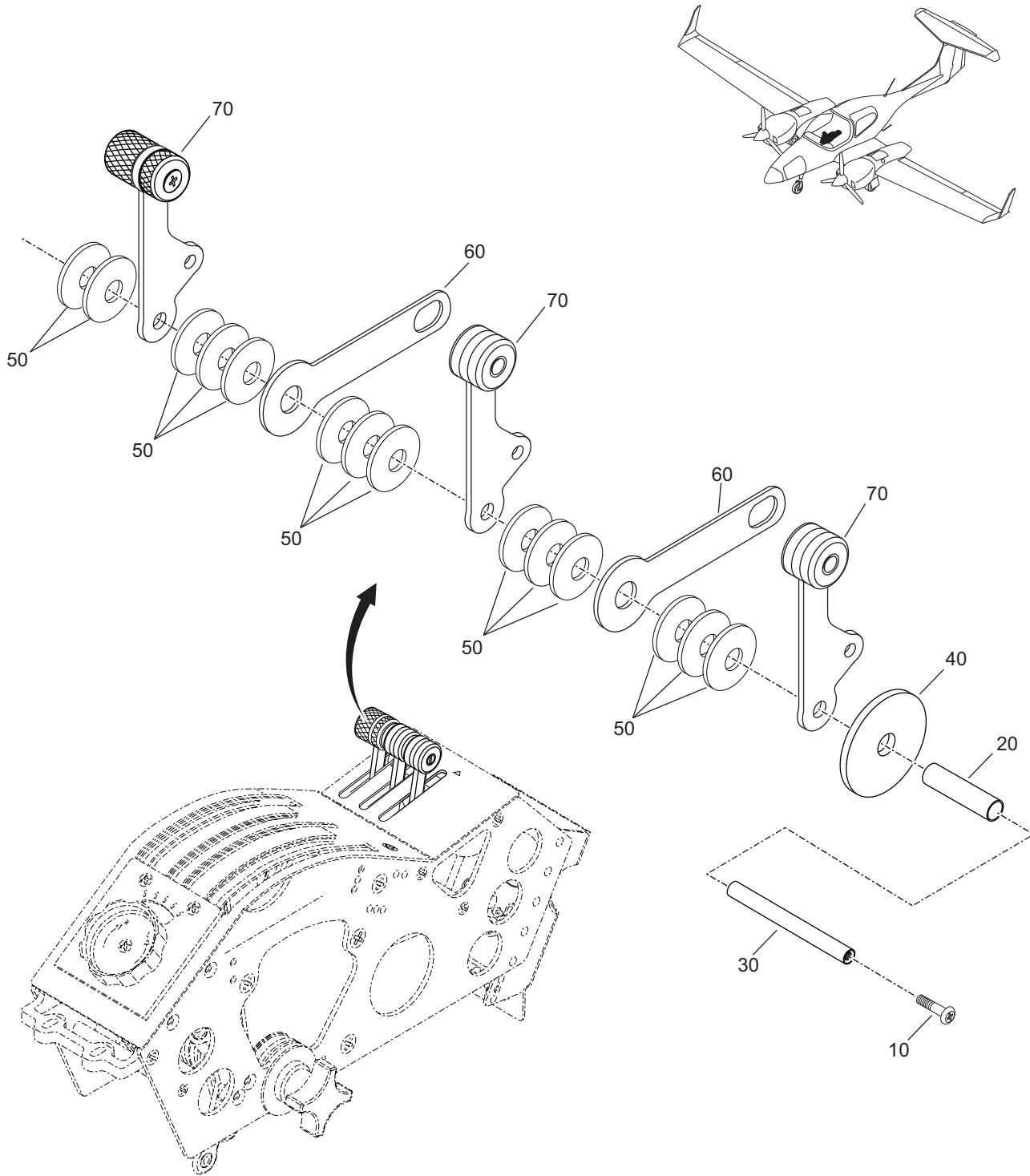


Figure 01 - Heat and Defrost Control Levers

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Heat and Defrost Control Levers	RF	D42L.ALL	
010	MS24694-C3	. Screw	2		
020	C61-7613-129-001	. Shaft, Lever	1		
030	C61-7613-117-001	. Spacer, Front	1		
040	C61-7613-145-001	. Spacer, Thin, Link	1		
050	DIN9021A-M8x6-PA	. Spacer	14		
060	C61-7613-111-001	. Plate, Link	2		
070	C61-7613-113-003	. Assembly, Lever	2		

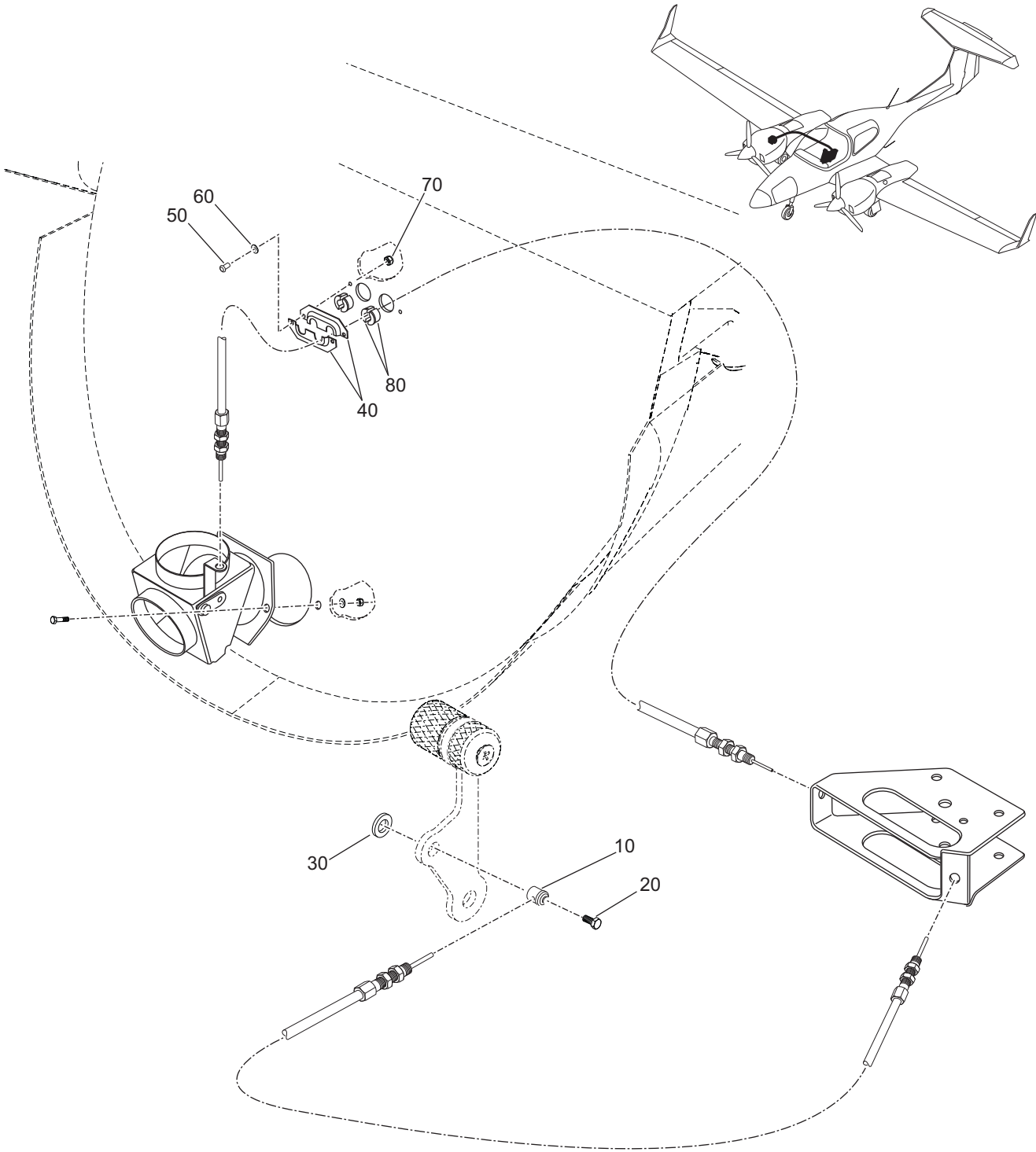


Figure 02 - Heater Control Valve

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
02-1		Heater Control Valve (LH and RH)	RF	D42L.ALL	
010	13-0403-00	. Assembly, Swivel	1		
020	AN565A8H5	. Set Screw	1		
020A	AN565A8H4	. Set Screw	1		
030	NAS1515H4L	. Washer, Nylon	1		
040	D41-7103-00-01	. Cover, Firewall	2		
		<i>***Attaching Parts for item 040</i>			
050	SSD48SSBS	. . Rivet	2		
050A	MS51957-34	. . Screw	2		
060	NAS1149CN432R	. . Washer	2		
060A	NAS1149FN632P	. . Washer	2		
070	MS21042-06	. . Nut	2		
		<i>***End of Attaching Parts for item 040</i>			
080	D41-7103-00-30	. Bushing, Cable	4		

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CHAPTER 22

AUTO FLIGHT

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 23

COMMUNICATIONS

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 24

ELECTRICAL POWER

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CHAPTER 24-00 ELECTRICAL POWER

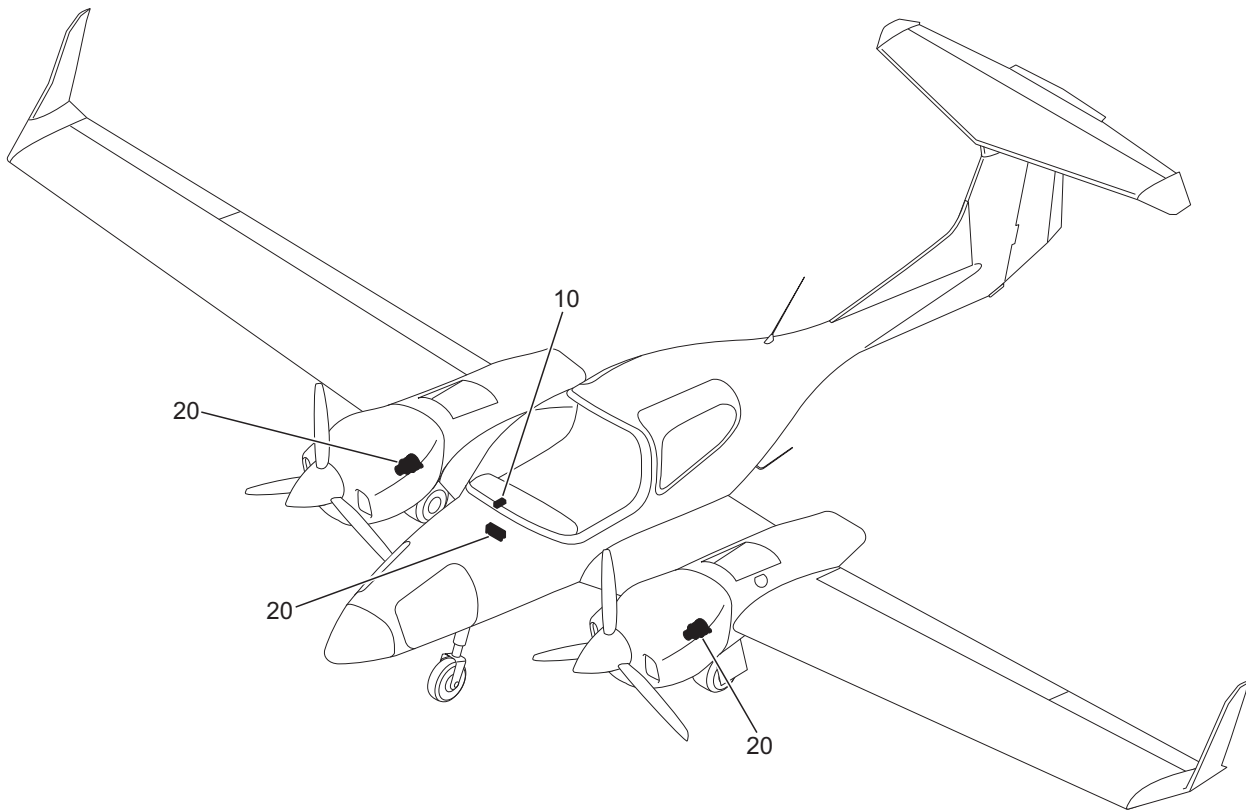


Figure 01 - Electrical Power

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Electrical Power	RF	D42L.ALL	
010		. Emergency Power	RF		
020		. DC Electrical Load Distribution	RF		

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CHAPTER 24-30
DC POWER GENERATION

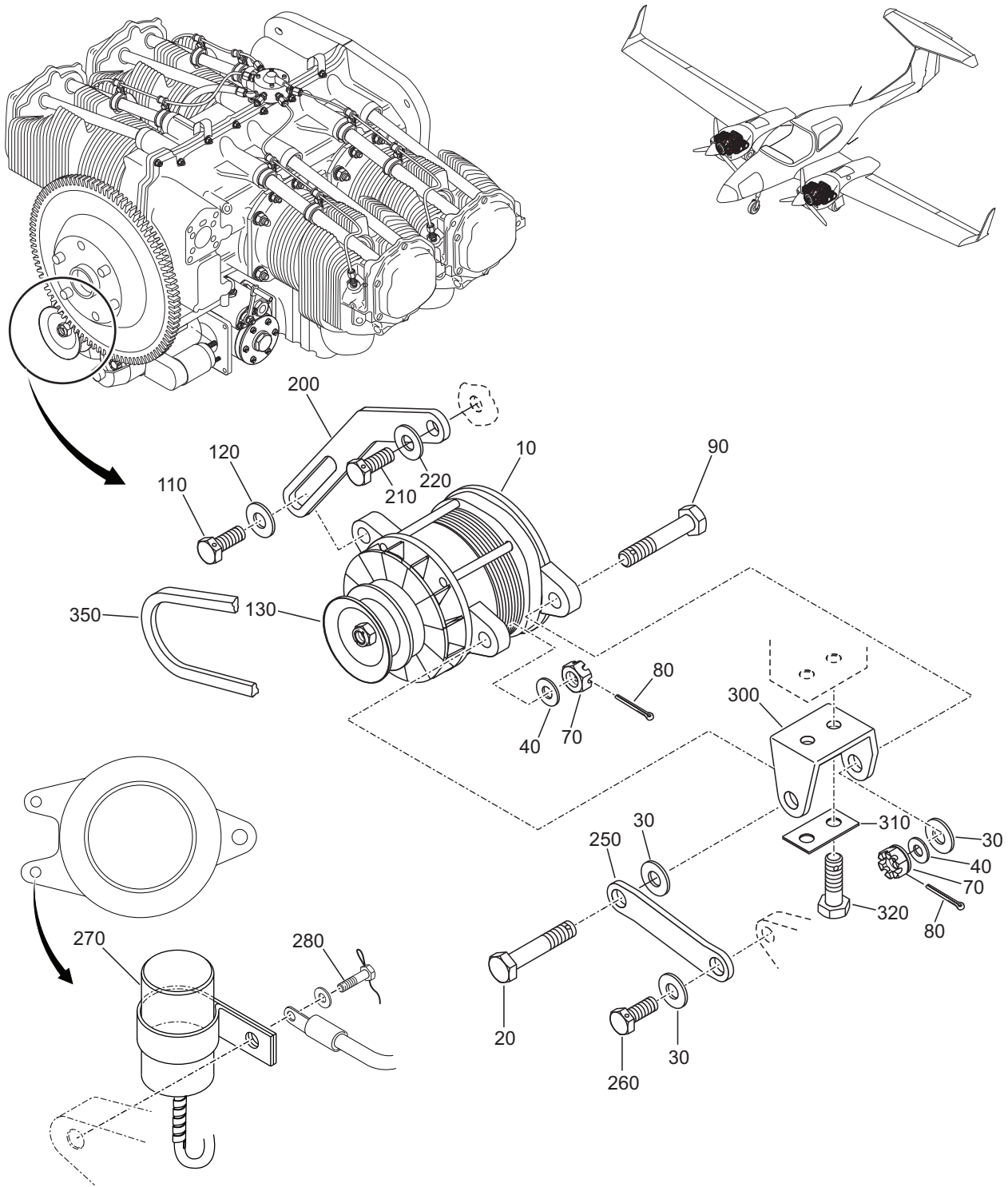


Figure 01 - DC Power Generation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		DC Power Generation (LH and RH Engine)	RF	D42L.ALL	
10	Prestolite L-ALU 8421 LS	. Alternator	1		
		<i>***Attaching Parts to Item 10</i>			
20	AN6-16	. . Bolt	1		
30	76534	. . Washer	2		
40	STD690	. . Washer	2		
70	STD-872	. . Castellated Nut	2		
80	STD-713	. . Cotter Pin	2		
90	AN6-17	. . Bolt	1		
110	LW-31HO75	. . Bolt	1		
120	STD-1727	. . Washer	1		
		<i>***End of Attaching Parts to Item 10</i>			
130	36B19484	. Alternator Pulley	1		
		<i>***Attaching Parts to Item 10</i>			
200	75380	. . Bracket	1		
210	LW-31HO75	. . Bolt	1		
220	STD-35	. . Washer	1		
250	74323	. . Strut	1		
260	LW-31HO75	. . Bolt	1		
		<i>***End of Attaching Parts to Item 10</i>			
270	A-9756	. . EMI Filter	1		
		<i>***Attaching Parts to Item 270</i>			
280	LW-31HO75	...Bolt	1		
		<i>***End of Attaching Parts to Item 270</i>			

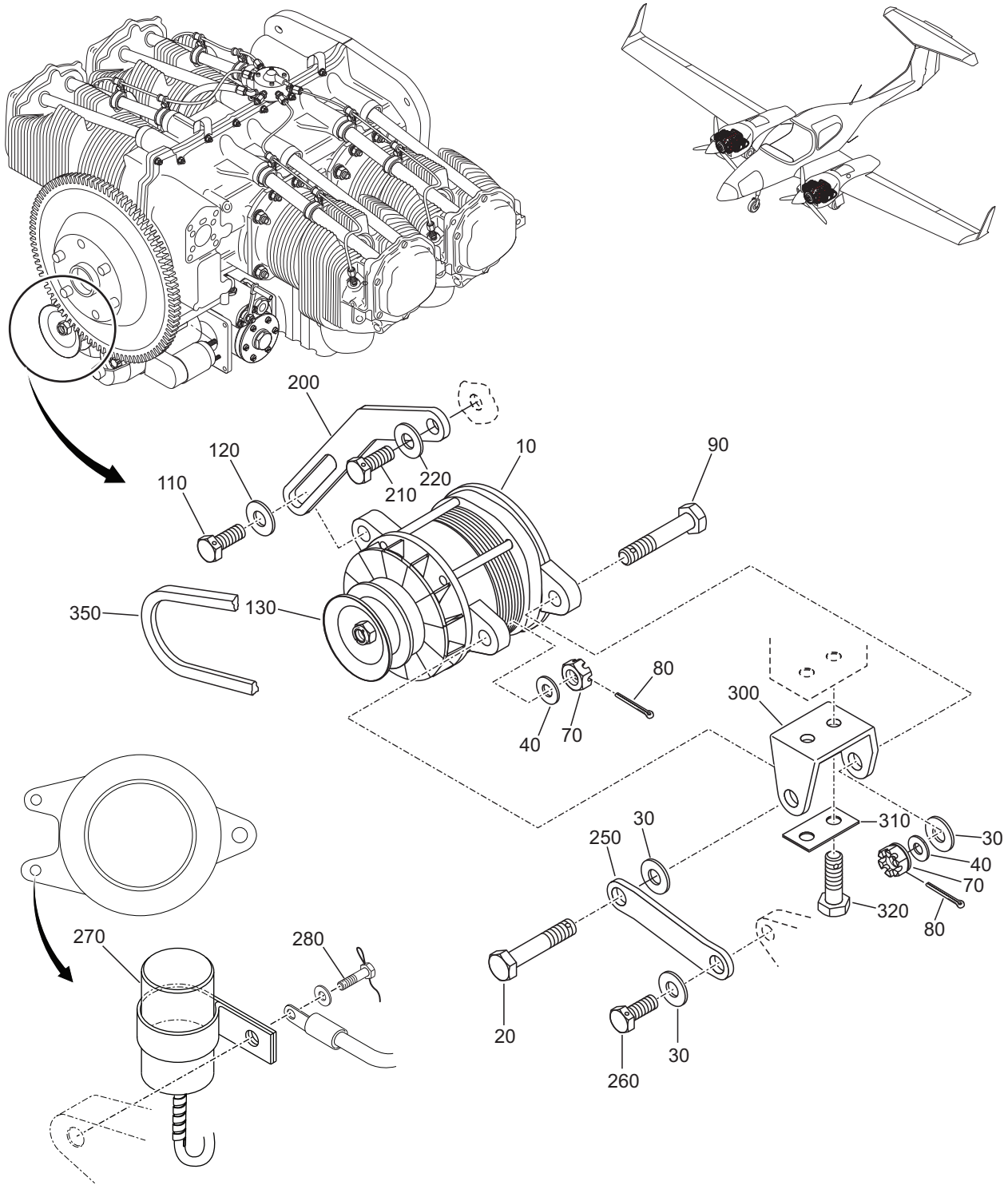


Figure 01 - DC Power Generation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		DC Power Generation (LH and RH Engine) <i>***Attaching Parts to Item 10</i>	RF	D42L.ALL	
300	07A19474	. . Bracket	1		
310	73383	. . Plate	1		
320	LW-31-0.94	. . Bolt	2		
		<i>***End of Attaching Parts to Item 10</i>			
350	37A19773-376	. Alternator Belt	1		

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CHAPTER 24-31
BATTERY SYSTEMS

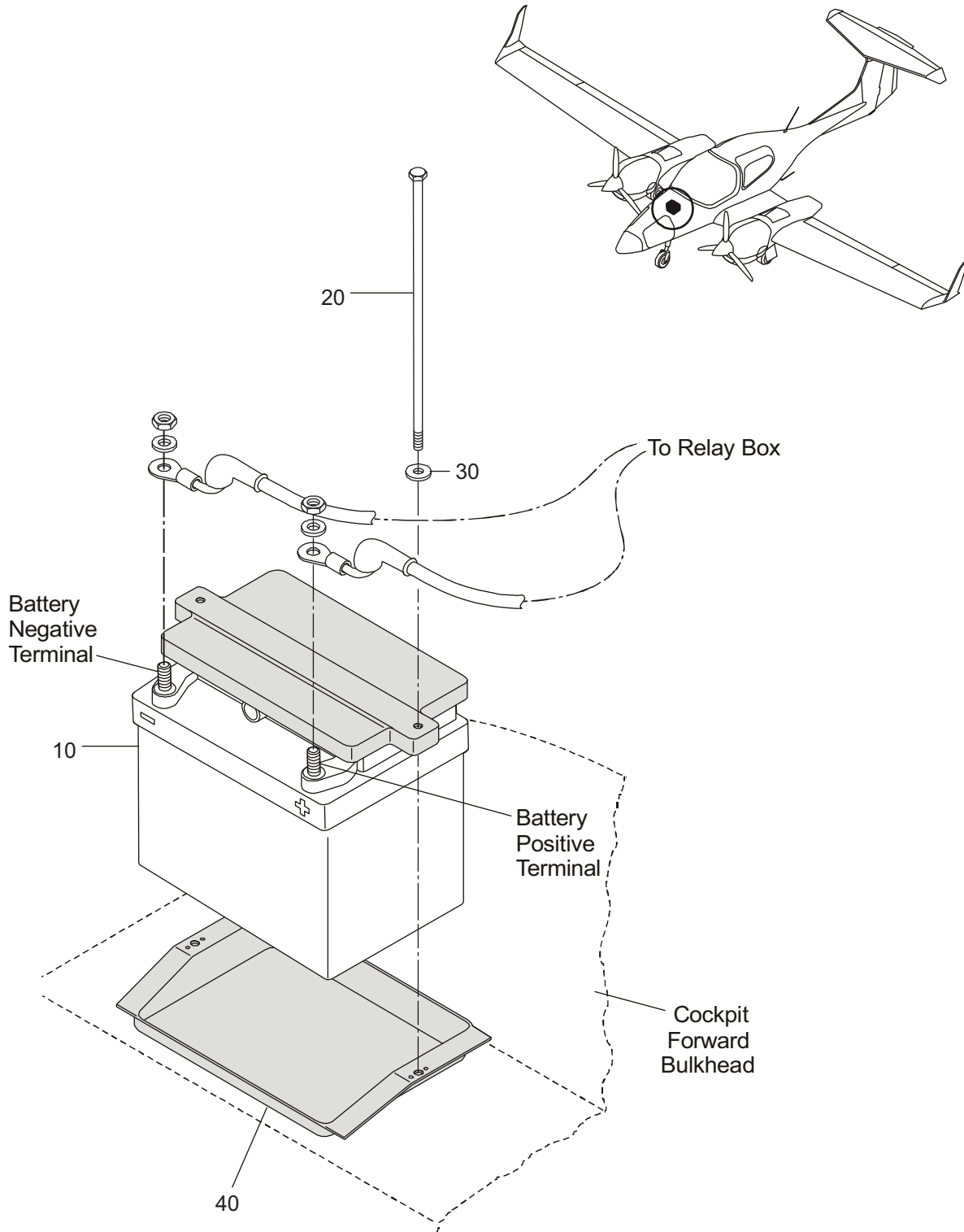


Figure 01 - Battery Systems

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Battery Systems	RF	D42L.ALL	
10	RG24-15	. Battery, Maintenance Free ***Attaching Parts to Item 10	1		
20	DIN931-M6X160-A2	. . Bolt	2		
30	DIN125-A6, 4-A2	. . Washer ***End of Attaching Parts to Item 10	2		
40	D60-5342-20-00	. Battery Tray	1		

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CHAPTER 24-32 EMERGENCY POWER

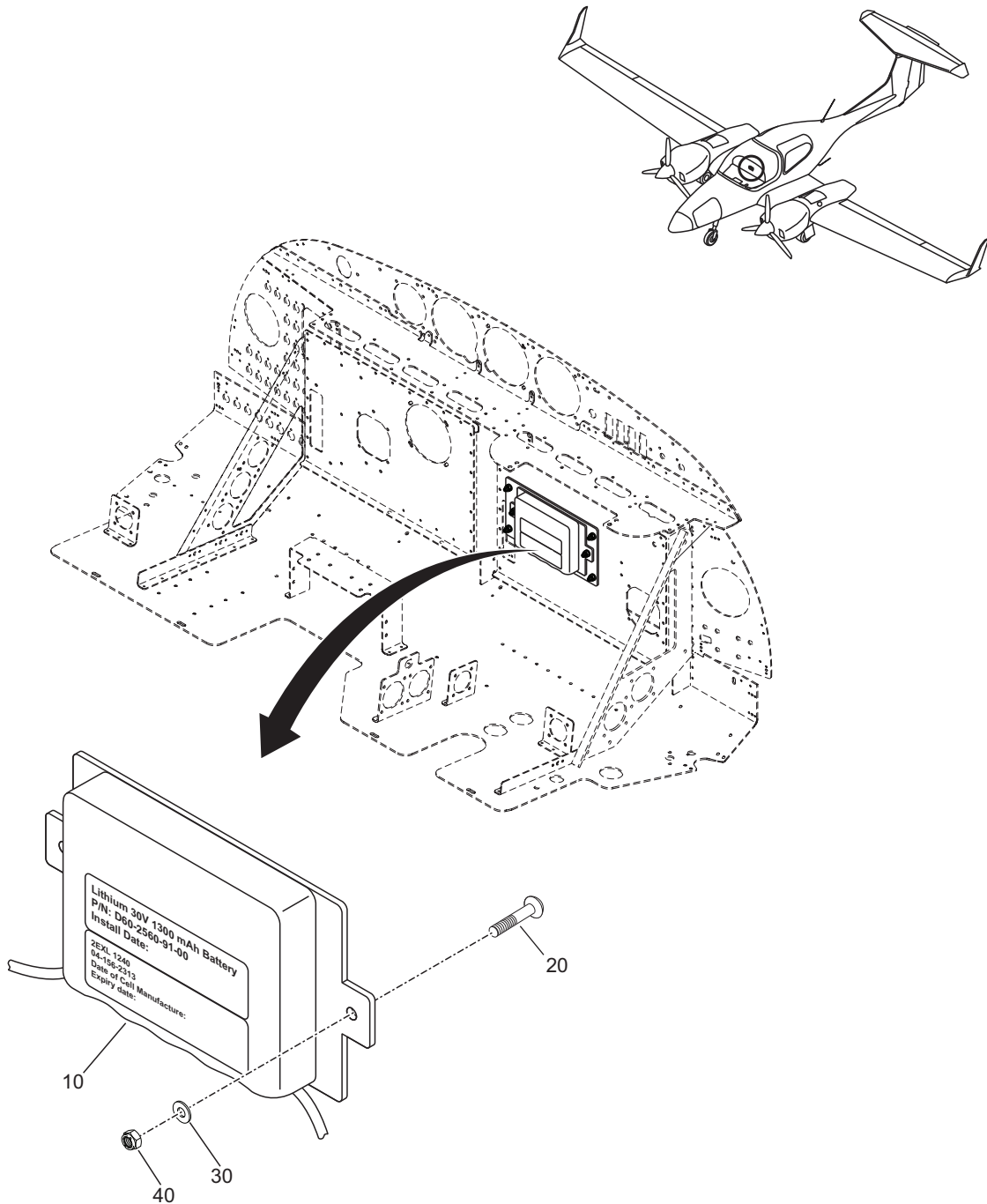


Figure 01 - Emergency Power Pack

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Emergency Power Pack	RF	D42L.ALL	
010	D60-2560-91-00	. Emergency Battery Pack <i>***Attaching Parts for item 010</i>	1		
020	MS35206-230	. . Screw	2		
030	AN960D6L	. . Washer, Flat	2		
040	MS20365-632	. . Locknut <i>***End of Attaching Parts for item 010</i>	2		

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CHAPTER 24-60

DC ELECTRICAL DISTRIBUTION

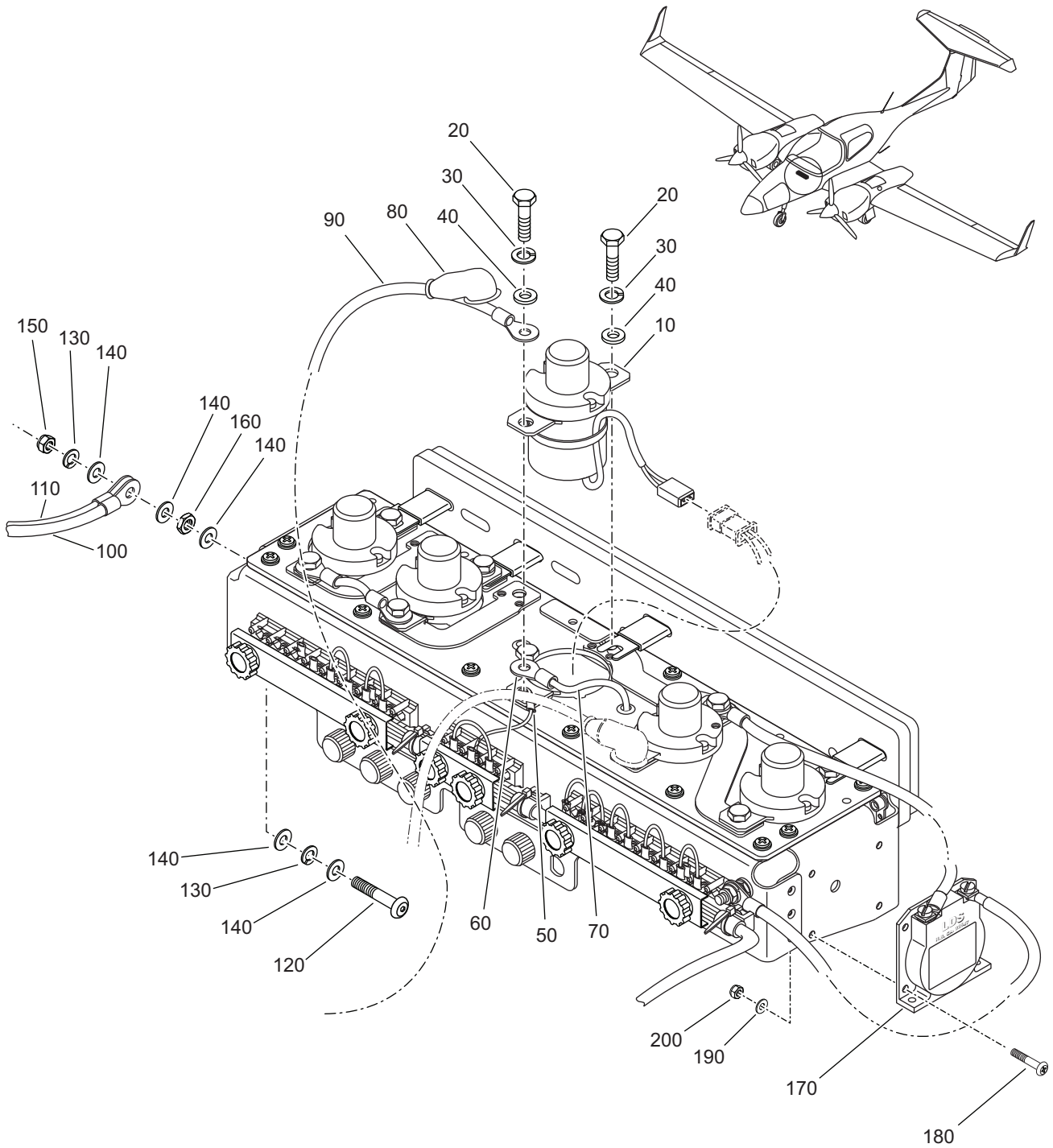
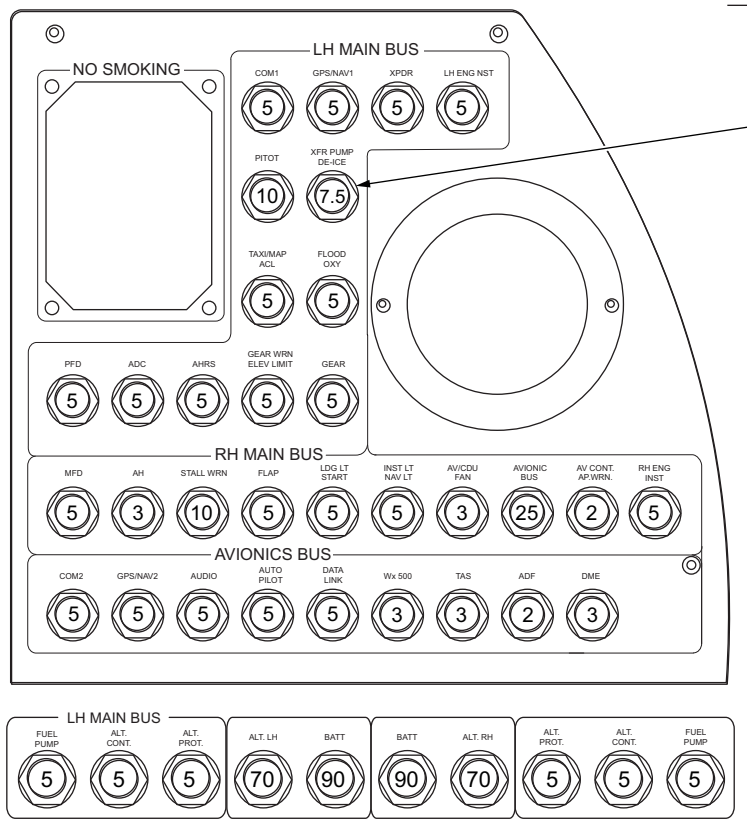
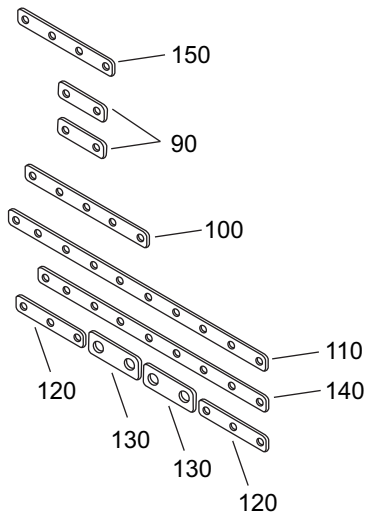
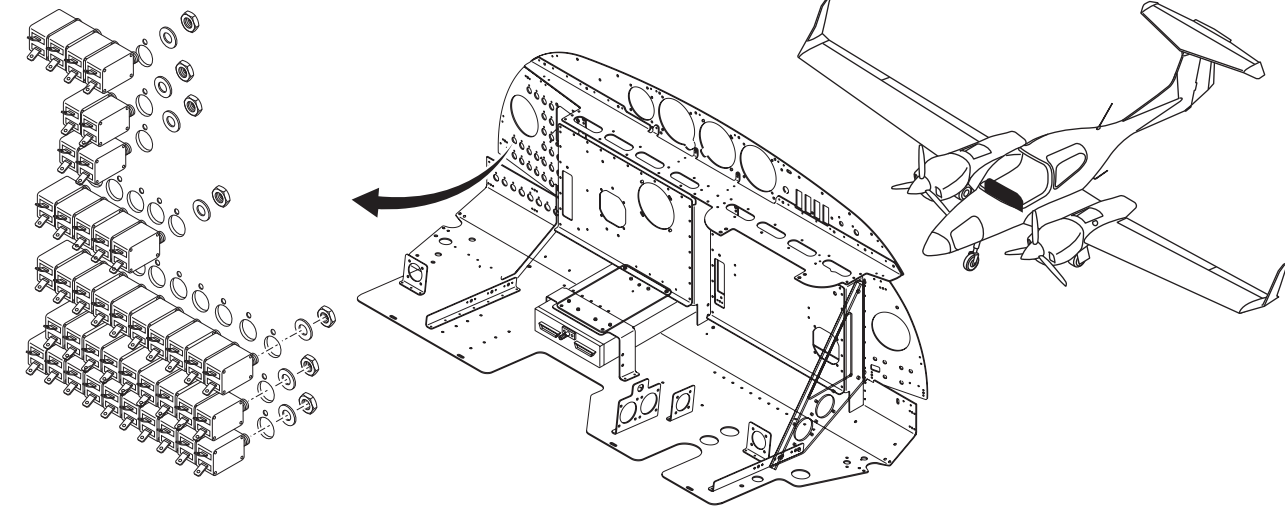


Figure 01 - Battery Relay Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Battery Relay Installation	RF	D42L.ALL	
010	2-1616921-3	. Relay, K-400BIF <i>***Attaching Parts for item 010</i>	1		
020	AN4-7A	. . Bolt	2		
030	MS35338-44	. . Washer, Lock	2		
040	NAS1149F0463P	. . Washer, Flat <i>***End of Attaching Parts for item 010</i>	2		
050	31895	. Ring Terminal, Red	1		
060	320563	. Ring Terminal, Blue	1		
070	M22759/16-14-9	. Wire, 14 AWG, (0.15 M)	AR		
080	MS25171-3S	. Boot, Insulating	2		
090	D60-2463-70-00	. Cable, Battery (+), Center Panel	1		
100	D60-2463-71-00	. Cable, Battery (-), Center Panel	1		
110	D60-2463-73-00	. Cable, EPU (-), Center Panel <i>***Attaching Parts for item 110</i>	1		
120	MS35207-283	. . Bolt	1		
130	MS35338-44	. . Washer, Lock	2		
140	NAS1149D0416H	. . Washer, Flat	5		
150	MS21044N4	. . Locknut	1		
160	MS25082-4	. . Nut <i>***End of Attaching Parts for item 110</i>	1		
170	LDS50-60-28-1	. Voltage Suppressor, DC <i>***Attaching Parts for item 170</i>	1		
180	MS35206-230	. . Screw	4		
190	NAS1149DN616H	. . Washer, Flat	4		
200	MS20365-632	. . Locknut <i>***End of Attaching Parts for item 170</i>	4		



See Note in the Parts List.

- 10 (5A)
- 20 (10A)
- 30 (3A)
- 40 (25A)
- 50 (2A)
- 60 (70A)
- 70 (90A)
- 80 (7.5A)

Figure 02 - Circuit Breaker Panel

Fig Item	Part Number	Nomenclature	Units Per	From	To
			Assy	S/N	S/N
02-1		Circuit Breaker Panel	RF	D42L.ALL	
010	MS3320-5	. Circuit Breaker, 5 Amp*	26 (27)		
020	MS3320-10	. Circuit Breaker, 10 Amp*	2 (3)		
030	MS3320-3	. Circuit Breaker, 3 Amp	5		
040	MS3320-25	. Circuit Breaker, 25 Amp	1		
050	MS3320-2	. Circuit Breaker, 2 Amp	3		
060	413-K14-LN2-70A	. Circuit Breaker, 70 Amp	2		
070	413-K14-LN2-90A	. Circuit Breaker, 90 Amp	2		
080	MS3320-7.5	. Circuit Breaker, 7.5 Amp*	1		
<p>NOTE: *Use 5A Circuit Breaker for DE-ICE, 7.5A Circuit Breaker for XFR PUMP, and 10A Circuit Breaker for XFR PUMP+DE-ICE</p>					
090	D60-3111-60-04	. Bus Bar, 2 Pos, Small	2		
100	D4D-3112-60-01	. Bus Bar, 5 Pos	1		
110	DA4-3122-60-06	. Bus Bar, 10 Pos	1		
120	DA4-3122-60-05	. Bus Bar, 3 Pos	2		
130	D60-3111-60-05	. Bus Bar, 2 Pos, Large	2		
140	D60-3111-60-01	. Bus Bar, 9 Pos	1		
150	DA4-3144-60-01	. Bus Bar, 4 Pos	1		
150A	DA4-3122-60-10	. Bus Bar, 5 Pos	1		
150B	DA4-3151-60-01	. Bus Bar, 6 Pos	1		
150C	DA4-3122-60-07	. Bus Bar, 7 Pos	1		
150D	DA4-3144-60-02	. Bus Bar, 8 Pos	1		
150E	DA4-3111-60-01	. Bus Bar, 9 Pos	1		

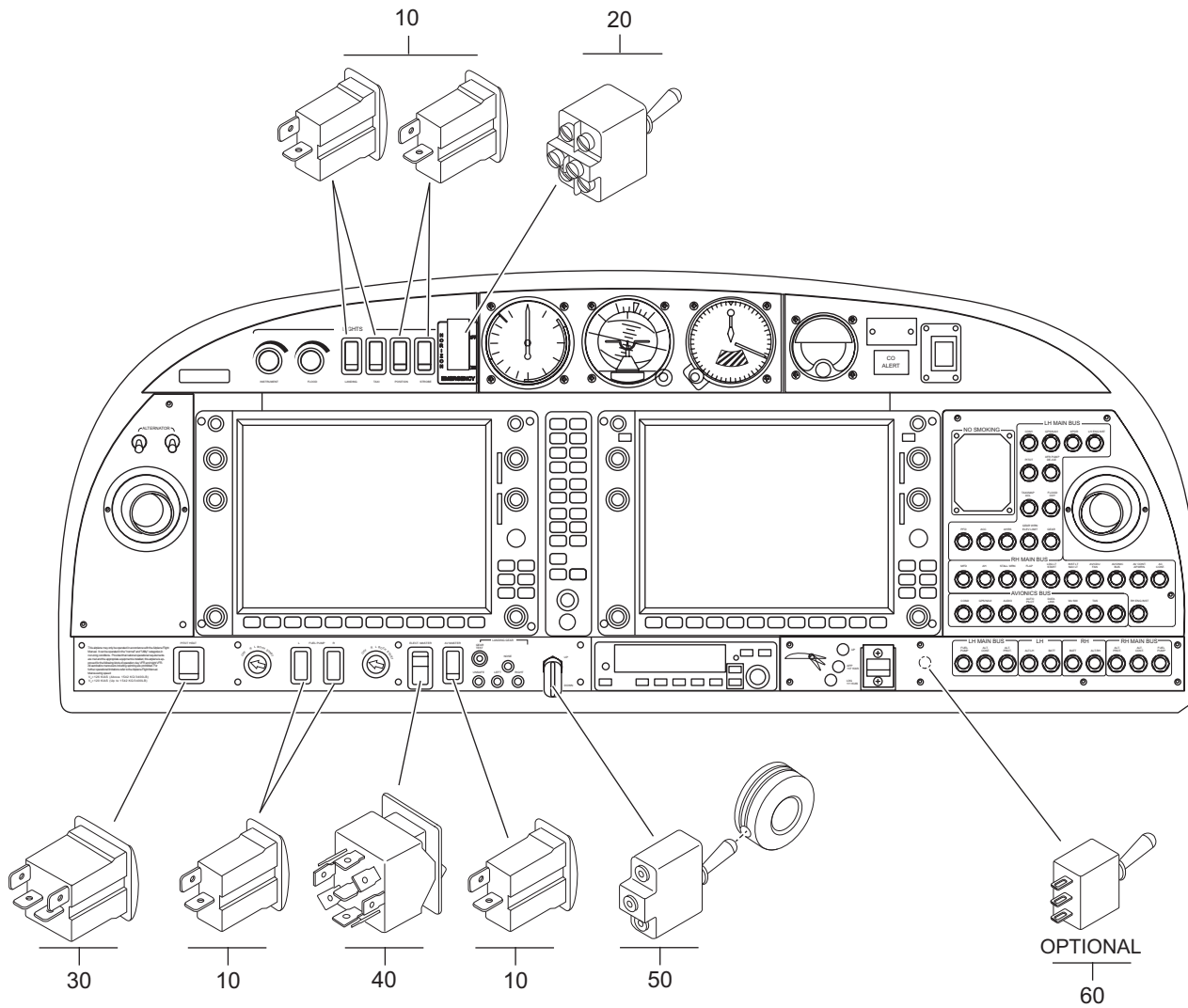


Figure 03 - Instrument Panel Switches

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
		1 2 3 4 5 6			
03-1		Instrument Panel Switches	RF	D42L.ALL	
010	K1ACAAAAAA	. Switch, Rocker [Optional P/N K1ACBTDADA (Used with SB D42L-28-01)]	7		
020	MS24524-23	. Switch	1		
030	K2ACHAAAAA	. Switch, Rocker	1		
040	TIHK51-1S-RD-FN-BL	. Switch, Red Rocker	1		
050	MS24658-23D	. Switch	1		
060	7301SYZQE	. Switch, Toggle	1		

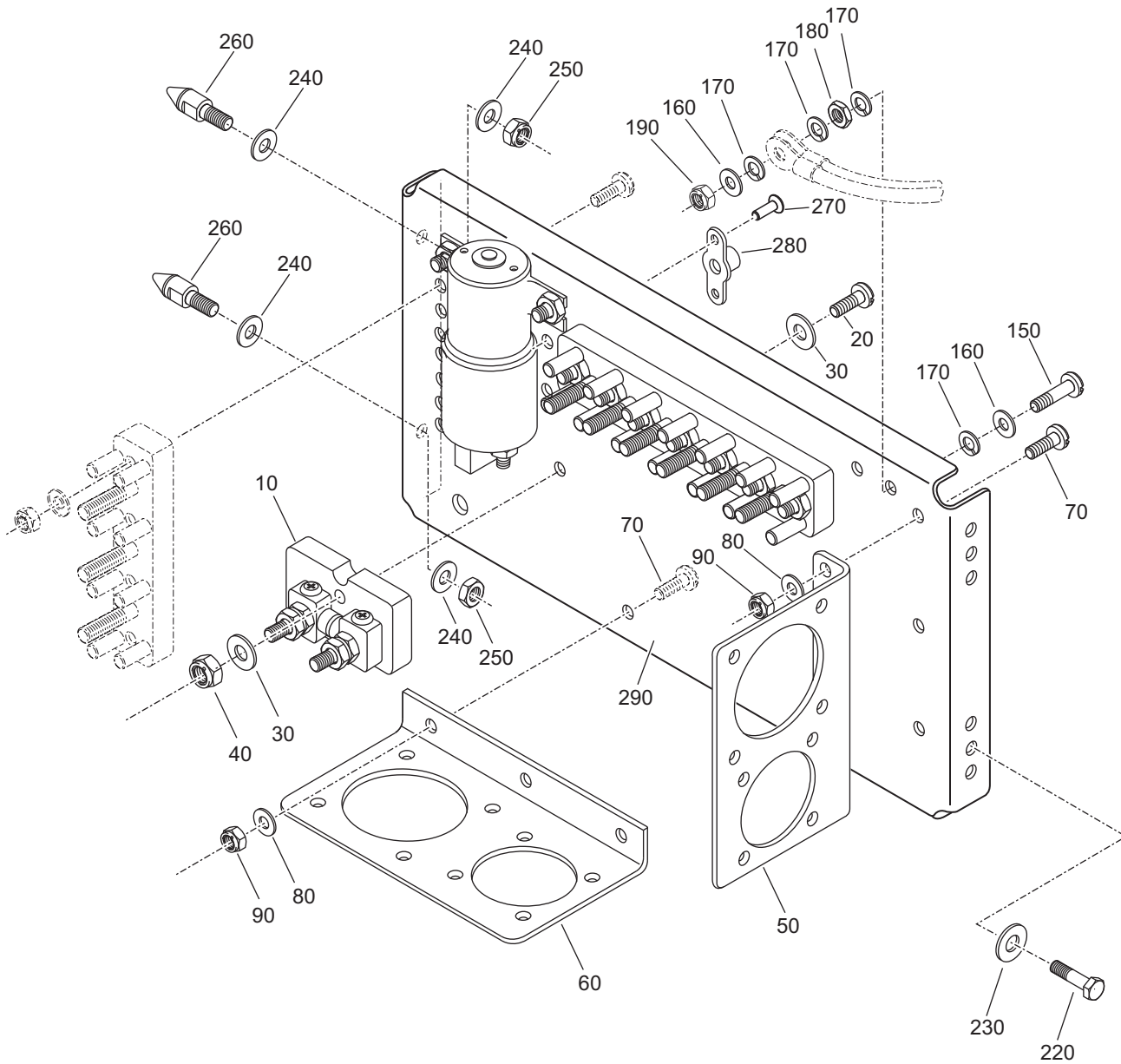


Figure 04 - Relay Panel Plate Assembly (Sheet 1 of 2) - LH Shown

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
04-1		Panel Assembly, Relay Panel	RF	D42L.ALL	
010	MLA-100-100	. Shunt <i>***Attaching Parts for item 010</i>	2		
020	MS35206-231	. . Screw	4		
030	AN960D6L	. . Washer	8		
040	MS20365-632	. . Locknut <i>***End of Attaching Parts for item 010</i>	4		
050	C61-2407-103-001	. Bracket, Large Connector, CPC, LH	1		
060	C61-2407-104-001	. Bracket, Small Connector, CPC, LH <i>***Attaching Parts for item 050 and 060</i>	1		
070	MS35206-228	. . Screw	6		
080	AN960D6L	. . Washer	6		
090	MS20365-632	. . Locknut <i>***End of Attaching Parts for item 050 and 060</i>	6		
100	C61-2407-103-001	. Bracket, Large Connector, CPC, LH	1		
110	C61-2407-107-002	. Bracket, Small Connector, CPC, RH <i>***Attaching Parts for item 100 and 110</i>	1		
120	MS35206-228	. . Screw	5		
130	AN960D6L	. . Washer	5		
140	MS20365-632	. . Locknut <i>***End of Attaching Parts for item 100 and 110</i>	5		
150	MS35206-233	. Screw	4		
160	MS35338-41	. Washer. Lock	8		
170	AN960D6L	. Washer	2		
180	AN340-6	. Nut	2		
190	MS20365-632	. Locknut			

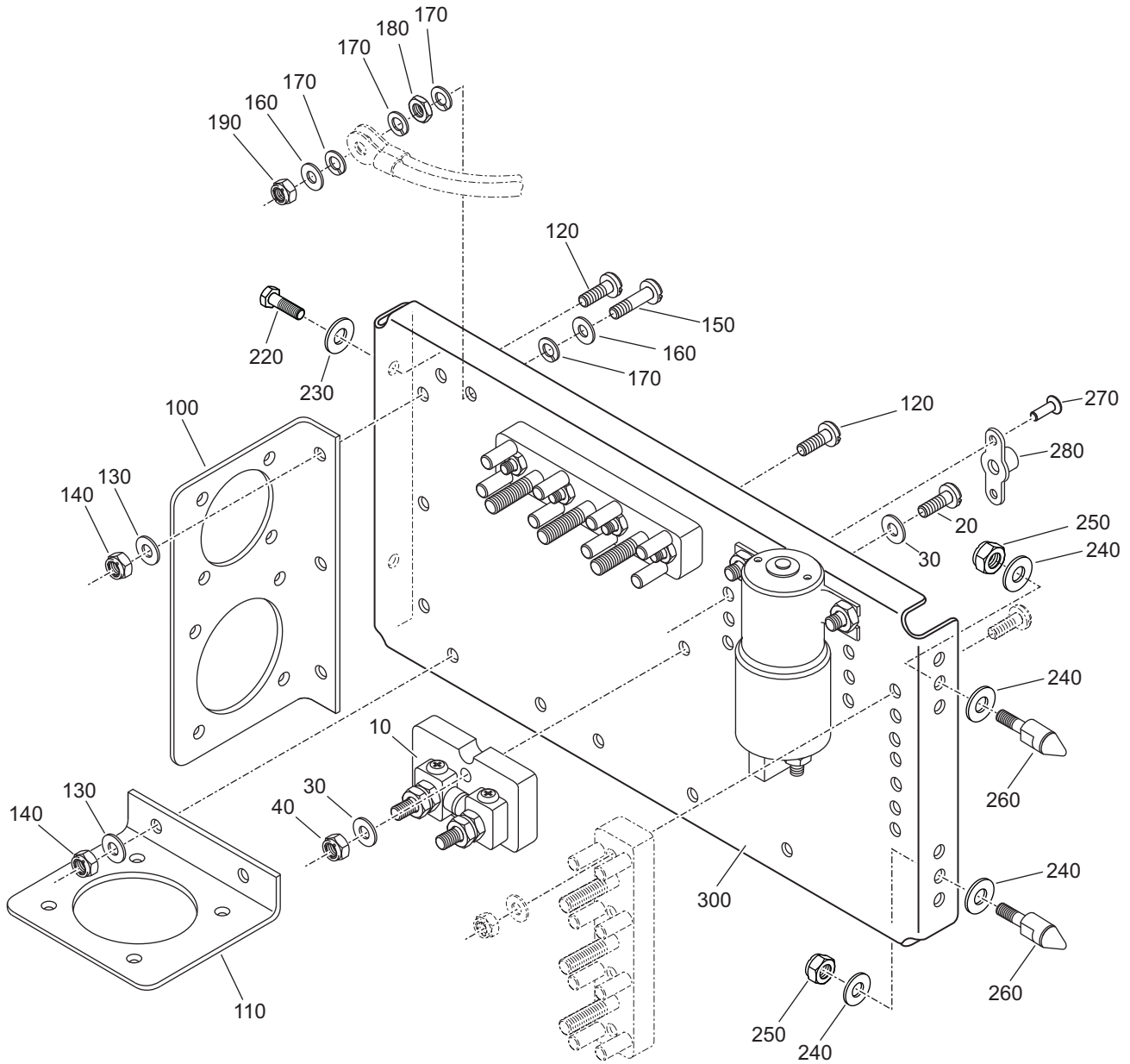


Figure 04 - Relay Panel Plate Assembly (Sheet 2 of 2) - RH Shown

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
04-1		Panel Assembly, Relay Panel	RF	D42L.ALL	
- 200	C61-2464-108-001	. Assembly, Plate, Relay, LH	1		
- 210	C61-2464-109-002	. Assembly, Plate, Relay, RH	1		
		<i>***Attaching Parts for item</i>			
220	AN3-4A	. . Bolt	4		
230	AN960-10	. . Washer	4		
240	DIN125A-M5-A2	. . Washer, Flat, Stainless	8		
250	DIN965-M5-A2	. . Locknut, Stainless	4		
260	D60-2464-11-30	. . Pin, Guide	4		
		<i>***End of Attaching Parts for item</i>			
270	MS21047-3	. . Nut Plate	8		
280	MS20426AD3-3	. . Rivet	16		
290	C61-2464-103-001	. . Plate, Mounting, LH	1		
300	C61-2464-104-002	. . Plate, Mounting, RH	1		

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CHAPTER 25

EQUIPMENT AND FURNISHINGS

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 26

FIRE PROTECTION

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 27 FLIGHT CONTROLS

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CHAPTER 27-20

RUDDER

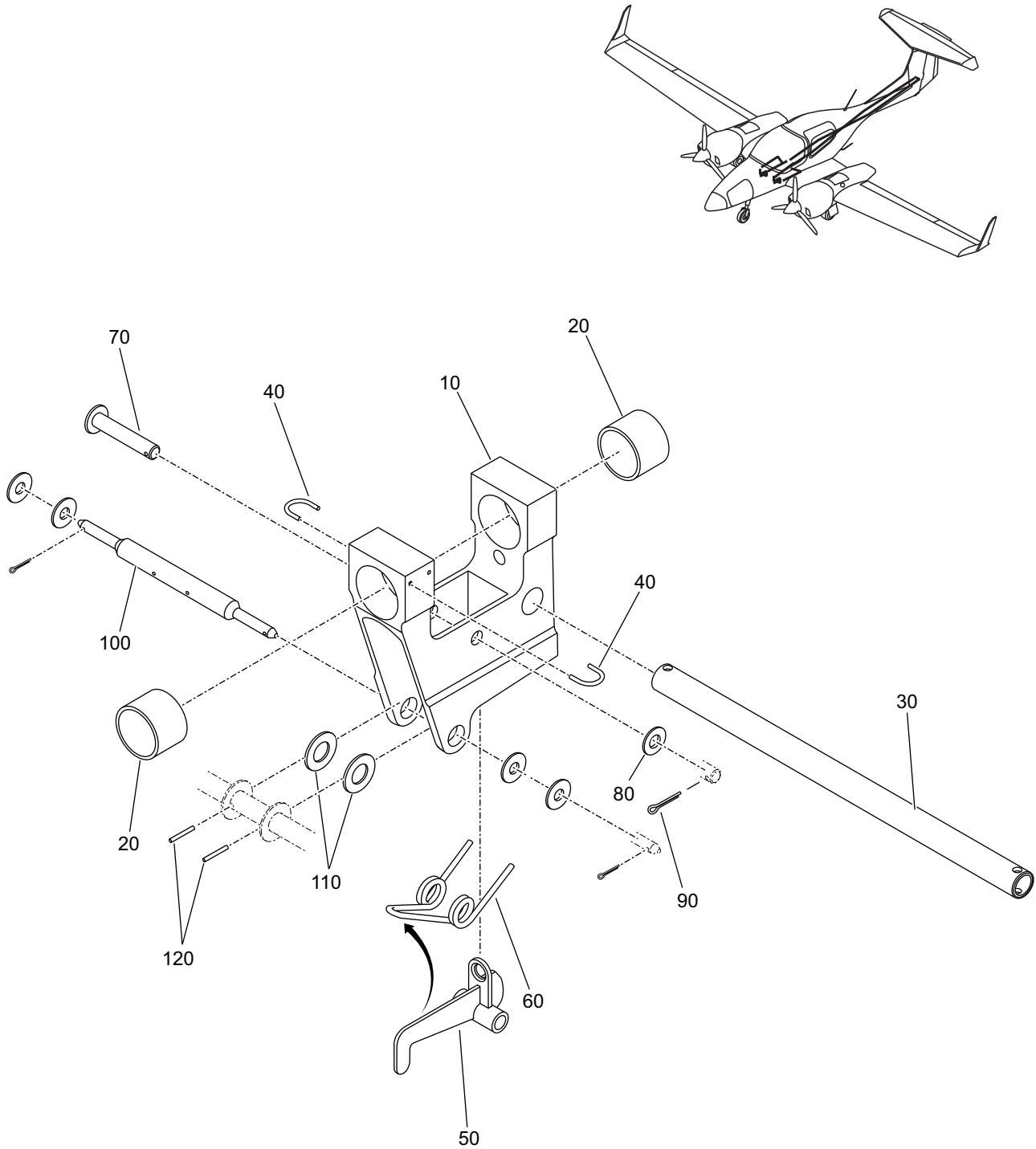


Figure 01 - Latch Frame Assembly (LH/RH)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Latch Frame Assembly (LH/RH)	RF	D42L.ALL	
010	20-2722-91-01_1	. Frame, Latch ***Replaces P/N 20-2722-91-01*** ***Parts for item 010	2		
020	PAPZ1208P10	. . Bushing, Permaglide	4		
020A	EGBZ0808-E40	. . Bearing, Elgoglide	4		
030	20-2722-11-02	. . Tube, Support, Pedal	2		
040	20-2722-11-04	. . Eye, Spring, Latch	4		
050	20-2722-28-00	. . Latch, Pedal, Rudder	2		
060	20-2722-07-00	. . Spring, Torsion ***Attaching Parts for item 050	2		
070	MS20392-3P35	. . . Pin, Celvis	2		
080	AN960-C416	. . . Washer, Plain	2		
090	MS24665-151	. . . Pin, Cotter ***End of Attaching Parts for item 050	2		
100	22-2729-60-01	. . Pin, Pedal, Rudder, Type IV ***Replaces P/N 22-2723-60-01*** ***Attaching Parts for item 100	2		
110	AN960-516L	. . . Washer, Thin	4		
120	MS171465	. . . Pin, Spring ***Replaces P/N MS171435*** ***End of Attaching Parts for item 100 ***End of parts for item 010	4		

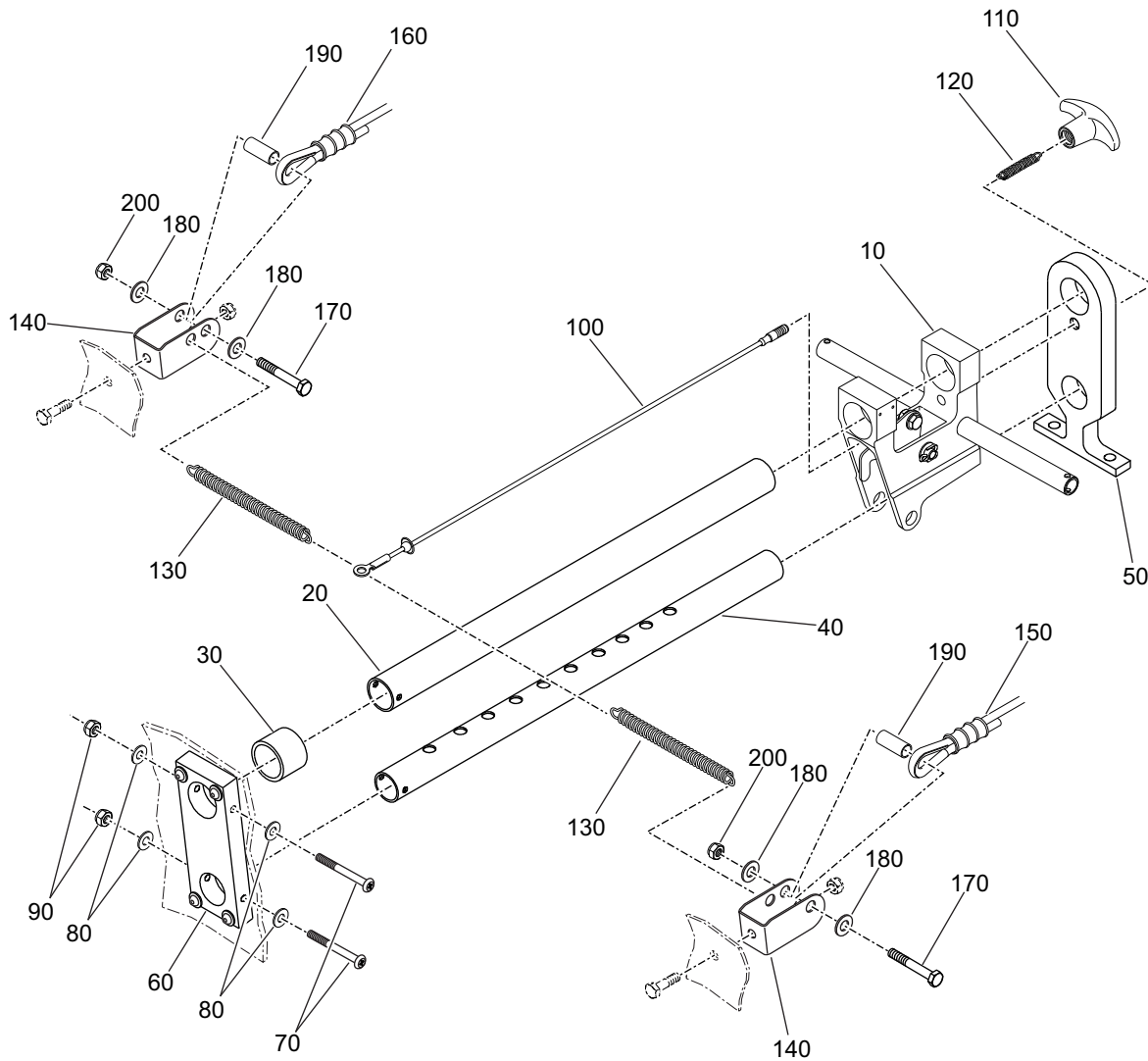


Figure 02 - Rudder Pedal Sledge Tube Assembly (LH/RH)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Rudder Pedal Sledge Tube Assembly (LH/RH)	RF	D42L.ALL	
010	22-2723-60-00	. Assembly, Frame, Latch, Type IV ***Replaced by P/N 22-2729-60-00**	RF		
	22-2729-60-00	. Assembly, Frame, Latch, Type IV ***Replaces P/N 22-2723-60-00**	RF		
020	22-2720-00-04	. Tube, Sledge, Upper, Pedal, Rudder ***Parts for item 020	2		
030	C61-2700-101-001	. . Stop, Pedal ***End of parts for item 020	2		
040	22-2720-00-03	. Tube, Sledge, Lower, Pedal, Rudder ***Attaching Parts for item 020 and 040	2		
050	20-2722-00-07	. . Bracket, Aft, Pedal, Rudder	2		
060	22-2720-00-02	. . Bracket, Forward, Tube, Sledge, Pedal, Rudder	2		
070	MS27039-08-26	. . Screw, Machine, Pan Head	4		
080	AN960-8	. . Washer, Plain	8		
090	MS21042-08	. . Nut, Self-Locking ***End of Attaching Parts for item 020 and 040	4		
100	20-2700-21-00	. Assembly, Cable, Adjustment, Pedals, Rudder ***Attaching Parts for item 100	2		
110	2-293-309	. . Knob, Tee (Black)	2		
120	20-2700-20-04	. . Spring, Relief, Strain, Rudder Pedal Adjustment	2		
130	20-2700-20-02	. . Spring, Recoil, Rudder Pedal Adjustment ***End of Attaching Parts for item 100	4		
140	22-2720-00-05	. Bracket, Cable, Control, Rudder	4		
150	CA1-1600	. Assembly, Cable, Control, Forward, Long	RF		
160	CA1-1200	. Assembly, Cable, Control, Forward, Short ***Attaching Parts for item 150 and 160	RF		
170	AN4-13A	. . Bolt, Machine	4		
180	AN960-416L	. . Washer, Flat	8		
190	22-2720-00-06	. . Spacer	4		
200	MS21044N4	. . Nut, Self-Locking ***End of Attaching Parts for item 150 and 160	4		

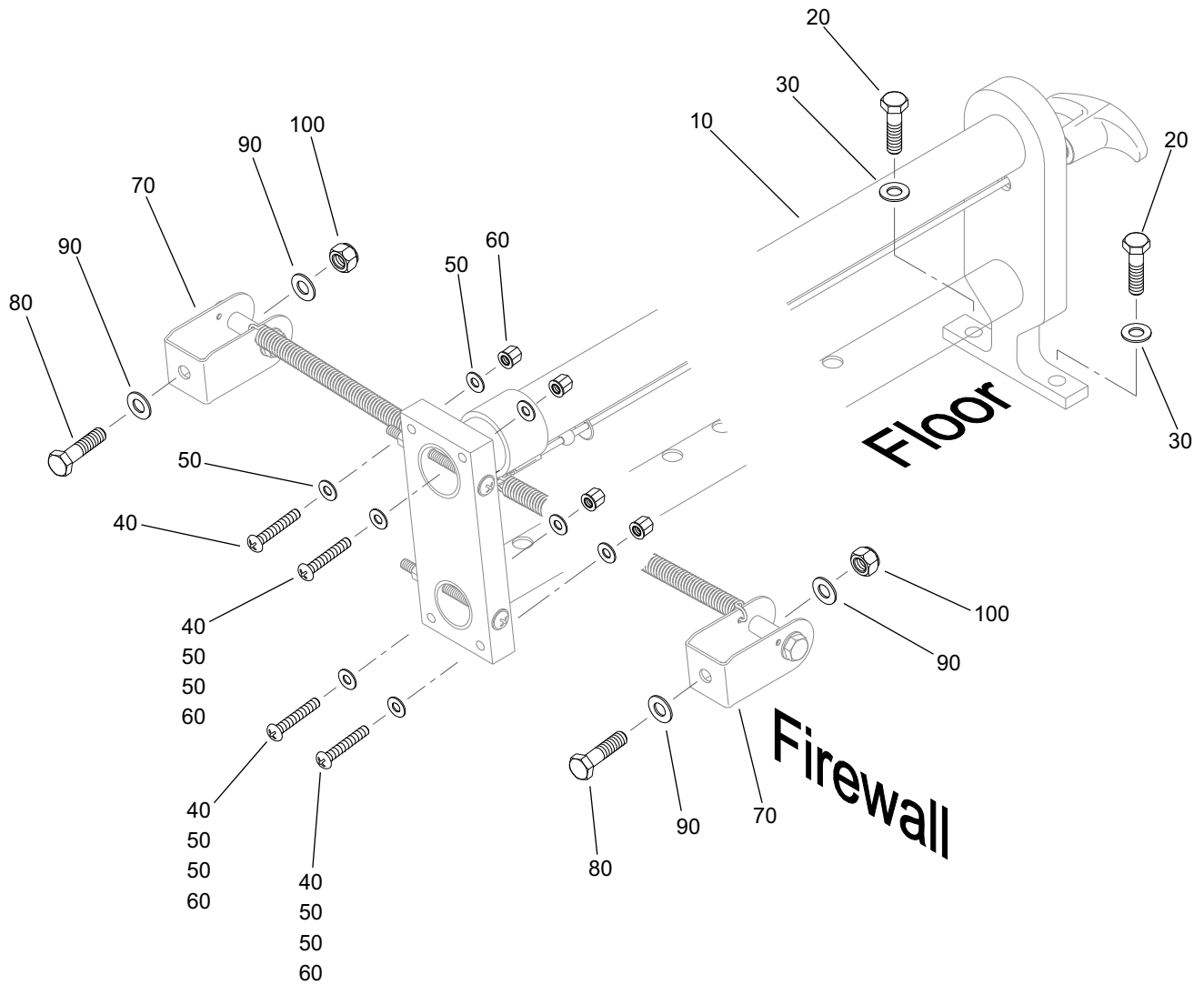


Figure 03 - Rudder Pedal Sledge Tube Assembly Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
03-1		Rudder Pedal Sledge Tube Assembly Installation	RF	D42L.ALL	
010		. Assembly, Tube, Sledge, Pedal, Rudder <i>***Attaching Parts for item 010</i>	RF		
020	AN3-7A	. . Bolt, Machine	4		
030	AN960-10	. . Washer, Plain	4		
040	MS27039-08-18	. . Screw, Machine, Pan Head	8		
050	AN960-8	. . Washer, Plain	16		
060	MS21042-08	. . Nut, Self-Locking <i>***End of Attaching Parts for item 010</i>	8		
070	22-2720-00-05	. Bracket, Cable, Control, Rudder <i>***Attaching Parts for item 070</i>	RF		
080	AN4-6A**	. . Bolt, Machine	4		
090	AN960-416	. . Washer, Plain	8		
100	MS21044N4	. . Nut, Self-Locking <i>***End of Attaching Parts for item 070</i>	4		

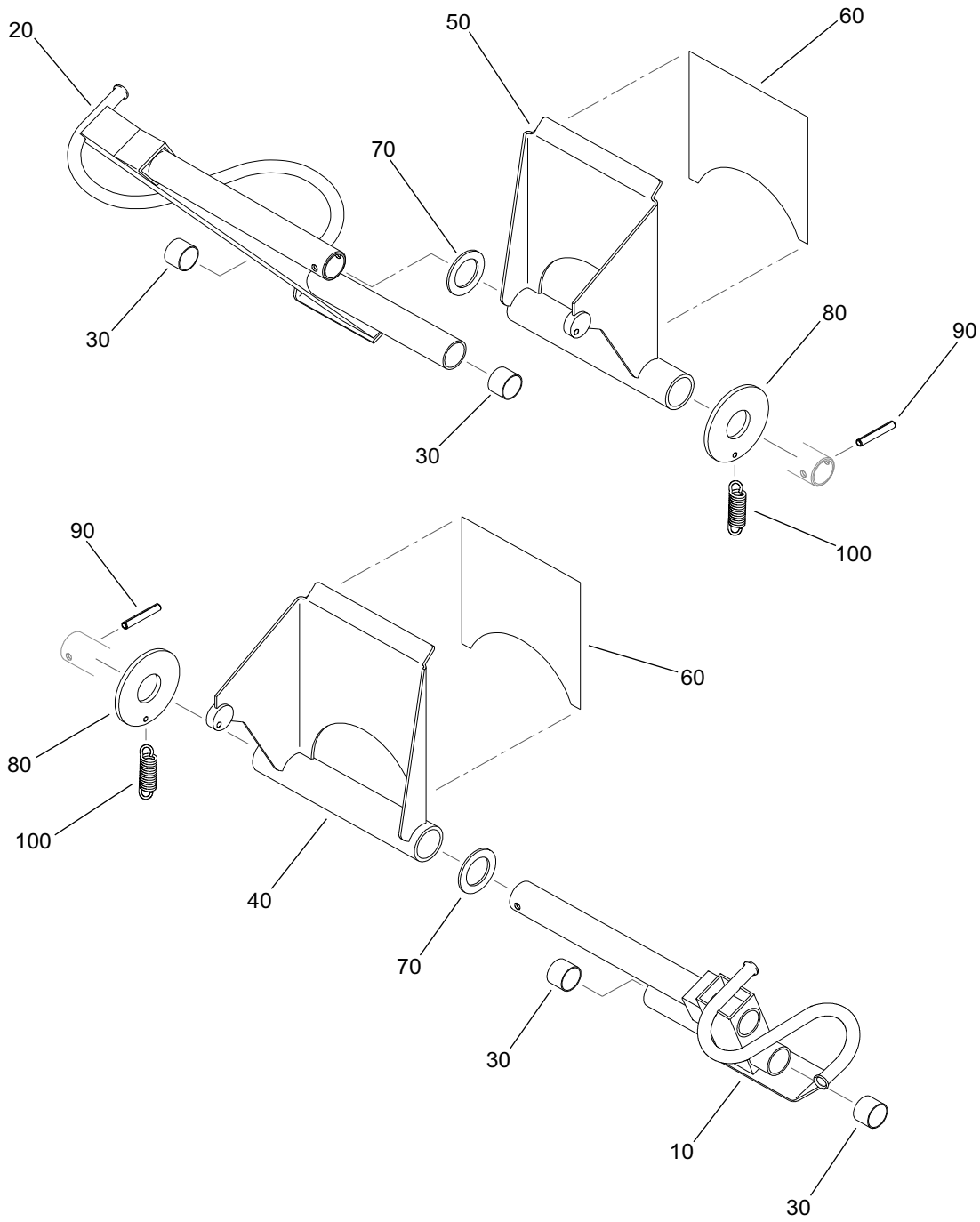


Figure 04 - Rudder/Brake Pedal Assembly (LH/RH)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
04-1		Rudder Pedal Welded Assembly, Short, (LH)	RF	D42L.ALL	
010	22-2727-11-00	. Pedal, Rudder, Welded (LH)	2		
020	22-2727-12-00	. Pedal, Rudder, Welded (RH)	2		
		<i>***Parts for item 010 and 020</i>			
030	PAPZ0808P10	. . Bearing, Permaglide	8		
030A	EGBZ0808-E40	. . Bearing, Elgoglide	8		
		<i>***End of parts for item 010 and 020</i>			
040	22-2727-13-00	. Pedal, Brake, Welded, Short (LH) <i>***Replaced by P/N 22-2729-13-00***</i>	2		
	22-2729-13-00	. Pedal, Brake, Welded, Short (LH) <i>***Replaces P/N 22-2727-13-00***</i>	2		
050	22-2727-14-00	. Pedal, Brake, Welded, Short (RH) <i>***Replaced by P/N 22-2729-14-00***</i>	2		
	22-2729-14-00	. Pedal, Brake, Welded, Short (RH) <i>***Replaces P/N 22-2727-14-00***</i>	2		
		<i>***Parts for item 040 and 050</i>			
060	20-2722-21-01	. . Tread, Anti-skid, Brake (LH/RH)	4		
		<i>***End of parts for item 040 and 050</i>			
		<i>***Attaching Parts for item 040 and 050</i>			
070	20-2722-01-02	. . Washer	4		
080	20-2722-01-01	. . Washer	4		
090	MS171532	. . Pin, Spring	4		
100	MS24586-C207	. . Spring, Tension	4		
		<i>***End of Attaching Parts for item 040 and 050</i>			

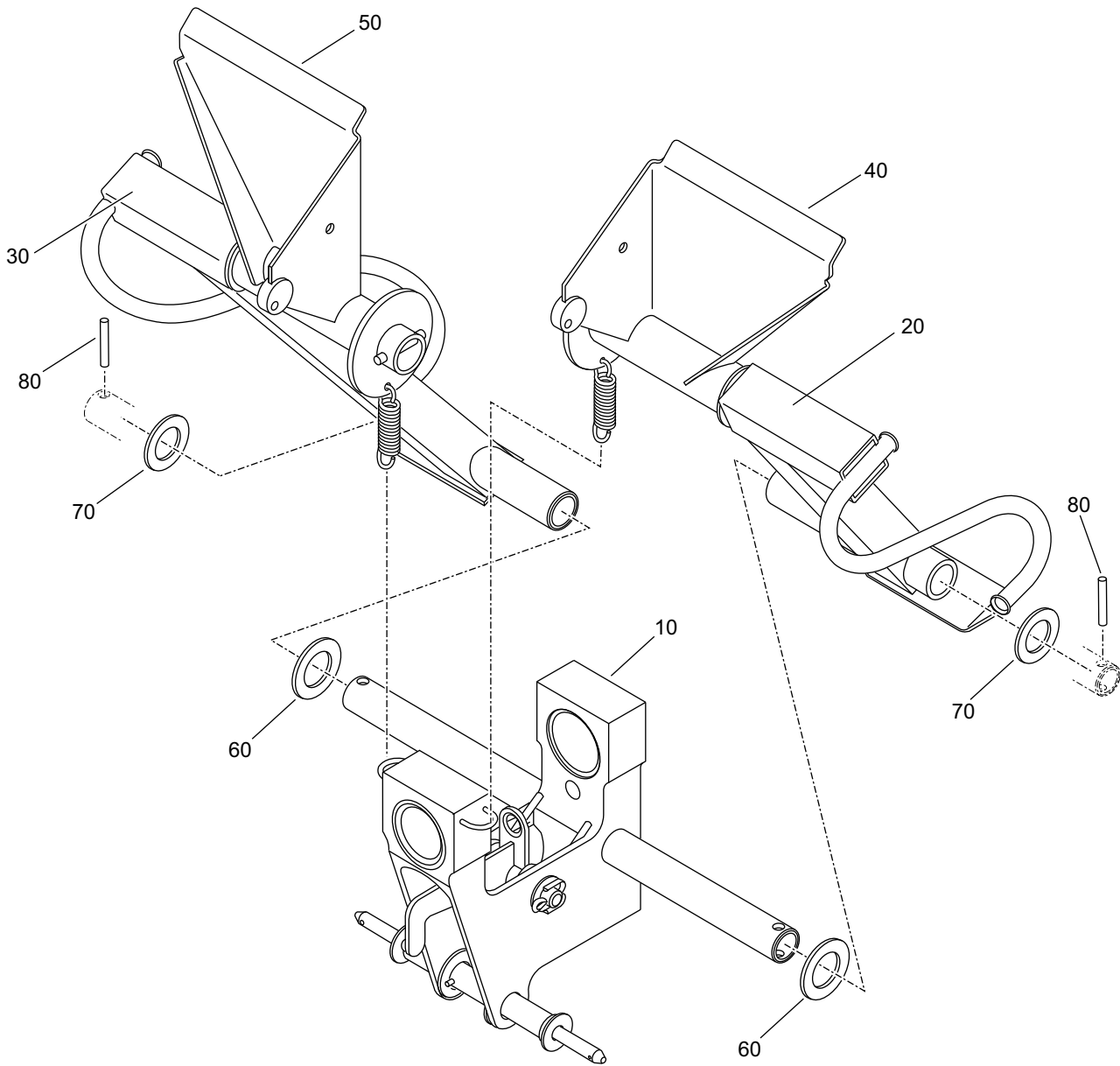


Figure 05 - Rudder Pedal Assembly Installation (LH/RH)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
05-1		Rudder Pedal Assembly Installation (LH/RH)	RF	D42L.ALL	
010	22-2729-60-00	. Assembly, Frame, Latch, Type IV	RF		
020	22-2727-11-00	. Pedal, Rudder, Welded, Short (LH)	RF		
030	22-2727-12-00	. Pedal, Rudder, Welded, Short (RH)	RF		
040	22-2729-13-00	. Pedal, Brake, Welded, Short (LH)	RF		
050	22-2729-14-00	. Pedal, Brake, Welded, Short (RH)	RF		
		<i>***Attaching Parts for item 020, 030, 040, and 050</i>			
060	NAS1515M8	. . Washer, Flat, Teflon	4		
070	AN960-C816	. . Washer, Plain	4		
080	MS171530	. . Pin, Spring	4		
		<i>***End of Attaching Parts for item 020, 030, 040, and 050</i>			

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CHAPTER 27-21

RUDDER TRIM TAB

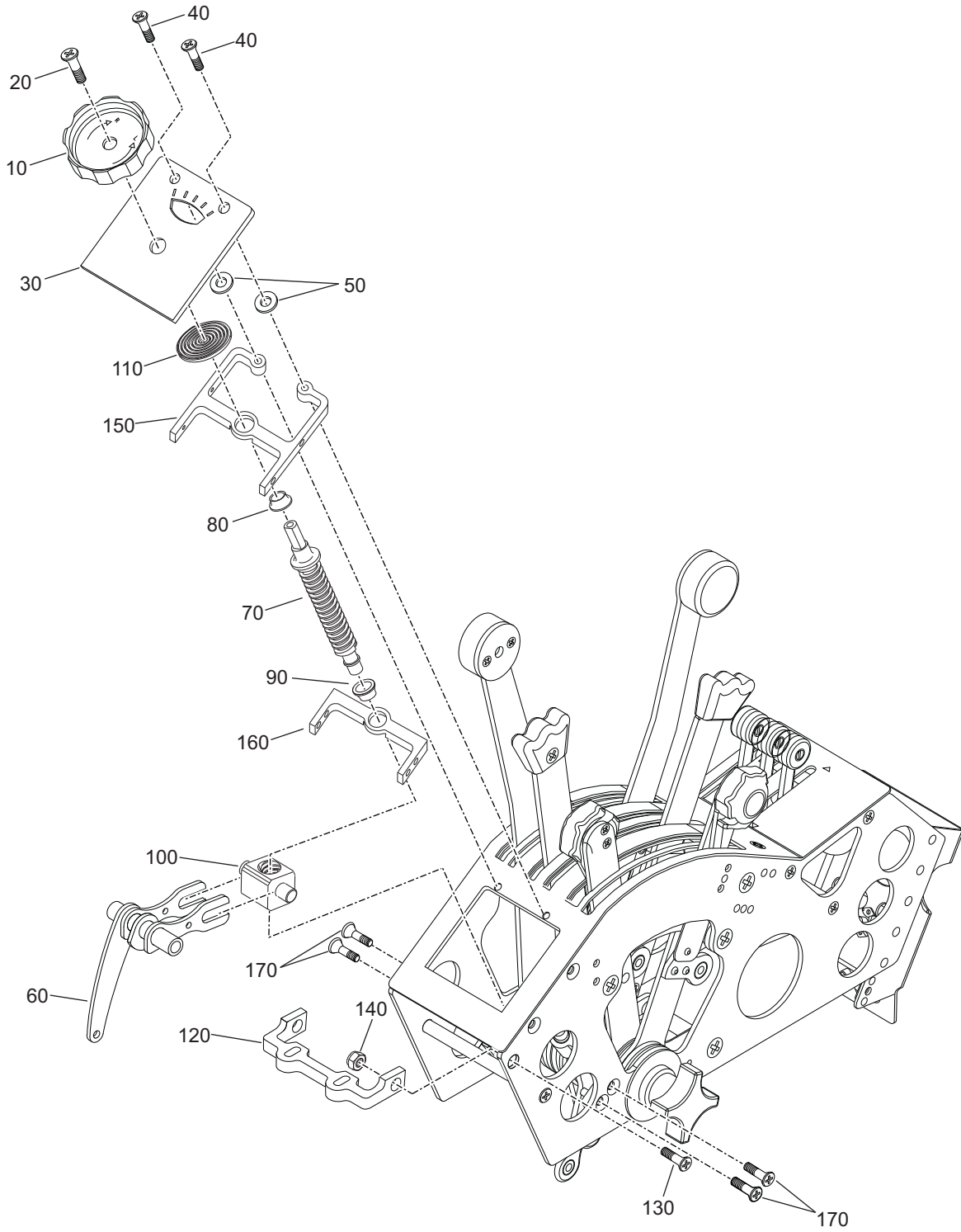


Figure 01 - Rudder Trim Controls

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Rudder Trim Controls	RF	D42L.ALL	
010	C61-7613-153-001	. Knob, Trim, Rudder <i>***Attaching Parts for item 010</i>	1		
020	MS24694-C48	. . Screw <i>***End of Attaching Parts for item 010</i>	1		
030	C61-7613-107-001	. Plate, Trim, Rudder <i>***Attaching Parts for item 030</i>	1		
040	MS24693C51	. . Screw	2		
050	DIN125A-M6-PA	. . Washer <i>***End of Attaching Parts for item 030</i>	2		
060	C64-7613-172-001	. Lever Assembly, Trim, Rudder	1		
070	C61-7613-149-001	. Jackshaft	1		
080	PAF10070P11	. Bushing	1		
090	PAF-0809P11	. Bushing	1		
100	D60-7613-10-51	. Spindle, Pivot	1		
110	D60-7613-10-50	. Disc, Operating	1		
120	C61-7613-151-001	. Block, Top, Trim, Rudder <i>***Attaching Parts for item 120</i>	1		
130	MS24694-C54	. . Screw	2		
140	MS21042	. . Nut <i>***End of Attaching Parts for item 120</i>	2		
150	C61-7613-152-001	. Connector, Trim Rudder	1		
160	C61-7613-150-001	. Block, Bottom, Trim, Rudder <i>***Attaching Parts for item 160</i>	1		
170	MS24694-C48	. . Screw <i>***End of Attaching Parts for item 160</i>	4		

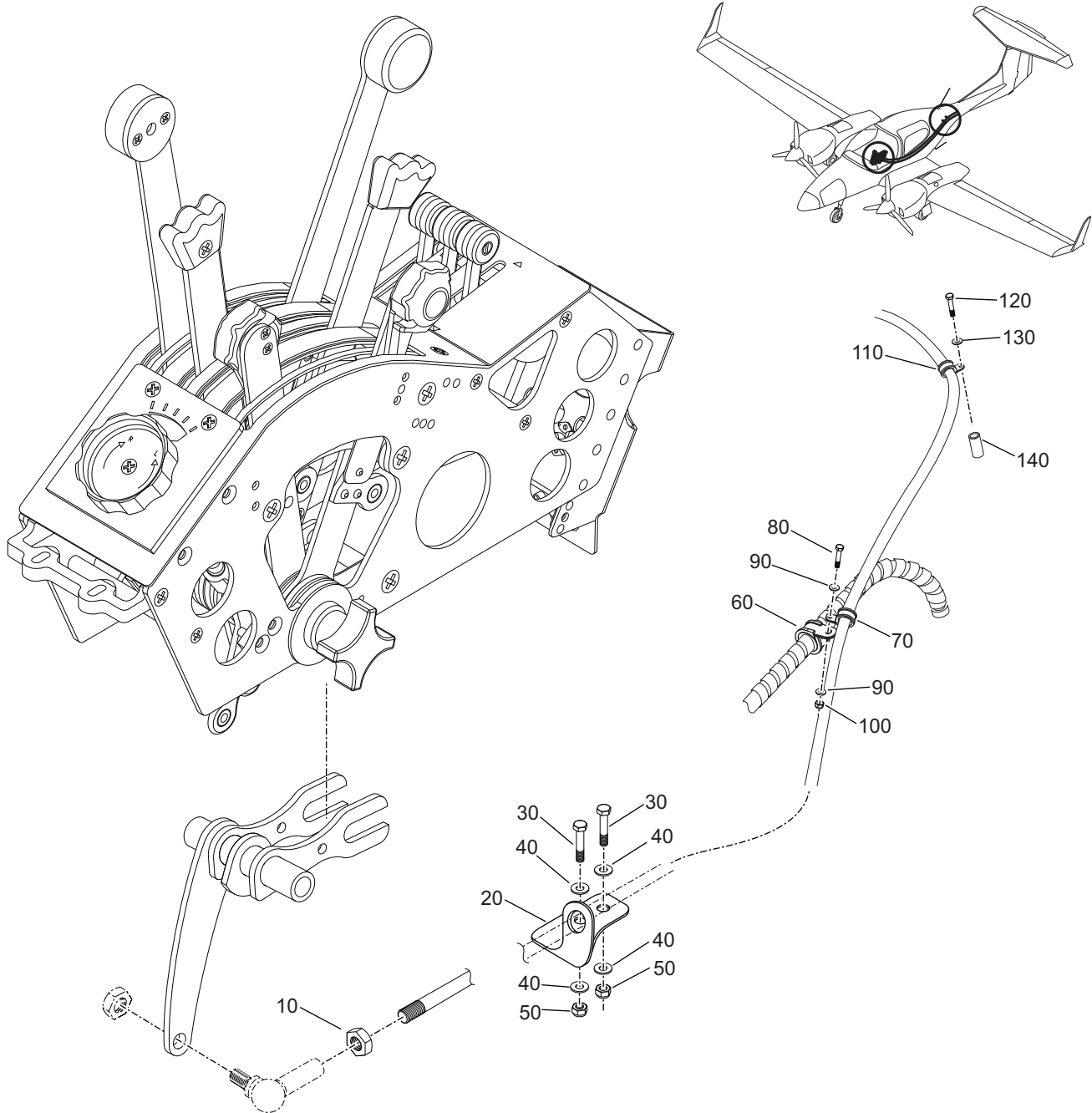


Figure 2 - Rudder Trim Cable Assembly

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Rudder Trim Cable Assembly	RF	D42L.ALL	
010	DIN439B-M5-A2	. Nut			
020	C61-7610-104-001	. Bracket, Bowden, Trim, Rudder	1		
		<i>***Attaching Parts for item 020</i>			
030	LN9037-M5-12	. . Screw	2		
040	DIN125-M5-A2	. . Washer	4		
050	DIN985-M-A2	. . Nut, Self-Locking	2		
		<i>***End of Attaching Parts for item 020</i>			
060	MS21919WDG16	. Clamp, P-Type	1		
070	MS21919WDG6	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 070</i>			
080	LN9037-M5x12	. . Bolt	1		
090	DIN125-M5xA2	. . Washer	2		
100	DIN985-M5-A2	. . Nut	1		
		<i>***End of Attaching Parts for item 070</i>			
110	MS21919WDG6	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 110</i>			
120	LN9037-M6x56	. . Bolt	1		
130	DIN125-M6-A2	. . Washer	1		
140	BU2-10-6.5-0330C	. . Bushing	1		
		<i>***End of Attaching Parts for item 1120</i>			

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CHAPTER 27-50
FLAPS

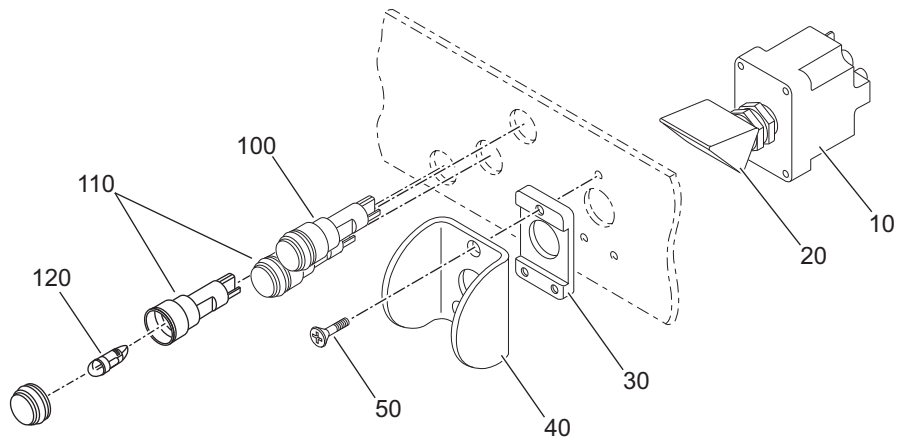
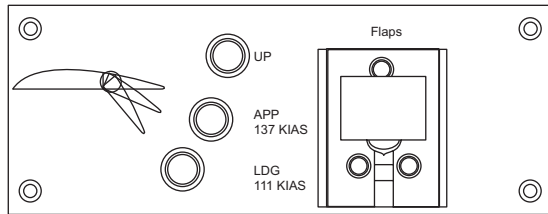
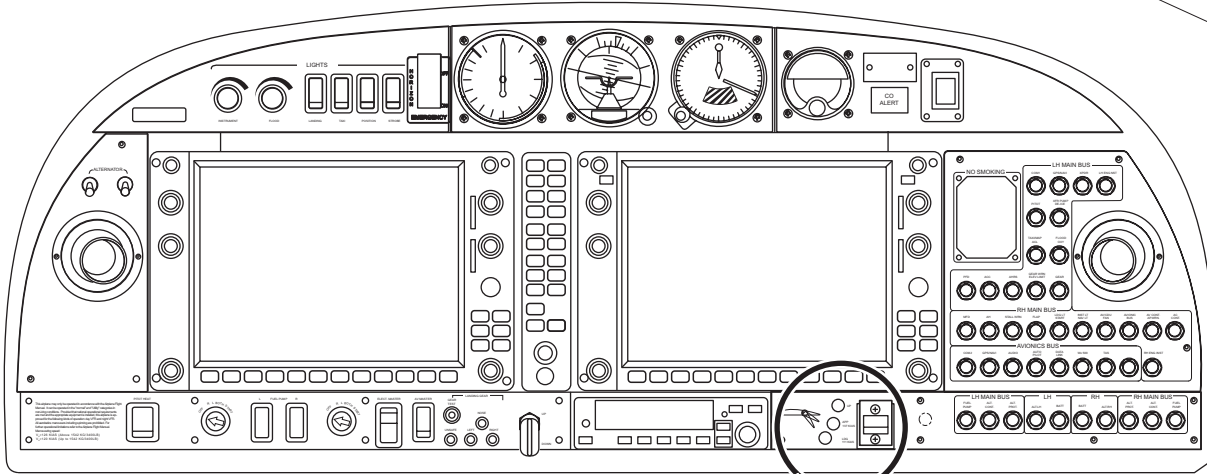
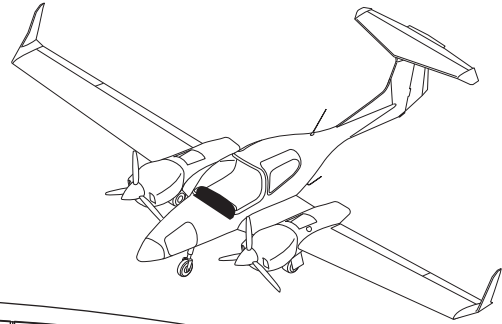


Figure 01 - Flap Selector Panel

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Flap Selector Panel	RF	D42L.ALL	
10	2TL124-10	. Flap Switch	1		
20	D60-3111-20-01	. Switch Guard	1		
		<i>***Attaching Parts for item 10</i>			
30	DA4-3144-20-50	. . Spacer	1		
40	D60-3111-20-01	. . Switch Guard	1		
50	MS24693BB6	. . Screw, Countersunk	3		
		<i>***End of Attaching Parts for item 10</i>			
100	1.02157.001-1503	. Bulb Holder, Green	1		
110	1.02157.001-1002	. Bulb Holder, Clear	2		
120	T4.6 24/20	. Bulb, 24V	3		
120A	461k 02 2801 WS	. LED, 28V <u>NOTE:</u> If this LED is installed, the same P/N LED must be installed in all three places on the Flap Selector Panel. Mixing of bulbs and LEDs is not permitted.	3		

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CHAPTER 28 FUEL SYSTEM

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CHAPTER 28-00

FUEL SYSTEM

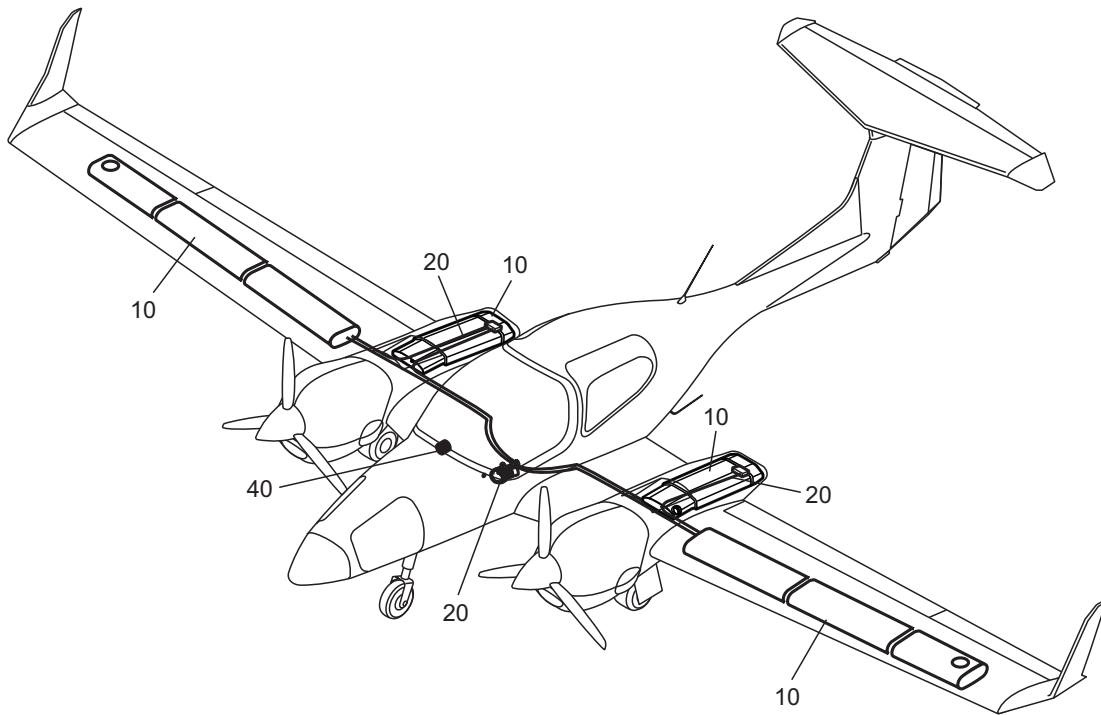


Figure 01 - Fuel System

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Installation, Fuel System	RF	D42L.ALL	
010		. Fuel Storage System	RF		
020		. Fuel Distribution	RF		
040		. Fuel Indicating	RF		

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CHAPTER 28-10

FUEL STORAGE SYSTEM

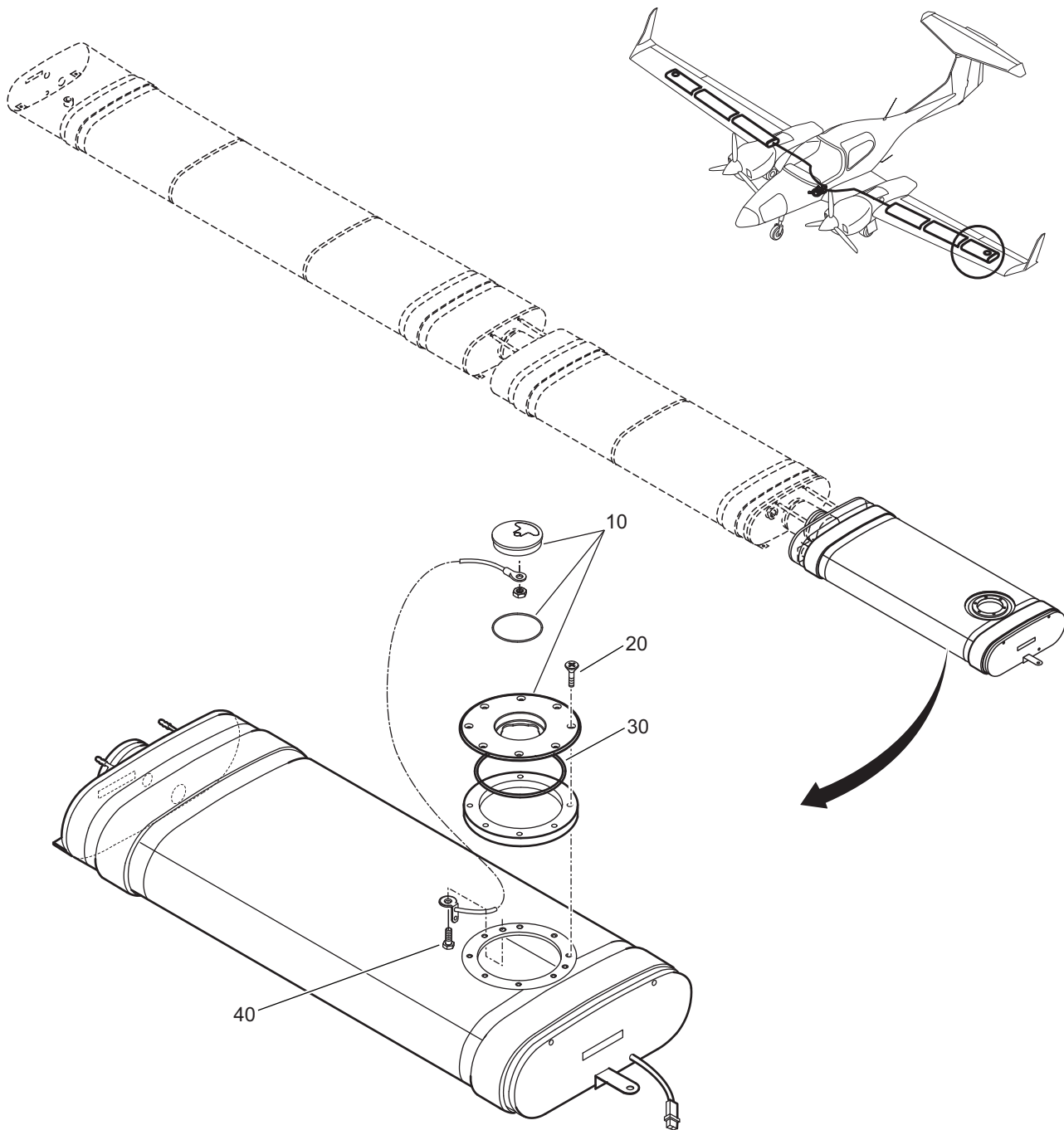


Figure 01 - Fuel Filler Cap Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Fuel Filler Cap Installation	RF	D42L.ALL	
010	A38L-117	. Assembly Cap, Fuel Filler	1		
020	DIN965-AM5X30-A2	. Screw, Countersunk	8		
030	DIN3771-127X5	. O-Ring, 127x5	1		
040	LN9037-M6X10	. Bolt, Hexagon Head	1		

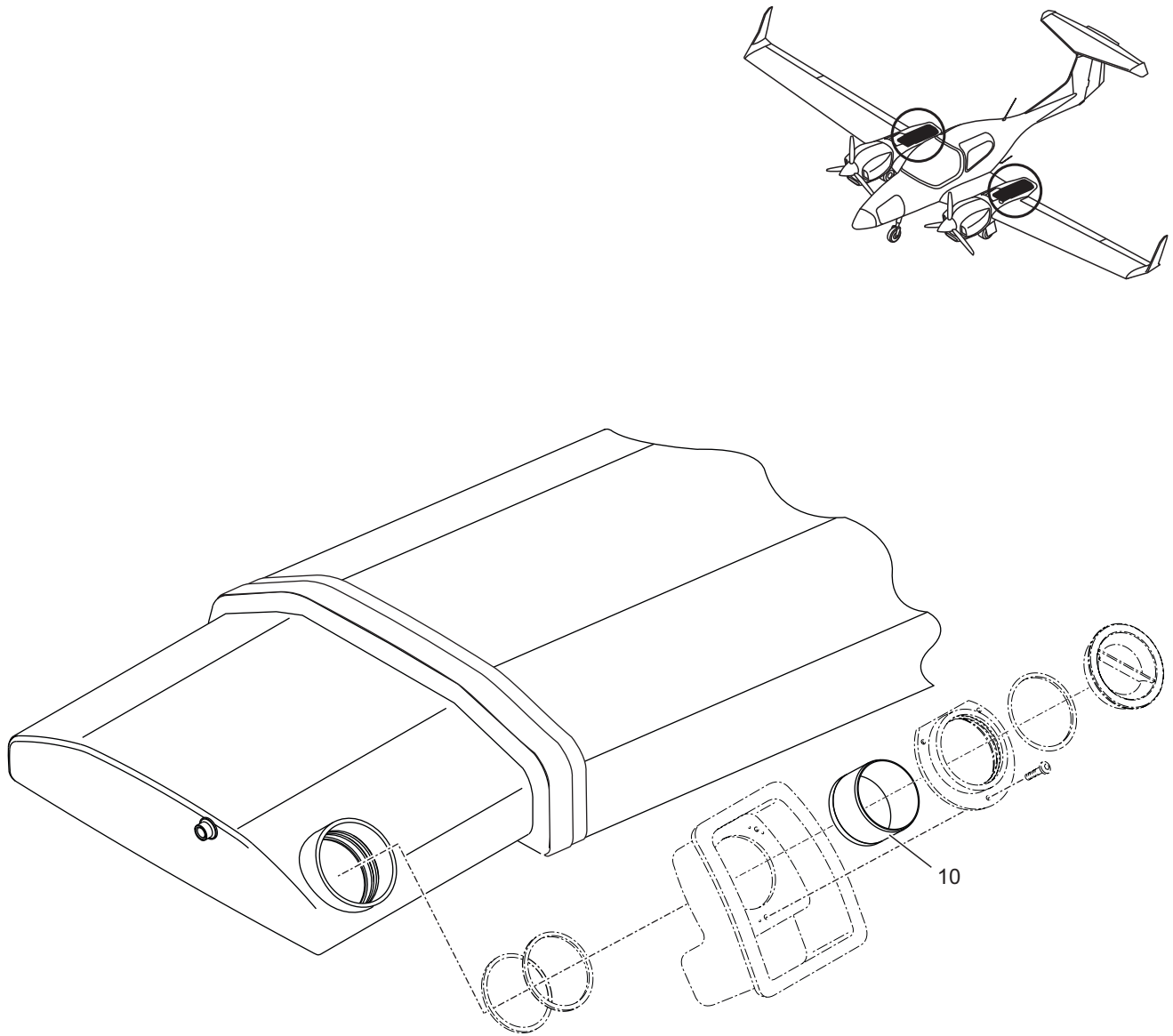


Figure 02 - Auxiliary Fuel Tank

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1 010	C61-2814-105-001	Auxiliary Fuel Tank . Pipe, Connecting	RF 1	D42L.ALL	

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CHAPTER 28-20

FUEL DISTRIBUTION

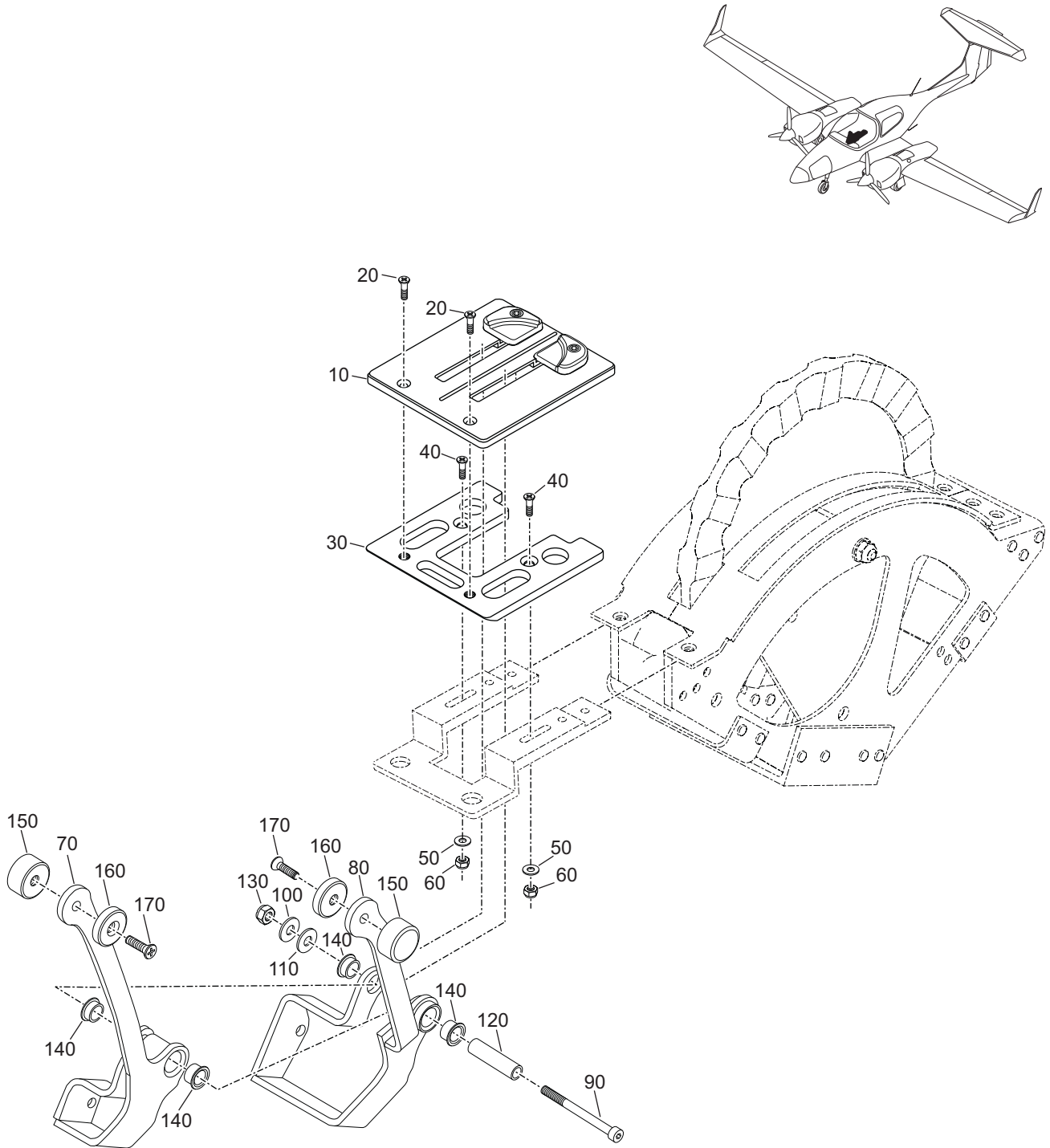


Figure 01 - Fuel Distribution

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Fuel Distribution Installation	RF	D42L.ALL	
010	D60-2827-10-50	. Cover, Sheet, Selector, Fuel <i>***Attaching Parts for item 010</i>	1		
020	MS24694-C3	. . Screw <i>***End of Attaching Parts for item 010</i>	2		
030	C61-7613-168-001	. Spacer, Cover, Selector, Fuel <i>***Attaching Parts for item 030</i>	1		
040	MS24693C52	. . Screw	2		
050	AN960-8	. . Washer	2		
060	MS21042-08	. . Nut <i>***End of Attaching Parts for item 030</i>	2		
070	C61-2827-103-001	. Assembly, Lever, Fuel Selector, LH	1		
080	C61-2827-104-001	. Assembly, Lever, Fuel Selector, RH <i>***Attaching Parts for item 070 and 080</i>	1		
090	DIN912-M5x55-A2	. . Screw, Head, Socket	1		
100	DIN9021B-5, 3-A2	. . Washer	1		
110	DIN9021B-5, 3-PA	. . Washer	1		
120	BSBU1-08-05-0435C	. . Spacer	1		
130	DIN985-M5-A2	. . Nut, Hex <i>***End of Attaching Parts for item 070 and 080</i>	1		
140	PAF08055P11	. Bushing, Collar	6		
150	D60-7613-10-35	. Handle with Thread, Long	2		
160	D60-7613-10-33	. Handle <i>***Attaching Parts for item 160</i>	2		
170	DIN965A-M4x12-A2	. Screw, Head, Flat <i>***End of Attaching Parts for item 160</i>	2		

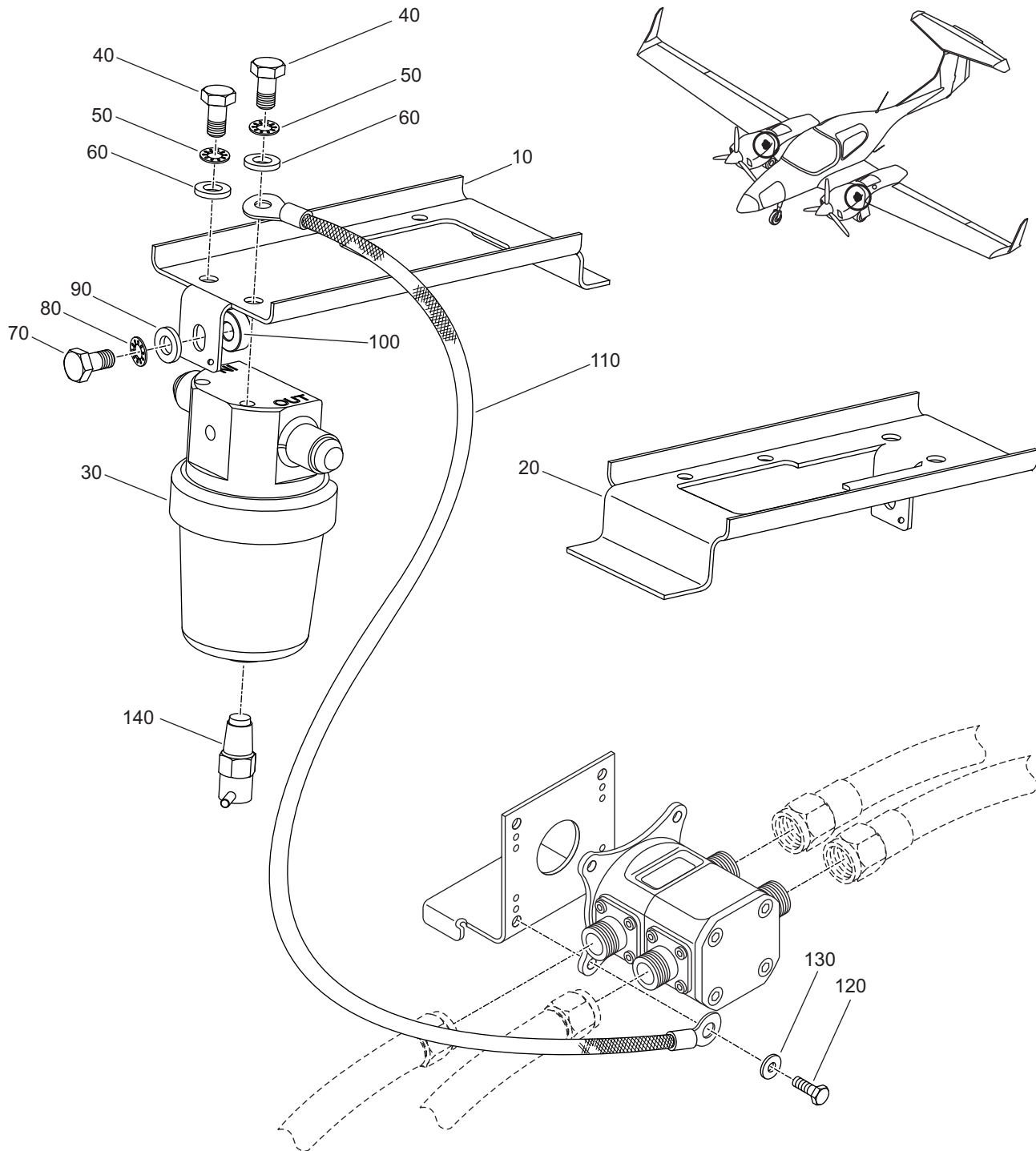


Figure 02 - Fuel Distribution - Gascolator

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Fuel Distribution, Gascolator	RF	D42L.ALL	
010	C61-2824-107-002	. Plate, Holding, RH Fuel Filter	1		
020	C61-2824-105-001	. Plate, Holding, LH Fuel Filter	1		
030	GAS375-MDA	. Gascolator	1		
		<i>***Attaching Parts for item 030</i>			
040	AN4-3A	. . Bolt, Hex	2		
050	MS35333-40	. . Washer, Lock	2		
060	AN960-416L	. . Washer	2		
070	LN9037-M6x16	. . Bolt, Small Hexagon	1		
080	DIN6797J-M6-ZP	. . Washer, Internal Lock Tooth	1		
090	DIN125-M6-A2	. . Washer, Stainless	1		
100	BU2-14-06-0050-C	. . Bushing	1		
		<i>***End of Attaching Parts for item 030</i>			
110	C61-2824-111-001	. Strap, Bonding, Pump Filter	1		
		<i>***Attaching Parts for item 110</i>			
120	LN9037-M5x16	. . Bolt	1		
130	DIN125A-M5-ZP	. . Washer	1		
		<i>***End of Attaching Parts for item 110</i>			
140	CCA-1550	. Drain Valve	1		

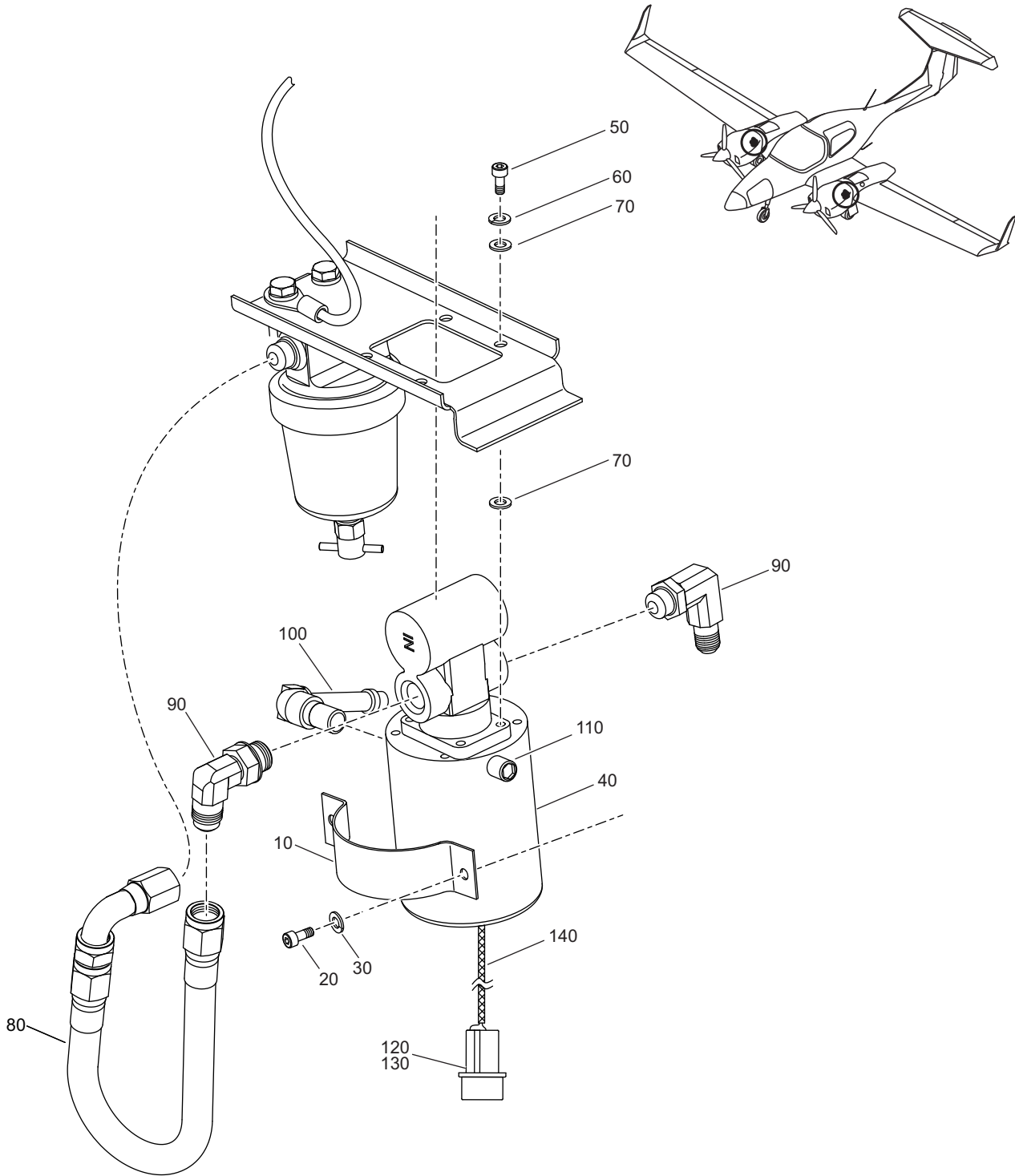


Figure 03 - Fuel Distribution - Fuel Pump

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
03-1		Fuel Distribution, Fuel Pump	RF	D42L.ALL	
010	C61-2824-103-001	. Clamp, Pump <i>***Attaching Parts for item 010</i>	1		
020	DIN933-M6x25-8.8-YZP	. . Bolt, Hexagon Head	2		
030	DIN125-6.2-A	. . Washer <i>***End of Attaching Parts for item 010</i>	2		
040	5100-00-9	. Pump, Fuel, Electric, Dukes <i>***Attaching Parts for item 040</i>	1		
050	MS27039C1-08	. . Screw	4		
060	MS35338-43	. . Washer, Lock	4		
070	AN960-10	. . Washer <i>***End of Attaching Parts for item 040</i>	8		
080	AE7010200G0087	. Fuel Line	1		
090	6C50MXS	. Fitting, 90° with O-Ring	2		
090A	A2203-06	. Fitting, 90° with O-Ring	2		
100	2140-54	. Fitting, 90°	1		
110	2140-72	. Plug	1		
120	60620-1	. Pin	1		
130	1480319-0	. Connector, 2 Pin	1		
140	920-1-4BKWH	. Sleeving, 0.25 in	200 MM		

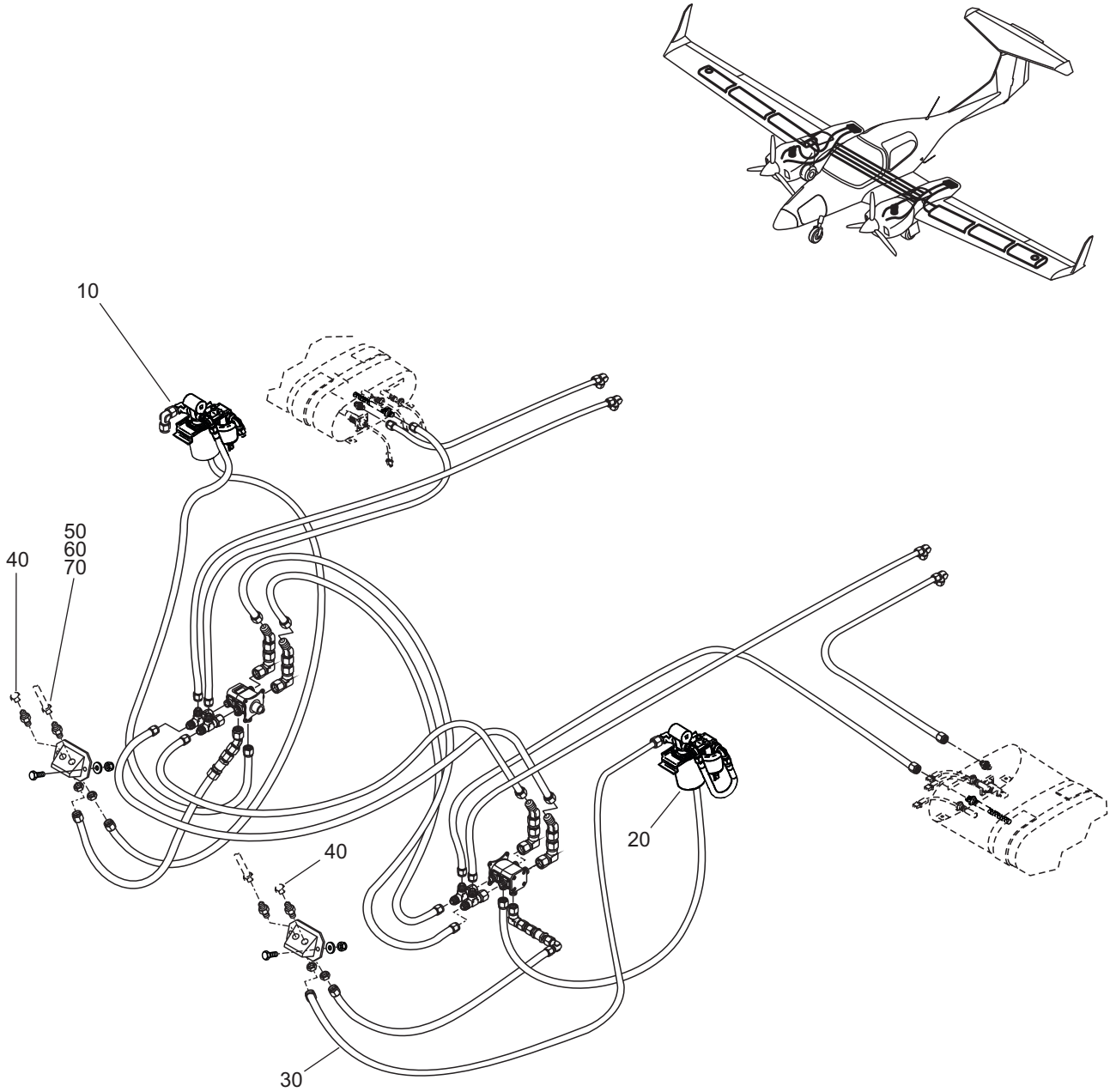


Figure 04 - Fuel Distribution - Fuel Line

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
04-1		Fuel Distribution, Fuel Lines	RF	D42L.ALL	
010	C61-2824-106-002	. Assembly, Filter, Pump, RH	1		
020	C61-2824-104-001	. Assembly, Filter, Pump, LH	1		
030	AE3660060G0110	. Hose, Fuel (For each side)	1		
040	AN929-6J	. Cap, Flared (For each side)	4		
050	AN837-6	. Fitting, 45° Bulkhead (RH side only)	1		
060	NAS1149C0963R	. Washer, Stainless (RH side only)	1		
070	AN6289-6	. Nut (RH side only)	1		

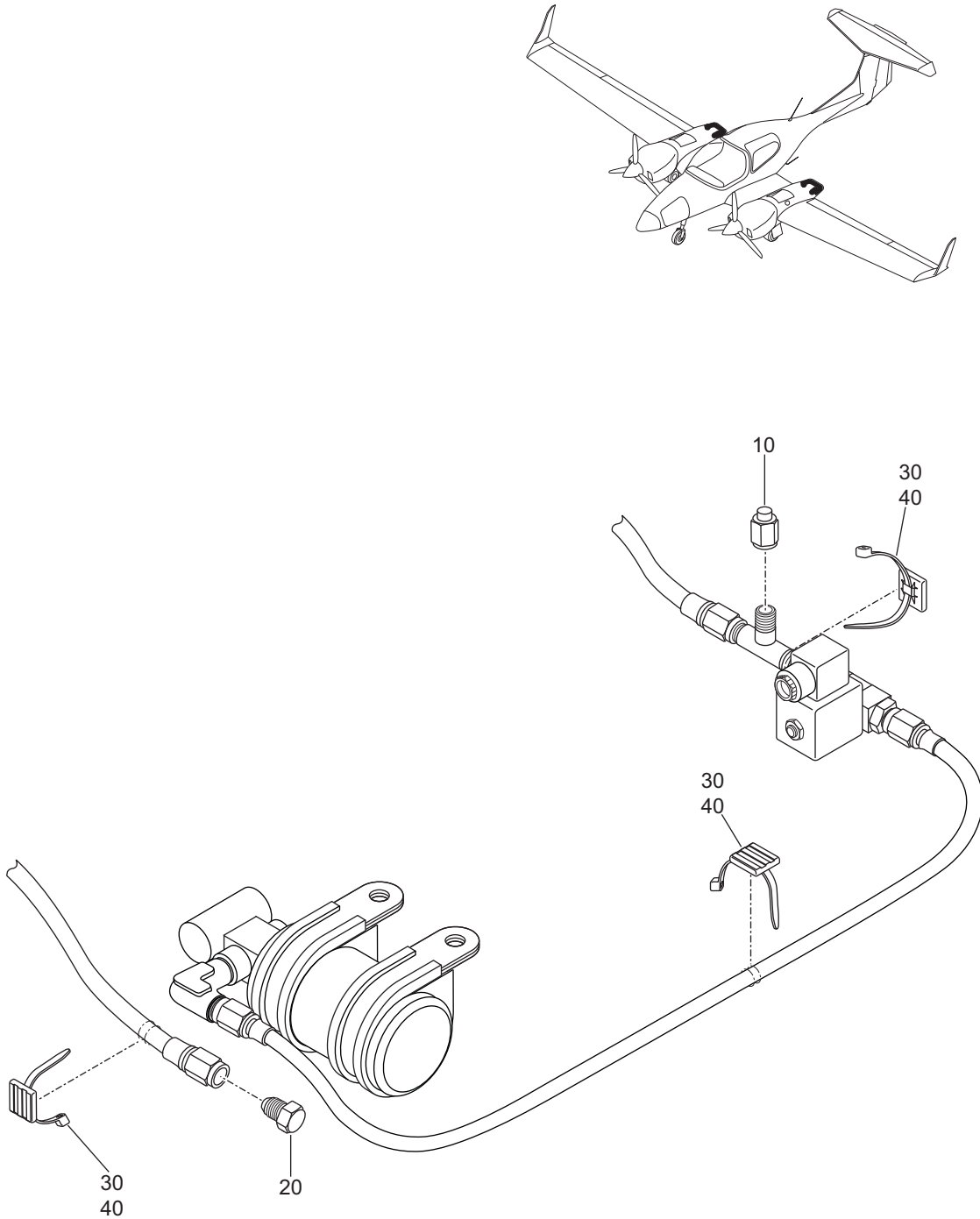


Figure 05 - Fuel Distribution - Auxiliary Tank

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
05-1		Fuel Distribution, Auxiliary Tanks	RF	D42L.ALL	
010	AN929-6J	. Cap, Flared	4		
020	AN806-6J	. Plug, Flared	1		
030	EMS-A-C0	. Tywrap, Base	1		
040	170050	. Tywrap	2		

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CHAPTER 30

ICE AND RAIN PROTECTION

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CHAPTER 30-80

DETECTION

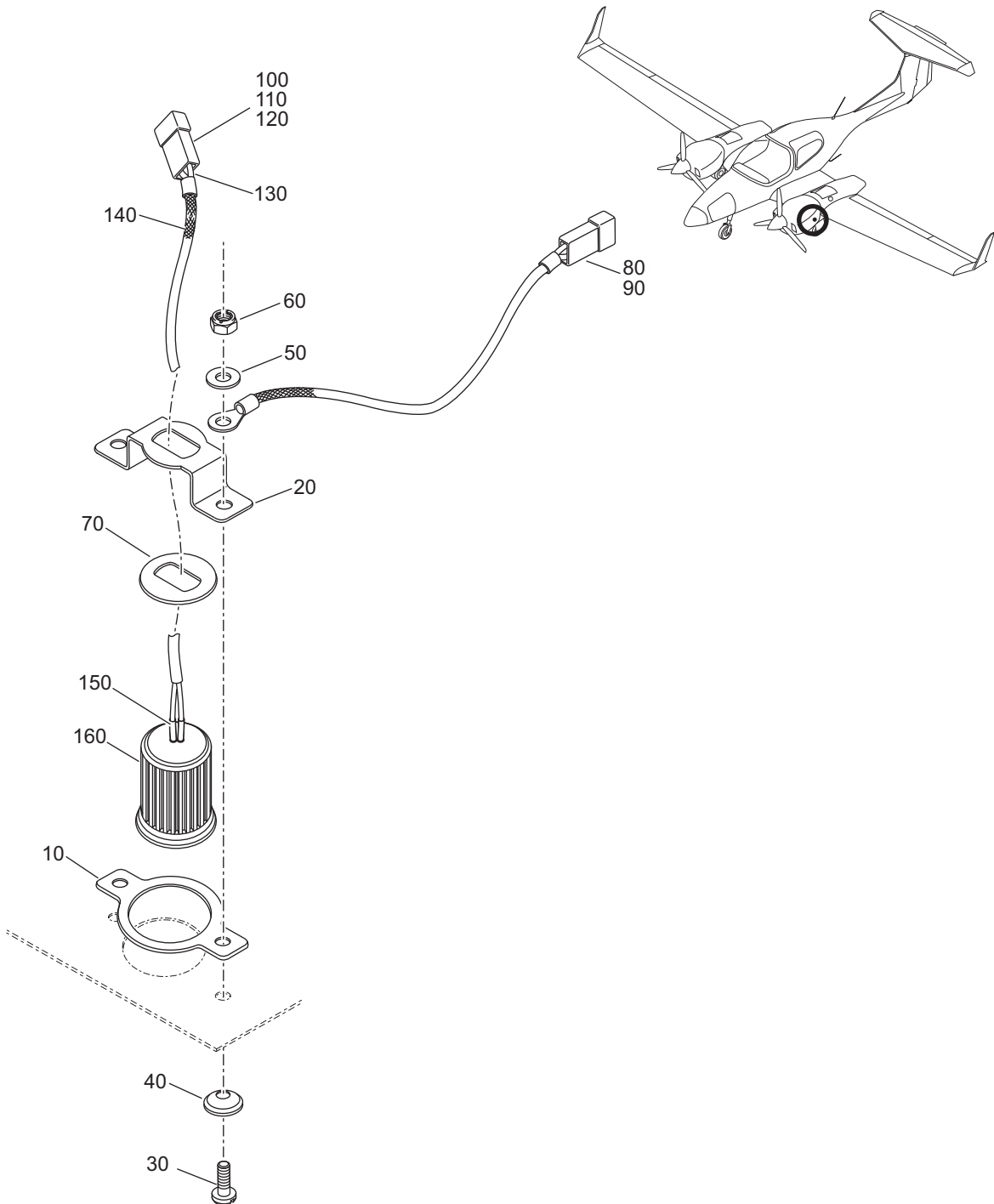


Figure 01 - Ice Detection Light

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Ice Detection Light (LH and RH)	RF	D42L.ALL	
010	C61-3080-103-001	. Bracket, Light, Ice, #2	1		
020	C61-3080-102-001	. Bracket, Light, Ice, #1	1		
		<i>***Attaching Parts for item 010 and 020</i>			
030	MS24693C50	. . Screw	4		
040	AN3135-8	. . Washer, Countersunk	4		
050	AN960-8	. . Washer, Flat	4		
060	MS21042-08	. . Nut, Locking	4		
		<i>***End of Attaching Parts for item 010 and 020</i>			
070	C61-3080-104-001	. Gasket, Light	2		
080	C61-3310-103-001	. Wire, Bonding	2		
100	M22759-34-22-9	. Wire, 22 AWG	2		
110	1-480319-0	. Connector, 2 Pin	2		
120	60618-1	. Pins, 24-18 AWG	4		
130	PS-250-2WT-2	. Label, Heat, Shrinkable	2		
140	920-1-4BKWH	. Sleeve, 0.25 In.	AR		
150	RNF-100-3-32BLK	. Heat Shrink	AR		
160	570577-55	. Light, Ice, LED	2		

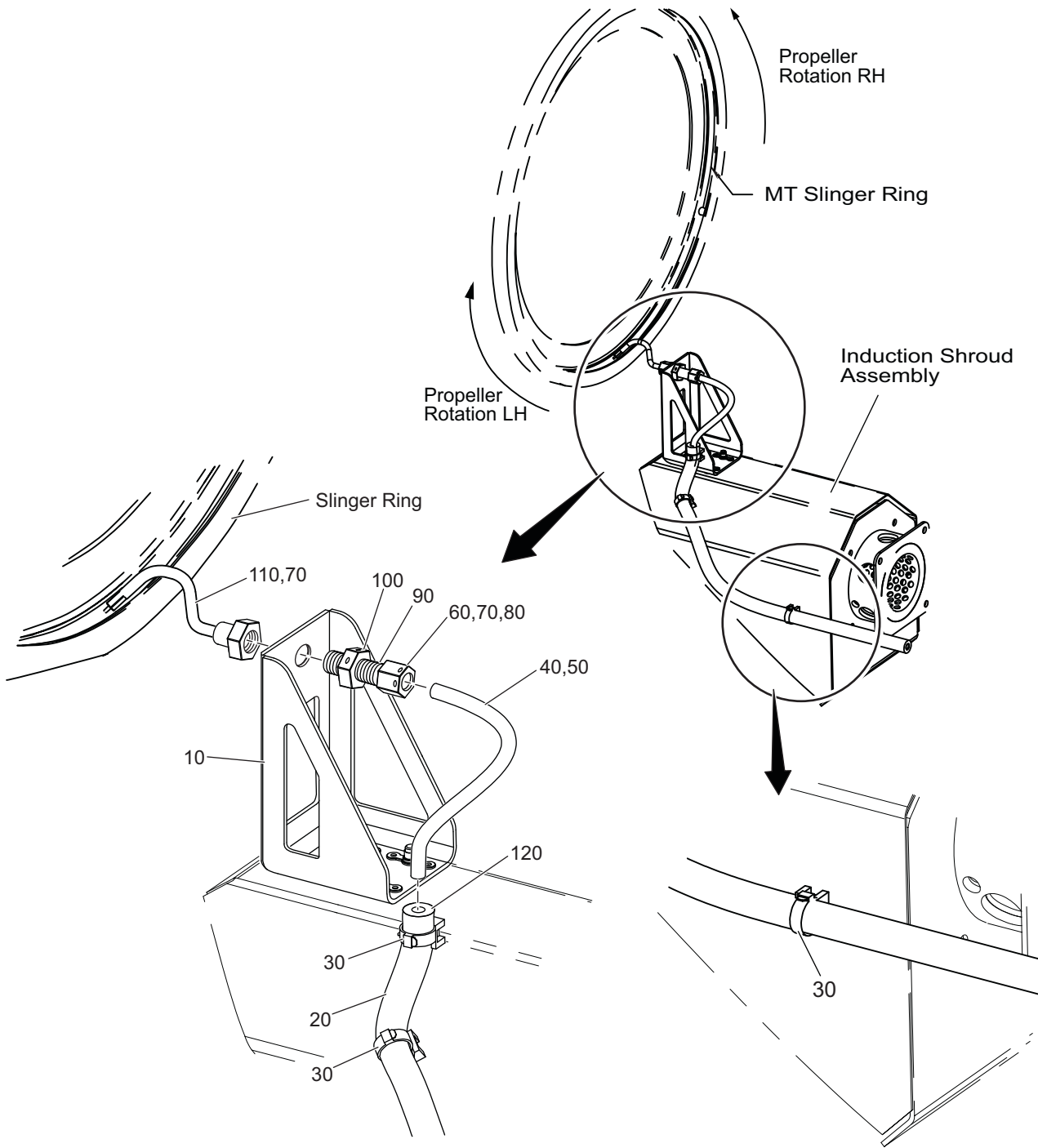


Figure 02 -TKS Propeller Nozzle Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
010	C61-3080-105-001	. TKS Propeller Nozzle Bracket Assembly	2		
020	2650-5	. Fire Sleeve	2		
030	PLT-2-SM-76	. Tywrap, Black	6		
040	1154	. Nylon Tube, 3/16 inch	2		
050	2N	. Spiral Wrap	2		
060	D60-9030-00-03	. Nut, Stainless Steel	4		
070	D60-9030-00-01	. Sealing Ring, 3/16 inch	6		
080	D60-9030-00-02	. Olive, 3/16 inch	4		
090	D60-9030-00-28	. Connector, Bulkhead	2		
100	D60-9030-00-29	. Backnut, Bulkhead Fitting	2		
110	D60-9030-66-01	. Nozzle	2		
120	736	. RTV, High Temp Sealant	A/R		

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CHAPTER 31

INDICATING/RECORDING SYSTEMS

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CHAPTER 31-10 INSTRUMENT AND CONTROL PANELS

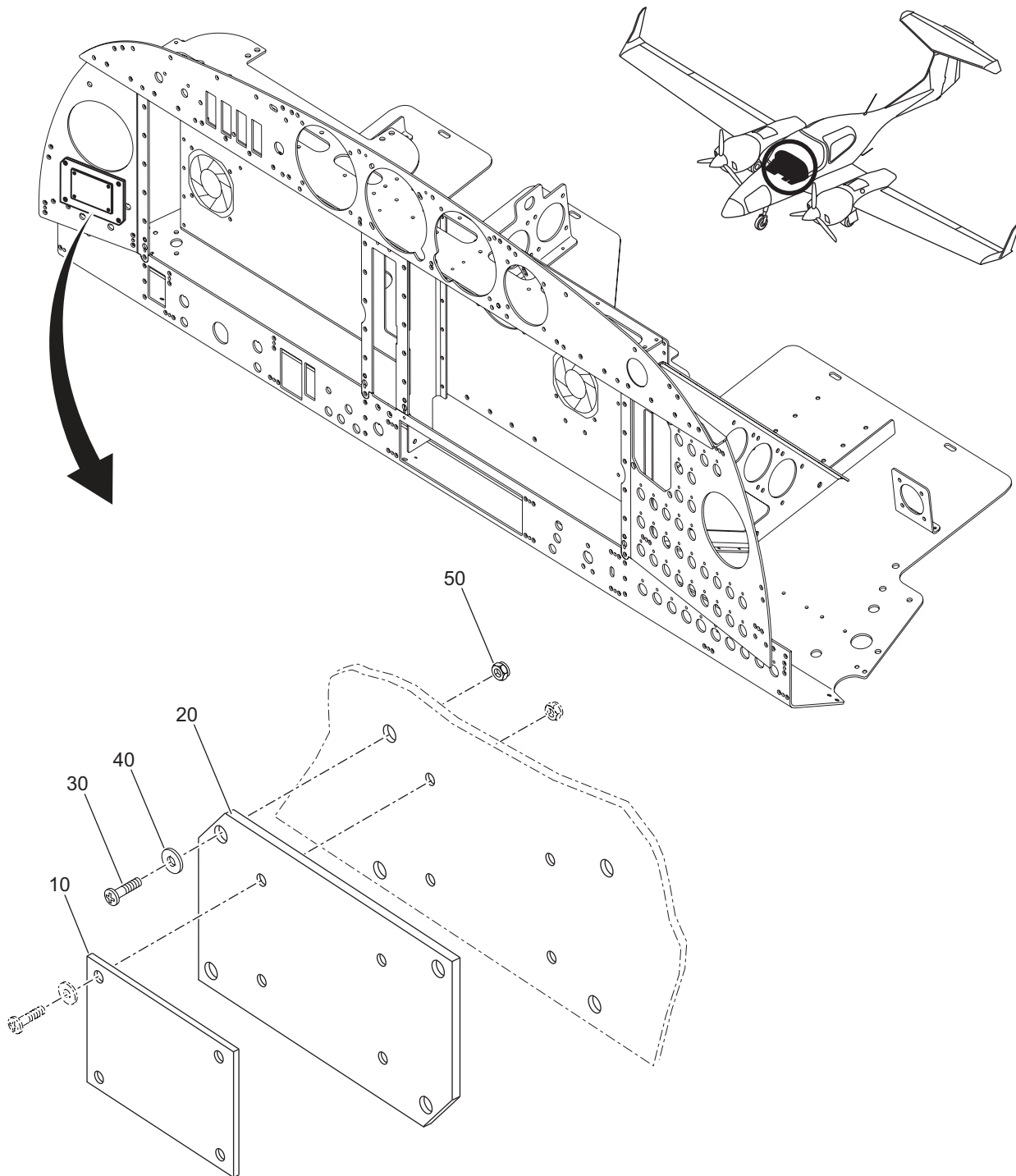


Figure 01 - Instrument Panel Electrical Components (Sheet 1 of 2)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Instrument Panel Electrical Components	RF	D42L.ALL	
010	C61-1131-113-001	. Placard, Blank Plate	1		
020	C61-3111-110-001	. Plate, Blank, Air-Conditioning	1		
		<i>***Attaching Parts for item 020</i>			
030	MS24693-BB6	. . Screw, Flat Head	4		
040	AN960C4	. . Washer, Flat	4		
050	MS21083B04	. . Locknut	4		
		<i>***End of Attaching Parts for item 020</i>			
060	1432875-1	. Relay, 24V	6		
		<i>***Attaching Parts for item 060</i>			
070	AN3-4A	. . Bolt	6		
080	AN960-10	. . Washer, Flat	6		
090	MS21044N3	. . Locknut	6		
		<i>***End of Attaching Parts for item 060</i>			
100	C61-3310-101-001	. Assembly, Dimmer	1		
		<i>***Attaching Parts for item 100</i>			
110	MS35206-233	. . Screw	2		
120	AN960D6L	. . Washer, Flat	2		
130	MS20365-632	. . Locknut	2		
		<i>***End of Attaching Parts for item 100</i>			
140	LM138K-MIL	. Regulator, Voltage	1		
		<i>***Attaching Parts for item 140</i>			
150	MS35206-230	. . Screw	2		
160	AN960D6L	. . Washer	2		
170	MS20365-632	. . Locknut	2		
		<i>***End of Attaching Parts for item 140</i>			
180	DA4-2401-30-01	. Plate, Mounting, Top	1		
190	DA4-2401-30-02	. Plate, Mounting, Bottom	1		

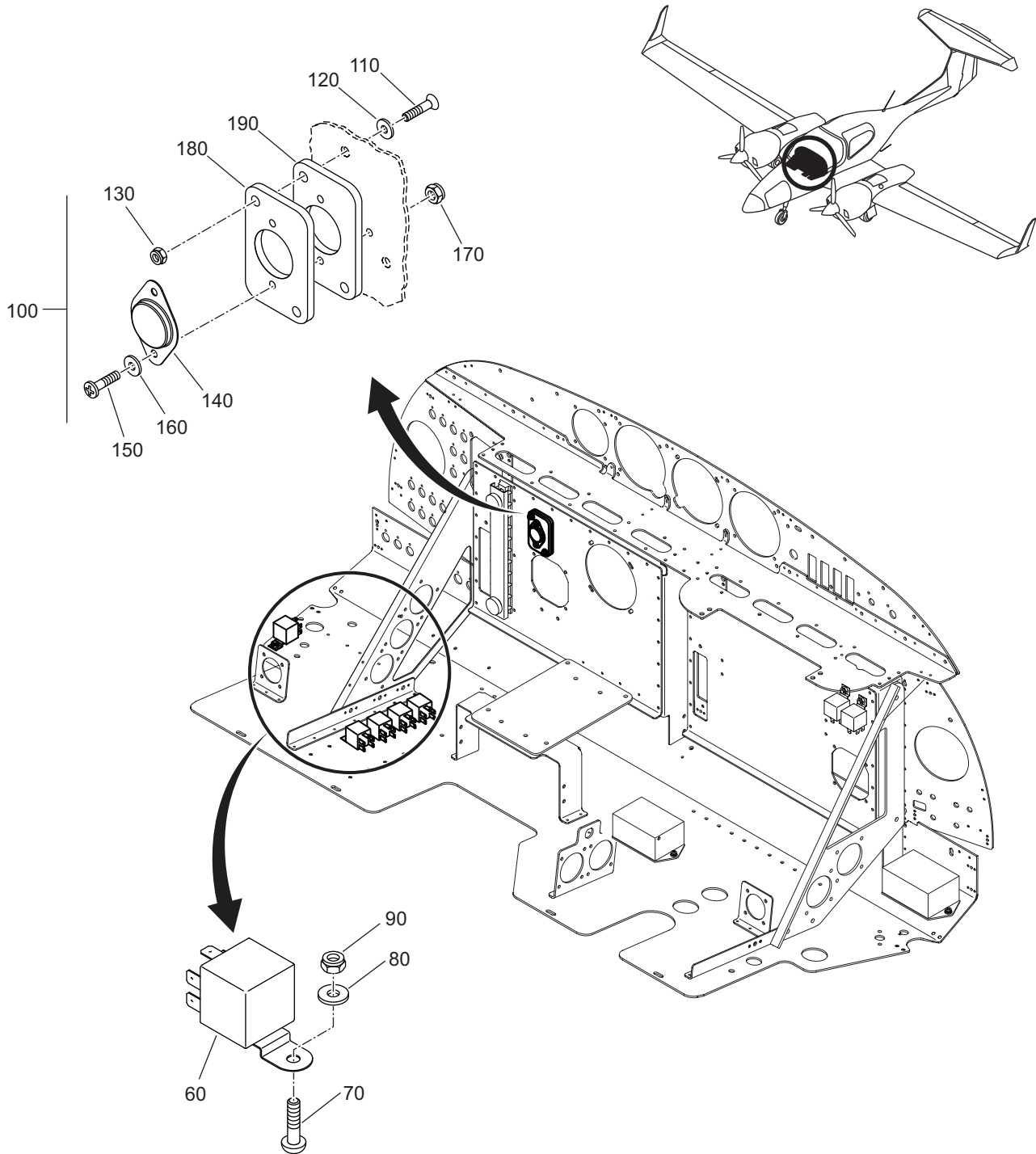


Figure 01 - Instrument Panel Electrical Components (Sheet 2 of 2)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Instrument Panel Electrical Components	RF	D42L.ALL	
010	C61-1131-113-001	. Placard, Blank Plate	1		
020	C61-3111-110-001	. Plate, Blank, Air-Conditioning	1		
		***Attaching Parts for item 020			
030	MS24693-BB6	. . Screw, Flat Head	4		
040	AN960C4	. . Washer, Flat	4		
050	MS21083B04	. . Locknut	4		
		***End of Attaching Parts for item 020			
060	1432875-1	. Relay, 24V	6		
		***Attaching Parts for item 060			
070	AN3-4A	. . Bolt	6		
080	AN960-10	. . Washer, Flat	6		
090	MS21044N3	. . Locknut	6		
		***End of Attaching Parts for item 060			
100	C61-3310-101-001	. Assembly, Dimmer	1		
		***Attaching Parts for item 100			
110	MS35206-233	. . Screw	2		
120	AN960D6L	. . Washer, Flat	2		
130	MS20365-632	. . Locknut	2		
		***End of Attaching Parts for item 100			
140	LM138K-MIL	. Regulator, Voltage	1		
		***Attaching Parts for item 140			
150	MS35206-230	. . Screw	2		
160	AN960D6L	. . Washer	2		
170	MS20365-632	. . Locknut	2		
		***End of Attaching Parts for item 140			
180	DA4-2401-30-01	. Plate, Mounting, Top	1		
190	DA4-2401-30-02	. Plate, Mounting, Bottom	1		

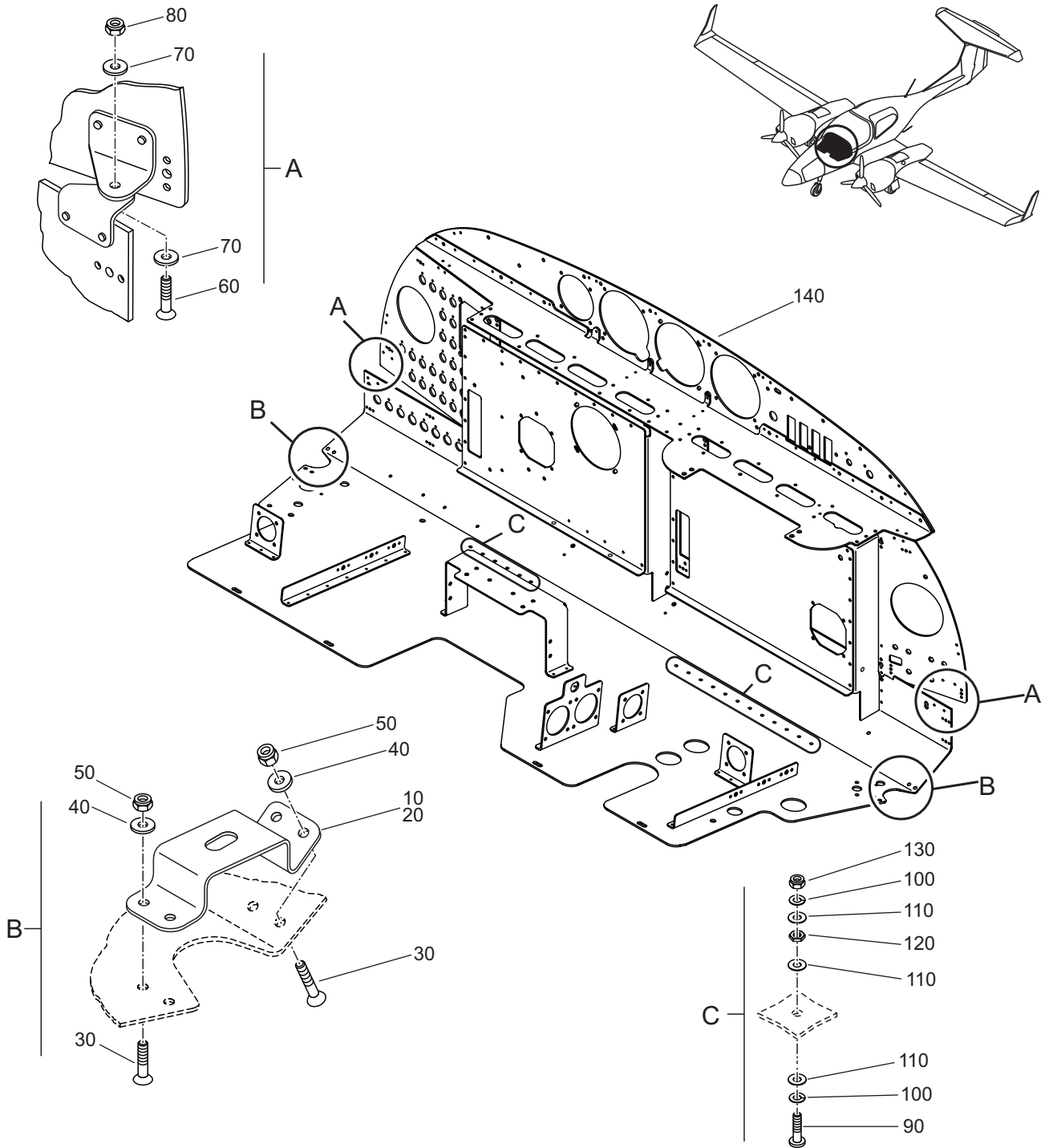


Figure 02 - Instrument Panel Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
02-1		Instrument Panel Installation	RF	D42L.ALL	
010	C61-3111-131-001	. Bracket, Shockmount, LH	1		
020	C61-3111-131-002	. Bracket, Shockmount, RH	1		
		<i>***Attaching Parts for item 010 and 020</i>			
030	MS24693C27	. . Screw	4		
040	AN960D6L	. . Washer, Flat	4		
050	MS21083N06	. . Locknut	4		
		<i>***End of Attaching Parts for item 010 and 020</i>			
060	MS35206-230	. Screw	2		
070	AN960D6L	. Washer, Flat	4		
080	MS20365-632	. Locknut	2		
090	MS35206-233	. Screw	18		
100	MS35338-41	. Washer, Lock Spring	36		
110	AN960D6L	. Washer, Flat	54		
120	AN340-6	. Nut, Jam	18		
130	MS20365-632	. Locknut	18		
140	C61-3111-103-001	. Panel, Instrument, Riveted	1		

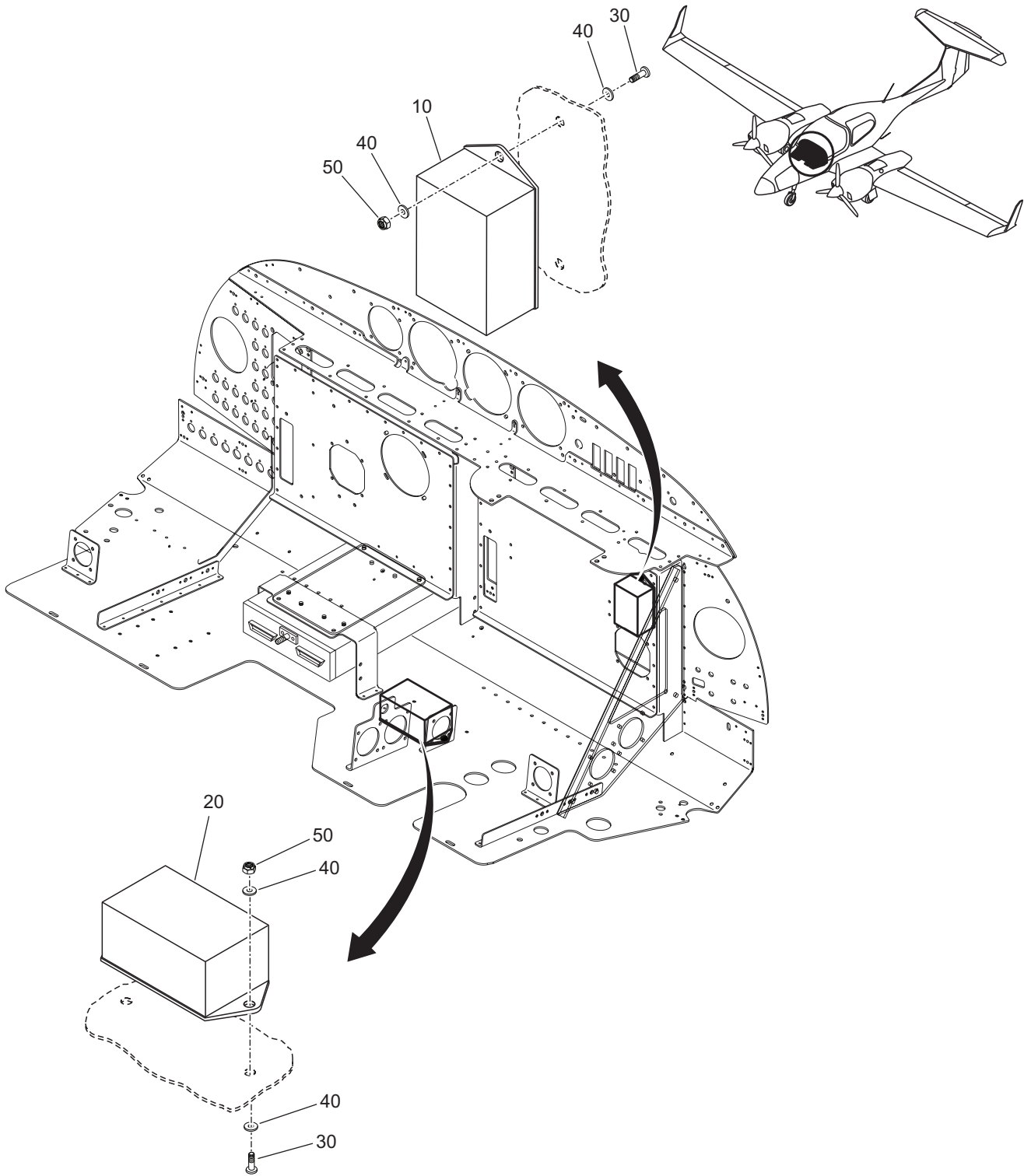


Figure 03 - Placard/Flood Inverter Assembly

Fig Item	Part Number	Nomenclature	Units Per	From	To
			Assy	S/N	S/N
03-1		Placard/Flood Inverter Assembly	RF	D42L.ALL	
010	APVL328-4-1-L-15QF	. Inverter, Placard	1		
020	APVL328-4-1-L-5QF	. Inverter, Flood	1		
		<i>***Attaching Parts for item 020</i>			
030	MS35206-230	. . Screw	4		
040	AN960D6L	. . Washer	8		
050	MS20365-632	. . Nut	4		
		<i>***End of Attaching Parts for item 020</i>			

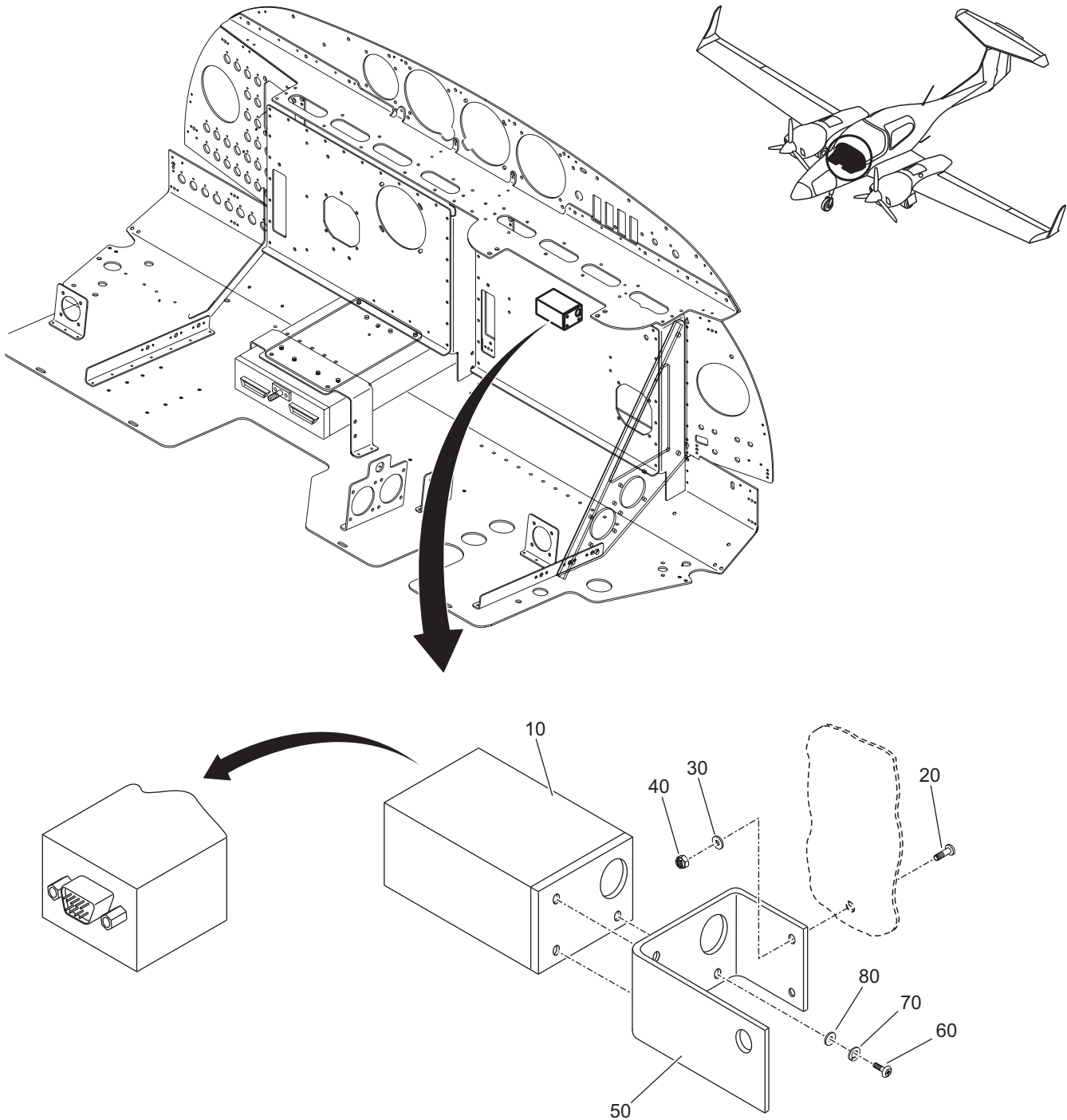


Figure 04 - CO Detector Assembly

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
04-1		CO Detector Assembly	RF	D42L.ALL	
010	452-201-010	. CO Detector <i>***Attaching Parts for item 010</i>	1		
020	MS35206-230	. . Screw	2		
030	AN960D6L	. . Washer, Flat	2		
040	MS20365-632	. . Locknut <i>***End of Attaching Parts for item 010</i>	2		
050	C61-31111-113-001	. Bracket, Mounting <i>***Attaching Parts for item 050</i>	1		
060	MS51957-43	. . Screw	3		
070	AN960D8L	. . Washer, Flat	3		
080	MS35338-137	. . Washer, Lock <i>***End of Attaching Parts for item 050</i>	3		

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CHAPTER 32 LANDING GEAR

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CHAPTER 32-40 WHEELS AND BRAKES

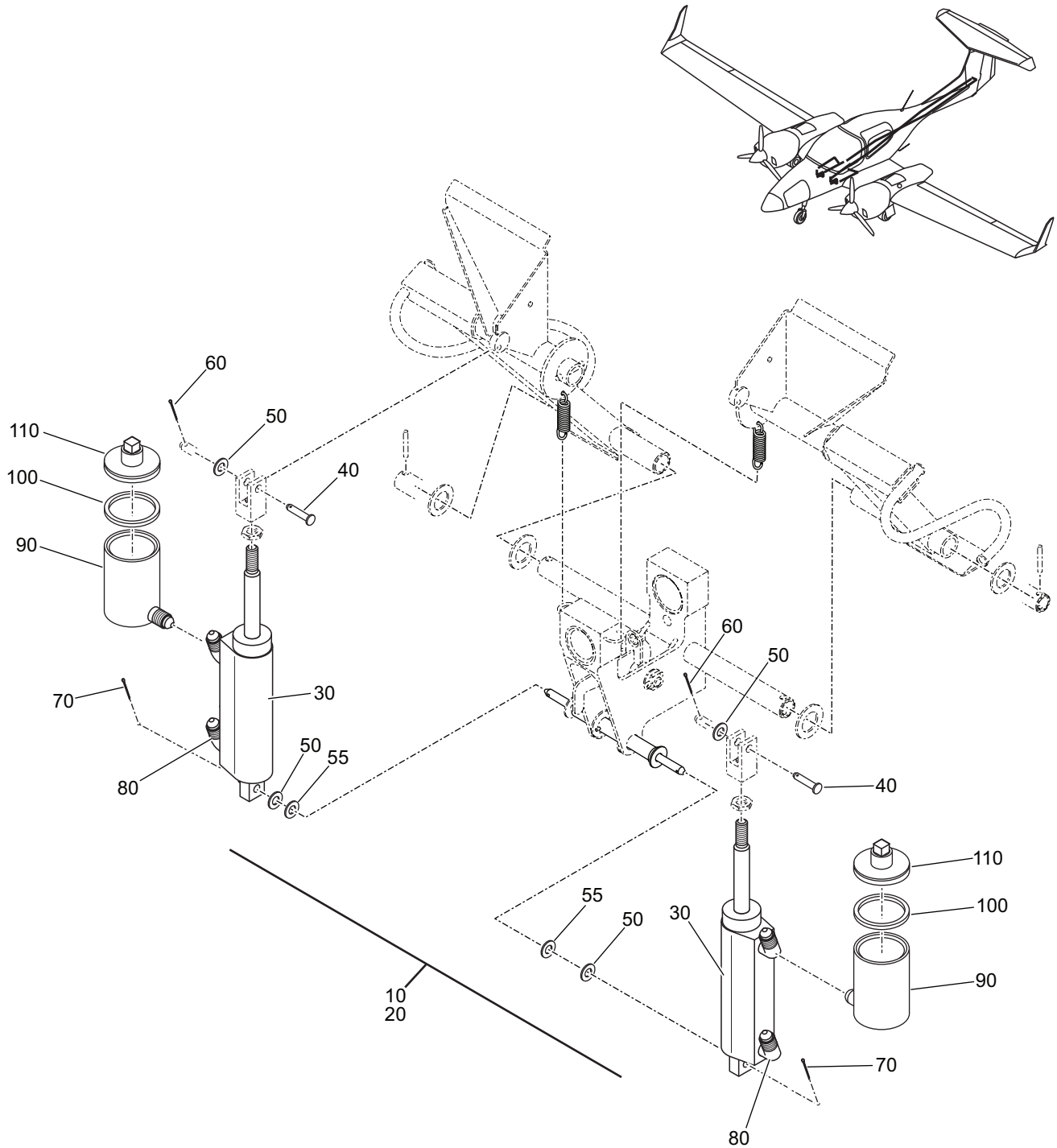


Figure 01 - Brake Master Cylinder Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Brake Master Cylinder Installation	RF	D42L.ALL	
010	22-2727-00-00	. Pedal Assy, Rudder, Short, Pilot	RF		
020	22-2728-00-00	. Pedal Assy, Rudder, Short, Co-Pilot	RF		
		<i>***Parts for item 010 and 020</i>			
030	10-54A	. . Cylinder, Master, Brake	4		
		<i>***Attaching Parts for item 030</i>			
040	MS20392-2P19	. . . Pin, Clevis	4		
050	AN960-C10	. . . Washer, Flat	4		
055	NAS1515H3	. . . Washer, Flat	4		
060	MS24665-151	. . . Pin, Cotter	4		
070	MS24665-24	. . . Pin, Cotter	4		
		<i>***End of Attaching Parts for item 030</i>			
080	MS20822-3D	. Fitting, 90° Elbow	6		
090	A-600	. Reservoir, Fluid, Brake (Co-Pilot Only)	2		
		<i>***Parts for item 090</i>			
100	11602	. . Cap	2		
110	11604	. . O-Ring	2		
		<i>***End of parts for item 090</i>			
		<i>***End of parts for item 010 and 020</i>			

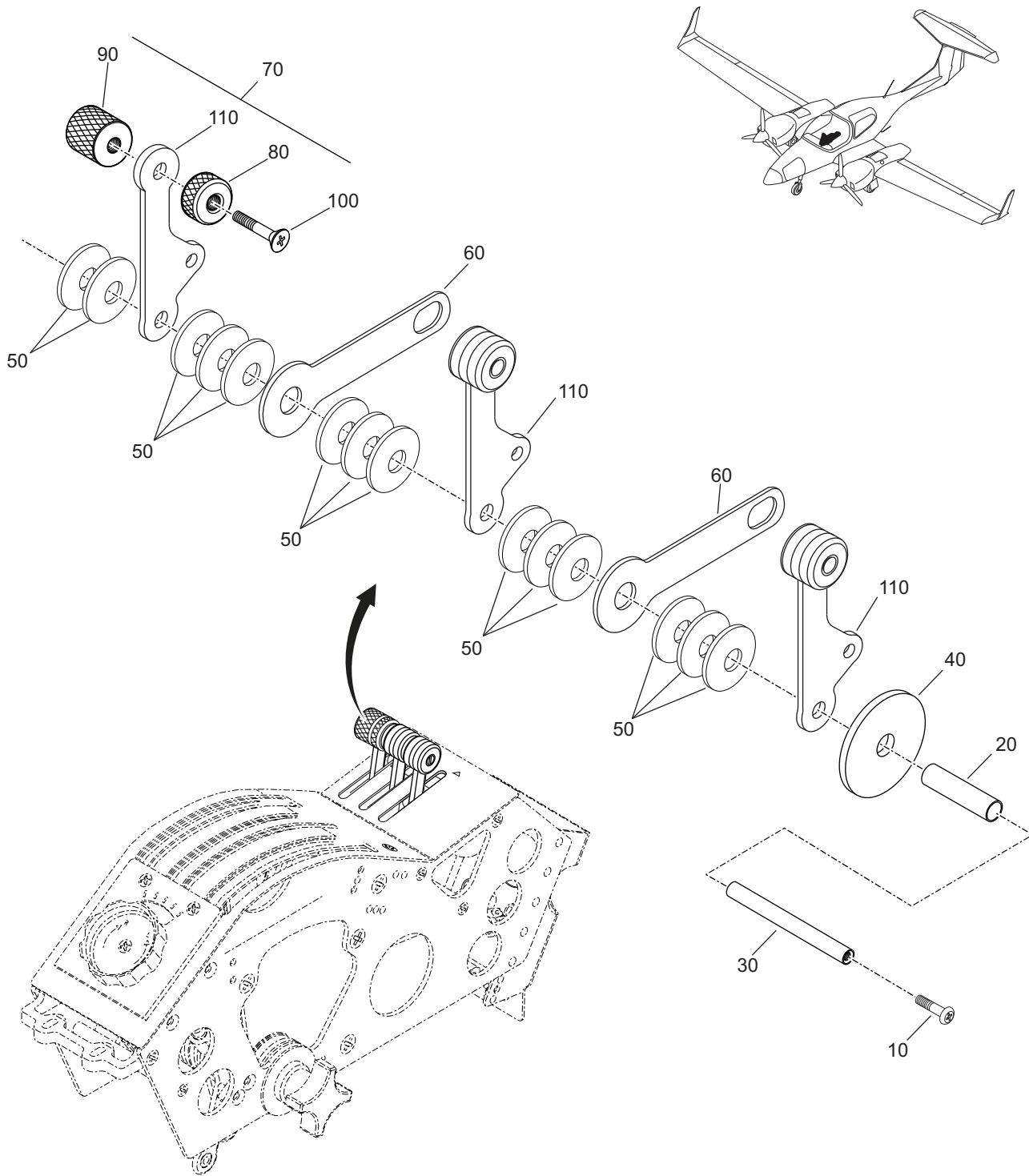


Figure 02 - Parking Lever Assembly

Fig Item	Part Number	Nomenclature	Units Per	From	To
			Assy	S/N	S/N
02-1		Parking Lever Assembly	RF	D42L.ALL	
010	MS24694-C3	. Screw	2		
020	C61-7613-129-001	. Shaft, Lever	1		
030	C61-7613-117-001	. Spacer, Front	1		
040	C61-7613-145-001	. Spacer, Thin, Link	1		
050	DIN9021A-M8x6-PA	. Spacer	14		
060	C61-7613-111-001	. Plate, Link	2		
070	C61-7613-109-001	. Assembly, Lever, Parking	1		
080	D60-7613-10-38	. Knob, Parking Brake, Short	1		
090	D60-7613-10-39	. Knob, Parking Brake, Long	1		
		<i>***Attaching Parts for item 090</i>			
100	BN-373-M4x12-ZP	. . Screw	2		
		<i>***End of Attaching Parts for item 090</i>			
110	C61-7613-110-001	. Lever ***Replaced by P/N C61-7613-110-003	2		
	C61-7613-110-003	. Lever ***Replaces P/N C61-7613-110-001	2		

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CHAPTER 32-60

POSITION AND WARNING

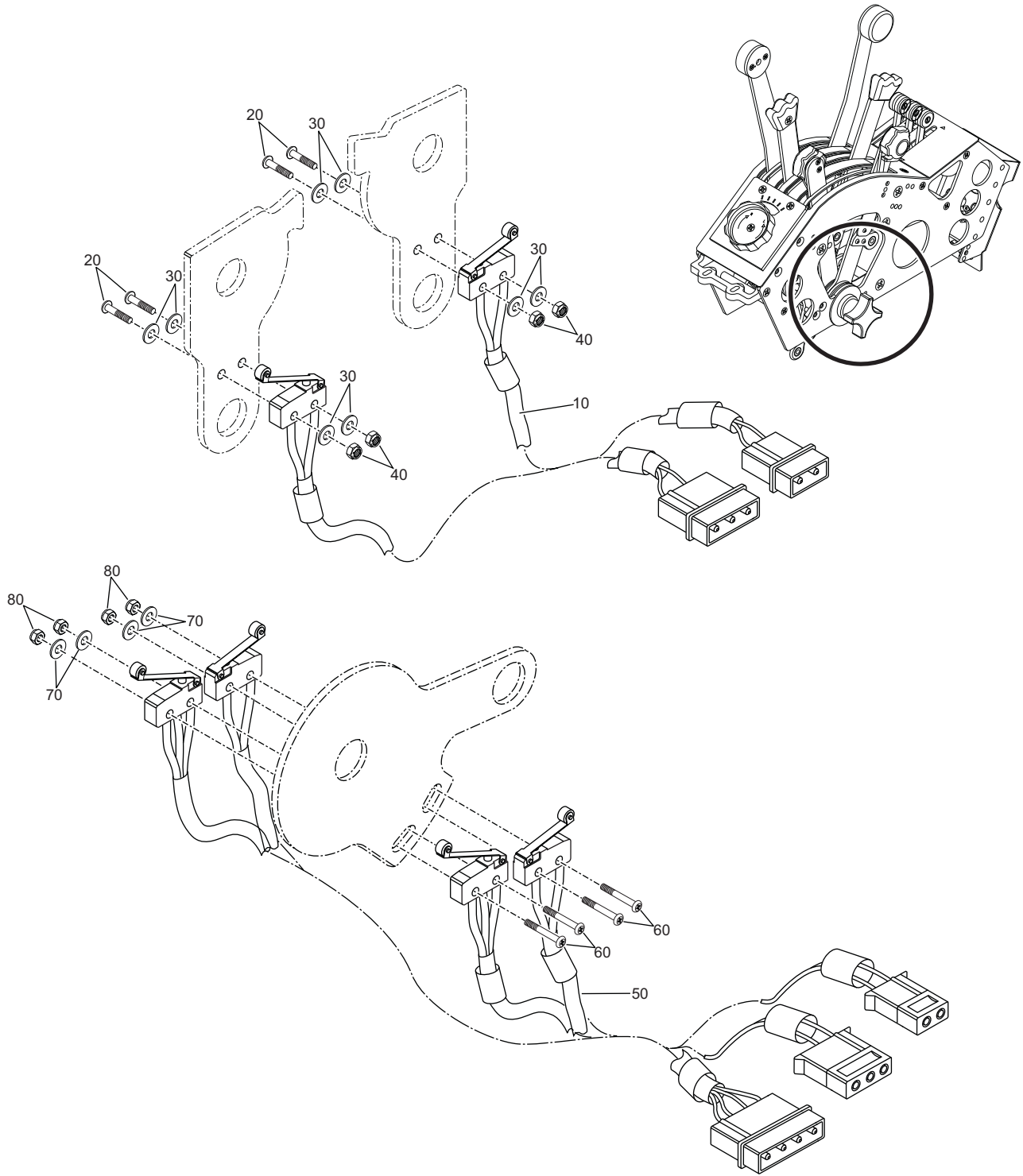


Figure 01 - Engine Power Microswitches

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Power Microswitches	RF	D42L.ALL	
010	C61-2461-101-001	. Assembly, Switch, Control, Propeller <i>***Attaching Parts for item 010</i>	1		
020	MS51957-8	. . Screw	4		
030	NAS1149FN216P	. . Washer	8		
040	MS21042-02	. . Locknut <i>***End of Attaching Parts for item 010</i>	4		
050	C61-2403-117-003	. Harness, Throttle Quad <i>***Attaching Parts for item 050</i>	1		
060	MS51957-9	. . Screw	4		
070	NAS1149FN216P	. . Washer	4		
080	MS21042-02	. . Locknut <i>***End of Attaching Parts for item 050</i>	4		

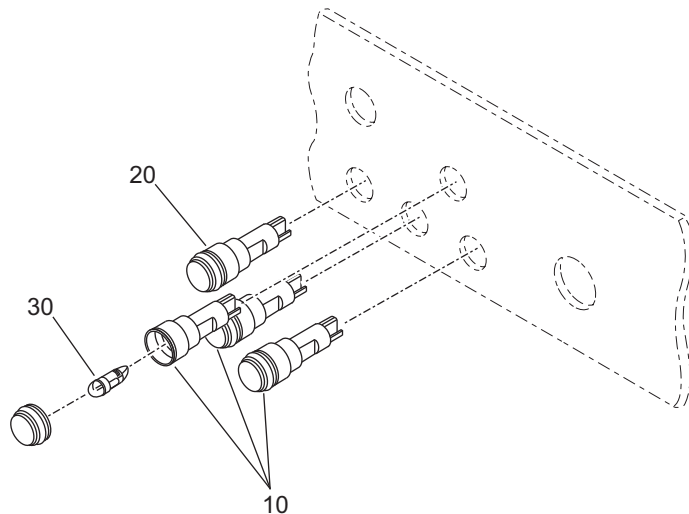
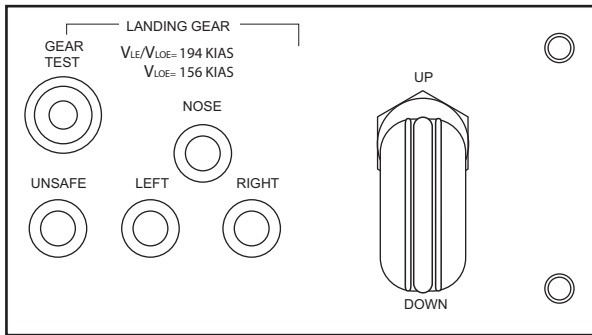
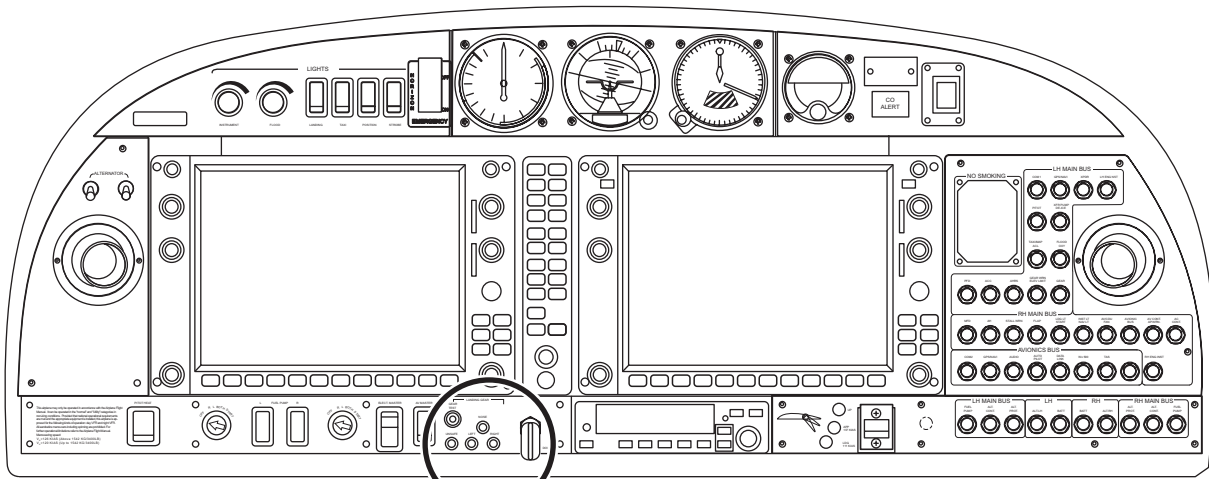
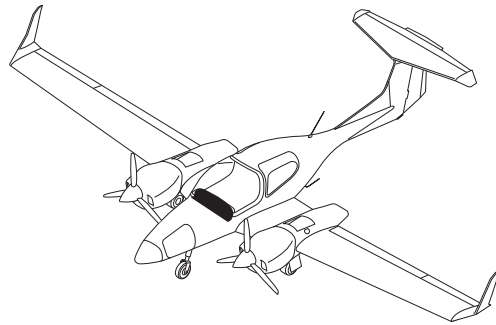


Figure 02 - Landing Gear Instrument Panel

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Landing Gear Panel	RF	D42L.ALL	
010	1.02157.001/1503	. Bulb Holder, Green	3		
020	1.02157.001/1307	. Bulb Holder, Red	1		
030	T4.6 24/20	. Bulb, 24V	4		
030A	461k 02 2801 WS	. LED, 28V	4		
	<p><u>NOTE:</u> If this LED lamp is installed, the same P/N LED lamp must be installed in all four places on the Landing Gear Panel. Mixing of bulbs and LEDs are not permitted.</p>				

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CHAPTER 33

LIGHTING

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 34 NAVIGATION

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CHAPTER 34-20

ATTITUDE AND DIRECTION

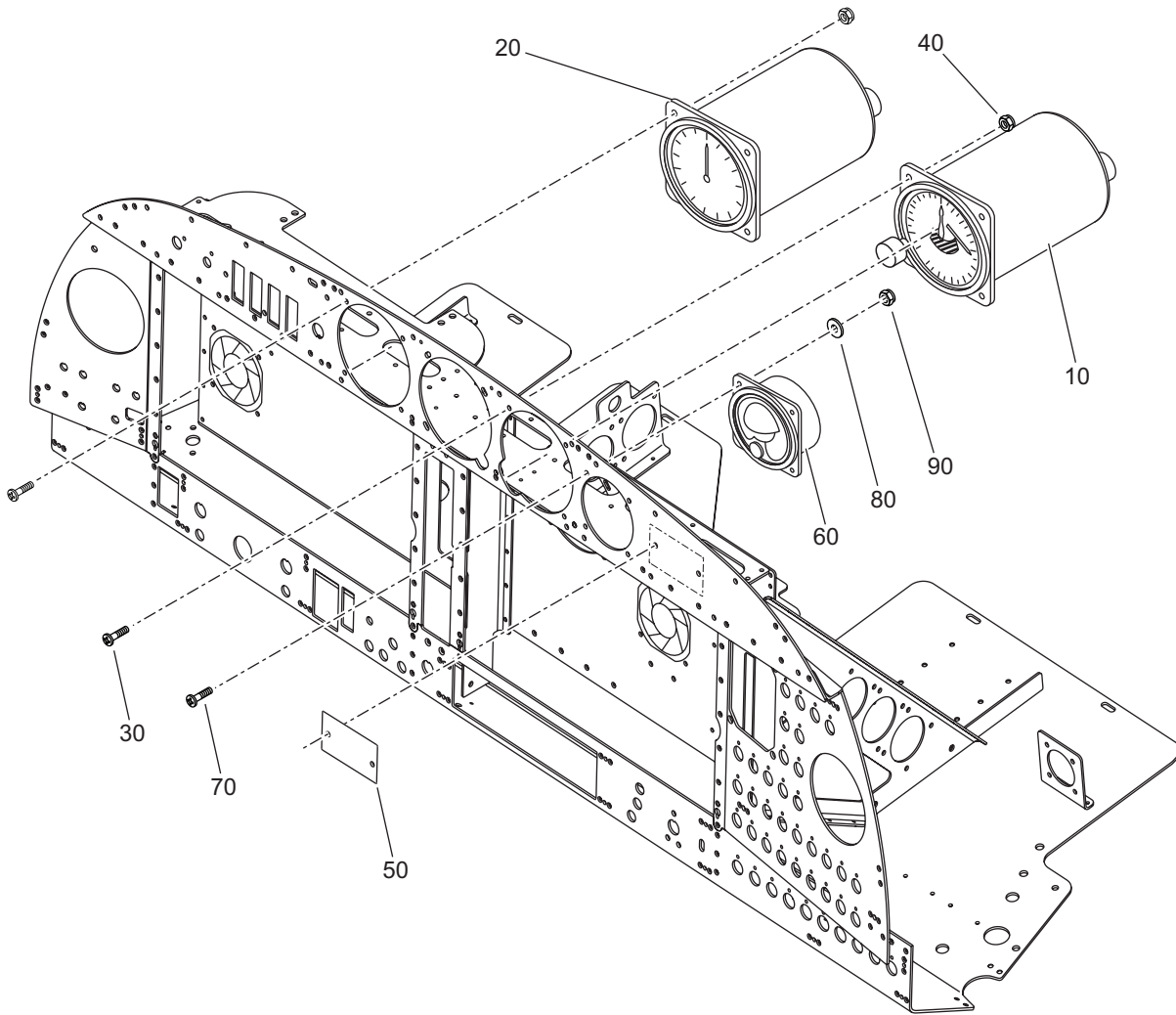


Figure 01 - Gyro Instruments

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Gyro Instruments	RF	D42L.ALL	
010	5934PD-3 A130	. Altimeter	1		
020	8030B887	.Airspeed Indicator	1		
		***Attaching Parts for item 020			
030	MS16995-21B	. . Screw	7		
040	MS33737-16C	. . Nut	7		
		***End of Attaching Parts for item 020			
050	D60-1131-10-22	. Compass Card	1		
060	PG2C-28V	. Compass			
		***Attaching Parts for item 060			
070	MS16995-20B	. . Screw	4		
080	AN960C8L	. . Washer	4		
090	MS21044C06	. . Locknut	4		
		***End of Attaching Parts for item 060			

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CHAPTER 35

OXYGEN

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 52

DOORS

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 53

FUSELAGE

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 55 STABILIZERS

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CHAPTER 55-40

RUDDER AND TRIM TAB

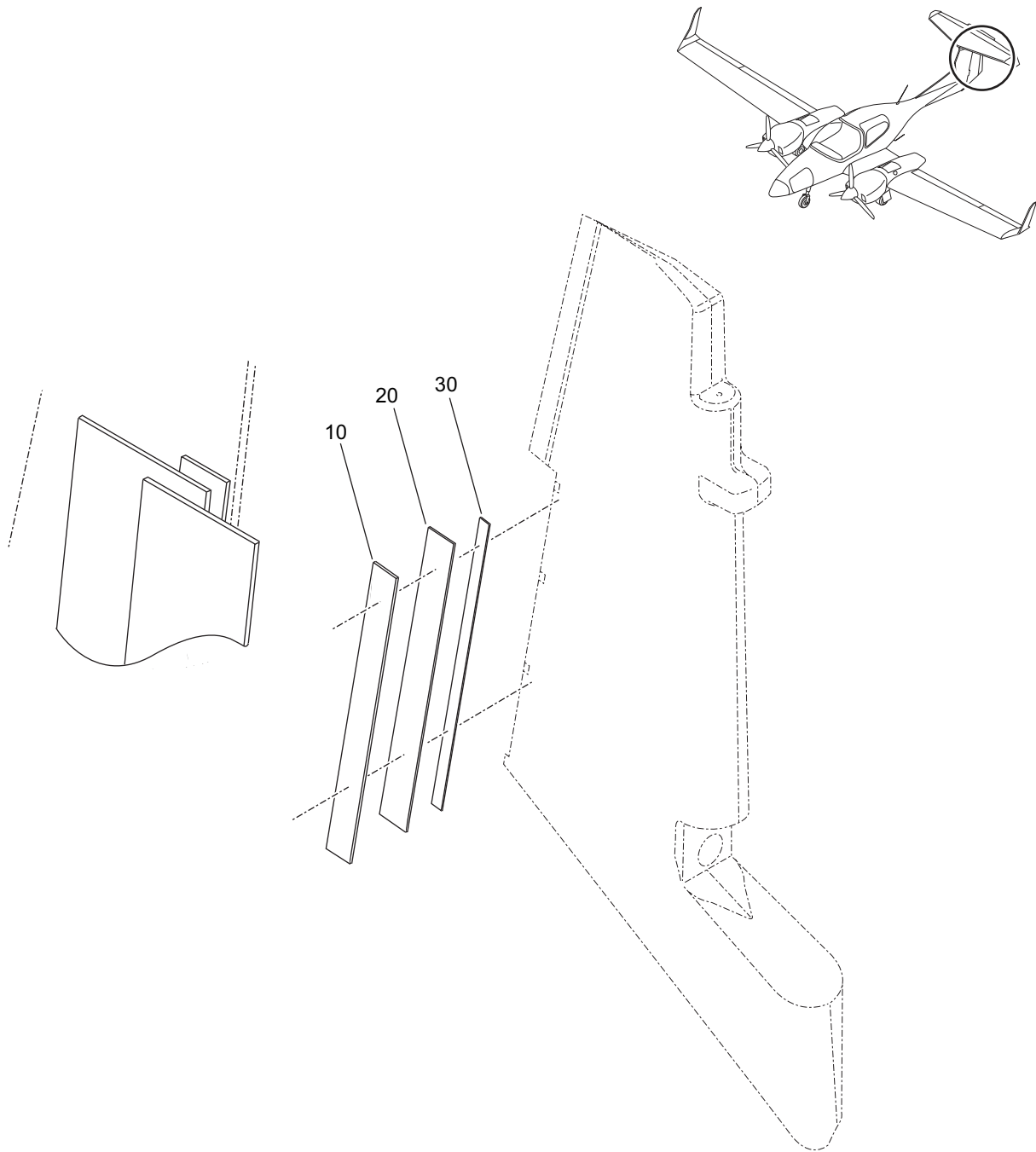


Figure 01 - Rudder Trim Seal Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Rudder Trim Seal Installation	RF	D42L.ALL	
010	4140	. Tape, Safety (19 MM Wide)	717 MM		
020	No Part Number	. Seal., Mylar Convex (30 MM Wide)	717 MM		
030	4965	. Tape, Two-Sided (12 MM Wide)	717 MM		

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CHAPTER 56

WINDOWS

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 57

WINGS

For aircraft with serial numbers 42.XXX (other than 42.081 and 42.302) and for serial numbers 42.ACXXX, refer to the On-Line IPC - **DA42 (Doc.No. 7.03.01)**.

For aircraft with serial numbers 42.NCXXX, plus serial numbers 42.081 and 42.302, refer to the On-Line IPC - **DA42-NG (Doc.No. 7.03.15)**.

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CHAPTER 61
PROPELLER

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CHAPTER 61-10

PROPELLER ASSEMBLY

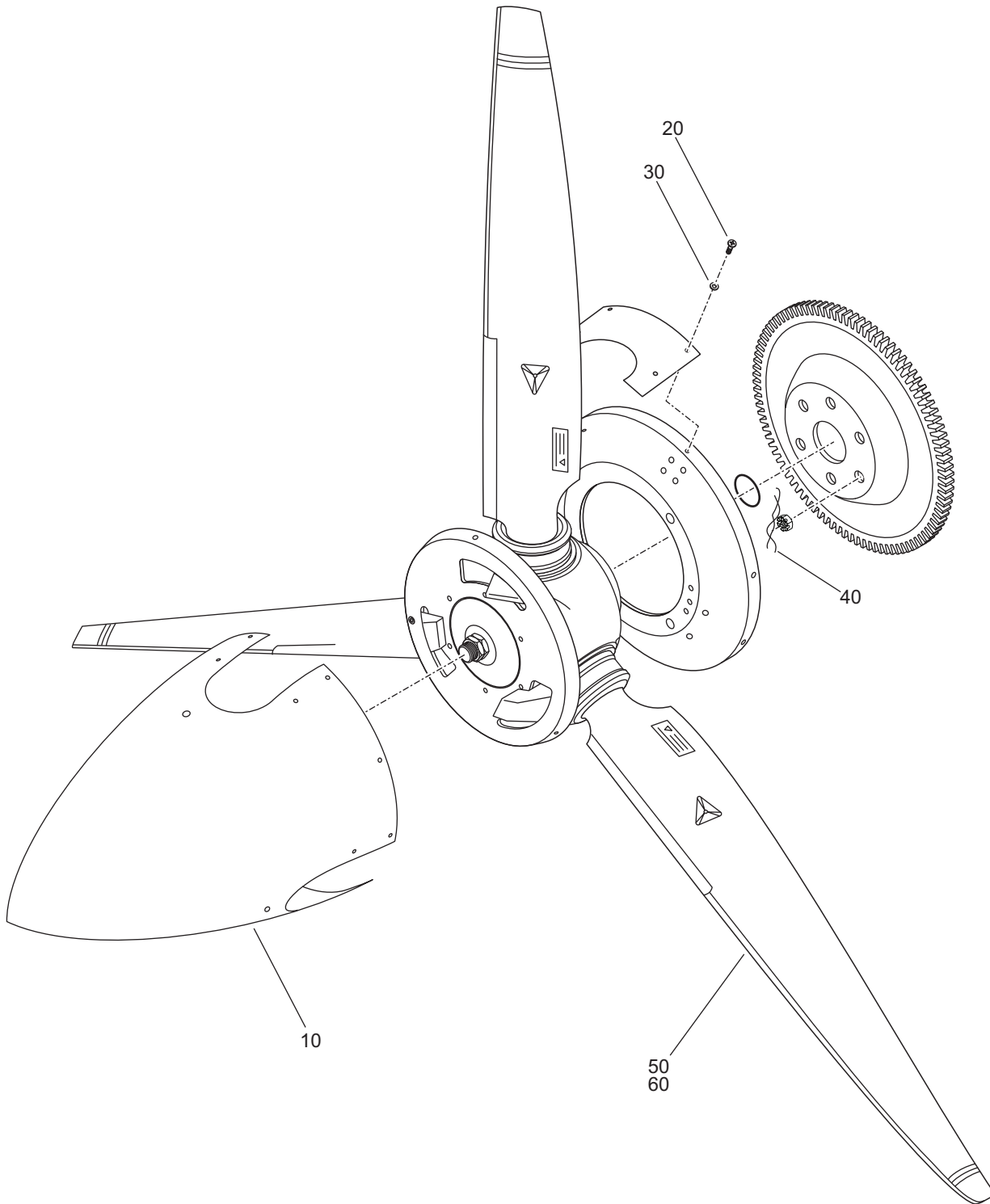


Figure 01 - LH/RH Propeller Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		LH/RH Propeller Installation	RF	D42L.ALL	
010	P-1120	. Assembly, Spinner <i>****Attaching Parts for item 010</i>	1		
020	AN526C1032R8	. . Screw	27		
030	C344	. . Washer <i>****End of Attaching Parts for item 010</i>	27		
040	MS20995C032	. Lockwire	AR		
050	MTV-12-B-C-F/CF183-59b	. Propeller, LH	1		
060	MTV-12-B-C-F/CFL183-59b	. Propeller, RH	1		

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CHAPTER 61-20

PROPELLER CONTROL

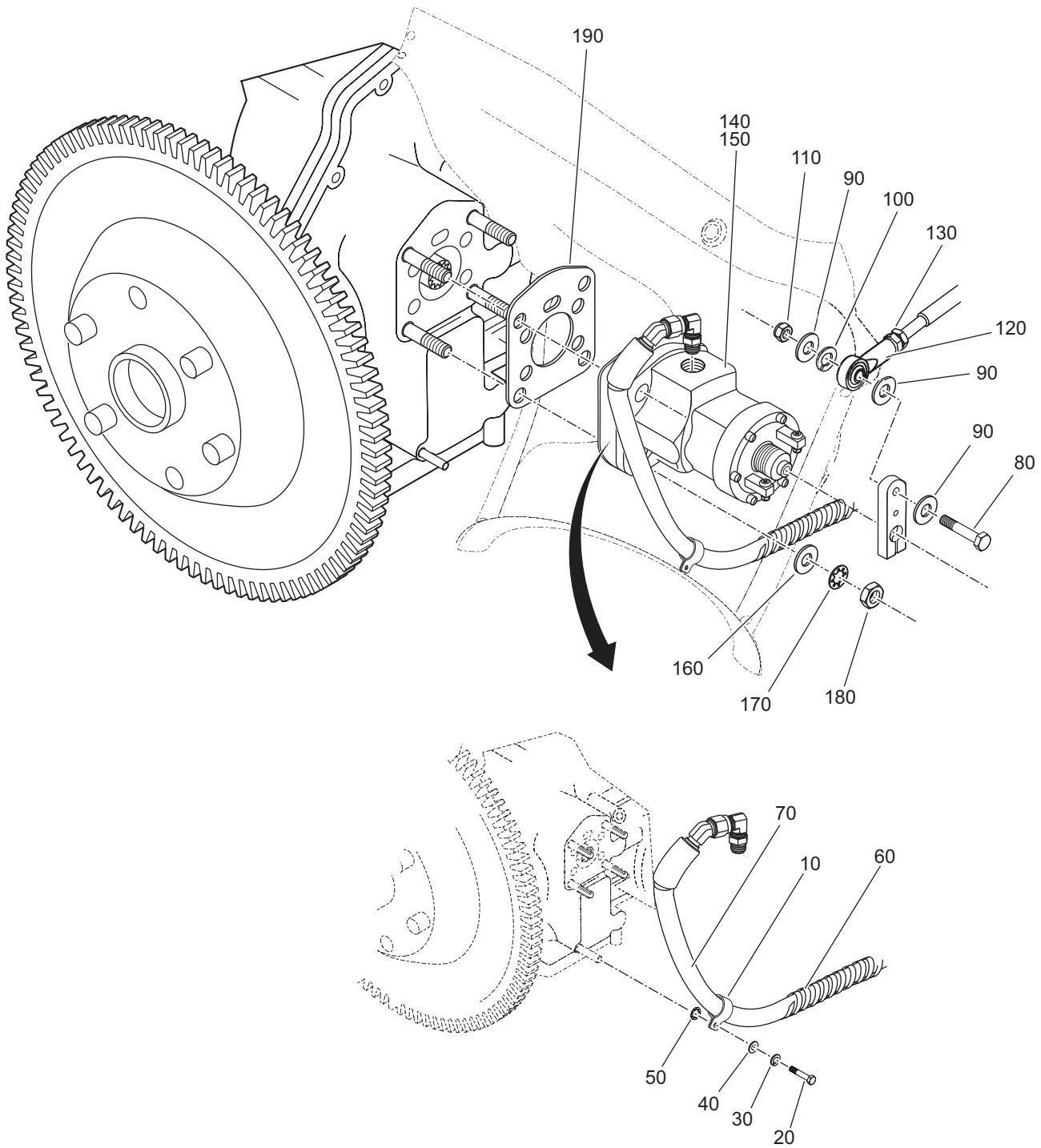


Figure 01 - Governor Installation (Sheet 1 of 2)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Governor Installation (LH or RH)	RF	D42L.ALL	
010	MS21919WDG12	. Clamp, P-Type <i>***Attaching Parts for item 010</i>	1		
020	BN13	. . Bolt	1		
030	STD-160	. . Washer, Lock	1		
040	NAS1149F0463P	. . Washer	1		
050	BU2-10-6.5-0330C	. . Bushing <i>***End of Attaching Parts for item 010</i>	1		
060	3P9C	. Wrap, Spiral, High Temp (500 mm Long)	1		
070	AE6209G0376-080	. Oil Line			
080	AN3-10A	. Bolt	1		
090	AN960-10L	. Washer, Plain	3		
100	656-057	. Washer	1		
110	MS21042-3	. Nut, Self-Locking	1		
120	HF3M	. Rod, End	1		
130	AN316-3	. Nut, Jam	1		
140	P-885-43	. Governor, Propeller, LH	1		
150	P-875-43	. Governor, Propeller, RH <i>***Attaching Parts for item 140 and 150</i>	1		
160	STD-475	. . Washer	4		
170	BU2-15-8.4-0090-C	. . Bushing	4		
170A	AN960-516	. . Washer	4		
180	STD-1410	. . Nut	4		
190		. . Gasket <i>NOTE: For the part number of gasket, refer to MT Propeller, Operation and Installation Manual ATA61-20-48 (E-1048), latest revision.</i> <i>***End of Attaching Parts for item 140 and 150</i>	1		

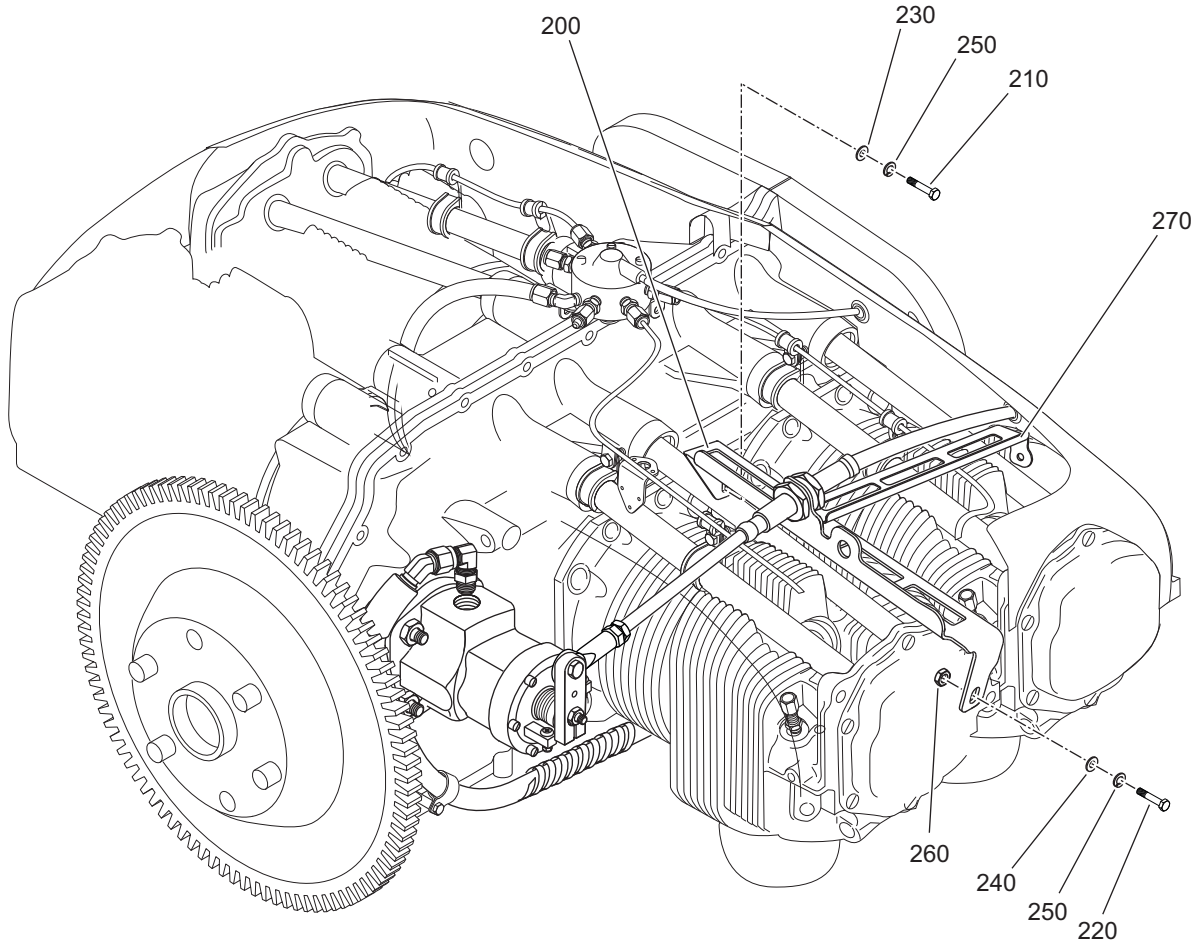


Figure 01 - Governor Installation (Sheet 2 of 2)

Fig Item	Part Number	Nomenclature	Units Per	From S/N	To S/N
			Assy		
01-1		Governor Installation	RF	D42L.ALL	
200	C61-6126-110-001	. Bracket, Support, Cable, Propeller <i>***Attaching Parts for item 200</i>	1		
210	L-LW-25H0.75	. . Bolt, Drilled Heat	1		
220	STD-1916	. . Bolt	1		
230	NAS1149F0463P	. . Washer	2		
240	AN960-416L	. . Washer	1		
250	STD-160	. . Washer, Lock	2		
260	STD-1411	. . Nut <i>***End of Attaching Parts for item 200</i>	1		
270	C61-6126-112-001	. Bracket, Brace, Support, Cable, Propeller	1		

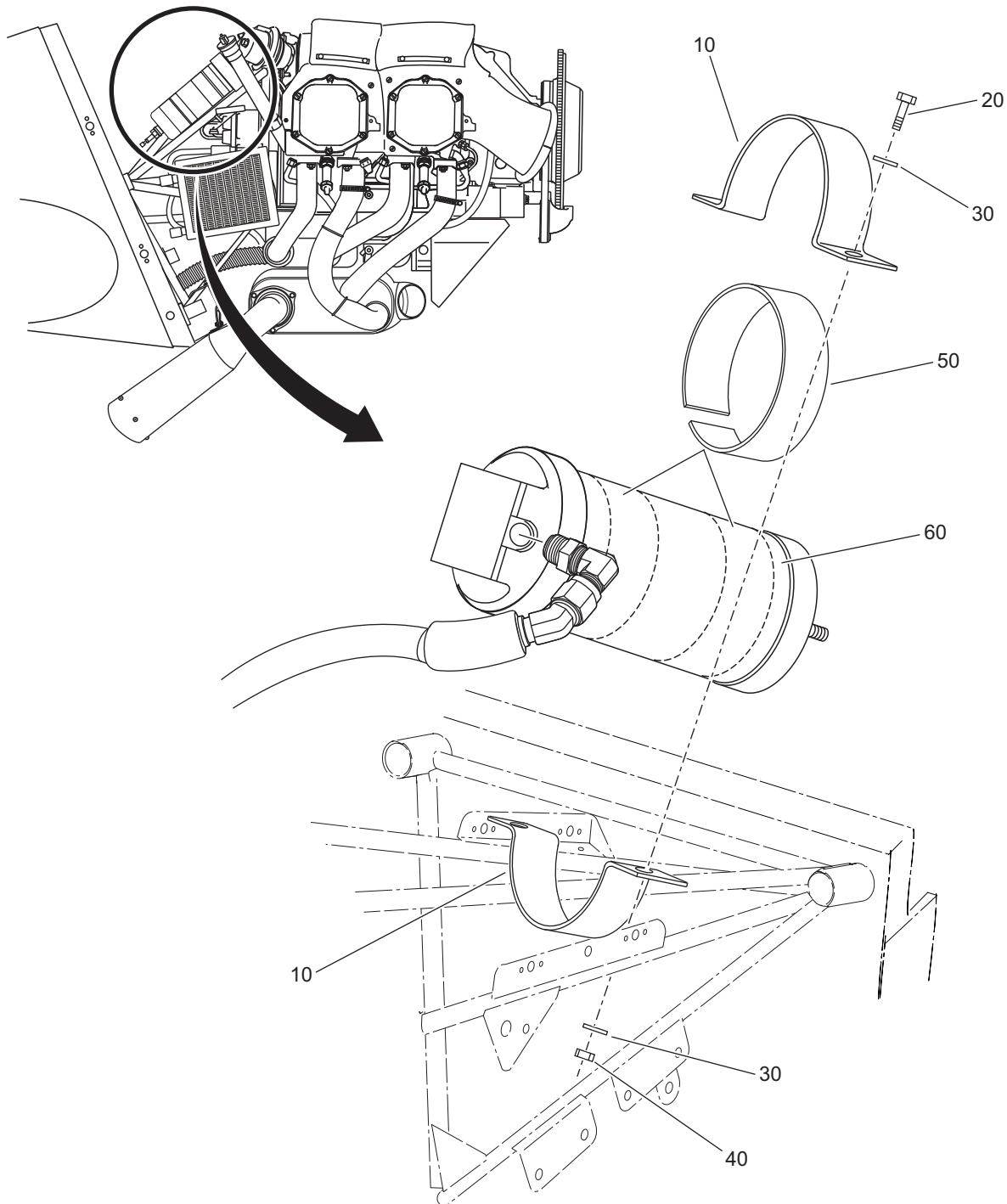


Figure 02 - Accumulator Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
02-1		Accumulator Installation (LH or RH)	RF	D42L.ALL	
010	D60-6116-00-02	. Clamp, Accumulator <i>***Attaching Parts for item 010</i>	4		
020	DIN933-M5X20-ZP	. . Bolt	4		
030	DIN9021-M5-A2	. . Washer, Stainless	8		
040	DIN980V-M5-A2	. . Nut <i>***End of Attaching Parts for item 010</i>	4		
050	975305029061	. Hose, Shrink (40 mm Wide)	2		
060	P-893-2	. Accumulator	1		

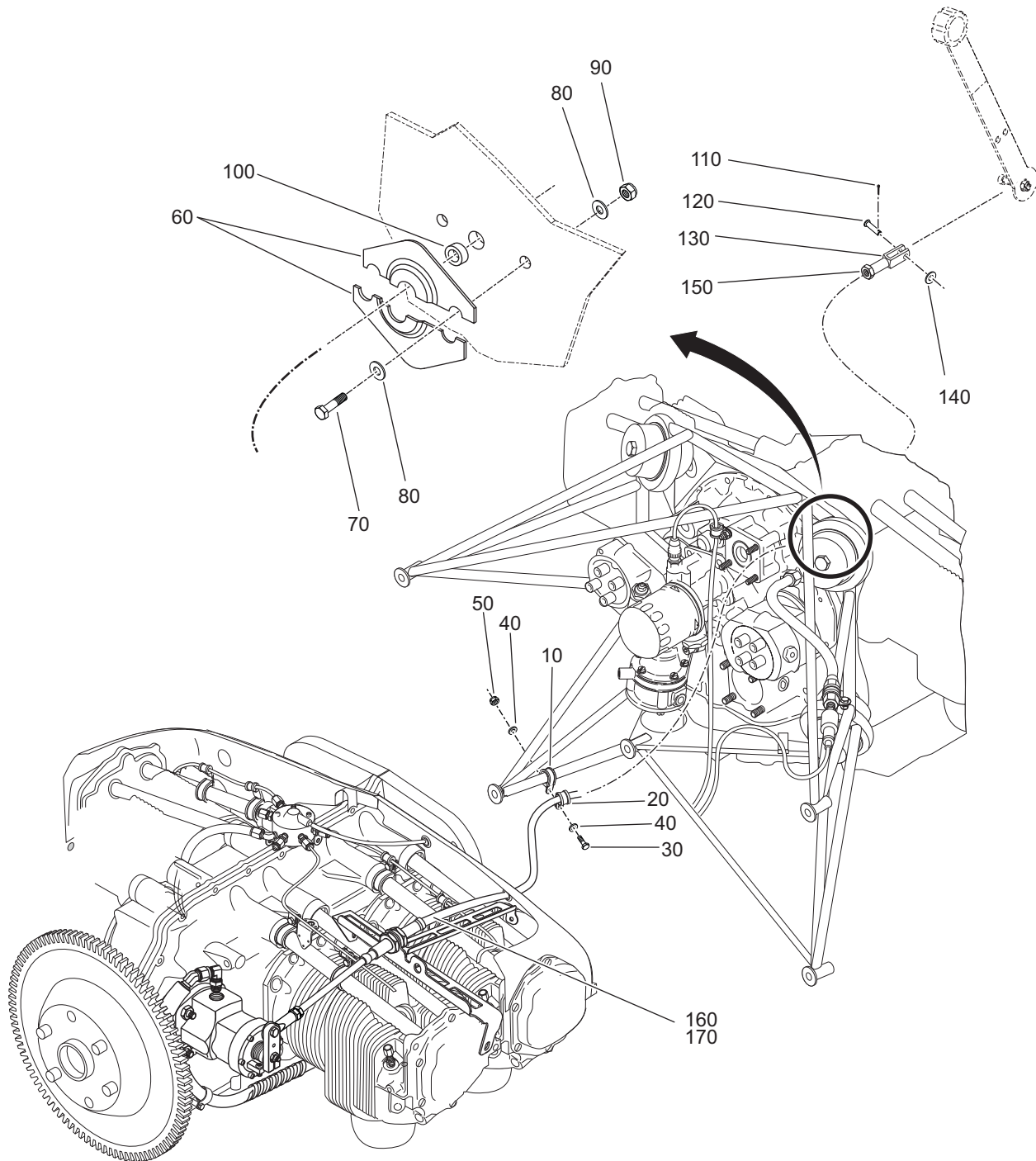


Figure 03 - Propeller Control Assembly

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
03-1		Propeller Control Assembly (LH or RH)	RF	D42L.ALL	
010	MS21919WDG10	. Clamp, P-Type	1		
020	MS21919WDG5	. Clamp. P-Type	1		
		<i>***Attaching Parts for item 020</i>			
030	AN3-4A	. . Bolt	1		
040	NAS1149F0332P	. . Washer	2		
050	MS21042-3	. . Nut, Self-Locking	1		
		<i>***End of Attaching Parts for item 020</i>			
060	61-475	. Shield, Firewall	2		
		<i>***Attaching Parts for item 060</i>			
070	LN9037-M4x16	. . Bolt	2		
080	DIN9021-M4-A2	. . Washer	4		
090	DIN980V-M4-A2	. . Nut	2		
100	C61-7103-130-001	. . Bushing, Cable	1		
		<i>***End of Attaching Parts for item 060</i>			
110	MS24665-151	. Pin, Cotter	1		
120	C61-7613-173-001	. Pin, Clevis	1		
130	AN665-21R	. Clevis	1		
140	NAS1149F0332P	. Washer	1		
150	MS35650-302	. Nut	1		
160	C61-6126-102-001	. Cable, Governor, Propeller, LH	1		
170	C61-6126-103-002	. Cable, Governor, Propeller, RH	1		

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CHAPTER 71 POWER PLANT

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CHAPTER 71-10

COWLINGS

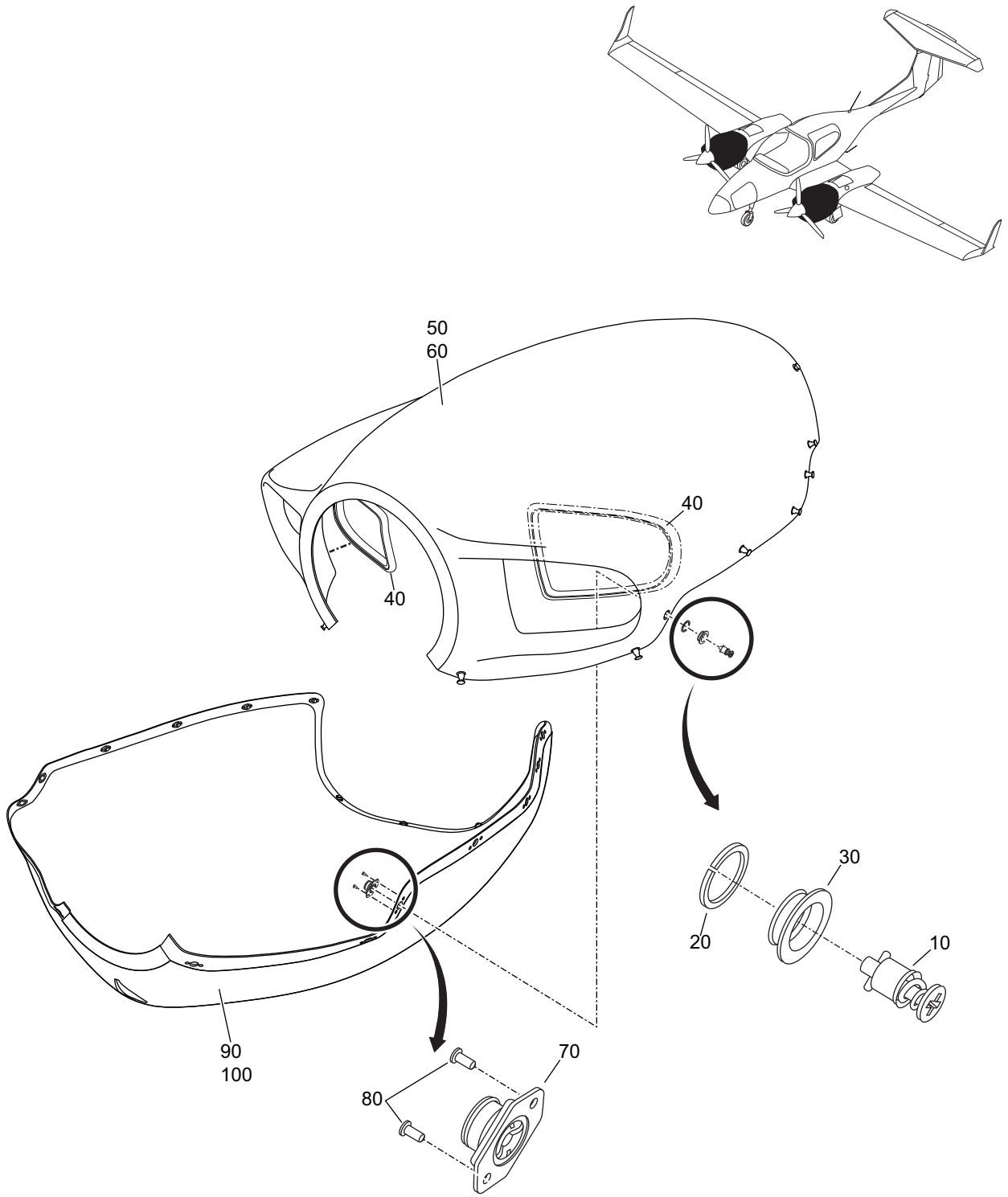


Figure 01 - Engine Cowlings

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Cowlings (LH and RH)	RF	D42L.ALL	
010	40S-5-6D	. Stud, Phillips, 1/4 Turn	27		
020	R4G-2	. Ring, Retaining	27		
030	4002-0	. Camloc, Plus Flush Grommet	27		
040	10.2508.8961	. Rubber, Edge Protection	2		
050	C61-7116-101-001	. Cowling, Shell, Upper, LH	1		
060	C61-7116-101-002	. Cowling, Shell, Upper, RH	1		
070	244-16G	. Camloc, Receptacle	14		
		<i>***Attaching Parts for item 070</i>			
080	TAP-K-BS-48	. . Rivet, Blind	24		
		<i>***End of Attaching Parts for item 070</i>			
090	C61-7116-102-001	. Cowling, Shell, Lower LH	1		
100	C61-7116-102-002	. Cowling, Shell, Lower, RH	1		

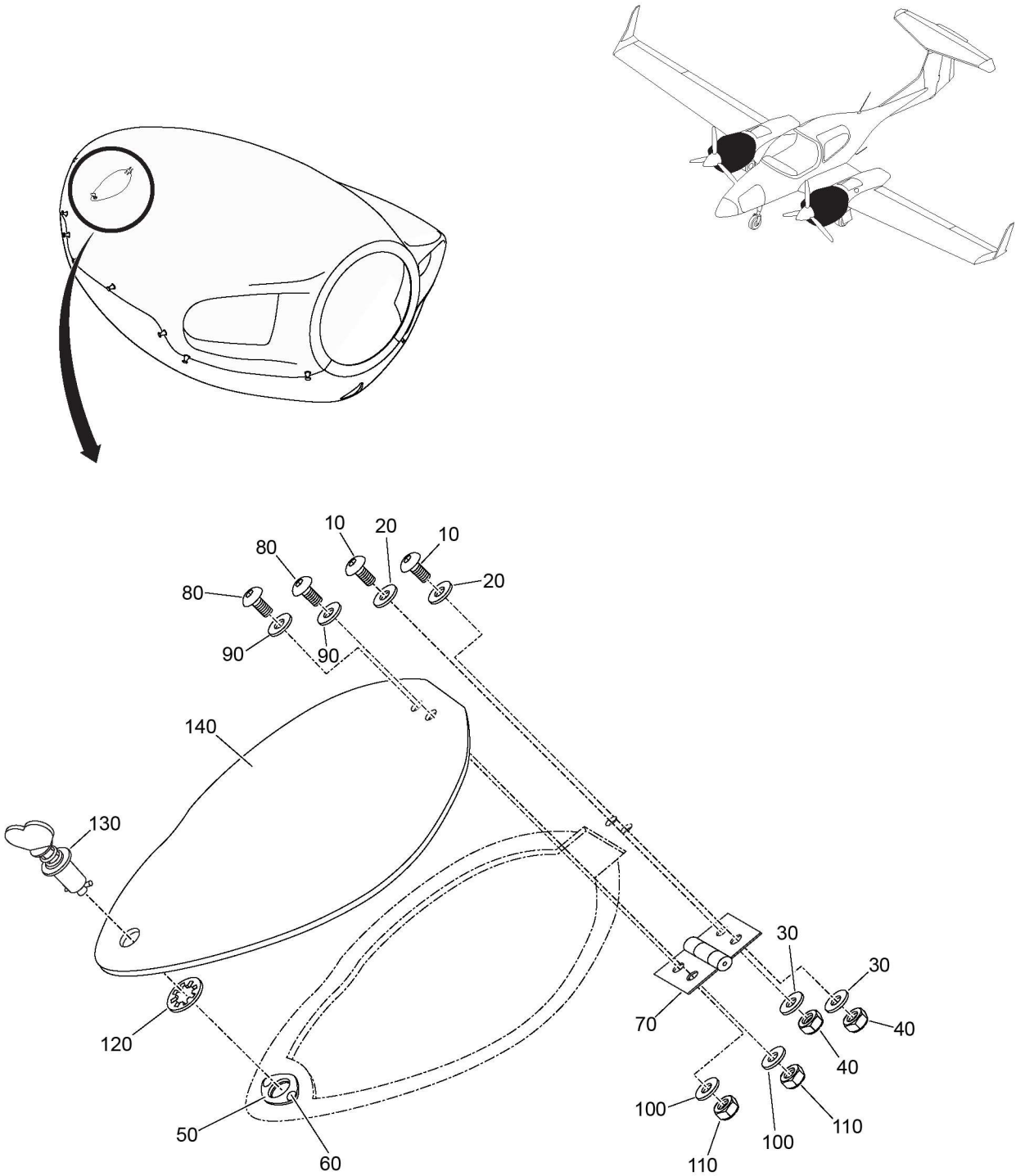


Figure 02 - Oil Cap Plate Assembly

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
02-1		Engine Cowling Access Panel (Oil Cap Plate Assembly) C61-7116-106-001	RF	D42L.ALL	
010	ISO7380-M3x10-A2/4	. Bolt, Hexagon, Socket	2		
020	DIN125-3,2-PA	. Washer	2		
030	DIN125-3,2-A2/4	. Washer	2		
040	DIN985-M3-A2/4	. Nut, Hexagon, Self-Locking	2		
050	V2600-LW-7	. Camlock, Receptacle	1		
060	CCR244SS3-03	. Rivet	2		
070	D41-7116-62-00	. Hinge	1		
		<i>***Attaching Parts for item 070</i>			
080	ISO7380-M3x10-A2	. . Bolt, Hex	2		
090	DIN125A-M3-PA	. . Washer, Polymid	2		
100	DIN125A-M3-A2	. . Washer, Stainless	2		
110	DIN985-M3-A2	. . Locknut, Stainless	2		
		<i>***End of Attaching Parts for item 070</i>			
120	2600-LW	. Retaining Ring, Camlock	1		
130	1126010-2	. Camlock, Winged	1		
140	C61-7116-107-001	. Plate, Cap, Oil	1		

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CHAPTER 71-20

MOUNTING

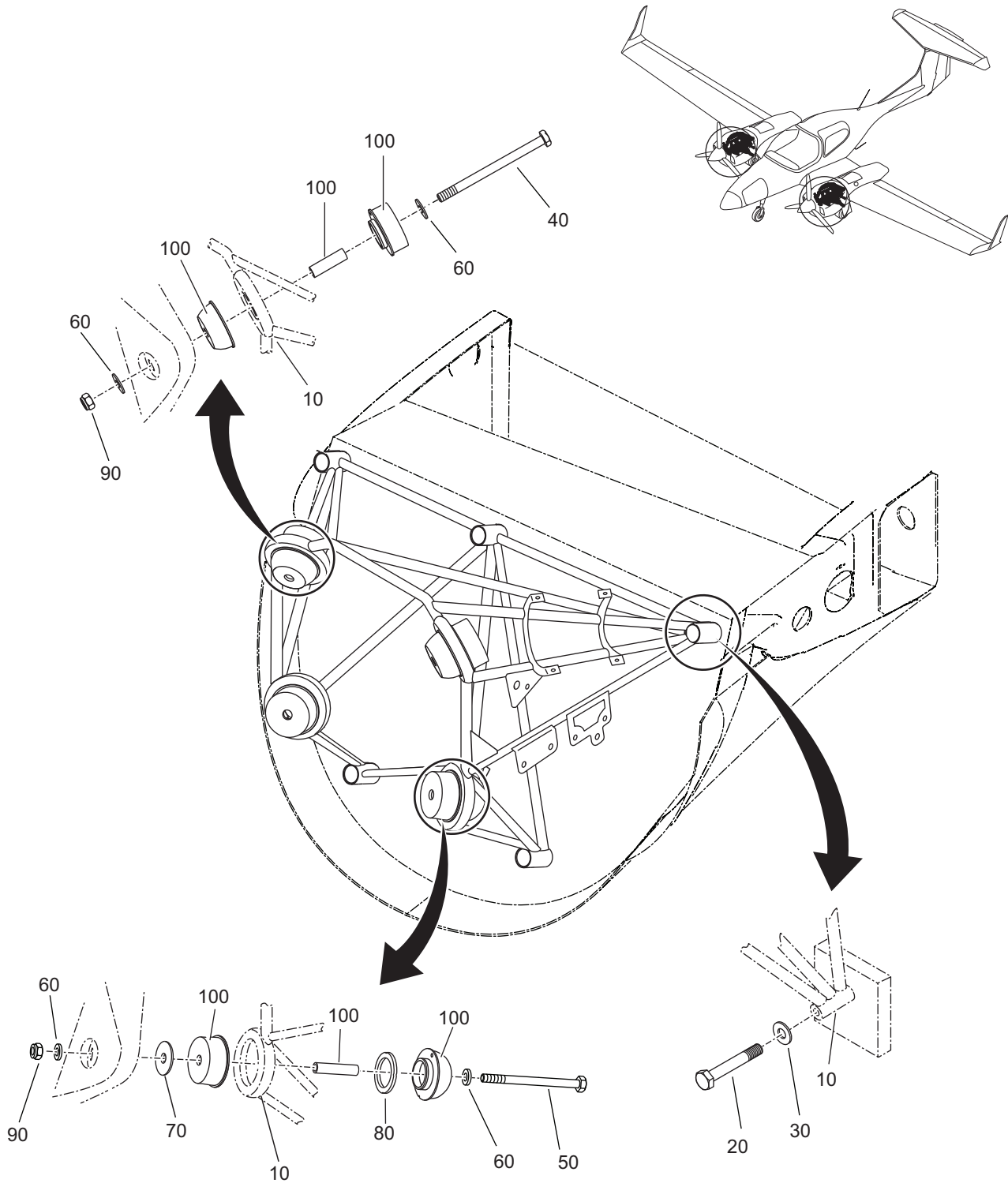


Figure 01 - Engine Mounting Frame Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Mounting Frame Installation	RF	D42L.ALL	
010	C61-7126-102-001	. Assembly, Mount, Engine ***Attaching Parts for item 010	2		
020	DIN931-M10x55-8.8-YZP	. . Bolt	5		
030	DIN125-M10-A2	. . Washer ***End of Attaching Parts for item 010	5		
040	AN7-43A	. Bolt	2		
050	AN7-44A	. Bolt	2		
060	AN960-716L	. Washer	8		
070	AN970-7	. Washer	2		
080	C61-7126-142-001	. Spacer, Mount	2		
090	AN363-720	. Nut	4		
100	J-9613-58	. Mount, Shock, (3-Piece)	4		

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CHAPTER 71-50

ENGINE ELECTRICAL HARNESS

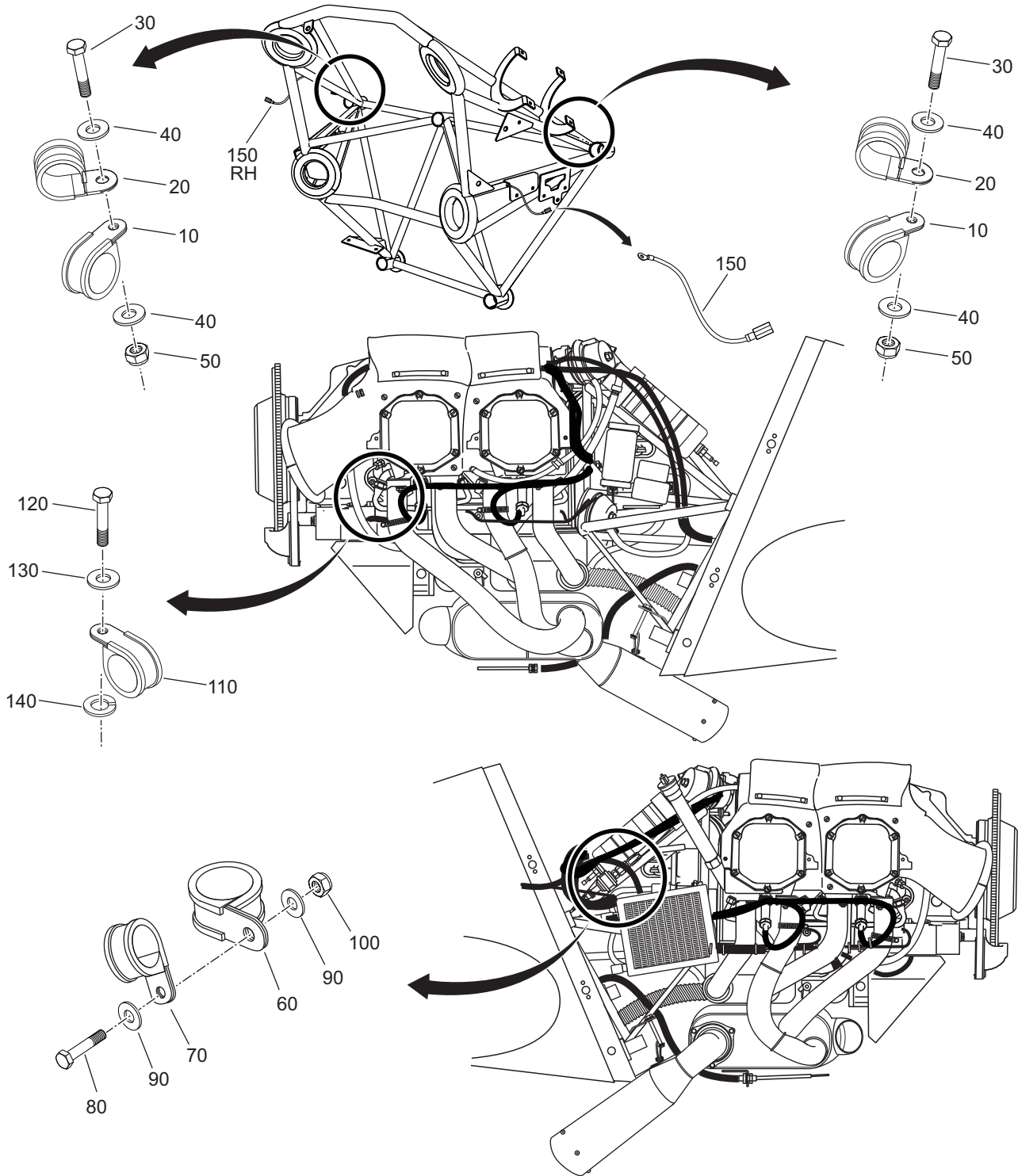


Figure 01 - Engine Electrical Harness

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Engine Electrical Harness	RF	D42L.ALL	
010	MS21919-WDG10	. Clamp, P-Type	2		
020	MS21919-WDG15	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 020</i>			
030	AN3-5A	. . Bolt	2		
040	AN960-10	. . Washer	4		
050	MS21044N3	. . Nut	2		
		<i>***End of Attaching Parts for item 020</i>			
060	MS21919-WDG16	. Clamp, P-Type	1		
070	MS21919-WDG10	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 070</i>			
080	AN3-5A	. . Bolt	1		
090	AN960-10	. . Washer	2		
100	MS21044N3	. . Nut	1		
		<i>***End of Attaching Parts for item 070</i>			
110	MS21919-WDG10	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 110</i>	2		
120	LW-31H0.75	. . Bolt	1		
130	AN960-516	. . Washer	1		
140	STD475	. . Washer, Lock	1		
		<i>***End of Attaching Parts for item 110</i>	1		
150	C61-3310-102-001	. Wire, Bonding, Light, De-Ice, Engine Mount	2		

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CHAPTER 71-60

AIR INTAKES

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Alternate Air Cable (LH and RH)	RF	D42L.ALL	
005	13-0403-00	. Assembly, Swivel Kit	1		
010	NAS1515H4L	. Washer, Nylon	1		
020	C61-2167-101-001	. Bracket	1		
		***Attaching Parts for item 020			
030	BSCQ-04-03	. . Rivet	3		
		***End of Attaching Parts for item 020			
040	MS21919WDG5	. Clamp, P-Type	2		
050	MS21919WDG26	. Clamp	1		
060	MS21919WDG12	. Clamp	1		
		***Attaching Parts for item 060			
070	AN3-4A	. . Bolt	2		
080	NAS1149F0332P	. . Washer	4		
090	MS21042-3	. . Nut	2		
		***End of Attaching Parts for item 060			
100	MS21919WD65	. Clamp, P-Type, RH	1		
110	MS21919WDG12	. Clamp, RH	1		
		***Attaching Parts for item 110			
120	AN3-4A	. . Bolt	1		
130	NAS1149F0332P	. . Washer	2		
140	MS21042-3	. . Nut	1		
		***End of Attaching Parts for item 110			
150	2N	. Spywrap, 0.25 In.	2		
160	T22700034	. Cable, Bowden (LH Length - 3150 mm, RH Length - 3850 mm)	1		
170	C61-7176-108-001	. Cable, Air, Alternate, LH	1		
180	C61-7176-109-002	. Cable, Air, Alternate, RH	1		

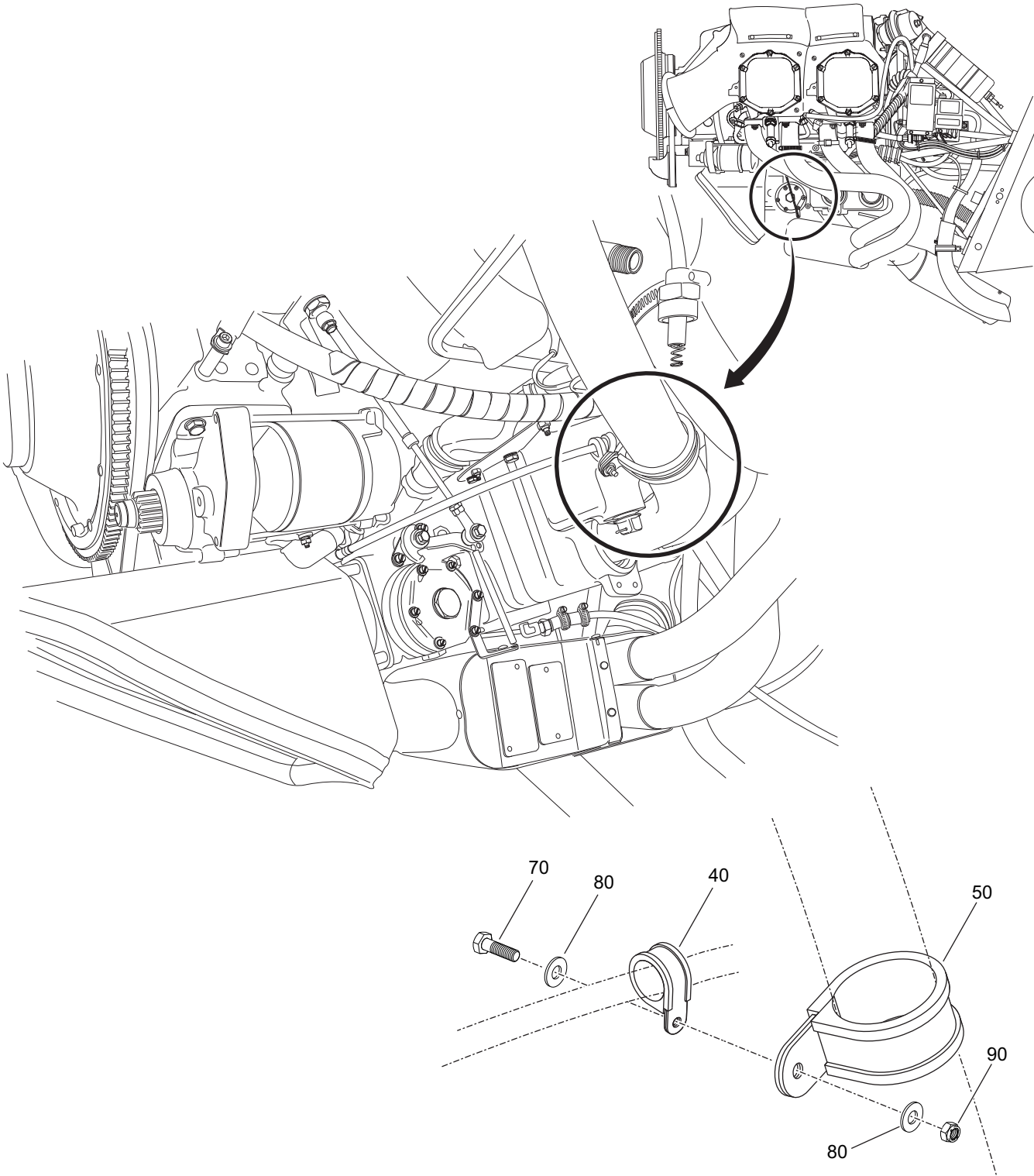


Figure 01 - Alternate Air Cable (Sheet 2 of 3)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Alternate Air Cable (LH and RH)	RF	D42L.ALL	
005	13-0403-00	. Assembly, Swivel Kit	1		
010	NAS1515H4L	. Washer, Nylon	1		
020	C61-2167-101-001	. Bracket	1		
		***Attaching Parts for item 020			
030	BSCQ-04-03	. . Rivet	3		
		***End of Attaching Parts for item 020			
040	MS21919WDG5	. Clamp, P-Type	2		
050	MS21919WDG26	. Clamp	1		
060	MS21919WDG12	. Clamp	1		
		***Attaching Parts for item 060			
070	AN3-4A	. . Bolt	2		
080	NAS1149F0332P	. . Washer	4		
090	MS21042-3	. . Nut	2		
		***End of Attaching Parts for item 060			
100	MS21919WD65	. Clamp, P-Type, RH	1		
110	MS21919WDG12	. Clamp, RH	1		
		***Attaching Parts for item 110			
120	AN3-4A	. . Bolt	1		
130	NAS1149F0332P	. . Washer	2		
140	MS21042-3	. . Nut	1		
		***End of Attaching Parts for item 110			
150	2N	. Spywrap, 0.25 In.	2		
160	T22700034	. Cable, Bowden (LH Length - 3150 mm, RH Length - 3850 mm)	1		
170	C61-7176-108-001	. Cable, Air, Alternate, LH	1		
180	C61-7176-109-002	. Cable, Air, Alternate, RH	1		

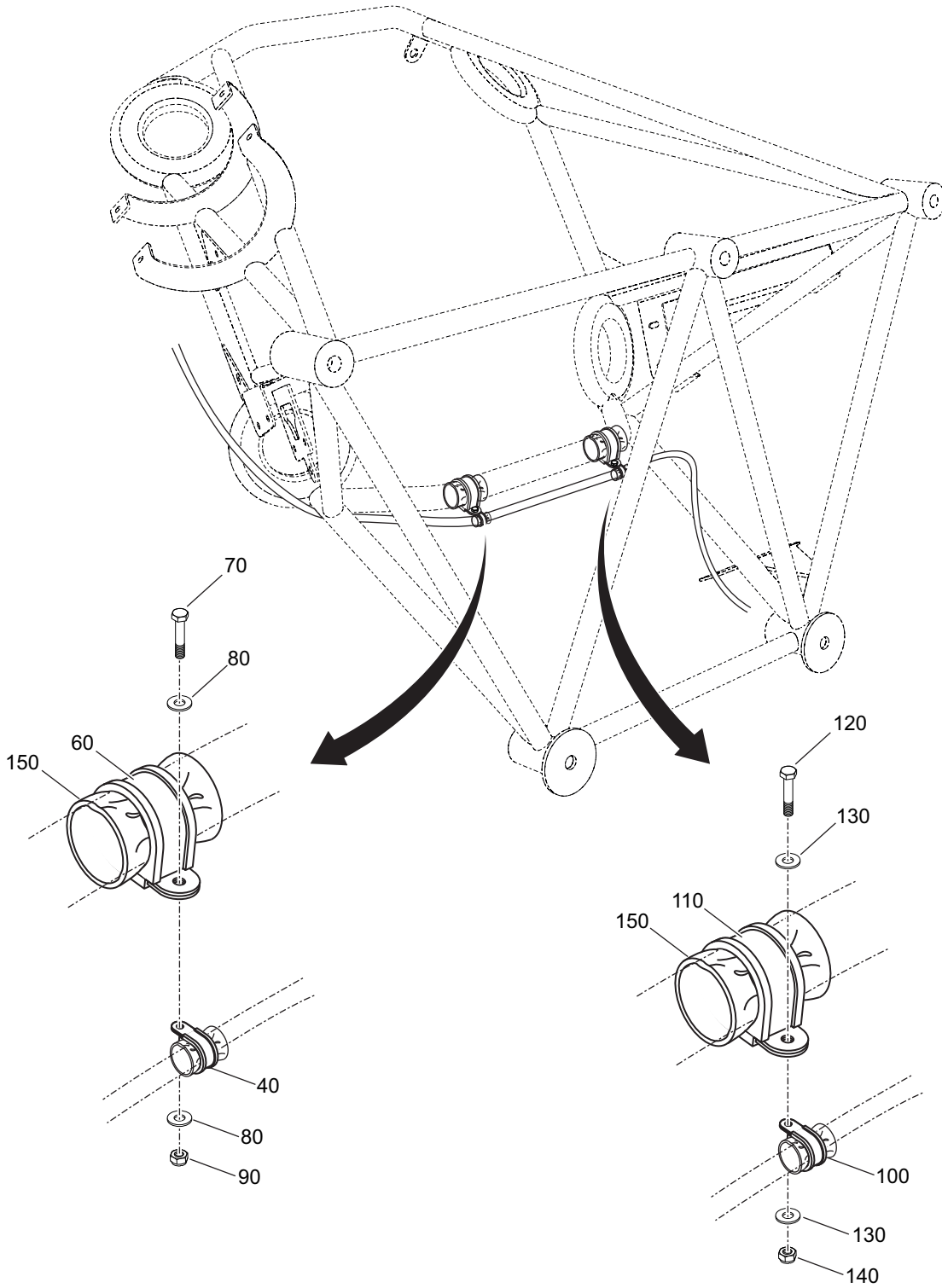


Figure 01 - Alternate Air Cable (Sheet 3 of 3)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Alternate Air Cable (LH and RH)	RF	D42L.ALL	
005	13-0403-00	. Assembly, Swivel Kit	1		
015	NAS1515H4L	. Washer, Nylon	1		
020	C61-2167-101-001	. Bracket	1		
		***Attaching Parts for item 020			
030	BSCQ-04-03	. . Rivet	3		
		***End of Attaching Parts for item 020			
040	MS21919WDG5	. Clamp, P-Type	2		
050	MS21919WDG26	. Clamp	1		
060	MS21919WDG12	. Clamp	1		
		***Attaching Parts for item 060			
070	AN3-4A	. . Bolt	2		
080	NAS1149F0332P	. . Washer	4		
090	MS21042-3	. . Nut	2		
		***End of Attaching Parts for item 060			
100	MS21919WD65	. Clamp, P-Type, RH	1		
110	MS21919WDG12	. Clamp, RH	1		
		***Attaching Parts for item 110			
120	AN3-4A	. . Bolt	1		
130	NAS1149F0332P	. . Washer	2		
140	MS21042-3	. . Nut	1		
		***End of Attaching Parts for item 110			
150	2N	. Spywrap, 0.25 In.	2		
160	T22700034	. Cable, Bowden (LH Length - 3150 mm, RH Length - 3850 mm)	1		
170	C61-7176-108-001	. Cable, Air, Alternate, LH	1		
180	C61-7176-109-002	. Cable, Air, Alternate, RH	1		

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CHAPTER 71-70

DRAINS

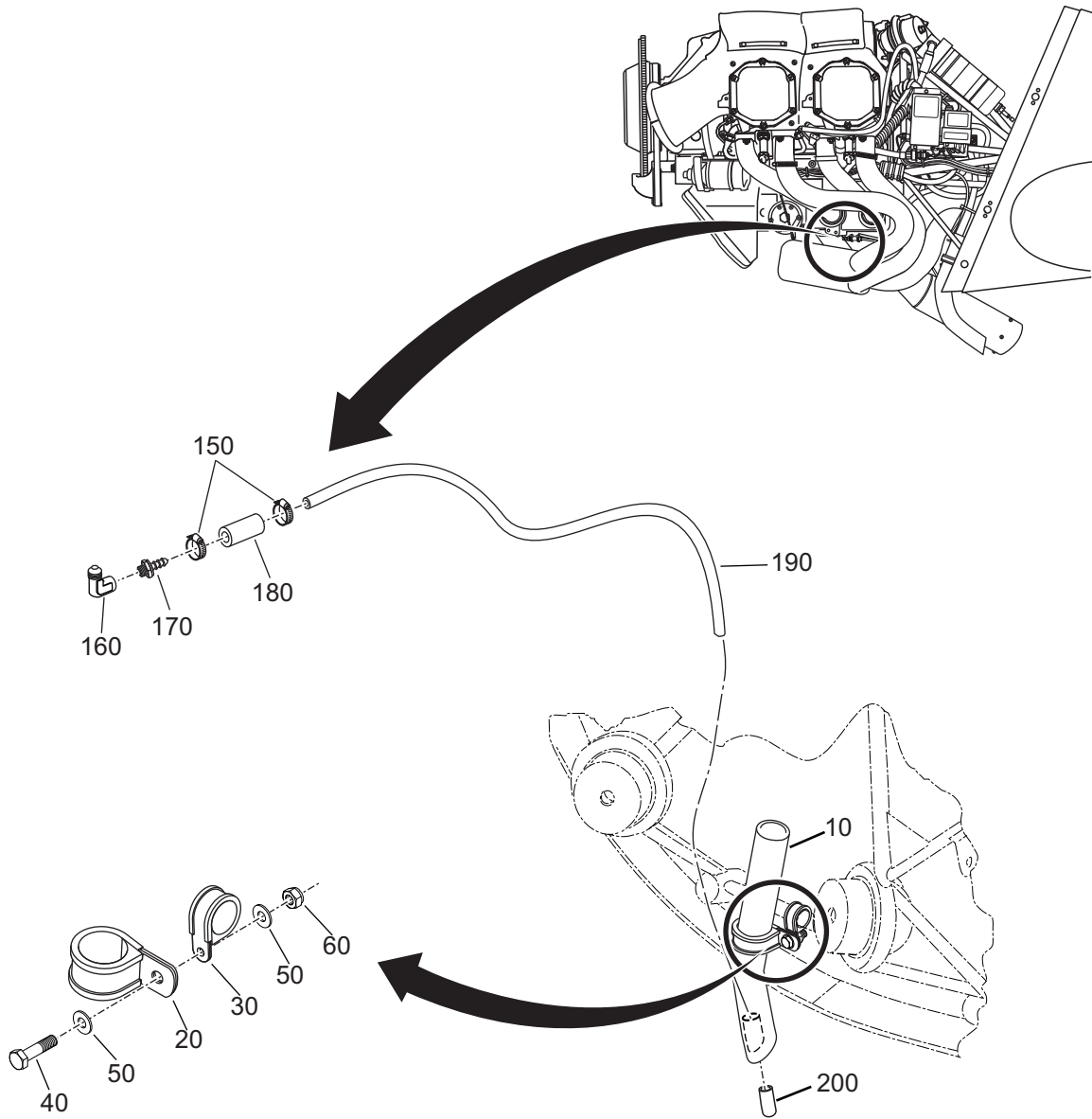


Figure 01 - Engine Drains Installation (Sheet 1 of 3)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Drains Installation (LH and RH)	RF	D42L.ALL	
010	C61-7176-102-001	. Assembly, Tube, Drain	1		
020	MS21919WDG20	. Clamp, P-Type	1		
030	MS21919WDG10	. Clamp, P-Type	1		
		****Attaching Parts for item 030			
040	DIN933-M5X16	. . Bolt	1		
050	DIN125A-M5-A2	. . Washer	2		
060	DIN980V-M5-A2	. . Nut	1		
		***End of Attaching Parts for item 030			
070	SGT-16-27-9W1	. Clamp	1		
080	306-10	. Hose, Fuel, 5/8 In Dia., 800 MM	1		
090	851-370	. Clamp	2		
100	WES4-R1-8	. Connector	1		
110	TS5	. T-Fitting	1		
120	06.5210.3004	. Hose, Viton, 720 MM	1		
130	06.5210.3004	. Hose, Viton, 150 MM	1		
140	06.5210.3004	. Hose, Viton, 260 MM	1		
150	SGT-12-20	. Clamp	2		
160	AN914-1	. Fitting, 90°	1		
170	75444	. Valve, Check, Manifold	1		
180	STD2180	. Hose, Drain, Manifold	1		
190	C61-7176-103-001	. Assembly, Sump, Tube, Drain	1		
200	65161	. Hose, Fuel	1		
200A	4219-3670	. Hose, Fuel	1		

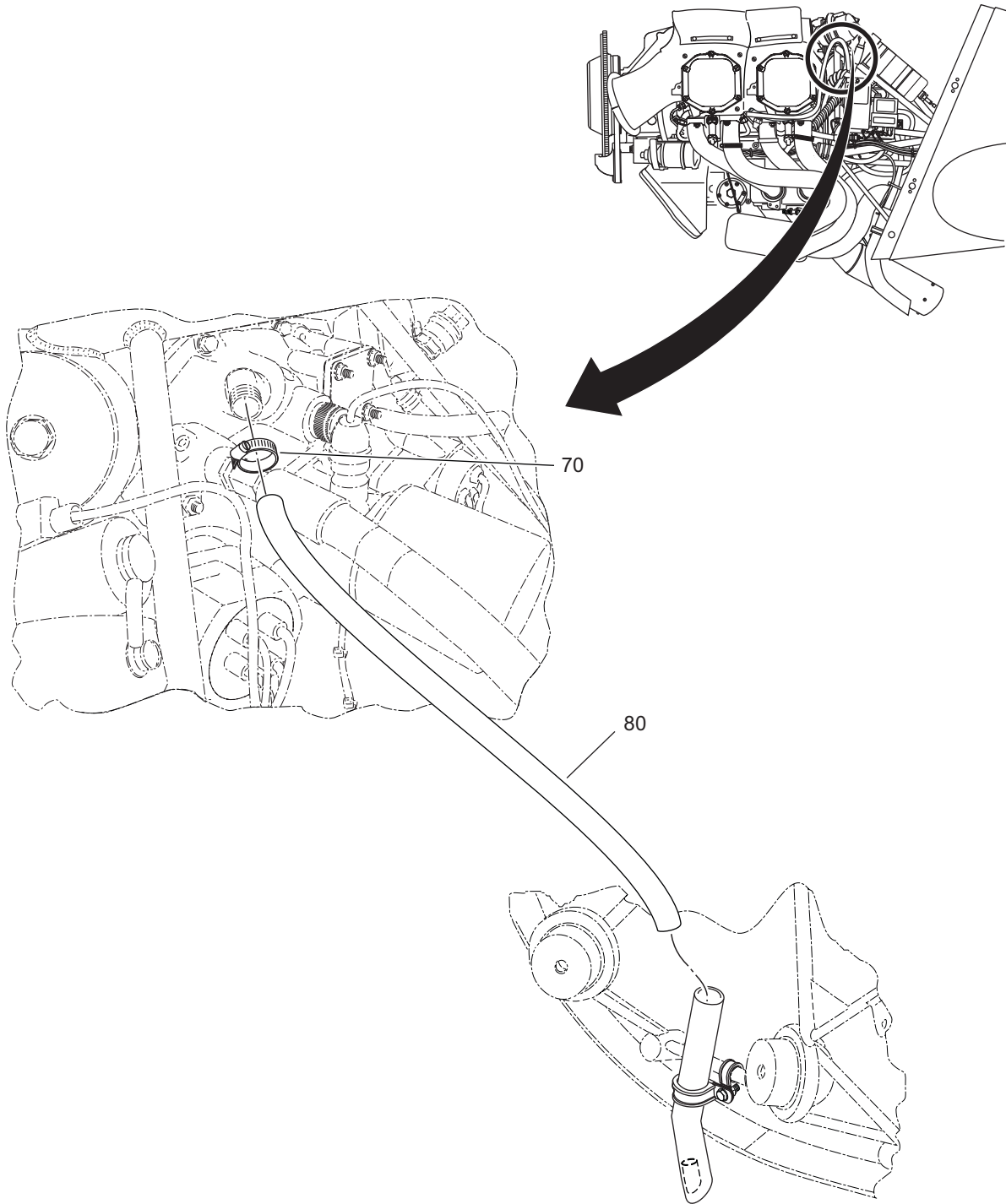


Figure 01 - Engine Drains Installation (Sheet 2 of 3)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Drains Installation (LH and RH)	RF	D42L.ALL	
010	C61-7176-102-001	. Assembly, Tube, Drain	1		
020	MS21919WDG20	. Clamp, P-Type	1		
030	MS21919WDG10	. Clamp, P-Type	1		
		****Attaching Parts for item 030			
040	DIN933-M5X16	. . Bolt	1		
050	DIN125A-M5-A2	. . Washer	2		
060	DIN980V-M5-A2	. . Nut	1		
		***End of Attaching Parts for item 030			
070	SGT-16-27-9W1	. Clamp	1		
080	306-10	. Hose, Fuel, 5/8 In Dia., 800 MM	1		
090	851-370	. Clamp	2		
100	WES4-R1-8	. Connector	1		
110	TS5	. T-Fitting	1		
120	06.5210.3004	. Hose, Viton, 720 MM	1		
130	06.5210.3004	. Hose, Viton, 150 MM	1		
140	06.5210.3004	. Hose, Viton, 260 MM	1		
150	SGT-12-20	. Clamp	2		
160	AN914-1	. Fitting, 90°	1		
170	75444	. Valve, Check, Manifold	1		
180	STD2180	. Hose, Drain, Manifold	1		
190	C61-7176-103-001	. Assembly, Sump, Tube, Drain	1		
200	65161	. Hose, Fuel	1		
200A	4219-3670	. Hose, Fuel	1		

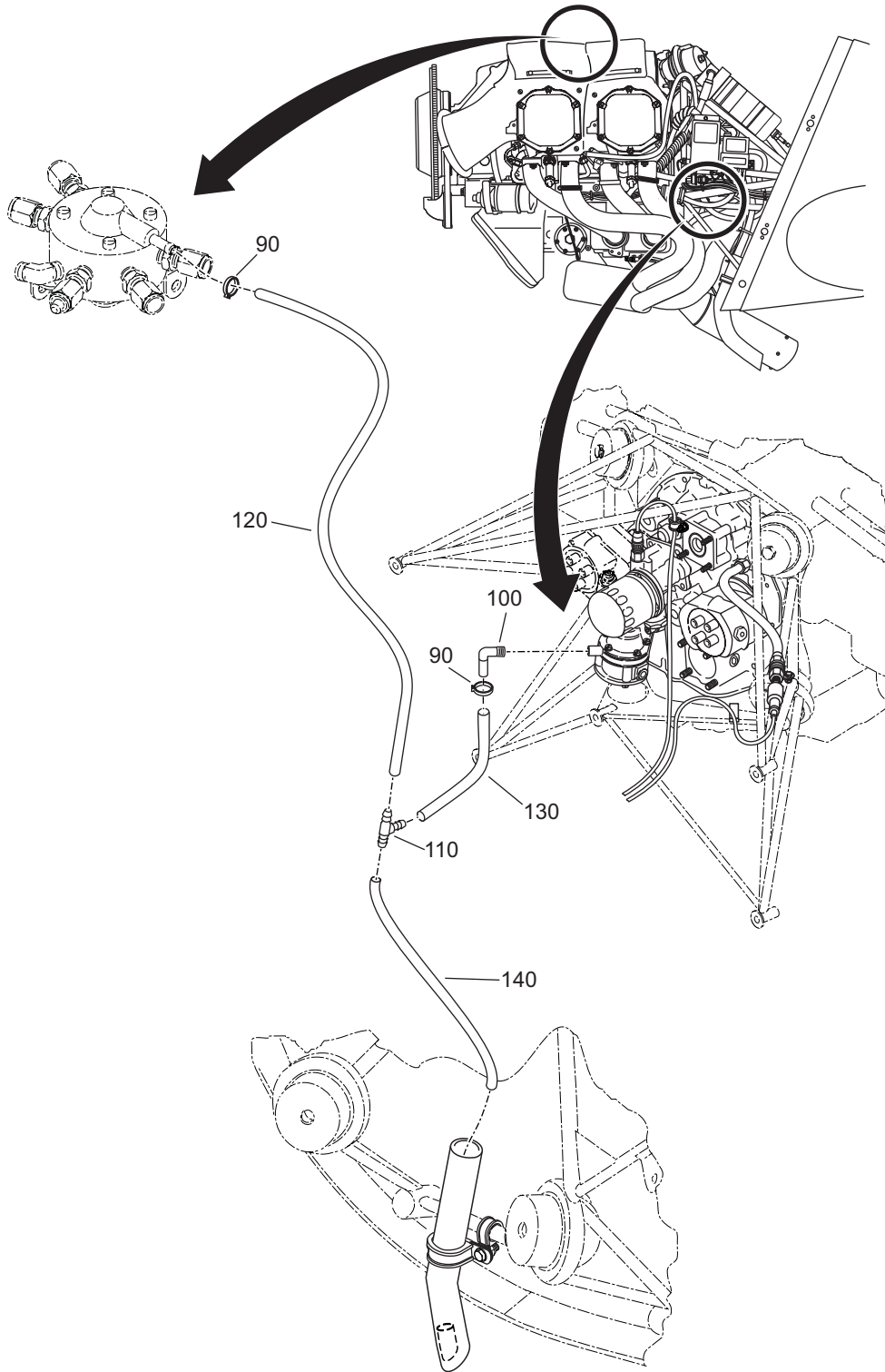


Figure 01 - Engine Drains Installation (Sheet 3 of 3)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Engine Drains Installation (LH and RH)	RF	D42L.ALL	
010	C61-7176-102-001	. Assembly, Tube, Drain	1		
020	MS21919WDG20	. Clamp, P-Type	1		
030	MS21919WDG10	. Clamp, P-Type	1		
		****Attaching Parts for item 030			
040	DIN933-M5X16	. . Bolt	1		
050	DIN125A-M5-A2	. . Washer	2		
060	DIN980V-M5-A2	. . Nut	1		
		***End of Attaching Parts for item 030			
070	SGT-16-27-9W1	. Clamp	1		
080	306-10	. Hose, Fuel, 5/8 In Dia., 800 MM	1		
090	851-370	. Clamp	2		
100	WES4-R1-8	. Connector	1		
110	TS5	. T-Fitting	1		
120	06.5210.3004	. Hose, Viton, 720 MM	1		
130	06.5210.3004	. Hose, Viton, 150 MM	1		
140	06.5210.3004	. Hose, Viton, 260 MM	1		
150	SGT-12-20	. Clamp	2		
160	AN914-1	. Fitting, 90°	1		
170	75444	. Valve, Check, Manifold	1		
180	STD2180	. Hose, Drain, Manifold	1		
190	C61-7176-103-001	. Assembly, Sump, Tube, Drain	1		
200	65161	. Hose, Fuel	1		
200A	4219-3670	. Hose, Fuel	1		

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CHAPTER 72

ENGINE

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CHAPTER 72-00

ENGINE

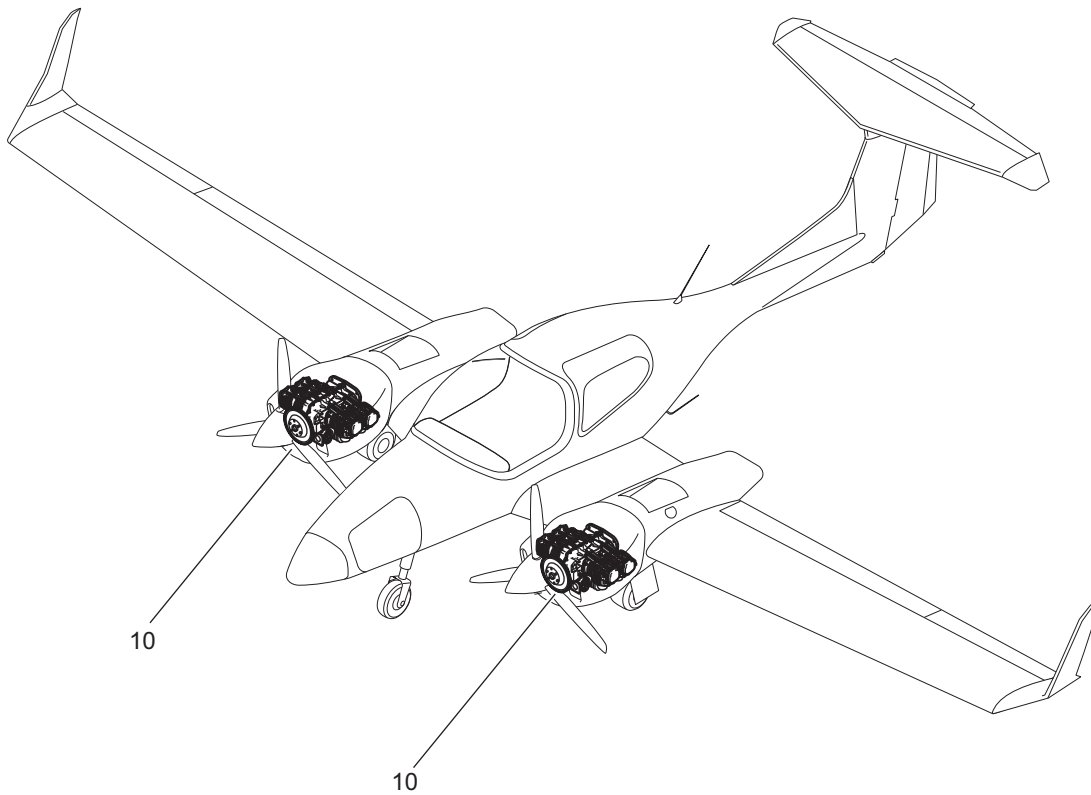


Figure 01 - Aircraft Engine

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1 010		Aircraft Engine . Engines	RF RF	D42L.ALL	

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CHAPTER 72-10

ENGINE

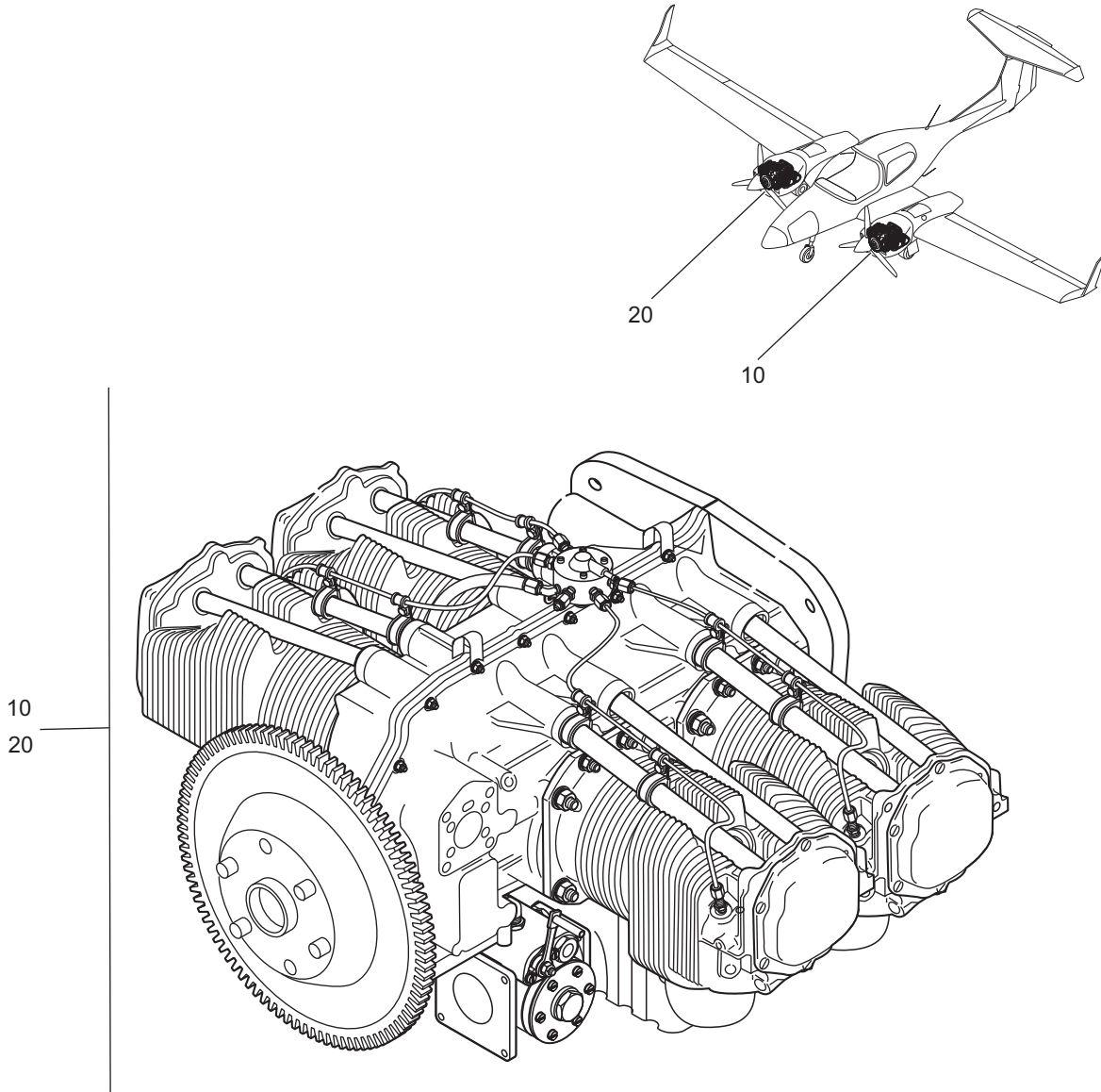


Figure 01 - Aircraft Engine

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Aircraft Engine	RF	D42L.ALL	
010	IO-360-M1A-RT10623	.Engine, Lycoming, RH Turn	1		
020	LIO-360-M1A	.Engine, Lycoming, LH Turn	1		

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CHAPTER 73

ENGINE FUEL AND CONTROL

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CHAPTER 73-10

ENGINE FUEL

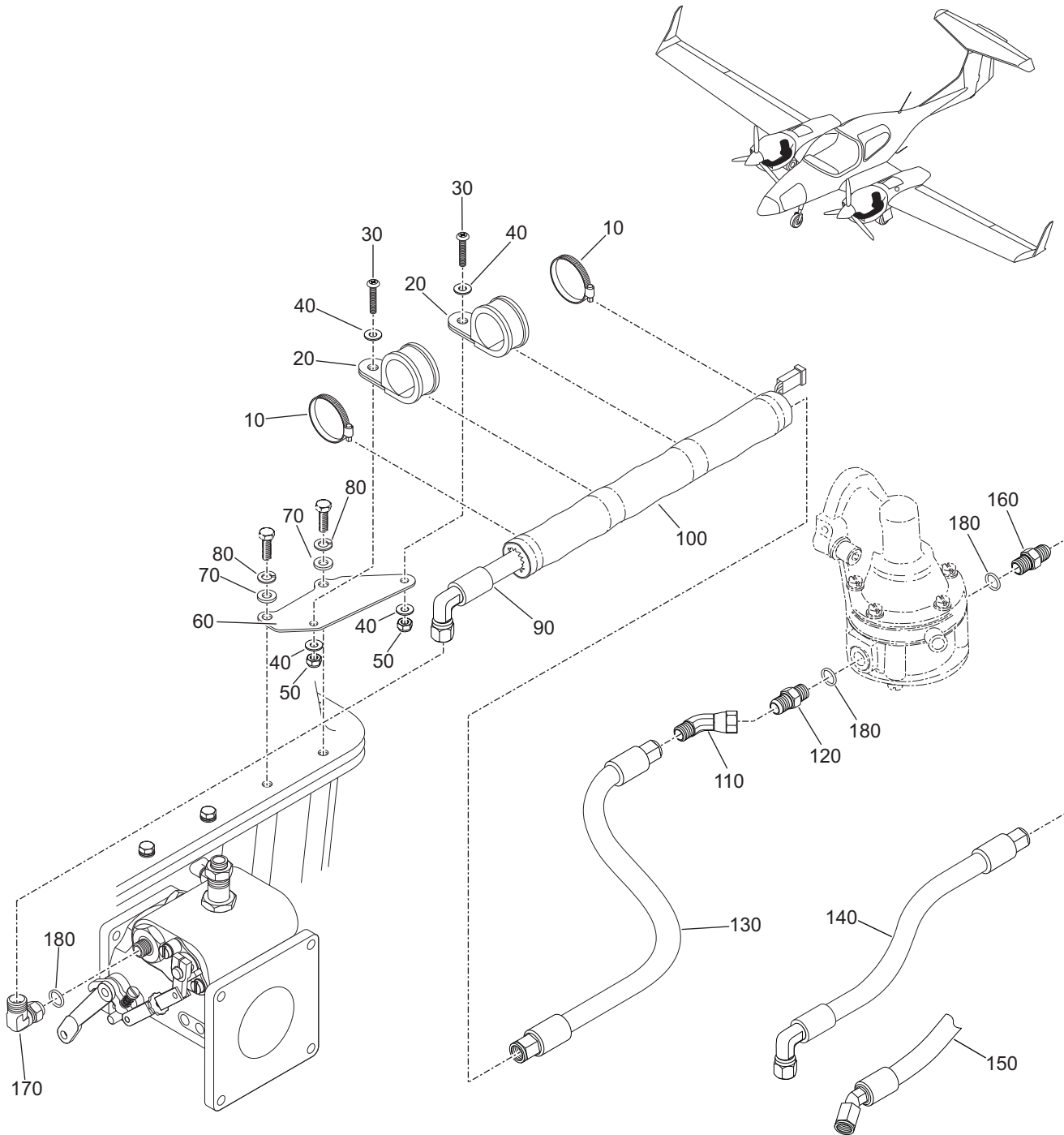


Figure 01 - Engine Fuel

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Fuel System Installation (LH or RH Engine)	RF		
010	MS35842-12	. Clamp, Hose	2		
020	MS21919WCJ19	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 020</i>			
030	MS27039C1-10	. . Screw	2		
040	AN960C10	. . Washer	4		
050	MS21046C3	. . Nut	2		
		<i>***End of Attaching Parts for item 020</i>			
060	C61-7306-103-001	. Bracket, Flow, Fuel	1		
070	AN960-416L	. Washer	2		
080	STD 160	. Washer, Lock	2		
090	AE3663163G0064	. Flexible Fuel Line	1		
100	2560-26-230	. Fire Sleeve, Type F	1		
110	P-EVW45_9_16UNF	. Fitting, 45°	1		
120	MS51525-B6	. Fitting, Straight	1		
130	AE3663161G0153	. Fuel Line, Flexible	1		
140	AE6209G0100-270	. Fuel Line, Flexible, RH	1		
150	AE3663163G0130	. Fuel Line, Flexible, LH	1		
160	MS51525-B6	. Fitting, Fuel Pump Inlet	1		
170	D41-7306-00-31	. Fitting, Fuel Filter	1		
180	951789	. O-Ring	3		

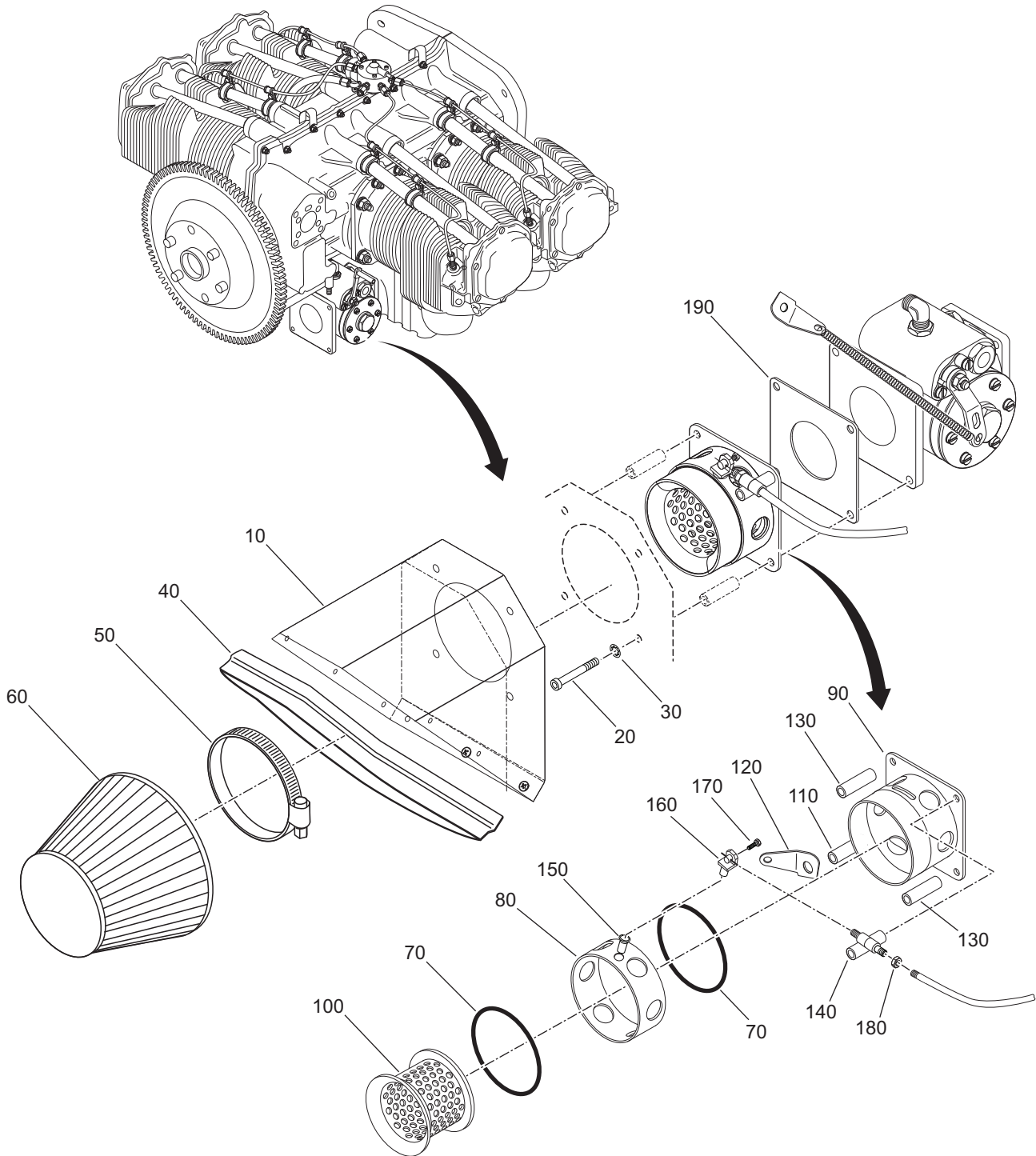


Figure 02 - Induction Installation

Fig Item	Part Number	Nomenclature	Units Per	From	To
			Assy	S/N	S/N
02-1		Induction Installation (LH or RH Engine)	1	D42L.ALL	
010	C61-7166-108-001	. Assembly, Shroud, Induction <i>***Attaching Parts for item 010</i>	1		
020	BN13	. . Bolt, Socket, Head	4		
030	DIN6797A-6.4-A2	. . Washer, Toothed <i>***End of Attaching Parts for item 010</i>	4		
040	10.2508.8961	. Rubber, Edge Protection	1		
050	80-100MM	. Clamp, Hose, 12 MM Wide	1		
060	FR-08504	. Filter	1		
070	AS-568-042	. O-Ring	2		
080	D41-7166-20-30	. Valve Body	1		
090	D41-7166-20-33	. Flange	1		
100	D41-7166-20-31	. Ring, Inlet	1		
110	BU2-10-6.5-0330-C	. Bushing	1		
120	D41-7326-00-02	. Bracket, Spring Tension	1		
130	BU2-10-6.5-0345-C	. Bushing	2		
140	C61-7166-112-001	. Guide, Cable, Push-Pull	1		
150	BU2-12-8-0025-C	. Bushing	1		
160	D41-7166-20-32	. Lever, Driving	1		
170	DAI-9071-03-01	. Screw, Set	1		
180	AN316-6	. Nut, Jam	1		
190	77504	. Gasket	1		

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CHAPTER 74 ENGINE IGNITION

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CHAPTER 74-10 ENGINE IGNITION

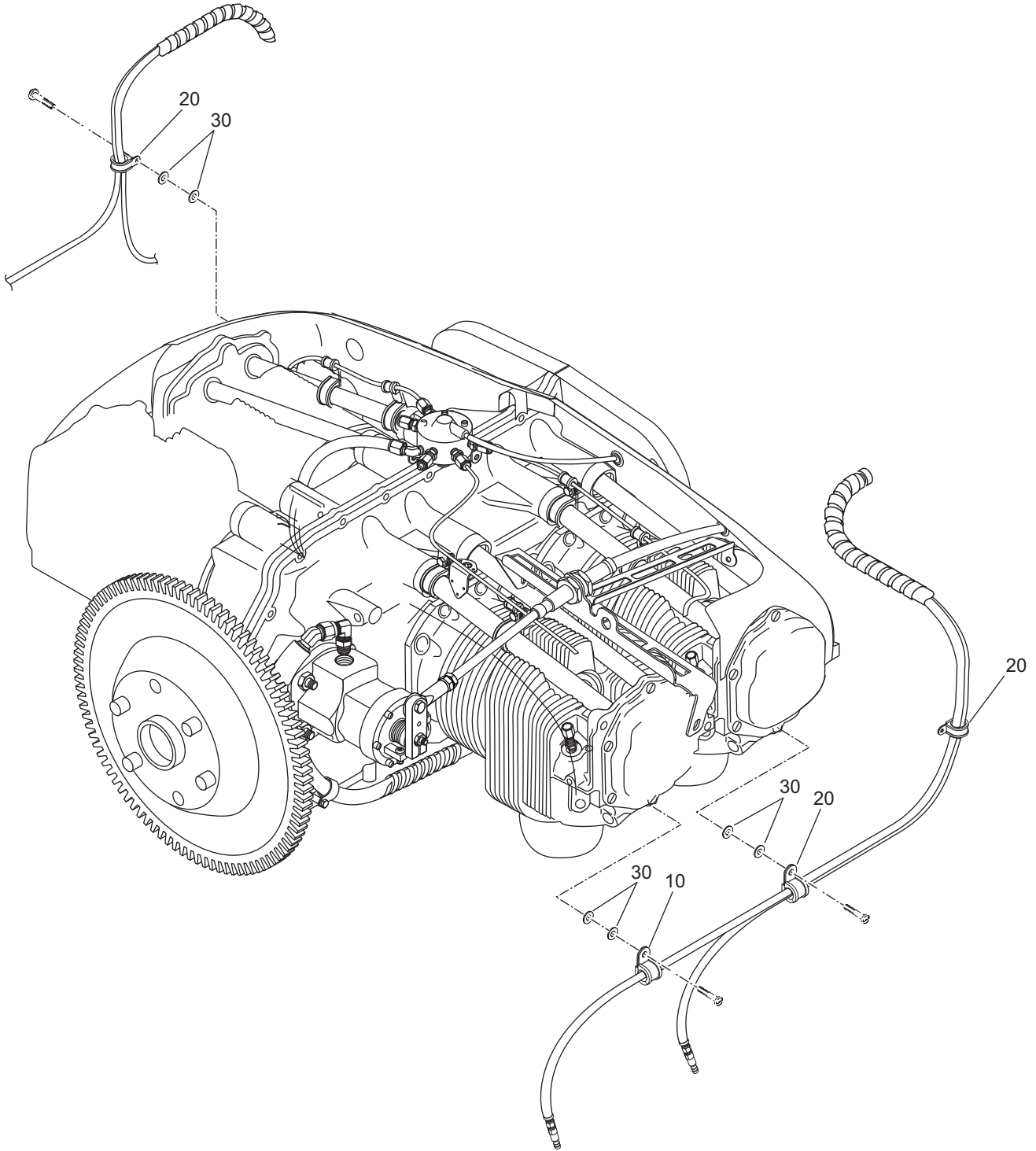


Figure 01 - Ignition Wiring Installation (Sheet 1 of 3)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Ignition Wiring Installation	RF	D42L.ALL	
010	MS21333-98	. Clamp, P-Type	2		
020	LW14060	. Clamp, P-Type	4		
		<i>***Attaching Parts for item 010 and 020</i>			
030	AN960-416	. . Washer	10		
		<i>***End of Attaching Parts for item 010 and 020</i>			
040	MS21919-WDG24	. Clamp, P-Type	1		
050	MS21919-WDG6	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 040 and 050</i>			
060	DIN933-M5x16-YZP	. . Bolt	1		
070	DIN125A-M5-A2	. . Washer	2		
080	DIN980V-M5-A2	. . Nut	1		
		<i>***End of Attaching Parts for item 040 and 050</i>			
090	MS21919-WDG10	. Clamp, P-Type	1		
100	MS21919-WDG16	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 090 and 100</i>			
110	DIN933-M5x16-YZP	. . Bolt	1		
120	DIN125A-M5-A2	. . Washer	2		
130	DIN980V-M5-A2	. . Nut	1		
		<i>***End of Attaching Parts for item 090 and 100</i>			
140	MS21919-WDG8	. Clamp, P-Type	2		
150	MS21919-WDG12	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 140 and 150</i>			
160	DIN933-M5x16-YZP	. . Bolt	2		
170	DIN125A-M5-A2	. . Washer	4		
180	DIN980V-M5-A2	. . Nut	2		
		<i>***End of Attaching Parts for item 140 and 150</i>			

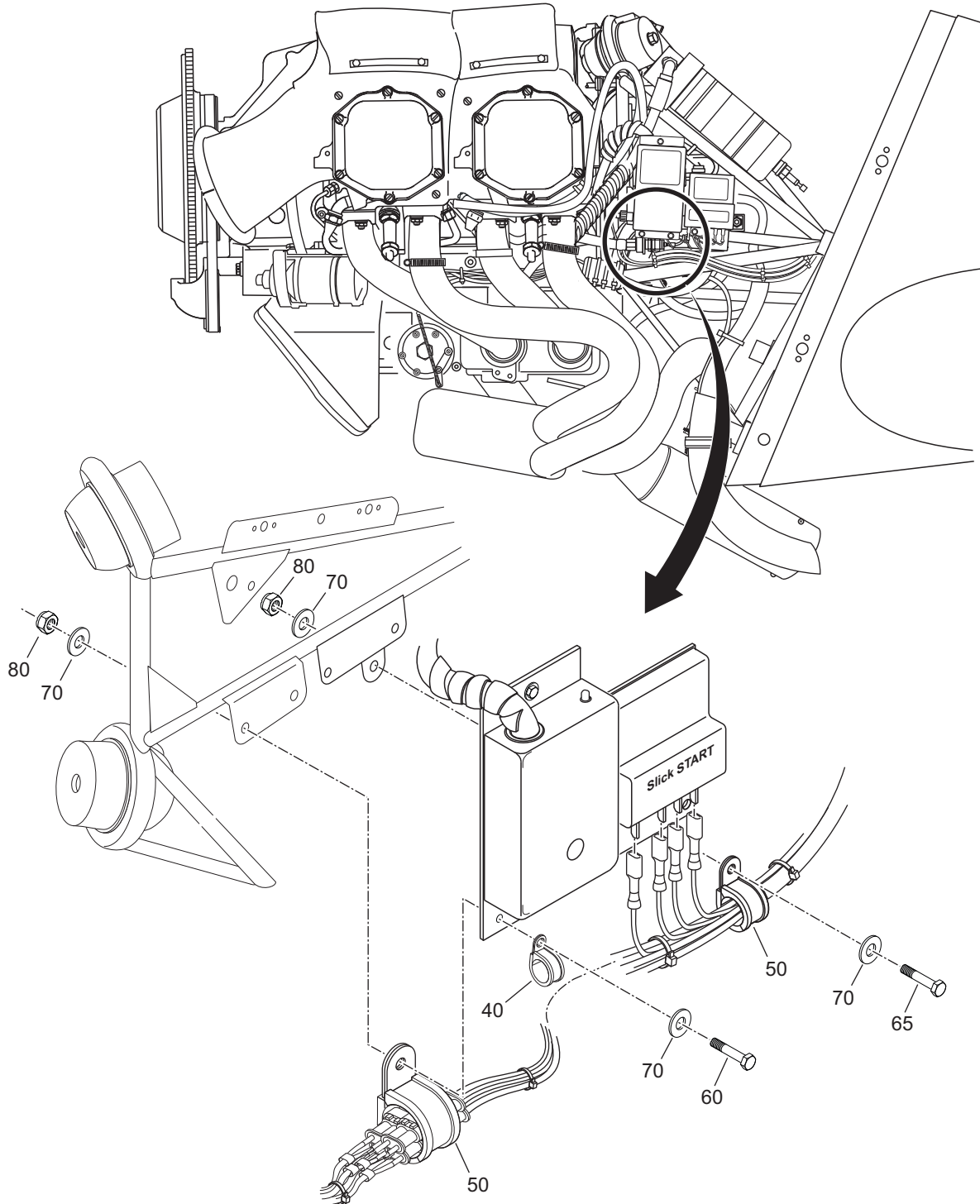


Figure 01 - Ignition Wiring Installation (Sheet 2 of 3)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Ignition Wiring Installation	RF	D42L.ALL	
010	MS21333-98	. Clamp, P-Type	2		
020	LW14060	. Clamp, P-Type	4		
		<i>***Attaching Parts for item 010 and 020</i>			
030	AN960-416	. . Washer	10		
		<i>***End of Attaching Parts for item 010 and 020</i>			
040	MS21919-WDG24	. Clamp, P-Type	1		
050	MS21919-WDG6	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 040 and 050</i>			
060	DIN933-M5x16-YZP	. . Bolt	1		
070	DIN125A-M5-A2	. . Washer	2		
080	DIN980V-M5-A2	. . Nut	1		
		<i>***End of Attaching Parts for item 040 and 050</i>			
090	MS21919-WDG10	. Clamp, P-Type	1		
100	MS21919-WDG16	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 090 and 100</i>			
110	DIN933-M5x16-YZP	. . Bolt	1		
120	DIN125A-M5-A2	. . Washer	2		
130	DIN980V-M5-A2	. . Nut	1		
		<i>***End of Attaching Parts for item 090 and 100</i>			
140	MS21919-WDG8	. Clamp, P-Type	2		
150	MS21919-WDG12	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 140 and 150</i>			
160	DIN933-M5x16-YZP	. . Bolt	2		
170	DIN125A-M5-A2	. . Washer	4		
180	DIN980V-M5-A2	. . Nut	2		
		<i>***End of Attaching Parts for item 140 and 150</i>			

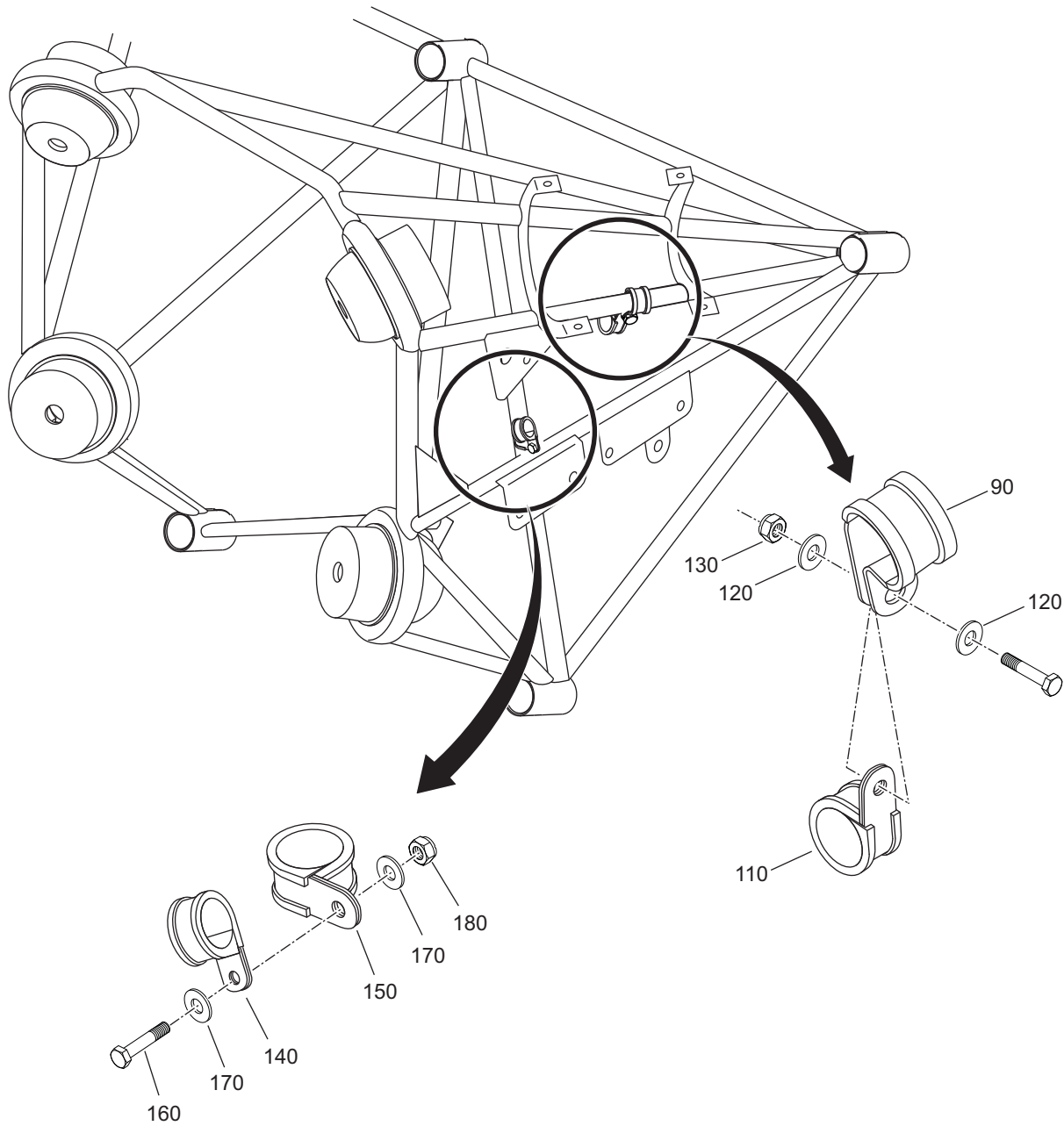


Figure 01 - Ignition Wiring Installation (Sheet 3 of 3)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Ignition Wiring Installation	RF	D42L.ALL	
010	MS21333-98	. Clamp, P-Type	2		
020	LW14060	. Clamp, P-Type	4		
		<i>***Attaching Parts for item 010 and 020</i>			
030	AN960-416	. . Washer	10		
		<i>***End of Attaching Parts for item 010 and 020</i>			
040	MS21919-WDG24	. Clamp, P-Type	1		
050	MS21919-WDG6	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 040 and 050</i>			
060	DIN933-M5x16-YZP	. . Bolt	1		
070	DIN125A-M5-A2	. . Washer	2		
080	DIN980V-M5-A2	. . Nut	1		
		<i>***End of Attaching Parts for item 040 and 050</i>			
090	MS21919-WDG10	. Clamp, P-Type	1		
100	MS21919-WDG16	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 090 and 100</i>			
110	DIN933-M5x16-YZP	. . Bolt	1		
120	DIN125A-M5-A2	. . Washer	2		
130	DIN980V-M5-A2	. . Nut	1		
		<i>***End of Attaching Parts for item 090 and 100</i>			
140	MS21919-WDG8	. Clamp, P-Type	2		
150	MS21919-WDG12	. Clamp, P-Type	2		
		<i>***Attaching Parts for item 140 and 150</i>			
160	DIN933-M5x16-YZP	. . Bolt	2		
170	DIN125A-M5-A2	. . Washer	4		
180	DIN980V-M5-A2	. . Nut	2		
		<i>***End of Attaching Parts for item 140 and 150</i>			

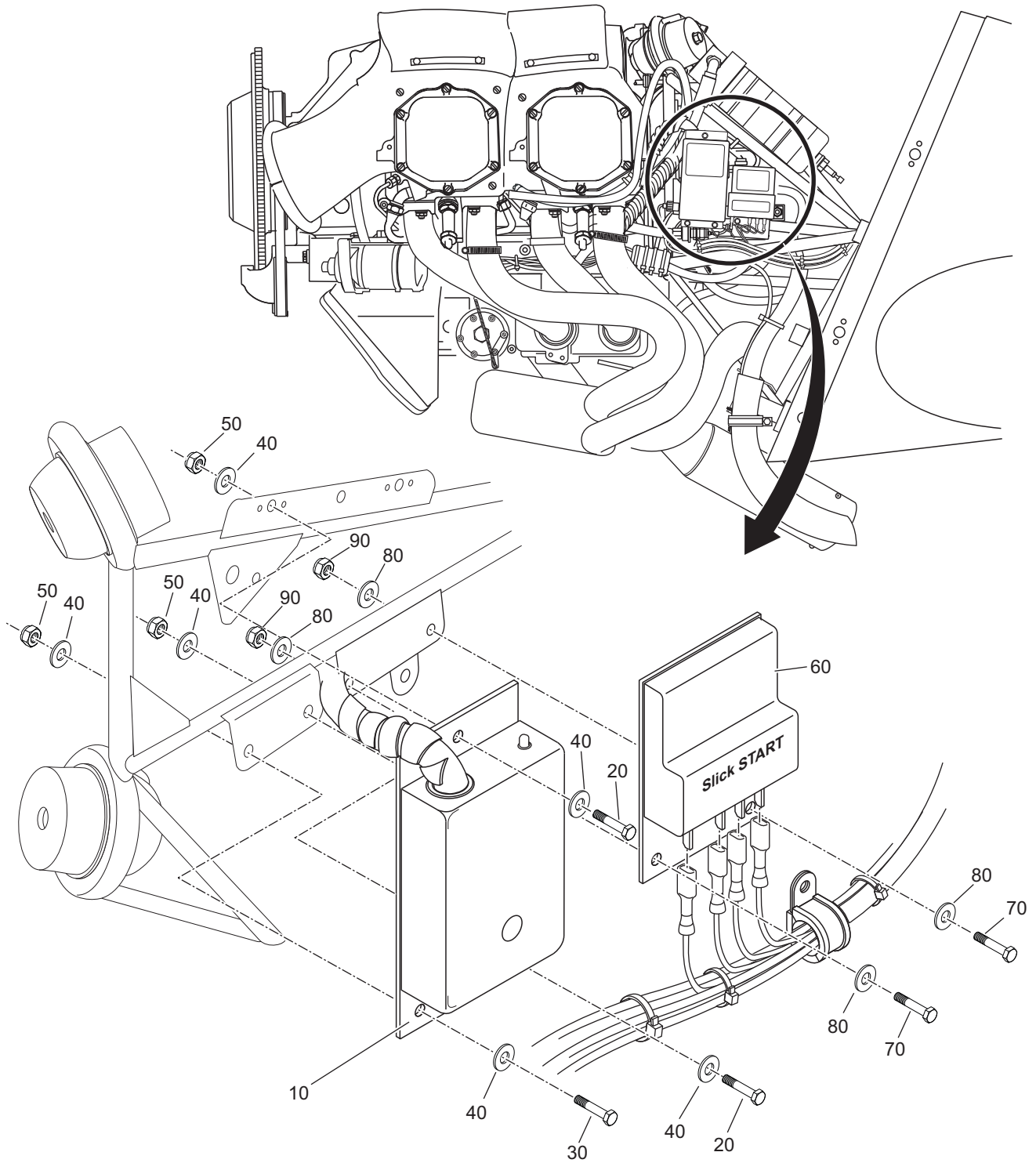


Figure 02 - Slick Start Module and Voltage Regulator Installation

Fig Item	Part Number	Nomenclature	Units Per	From S/N	To S/N
			Assy		
02-1		SlickStart Module and Voltage Regulator Installation	RF	D42L.ALL	
010	VR2000-28-2	. Regulator, Voltage, 28V <i>***Attaching Parts for item 010</i>	1		
020	LN9037-M5x12	. . Bolt	2		
030	DIN933-M5x16-YZP	. . Bolt	1		
040	DIN125A-M5-A2	. . Washer	6		
050	DIN980V-M5-A2	. . Nut <i>***End of Attaching Parts for item 010</i>	3		
060	KS1001	. Slickstart Module <i>***Attaching Parts for item 060</i>	1		
070	DIN933-M5x12-ZP	. . Screw, Set, Socket	2		
080	DIN125A-M5-A2	. . Washer	4		
090	DIN980V-M5-A2	. . Nut <i>***End of Attaching Parts for item 060</i>	2		

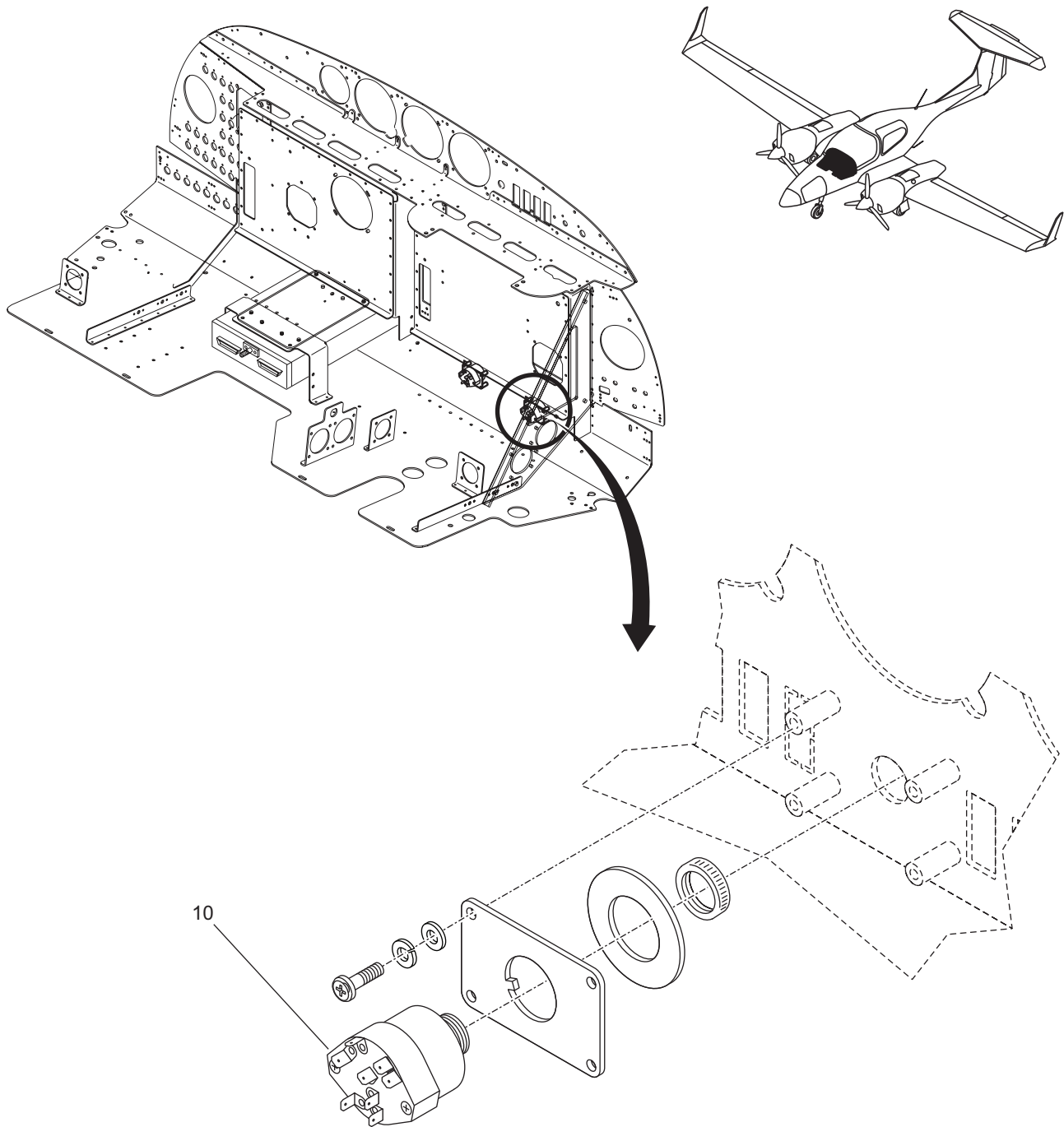


Figure 03 - Ignition Switch Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
03-1		Ignition Switch Installation	RF	D42L.ALL	
010	A510-2	. Switch, Ignition	2		

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CHAPTER 75 ENGINE COOLING

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CHAPTER 75-10

ENGINE COOLING SYSTEM

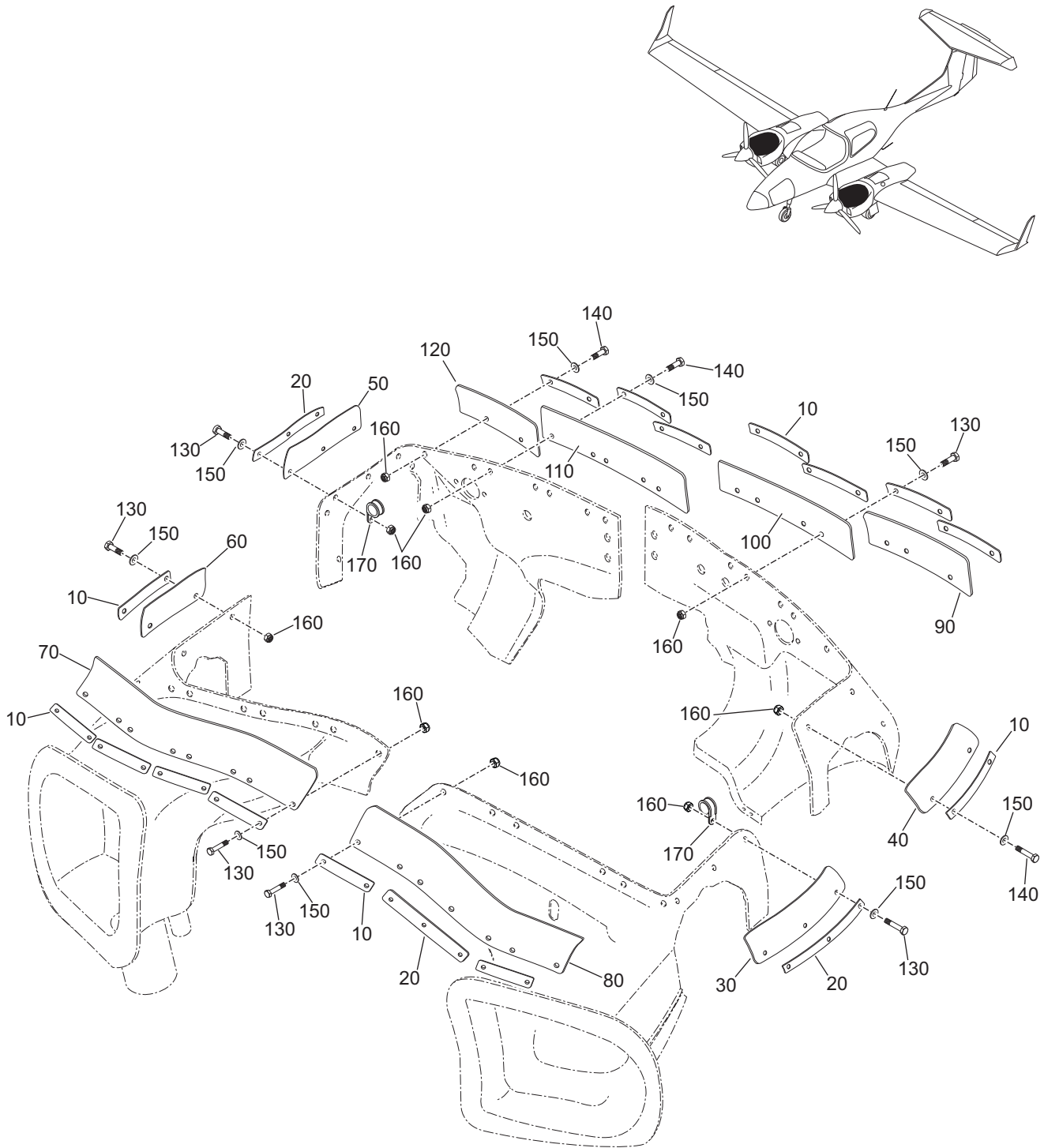


Figure 01 - Baffle Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Baffle Seal Installation (LH and RH Engine)	RF	D42L.ALL	
010	D41-7166-10-01	. Plate 1	15		
020	D41-7166-10-02	. Plate 2	3		
030	C61-7166-119-001	. Baffle Seal, Front, LH	1		
040	C61-7166-120-001	. Baffle Seal, Rear, RH	1		
050	C61-7166-122-001	. Baffle Seal, Rear, RH	1		
060	C61-7166-121-001	. Baffle Seal, Front, RH	1		
070	C61-7166-114-001	. Baffle Seal, Fwd, RH	1		
080	C61-7166-113-001	. Baffle Seal, Fwd, LH	1		
090	C61-7166-115-001	. Baffle Seal, Aft, LH	1		
100	C61-7166-116-001	. Baffle Seal, Aft, Center, LH	1		
110	C61-7166-118-001	. Baffle Seal, Aft, Center, RH	1		
120	C61-7166-117-001	. Baffle, Seal, Aft, RH	1		
		<i>***Attaching Parts for item 120</i>			
130	LN9037-M4x12	. . Bolt, Hex	37		
140	LN9037-M4x14	. . Bolt, Hex	3		
150	DIN9021-M4-A2	. . Washer	40		
160	DIN980V-M4-A2	. . Locknut	40		
		<i>***End of Attaching Parts for item 120</i>			
170	MS21919WDG5	. Clamp, P-Type	2		

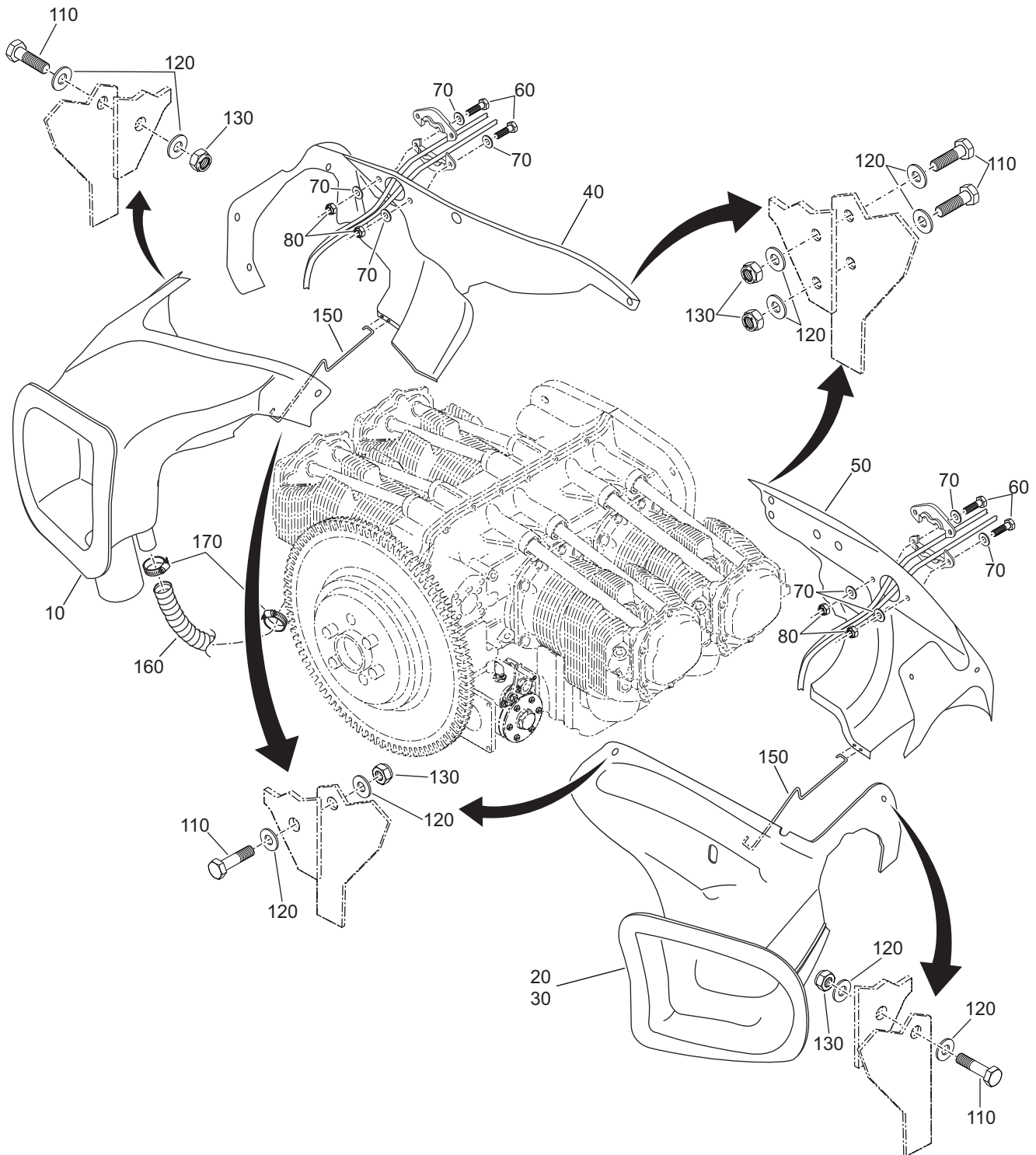


Figure 02 - Baffle Cylinder Installation (Sheet 1 of 2)

Fig Item	Part Number	Nomenclature	Units Per	From	To
			Assy	S/N	S/N
02-1		Baffle Cylinder Installation (LH and RH Engine)	RF	D42L.ALL	
010	C61-7166-103-001	. Cylinder, Baffle, #1	1		
020	C61-7166-104-001	. Cylinder, Baffle, #2, LH	1		
030	C61-7166-104-002	. Cylinder, Baffle, #2, RH	1		
040	C61-7166-105-001	. Cylinder, Baffle, #3	1		
050	C61-7166-106-001	. Cylinder, Baffle, #4	1		
060	DIN933-M5x12	. Bolt, Hex	4		
070	DIN9021-M5-A2	. Washer	8		
080	DIN980V-M5-A2	. Locknut	4		
090	STD-1874	. Screw	7		
100	AN960-416L	. Washer	7		
110	LN9037-M4x12	. Bolt, Hex	5		
120	DIN9021-M4-A2	. Washer	10		
130	DIN980V-M4-A2	. Locknut	5		
140	RB227	. Grommet	4		
150	D41-7166-10-80	. Rod, Retaining, Baffle	2		
160	CAT4	. Hose, Aeroduct, 1.0 In. Dia. (300 mm Long)	1		
170	SGT-16-27-9W1	. Clamp, Hose	2		

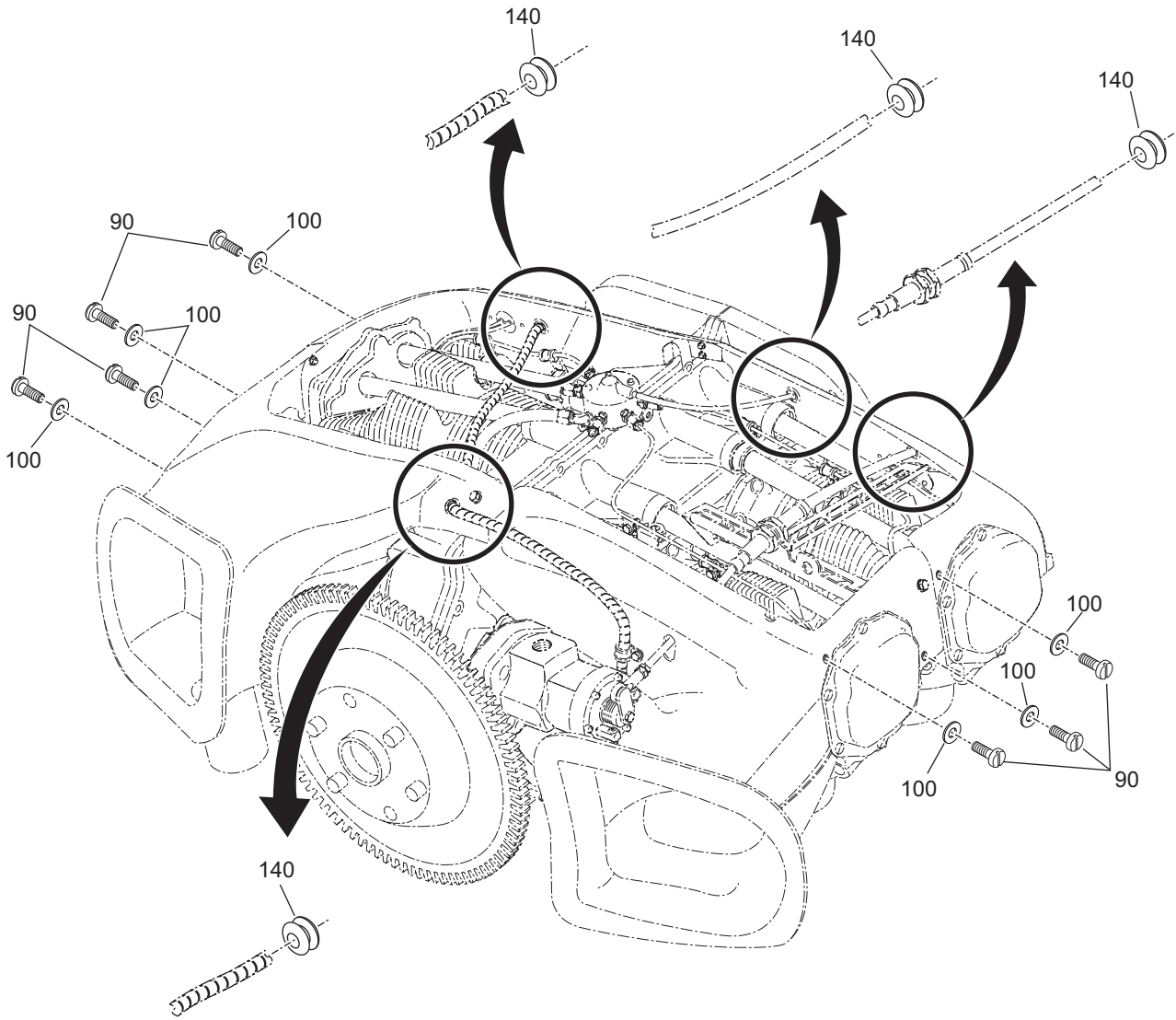


Figure 02 - Baffle Cylinder Installation (Sheet 2 of 2)

Fig Item	Part Number	Nomenclature	Units Per	From	To
			Assy	S/N	S/N
02-1		Baffle Cylinder Installation (LH and RH Engine)	RF	D42L.ALL	
010	C61-7166-103-001	. Cylinder, Baffle, #1	1		
020	C61-7166-104-001	. Cylinder, Baffle, #2, LH	1		
030	C61-7166-104-002	. Cylinder, Baffle, #2, RH	1		
040	C61-7166-105-001	. Cylinder, Baffle, #3	1		
050	C61-7166-106-001	. Cylinder, Baffle, #4	1		
060	DIN933-M5x12	. Bolt, Hex	4		
070	DIN9021-M5-A2	. Washer	8		
080	DIN980V-M5-A2	. Locknut	4		
090	STD-1874	. Screw	7		
100	AN960-416L	. Washer	7		
110	LN9037-M4x12	. Bolt, Hex	5		
120	DIN9021-M4-A2	. Washer	10		
130	DIN980V-M4-A2	. Locknut	5		
140	RB227	. Grommet	4		
150	D41-7166-10-80	. Rod, Retaining, Baffle	2		
160	CAT4	. Hose, Aeroduct, 1.0 In. Dia. (300 mm Long)	1		
170	SGT-16-27-9W1	. Clamp, Hose	2		

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CHAPTER 76 ENGINE CONTROLS

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CHAPTER 76-10 ENGINE CONTROLS

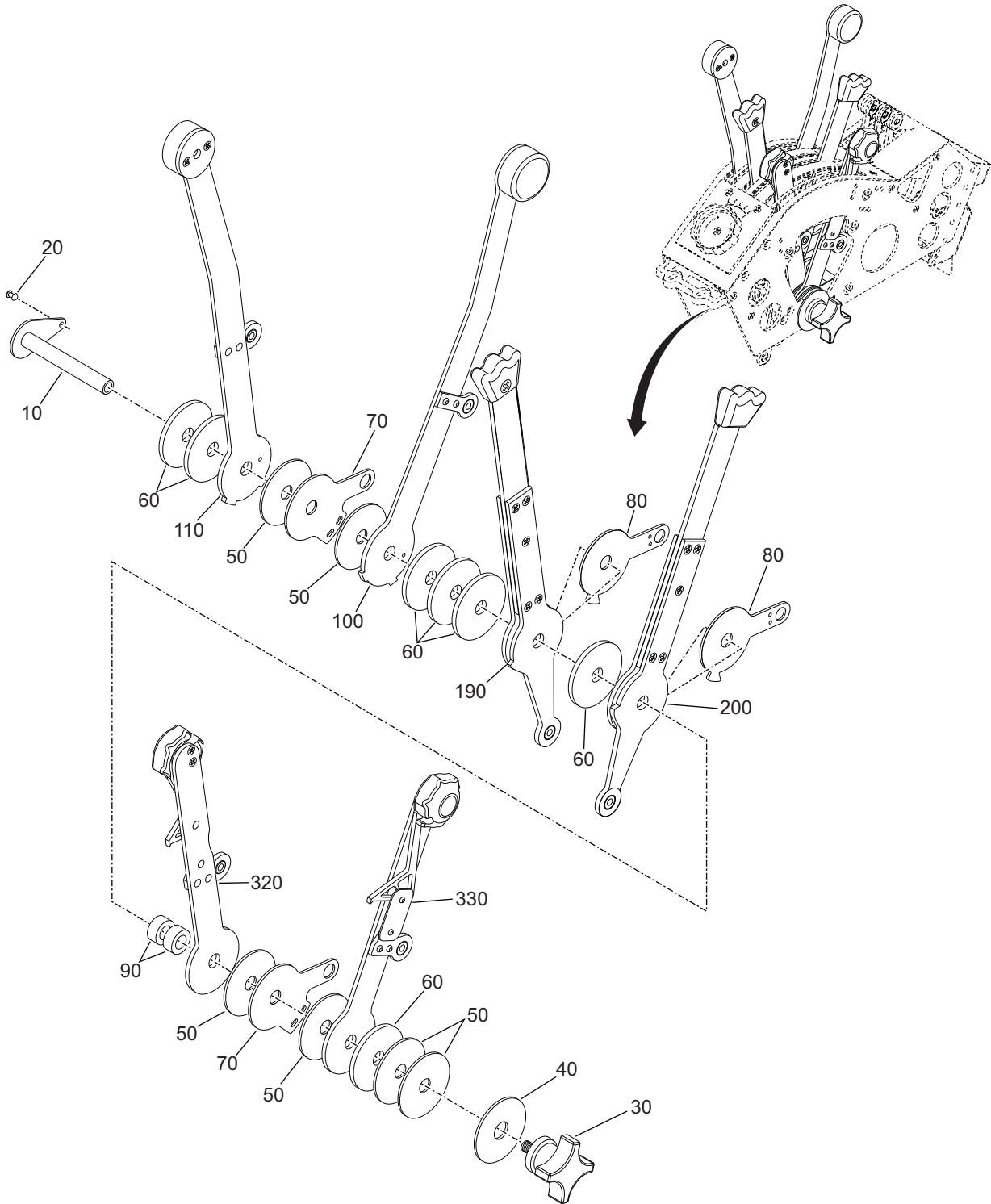


Figure 01 - Engine Controls (Sheet 1 of 3)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Controls	RF	D42L.ALL	
010	C61-7613-140-001	. Assembly, Quadrant Shaft ***Attaching Parts for item 010	1		
020	BSPQ-43	. . Rivet ***End of Attaching Parts for item 010	1		
030	22-3111-12-00	. Knob, Adjust, Friction	1		
040	C61-7613-164-001	. Spacer, Link, Thin, Friction, Knob	1		
050	C61-7613-145-001	. Spacer, Link, Thin	6		
060	C61-7613-144-001	. Spacer, Link, Thick	7		
070	C61-7613-112-001	. Plate, Lock, Throttle	2		
080	C61-7613-124-001	. Lever, Detent, Propeller	2		
090	BU2-19-9.4-0090-B	. Bushing	2		
100	C61-7613-103-003	. Assembly, Lever, Throttle, LH	1		
110	C61-7613-103-004	. Assembly, Lever, Throttle, RH	1		
120	C61-7613-171-001	. . Knob ***Attaching Parts for item 120	2		
130	MS24693-C3	. . . Screw ***End of Attaching Parts for item 120	4		
140	C61-7613-108-001	. . Plate, Link, Throttle ***Attaching Parts for item 140	2		
150	MS20426AD4-7	. . . Rivet ***End of Attaching Parts for item 140	4		
160	NAS72-3-002	. . Bushing	2		
170	C61-7613-105-003	. . Lever, Throttle, LH	1		
180	C61-7613-105-004	. . Lever, Throttle, RH	1		
190	C61-7613-120-003	. Assembly, Control, Propeller, LH	1		
200	C61-7613-120-004	. Assembly, Control, Propeller, RH	1		

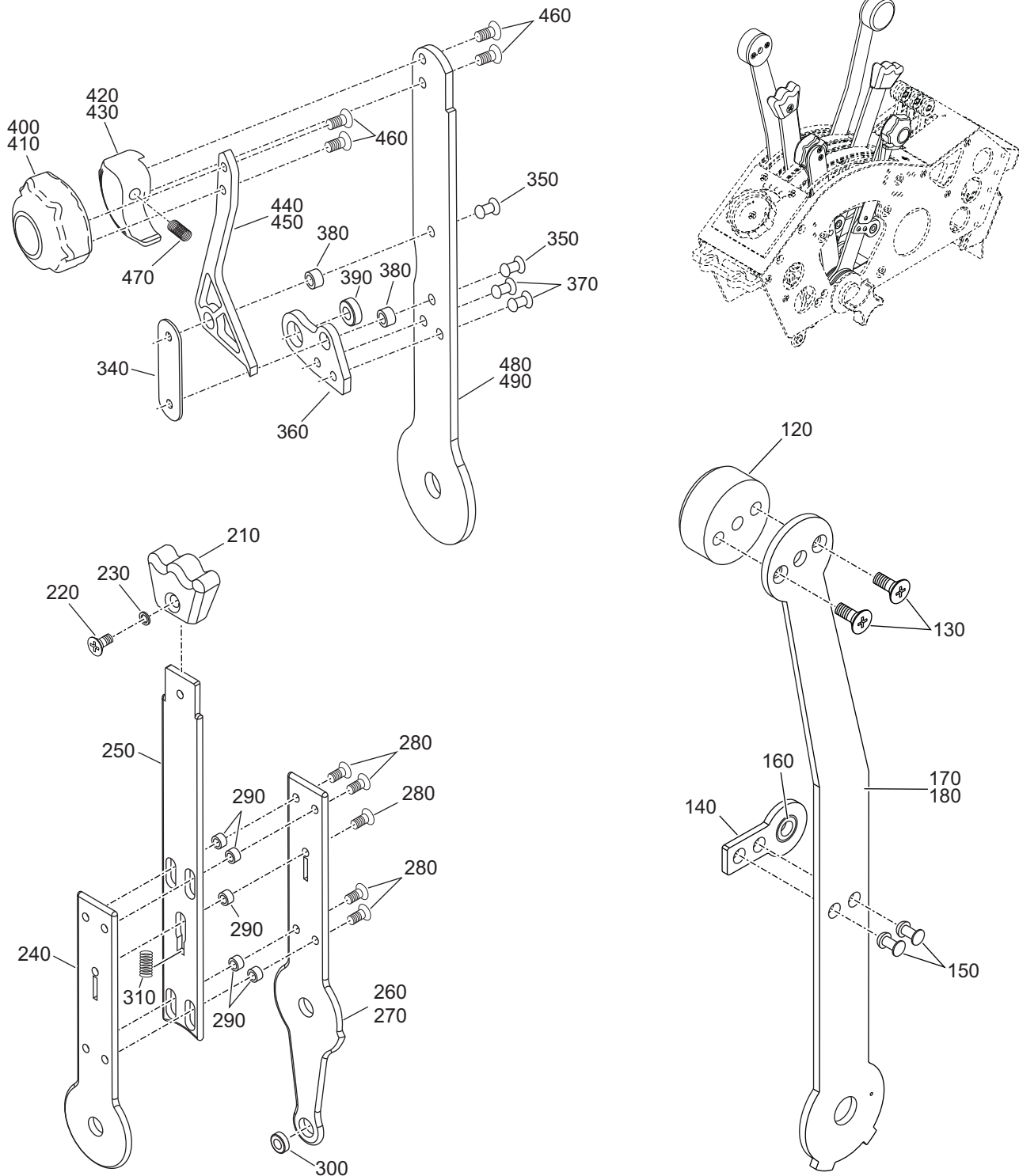


Figure 01 - Engine Controls (Sheet 2 of 3)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Engine Controls	RF	D42L.ALL	
210	C61-7613-155-001	. . Knob, Propeller <i>***Attaching Parts for item 210</i>	2		
220	MS24693-C270	. . . Screw	2		
230	NAS1149F0332P	. . . Washer <i>***End of Attaching Parts for item 210</i>	2		
240	C61-7613-121-001	. . Plate, Link, Propeller	2		
250	C61-7613-119-003	. . Lever, Propeller	2		
260	C61-7613-122-001	. . Lever, Cable, Propeller, LH	1		
270	C61-7613-122-002	. . Lever, Cable, Propeller, RH <i>***Attaching Parts for item 270</i>	1		
280	MS24694-C3	. . . Screw	10		
290	22-7611-60-03	. . . Spacer, Mixture, Lockout <i>***End of Attaching Parts for item 270</i>	10		
300	NAS72-3-002	. . Bushing	2		
310	610-035	. . Spring, 20 MM Length	2		
320	C61-7613-137-003	. Assembly, Lever, Mixture, LH	1		
330	C61-7613-137-004	. Assembly, Lever, Mixture, RH	1		
340	C61-7613-138-001	. . Plate, Ratchet, Mixture <i>***Attaching Parts for item 340</i>	1		
350	MS20426AD4-7	. . . Rivet <i>***End of Attaching Parts for item 340</i>	2		
360	C61-7613-136-003	. . . Plate, Link, Mixture <i>***Attaching Parts for item 360</i>	1		
370	MS20426AD4-6	. . . Rivet <i>***End of Attaching Parts for item 360</i>	2		
380	C61-7613-162-001	. . Spacer, Mixture, Lockout	2		
390	NAS72-3-002	. . Bushing	1		

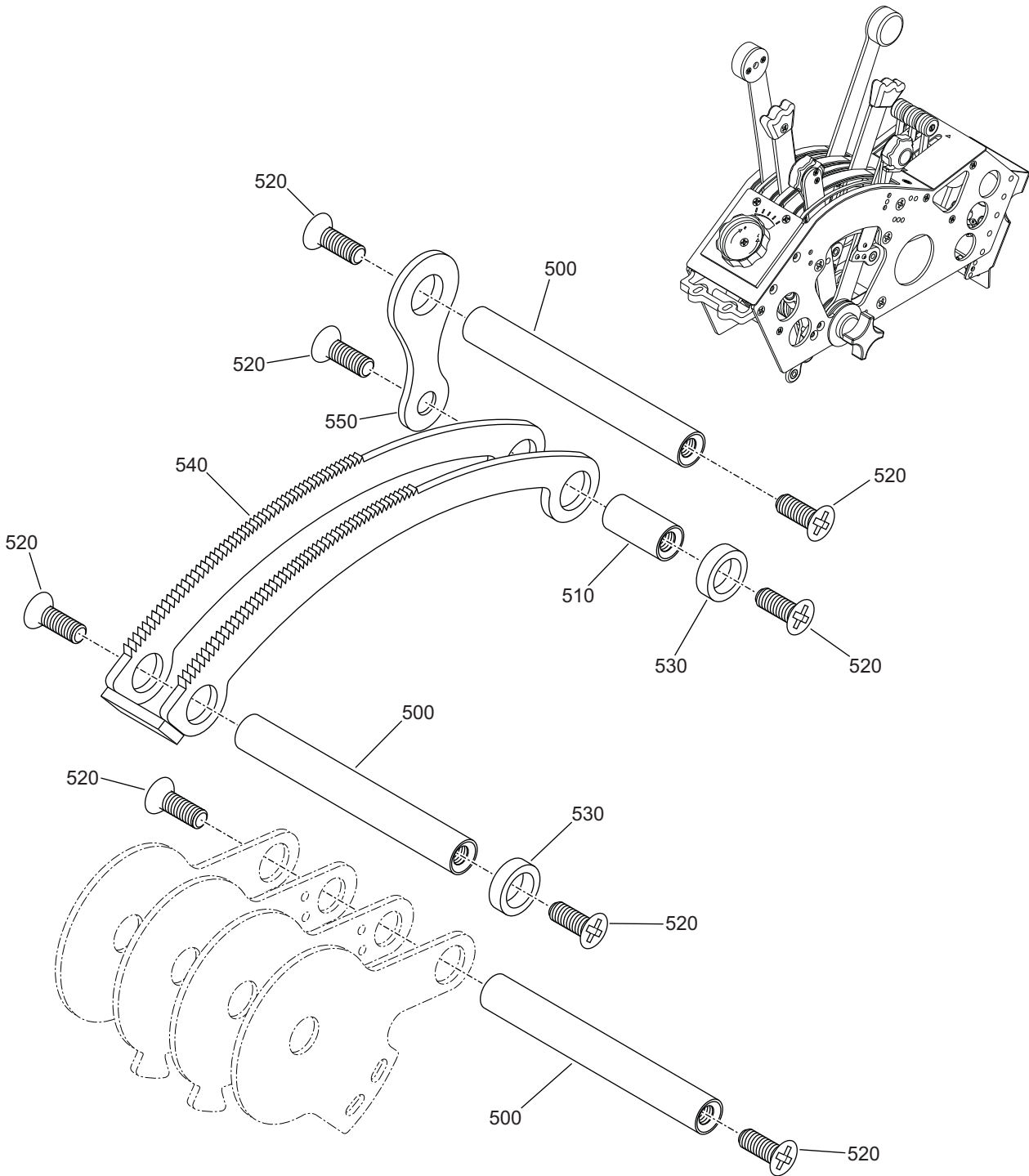


Figure 01 - Engine Controls (Sheet 3 of 3)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Engine Controls	RF	D42L.ALL	
400	C61-7613-142-001	. . Knob, Half, Mixture, LH	1		
410	C61-7613-142-002	. . Knob, Half, Mixture, RH	1		
420	C61-7613-141-001	. . Knob, Half, Mixture, LH	1		
430	C61-7613-141-002	. . Knob, Half, Mixture, RH	1		
440	C61-7613-143-001	. . Mixture Detent, LH	1		
450	C61-7613-143-002	. . Mixture Detent, RH	1		
		<i>***Attaching Parts for item 440 and 450</i>			
460	MS24693-C3	. . . Screw	4		
		<i>***End of Attaching Parts for item 440 and 450</i>			
470	610-035	. . Spring, 15 MM Length	1		
480	C61-7613-139-003	. . Lever, Mixture, LH	1		
490	C61-7613-139-004	. . Lever, Mixture, RH	1		
500	C61-7613-116-001	. Spacer, Connector, Frame	3		
510	C61-7613-163-001	. Bushing, Mixture Stop	1		
		<i>***Attaching Parts for item 510</i>			
520	NAS7604U2	. . Screw	8		
		<i>***End of Attaching Parts for item 510</i>			
530	BU2-14-10-0040-C	. Bushing	2		
540	C61-7613-167-001	. Assembly, Rack, Mixture	1		
550	C61-7613--161-001	. Arm, Connecting, Stop	1		

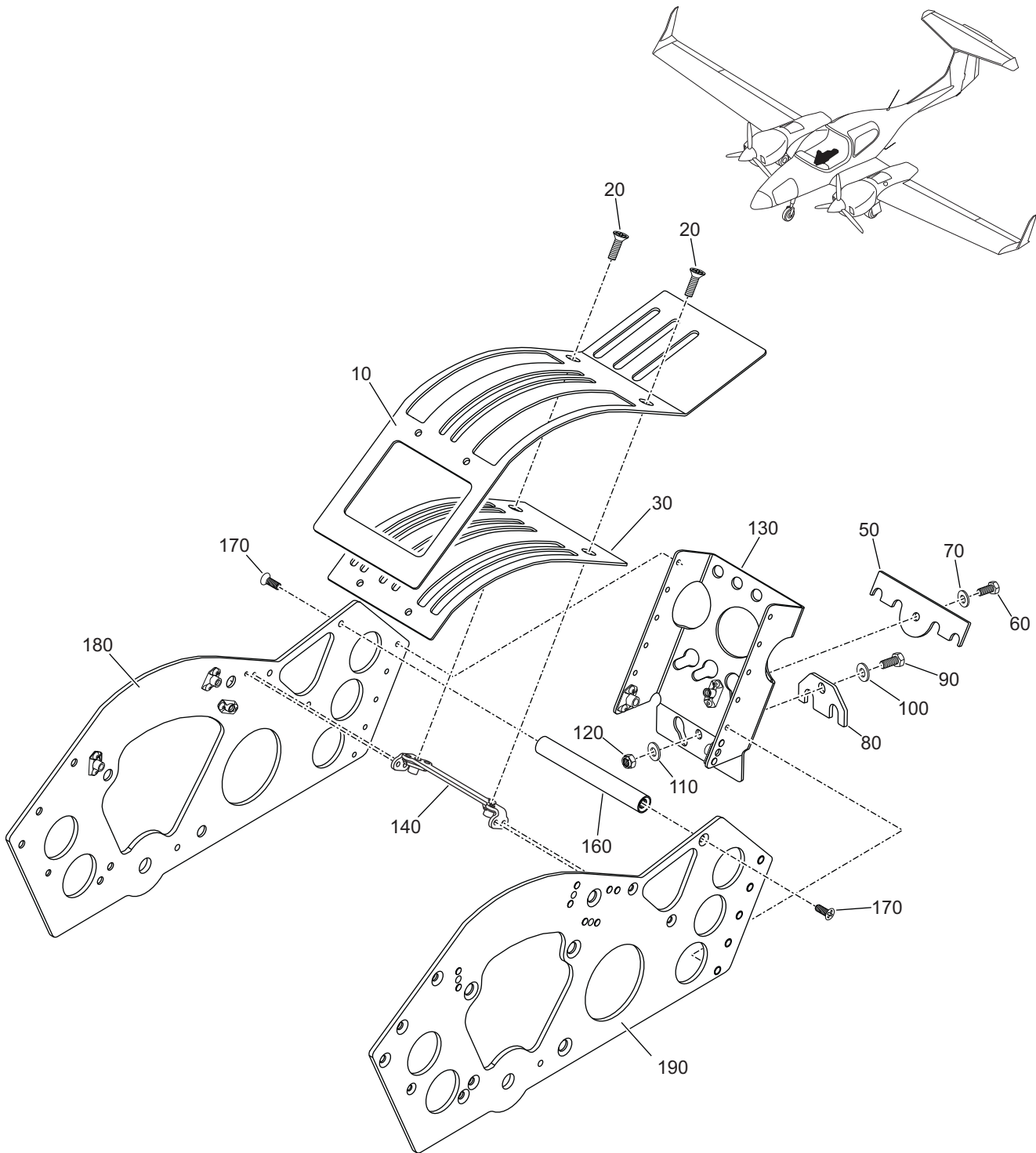


Figure 02 - Engine Controls Console

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
02-1		Engine Controls Console	RF	D42L.ALL	
010	C61-7613-154-001	. Plate, Cover, Quadrant ***Attaching Parts for item 010	1		
020	MS24693C273	. . Screw ***End of Attaching Parts for item 010	2		
030	C61-7613-165-001	. Seal, Plate, Cover, Quadrant	1		
- 040	C61-7613-130-001	. Assembly, Front, Attach, Cable	1		
050	C61-7613-123-001	. . Locker Cable, Quadruple ***Attaching Parts for item 050	1		
060	AN3-3A	. . . Bolt	1		
070	NAS1149F0363P	. . . Washer ***End of Attaching Parts for item 050	1		
080	C1-7613-126-001	. . Locker Cable, Double ***Attaching Parts for item 080	1		
090	AN3-3A	. . . Bolt	1		
100	NAS1149F0332P	. . . Washer	1		
110	NAS1149F0363P	. . . Washer	1		
120	MS21042-3	. . . Locknut ***End of Attaching Parts for item 080	1		
130	C61-7613-127-001	. . Plate	1		
140	C61-7613-132-001	. Assembly, Quadrant Bracket Cover (Shown without the Nutplates)	1		
-150	C61-7613-125-001	. . Quadrant, Bracket Cover	1		
160	C61-7613-117-001	. Spacer, Front	1		
170	MS24694-C3	. Screw	6		
180	C61-7613-118-001	. Frame, Controls, Engine, LH	1		
190	C61-7613-160-001	. Frame, Controls, Engine, RH	1		

- ITEM NOT ILLUSTRATED

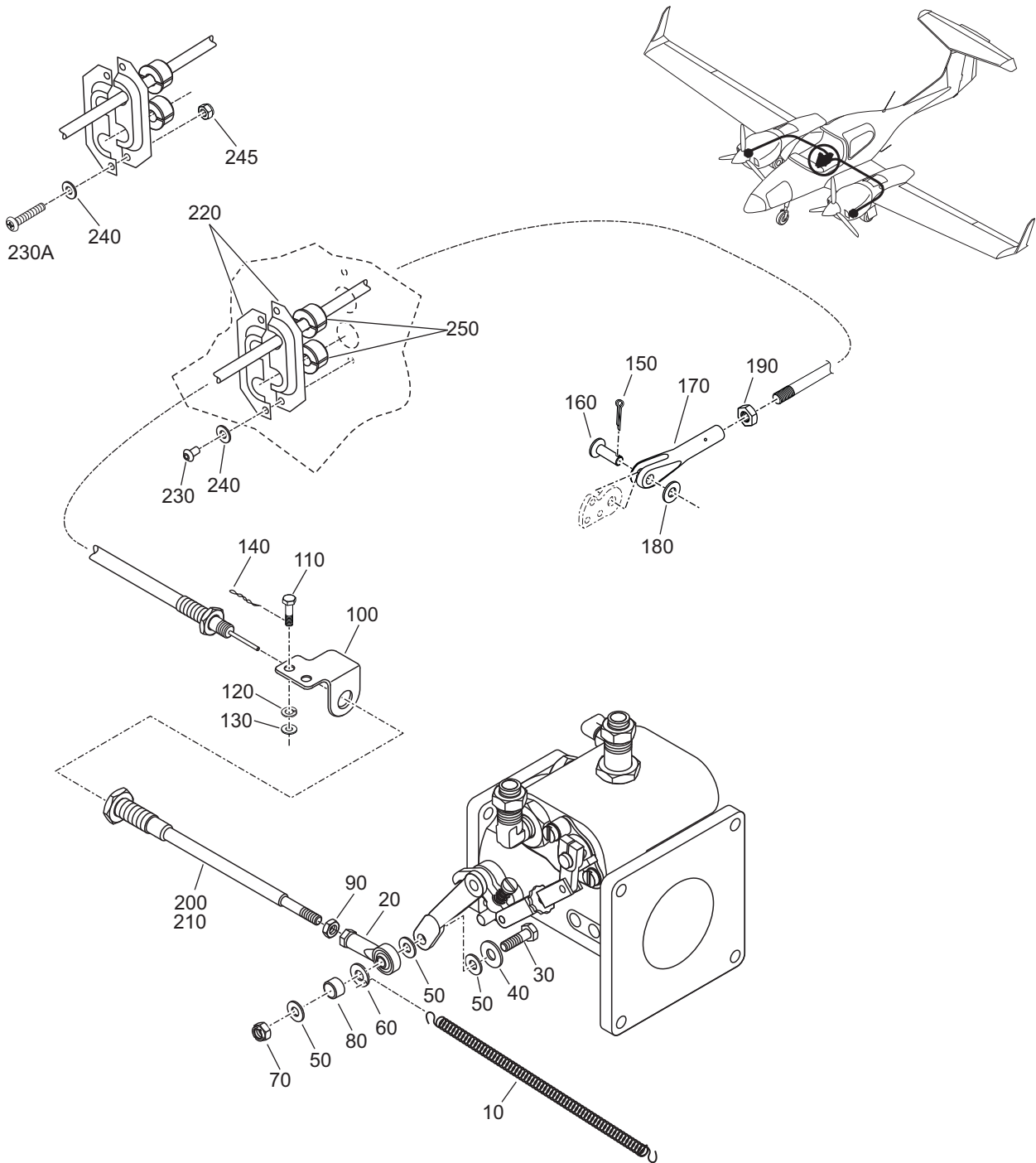


Figure 03 - Throttle Control Assembly (Sheet 1 of 2)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
03-1		Throttle Control Assembly (LH and RH Engine)	RF	D42L.ALL	
010	9654K78	. Spring, Extension	2		
020	HF3M	. Rod End	2		
		<i>***Attaching Parts for item 020</i>			
030	AN3-13A	. . Bolt, CAD Plated	2		
040	656-057	. . Washer, Flat	2		
050	AN960-10	. . Washer, Flat	6		
060	DIN125A-M8-A2	. . Washer	2		
070	MS21042-3	. . Nut, Hex, Reduced	2		
080	BU2-08-05-0100-C	. . Bushing	2		
		<i>***End of Attaching Parts for item 020</i>			
090	AN316-3	. Nut, Check, Thin	2		
100	C61-7326-104-001	. Support Bracket, Throttle Cable	2		
		<i>***Attaching Parts for item 100</i>			
110	L-LW-25H0.75	. . Bolt, Drilled Head	4		
120	MS35338-44	. . Lockwasher	4		
130	AN960-416	. . Washer	4		
140	MS20995C032	. . Lockwire, 0.032 In. Dia.	AR		
		<i>***End of Attaching Parts for item 100</i>			
150	MS24665-151	. Pin, Cotter	2		
160	C61-7613-173-001	. Pin, Clevis	2		
170	AN665-21R	. Clevis	2		
180	NAS1149F0332P	. Washer	2		
190	MS35650-302	. Nut	2		
200	C61-7613-133-001	. Cable, Throttle, LH	1		
210	C61-7613-134-002	. Cable, Throttle, RH	1		

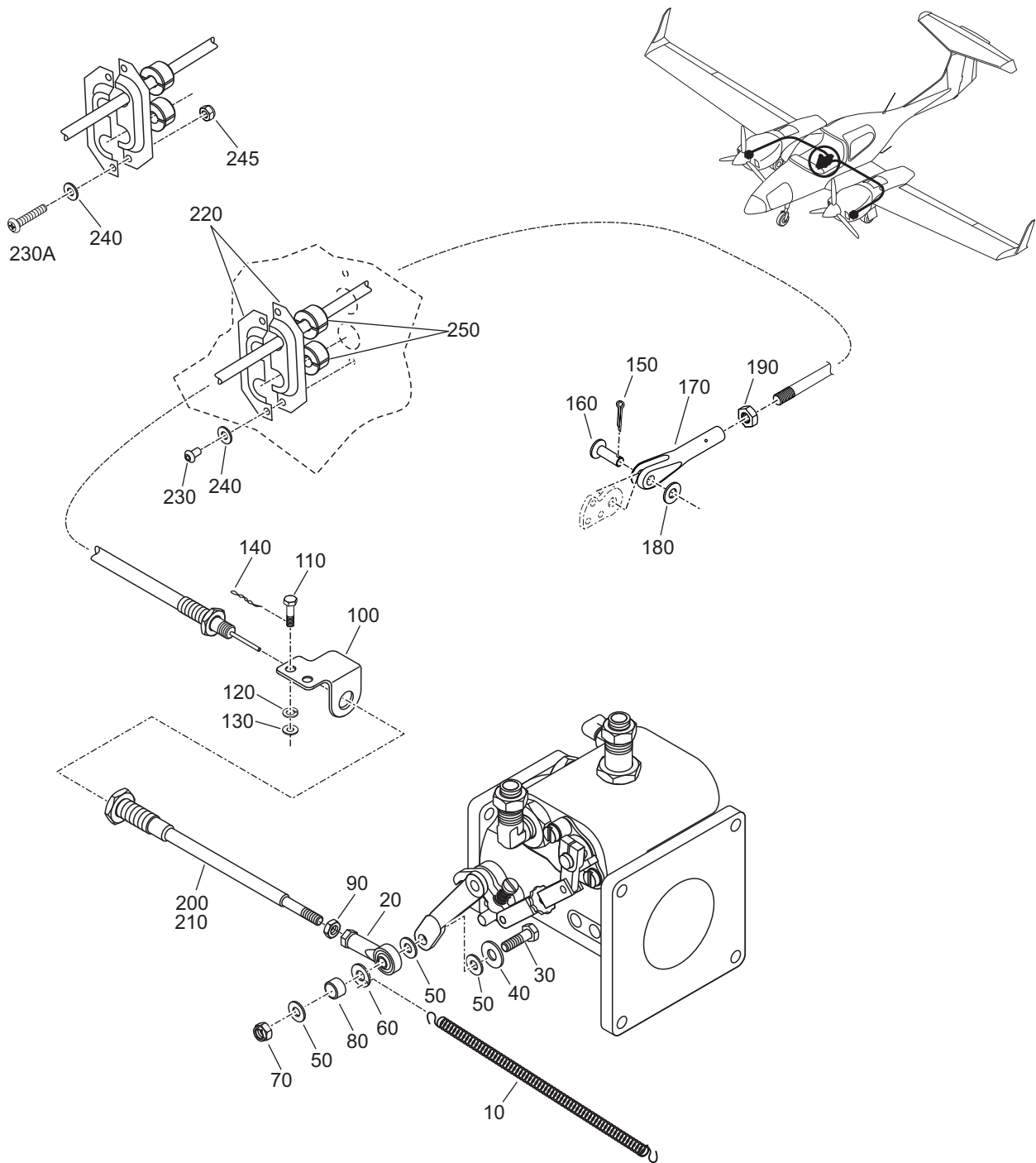


Figure 03 - Throttle Control Assembly (Sheet 2 of 2)

Fig Item	Part Number	Nomenclature						Units Per Assy	From S/N	To S/N
		1	2	3	4	5	6			
03-1		Throttle Control Assembly (LH and RH Engine)						RF	D42L.ALL	
220	D41-7103-00-01	. Cover, Firewall						4		
		<i>***Attaching Parts for item 220</i>								
230	SSD48SSBS	. . Rivet						4		
230A	MS51957-34	. . Screw						4		
240	NAS1149CN432R	. . Washer						4		
240A	NAS1149FN632P	. . Washer						4		
245	MS21042-06	. . Nut						4		
		<i>***End of Attaching Parts for item 220</i>								
250	C61-7610-101-001	. Bushing, Cable						4		

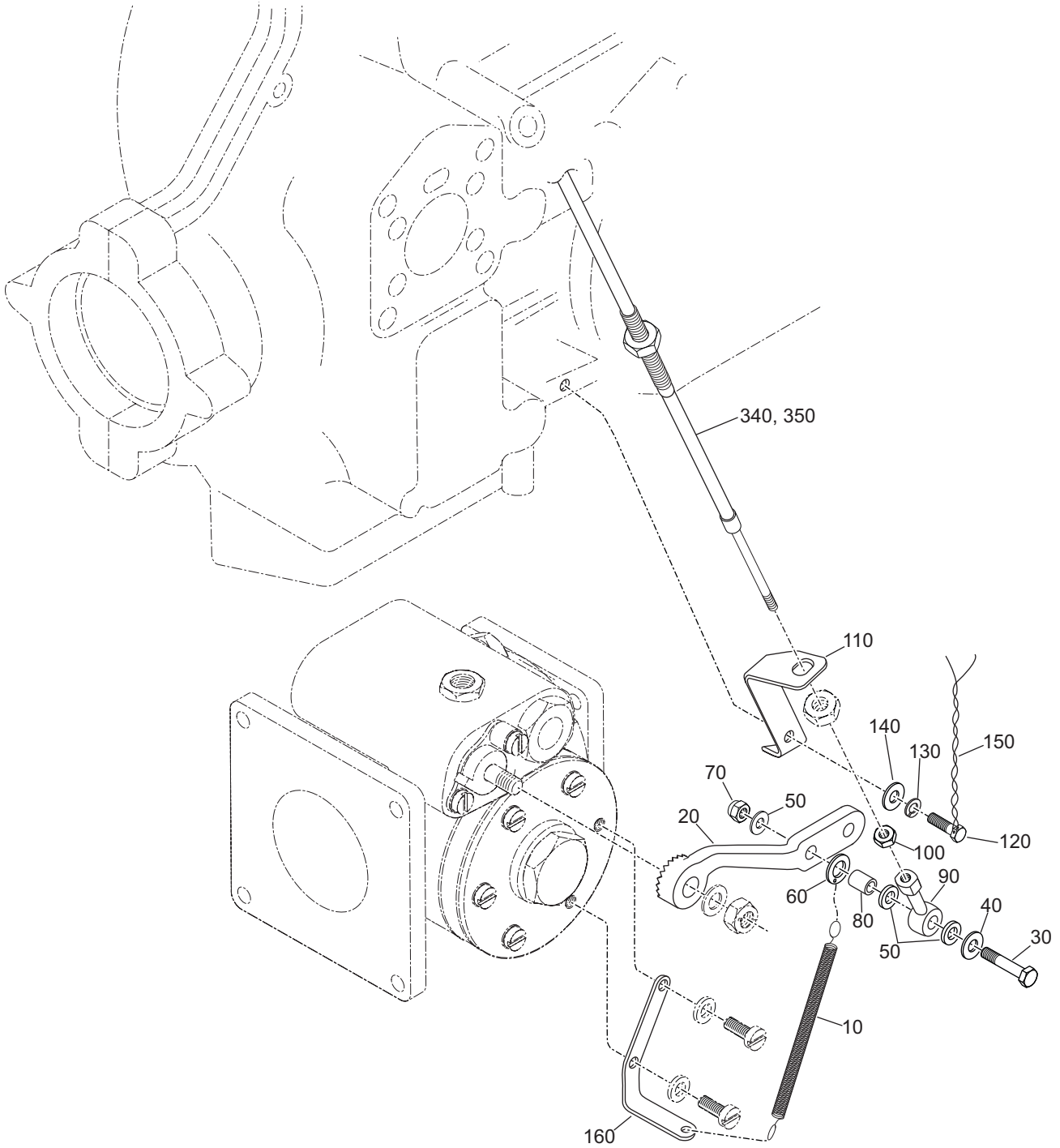


Figure 04 - Mixture Control Assembly (Sheet 1 of 4)

Fig Item	Part Number	Nomenclature	Units Per	From S/N	To S/N
			Assy		
04-1		Mixture Control Assembly (LH and RH Engine)	RF	D42L.ALL	
010	9654K78	. Spring, Extension	2		
020	C61-7326-105-001	. Lever, Arm, Mixture	2		
020A	2542856	. Lever, Arm, Mixture	2		
		<i>***Attaching Parts for item 020</i>			
030	AN3-13A	. . Bolt, CAD Plated	2		
040	656-057	. . Washer, Flat	2		
050	AN960-10	. . Washer, Flat	6		
060	DIN125A-M8-A2	. . Washer	2		
070	MS21042-3	. . Nut, Hex, Reduced	2		
080	BU2-08-05-0100-C	. . Bushing	2		
		<i>***End of Attaching Parts for item 020</i>			
090	HF3M	. Rod, End	2		
100	AN316-3	. Nut, Check, Thin	2		
110	C61-7326-102-001	. Bracket, Mounting, Cable, Mixture, Fuel	2		
		<i>***Attaching Parts for item 110</i>			
120	L-LW-25H0.75	. . Bolt, Drilled Head	2		
130	MS35338-44	. . Lockwasher	2		
140	AN960-416	. . Washer	2		
150	MS20995C032	. . Lockwire, 0.032 In. Dia.	AR		
		<i>***End of Attaching Parts for item 110</i>			
160	D41-7326-00-01_1	. Bracket, Spring	2		

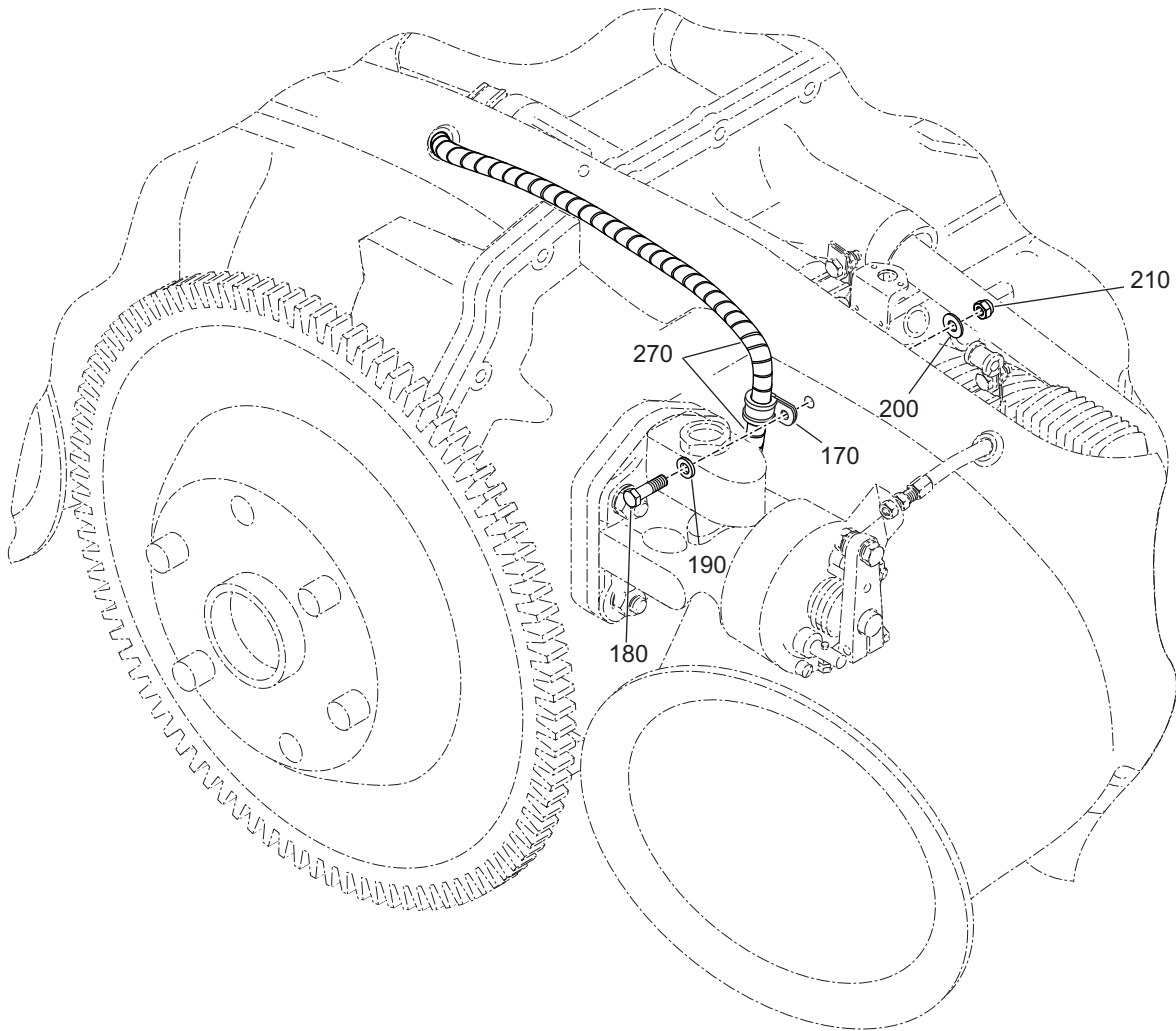


Figure 04 - Mixture Control Assembly (Sheet 2 of 4)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
04-1		Mixture Control Assembly (LH and RH Engine)	RF	D42L.ALL	
170	MS21919WDG6	. Clamp, P-Type <i>***Attaching Parts for item 170</i>	2		
180	AN3-3A	. . Bolt	2		
190	AN960-10L	. . Washer	2		
200	656-057	. . Washer	2		
210	MS21042-3	. . Nut, Self-Locking <i>***End of Attaching Parts for item 170</i>	2		

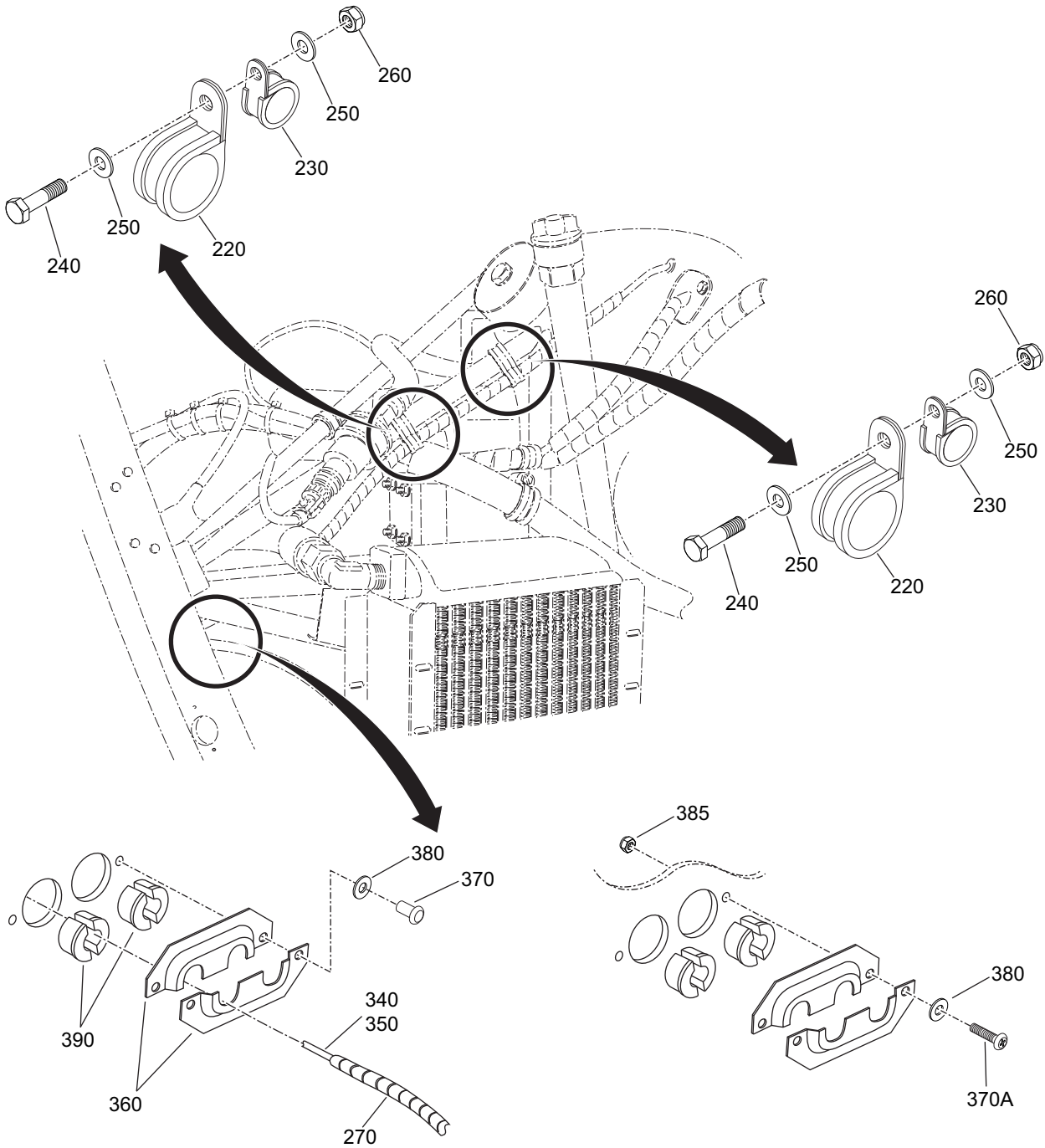


Figure 04 - Mixture Control Assembly (Sheet 3 of 4)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
04-1		Mixture Control Assembly (LH and RH Engine)	RF	D42L.ALL	
220	MS21919WDG10	. Clamp, P-Type	4		
230	MS21919WDG5	. Clamp, P-Type	4		
		<i>***Attaching Parts for item 220 and 230</i>			
240	AN3-4A	. . Bolt	2		
250	NAS1149F0332P	. . Washer	2		
260	MS21042-3	. . Nut, Self-Locking	2		
		<i>***End of Attaching Parts for item 220 and 230</i>			
270	2.5N	. Spywrap	AR		

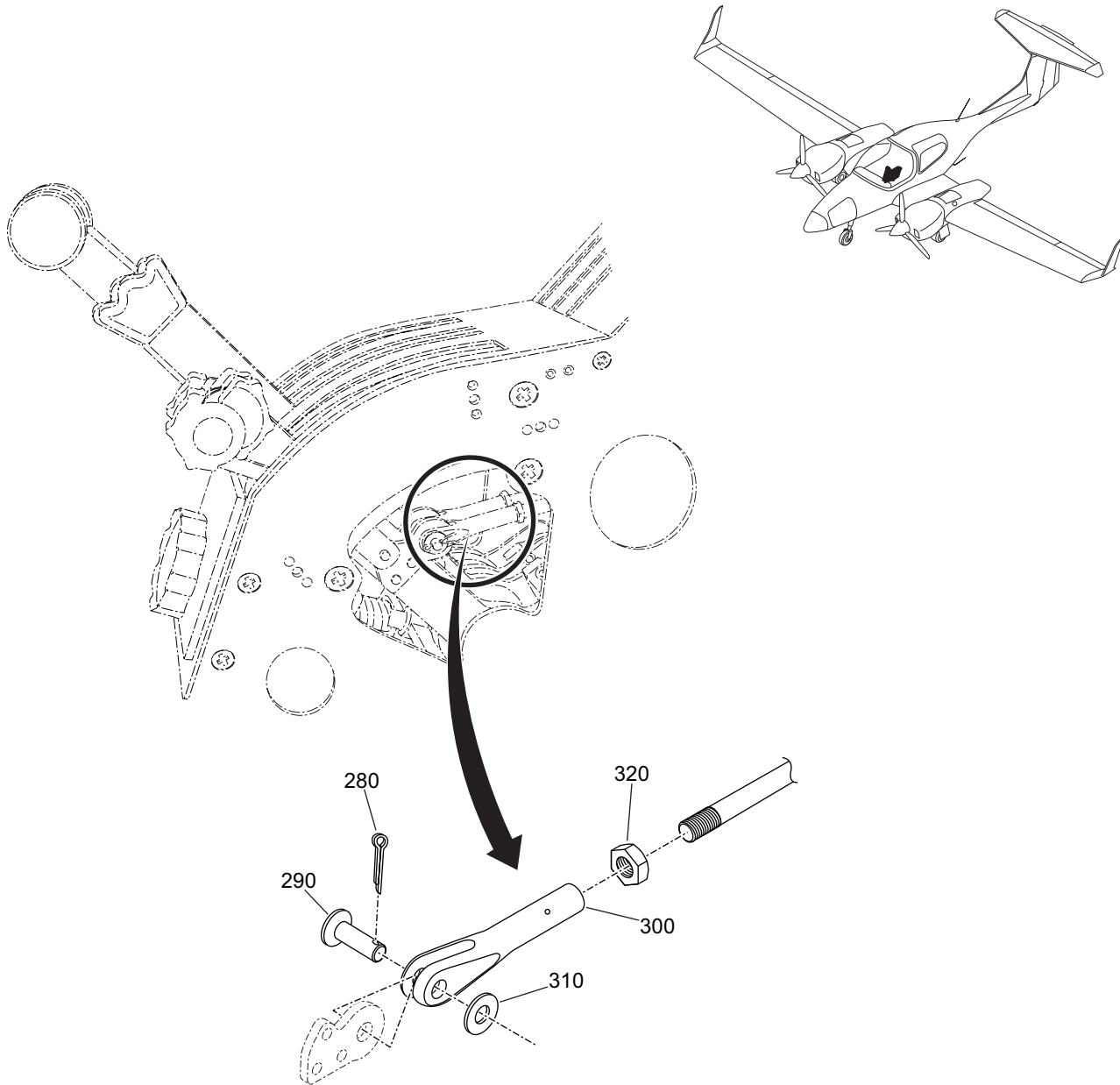


Figure 04 - Mixture Control Assembly (Sheet 4 of 4)

Fig Item	Part Number	Nomenclature						Units Per Assy	From S/N	To S/N
		1	2	3	4	5	6			
04-1		Mixture Control Assembly (LH and RH Engine)						RF	D42L.ALL	
280	MS24665-151	. Pin, Cotter						2		
290	C61-7613-173-001	. Pin, Clevis						2		
300	AN665-21R	. Clevis						2		
310	NAS1149F0332P	. Washer						2		
320	MS35650-302	. Nut						2		
340	C61-7613-147-001	. Cable, Mixture, LH						1		
350	C61-7613-148-002	. Cable, Mixture, RH						1		
360	D41-7103-00-01	. Cover, Firewall						4		
		<i>***Attaching Parts for item 360</i>								
370	SSD48SSBS	. . Rivet						4		
370A	MS51957-34	. . Screw						4		
380	NAS1149CN432R	. . Washer						4		
380A	NAS1149FN632P	. . Washer						4		
385	MS21042-06	. . Nut						4		
		<i>***End of Attaching Parts for item 360</i>								
390	C61-7610-101-001	. Bushing, Cable						4		

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CHAPTER 77 ENGINE INDICATING

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CHAPTER 77-10 ENGINE INDICATING

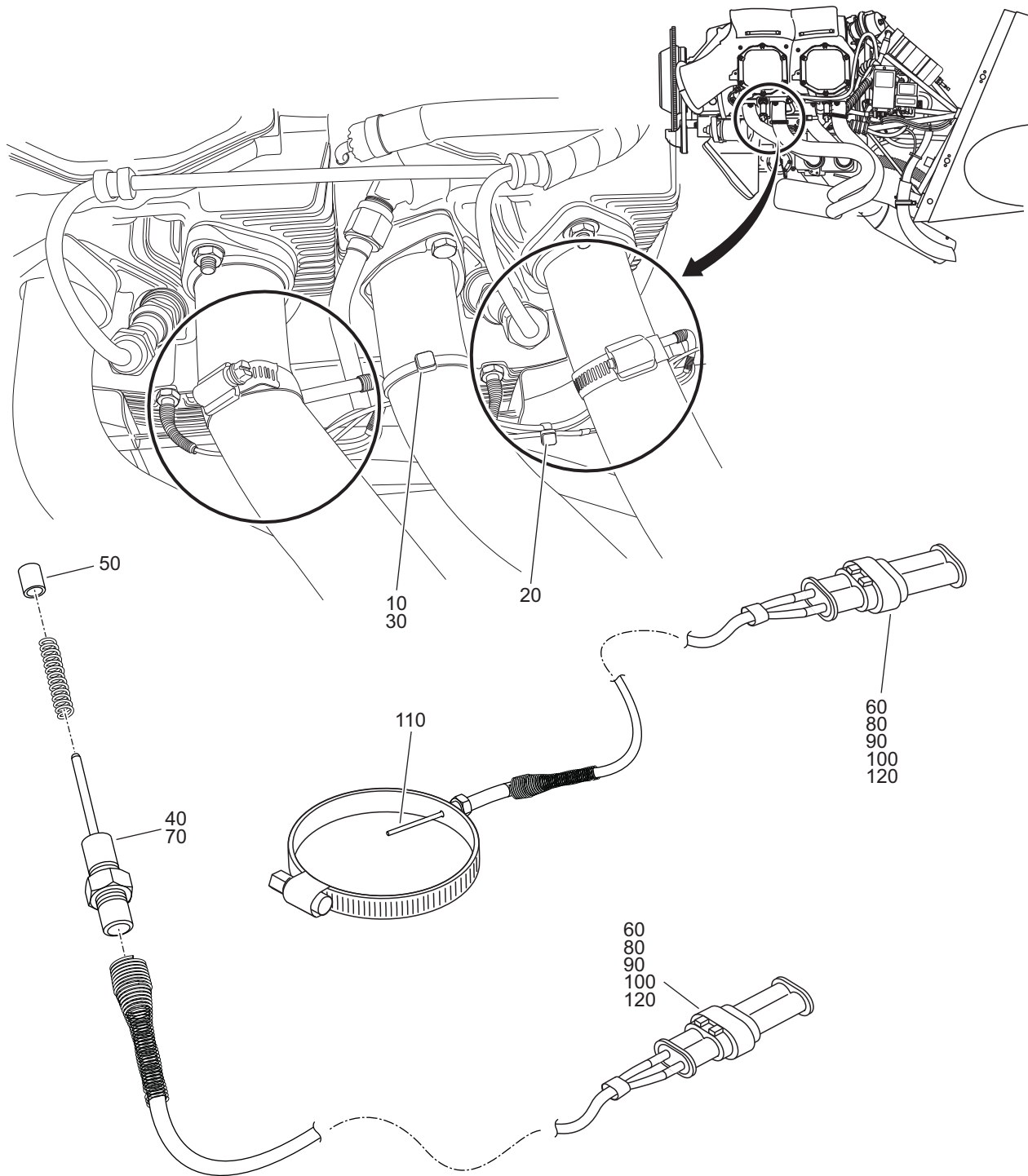


Figure 01 - Exhaust Gas Temperature (EGT) and Cylinder Head Temperature (CHT) Sensors Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		EGT and CHT Sensors Installation	RF	D42L.ALL	
010	PLT-2-SM-76	. Tywrap	1		
020	PLT-1-MM-76	. Tywrap	1		
030	CSCS-M	. Spacer, 90°	1		
040	A602BG	. Sensor, CHT	1		
050	183035-1	. Contact	2		
060	281934-4	. Seal, Green	4		
070	282080-1	. Connector, Female, 2 Pin	1		
080	ATUM-1-4-0	. Heat Shrink, 0.25 In. Dia.	1		
090	A002BG	. Sensor, EGT	1		
100	183036-1	. Contact	2		
110	282104-1	. Connector, Male, 2 Pin	1		
120	ATUM-1-4-0	. Heat Shrink, 0.25 In. Dia.	1		

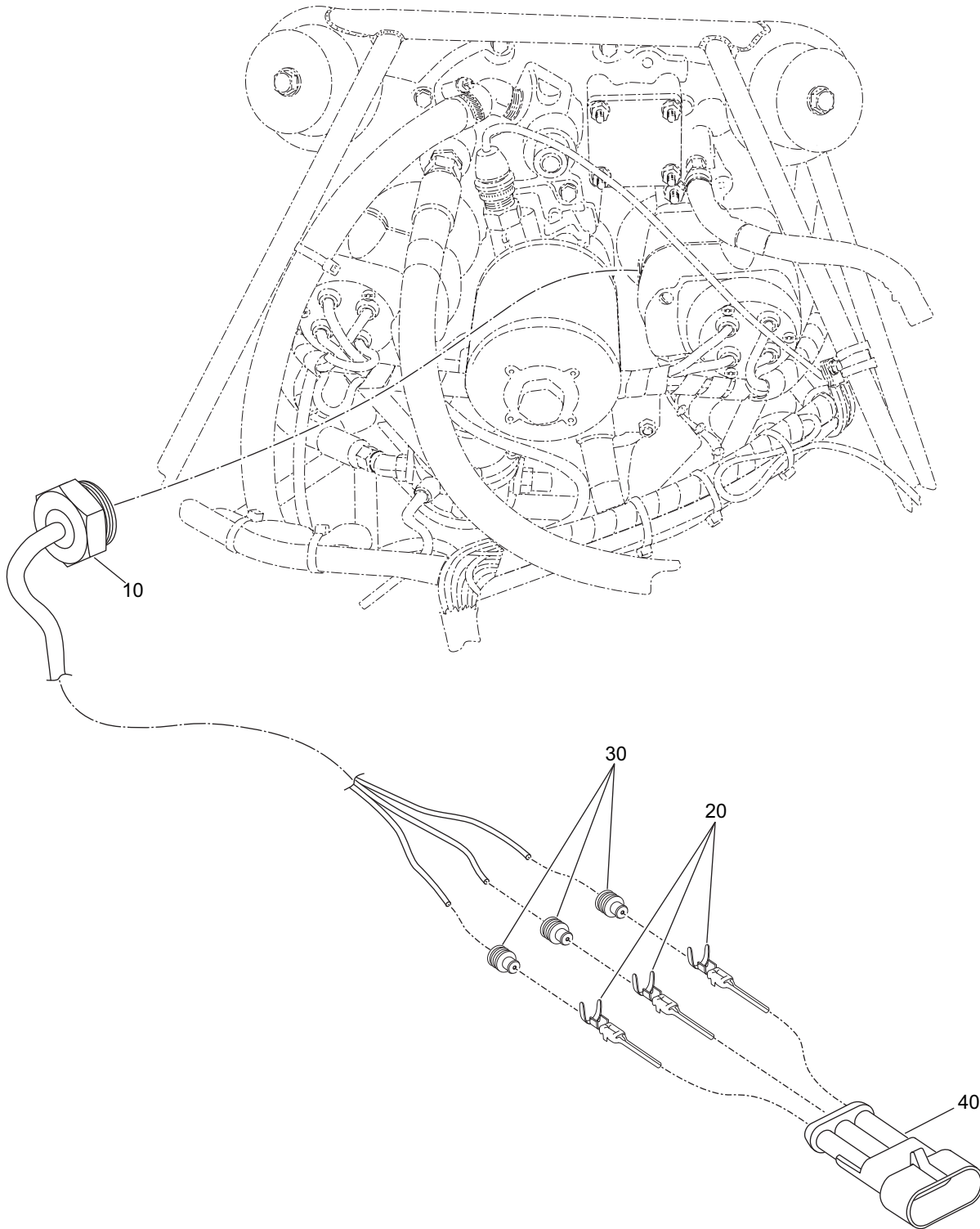


Figure 02 - Tachometer Sensor Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
		1 2 3 4 5 6			
02-1		Tachometer Sensor Installation	RF	D42L.ALL	
010	0406-003	. Sensor, Tachometer	1		
020	183036-1	. Contact	3		
030	281934-4	. Seal, Green	3		
040	282105-1	. Connector, Male, 3 Pin	1		

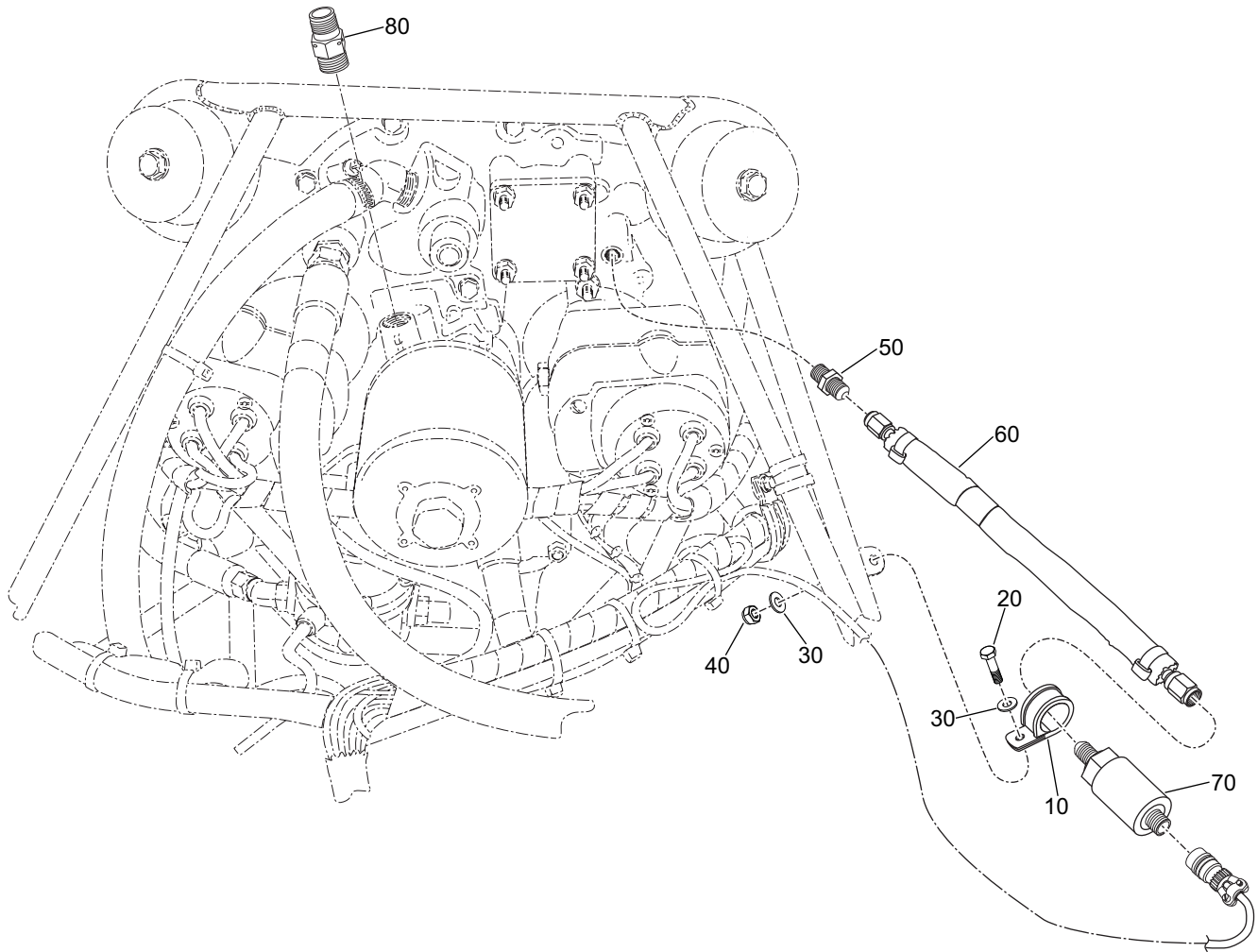


Figure 03 - Oil Pressure and Oil Temperature Sensors Installation

Fig Item	Part Number	Nomenclature	Units Per	From S/N	To S/N
			Assy		
03-1		Oil Pressure and Oil Temperature Sensors Installation	RF	D42L.ALL	
010	MS21919-WDG15	. Clamp, P-Type <i>***Attaching Parts for item 010</i>	RF		
020	AN3-4A	. . Bolt	1		
030	AN960-10	. . Washer	2		
040	MS21042-3	. . Nut, Self-Locking <i>***End of Attaching Parts for item 010</i>	1		
050	AN816-4J	. Fitting, Oil Pressure	1		
060	124F001-4CR0112	. Hose, Oil Pressure, G100	1		
070	IPT-20RT1-1000-100G	. Sensor, Oil Pressure	1		
080	MS28034-1	. Sensor, Oil Temperature	1		

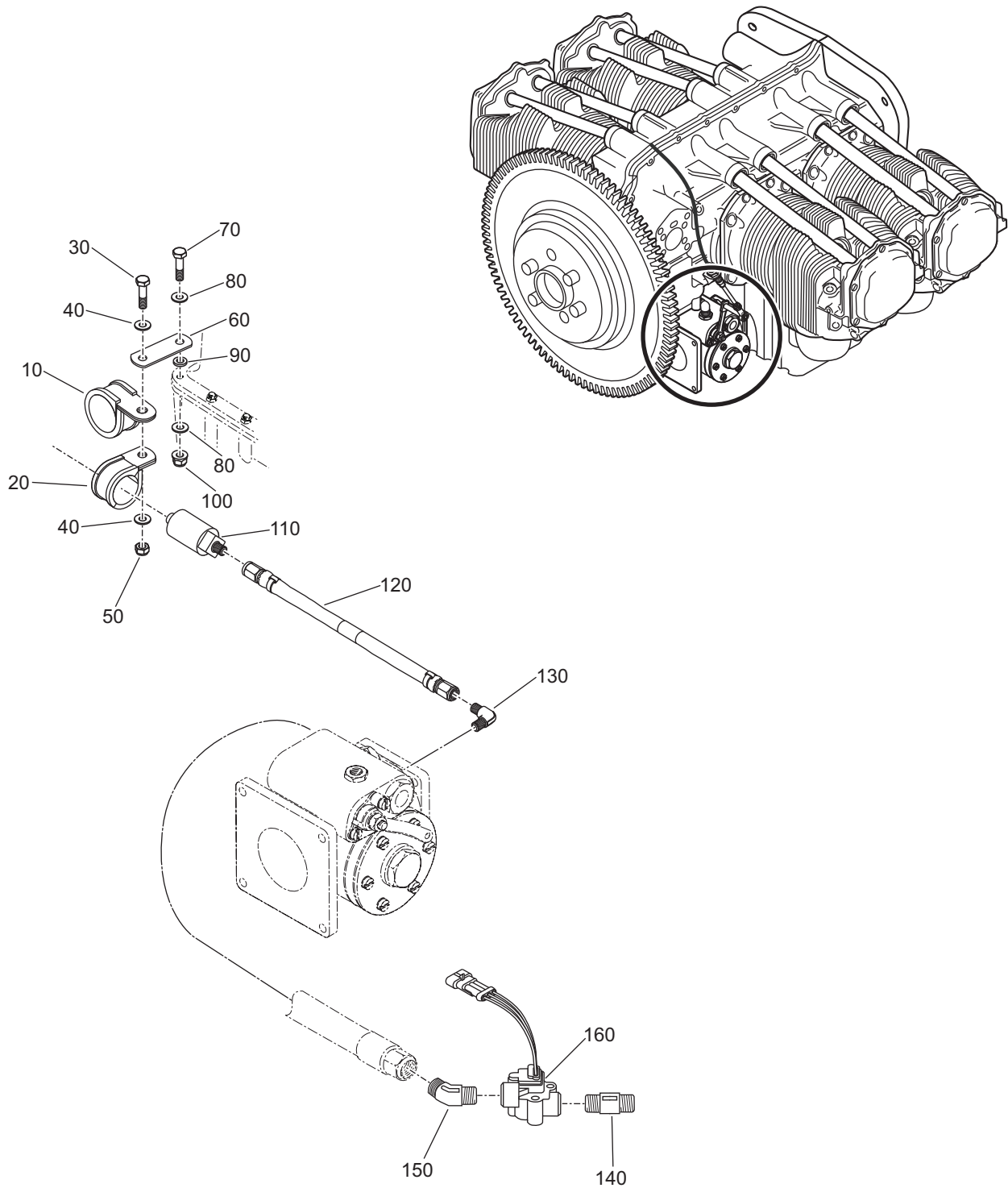


Figure 04 - Fuel Pressure and Fuel Flow Sensors Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
04-1		Fuel Pressure and Fuel Flow Sensors Installation	RF	D42L.ALL	
010	MS21919WDG16	. Clamp, P-Type	1		
020	MS21919WDG15	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 010 and 020</i>			
030	DIN933-M5x16	. . Bolt	1		
040	DIN125A-M5xA2	. . Washer	2		
050	DIN980V-M5A2	. . Locknut	1		
		<i>***End of Attaching Parts for item 010 and 020</i>			
060	73152	. Bracket, Support	1		
		<i>***Attaching Parts for item 060</i>			
070	AN4-10A	. . Bolt	1		
080	AN960-416L	. . Washer	2		
090	AN960-416	. . Washer	1		
100	MS21042-4	. . Locknut	1		
		<i>***End of Attaching Parts for item 060</i>			
110	IPT-20RT1-1000-100G	. Transducer, Pressure, Fuel	1		
120	124F001-4CR0066	. Fuel Line, Flexible	1		
130	233-10010-01	. Fitting, Flow, Reduced	1		
140	AN818-6	. Nipple	1		
150	MS20823-6	. Elbow, 45°	1		
160	680501-1-29.8-MOD	. Transducer, Pressure, Flow	1		

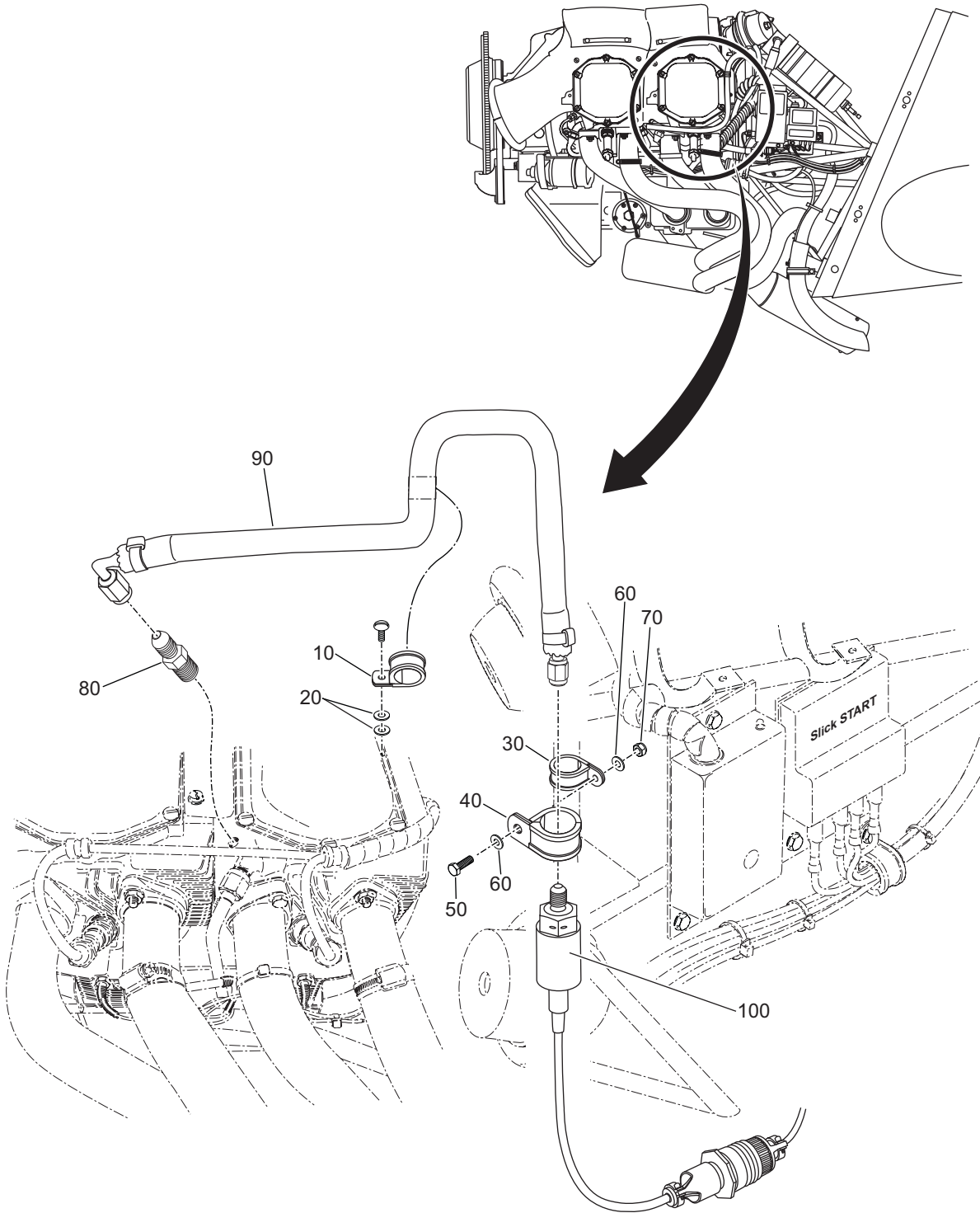


Figure 05 - Manifold Pressure Sensor Installation

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
05-1		Manifold Pressure Sensor Installation	RF	D42L.ALL	
010	MS21333-102	. Clamp, P-Type <i>***Attaching Parts for item 010</i>	1		
020	AN960-416	. . Washer <i>***End of Attaching Parts for item 010</i>	2		
030	MS21919-WDG12	. Clamp, P-Type	1		
040	MS21919-WDG15	. Clamp, P-Type <i>***Attaching Parts for item 030 and 040</i>	1		
050	DIN933-M5x16-YZP	. . Bolt	1		
060	DIN125A-M5-A2	. . Washer	2		
070	DIN980V-M5-A2	. . Nut <i>***End of Attaching Parts for item 030 and 040</i>	1		
080	AN816-3J	. Fitting, Pressure, Manifold	1		
090	124F002-3CR0195	. Hose, Pressure, Manifold, G1000	1		
100	APT-151B-1000-20A	. Sensor, Pressure, Manifold	1		

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CHAPTER 78

EXHAUST

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CHAPTER 78-10

EXHAUST

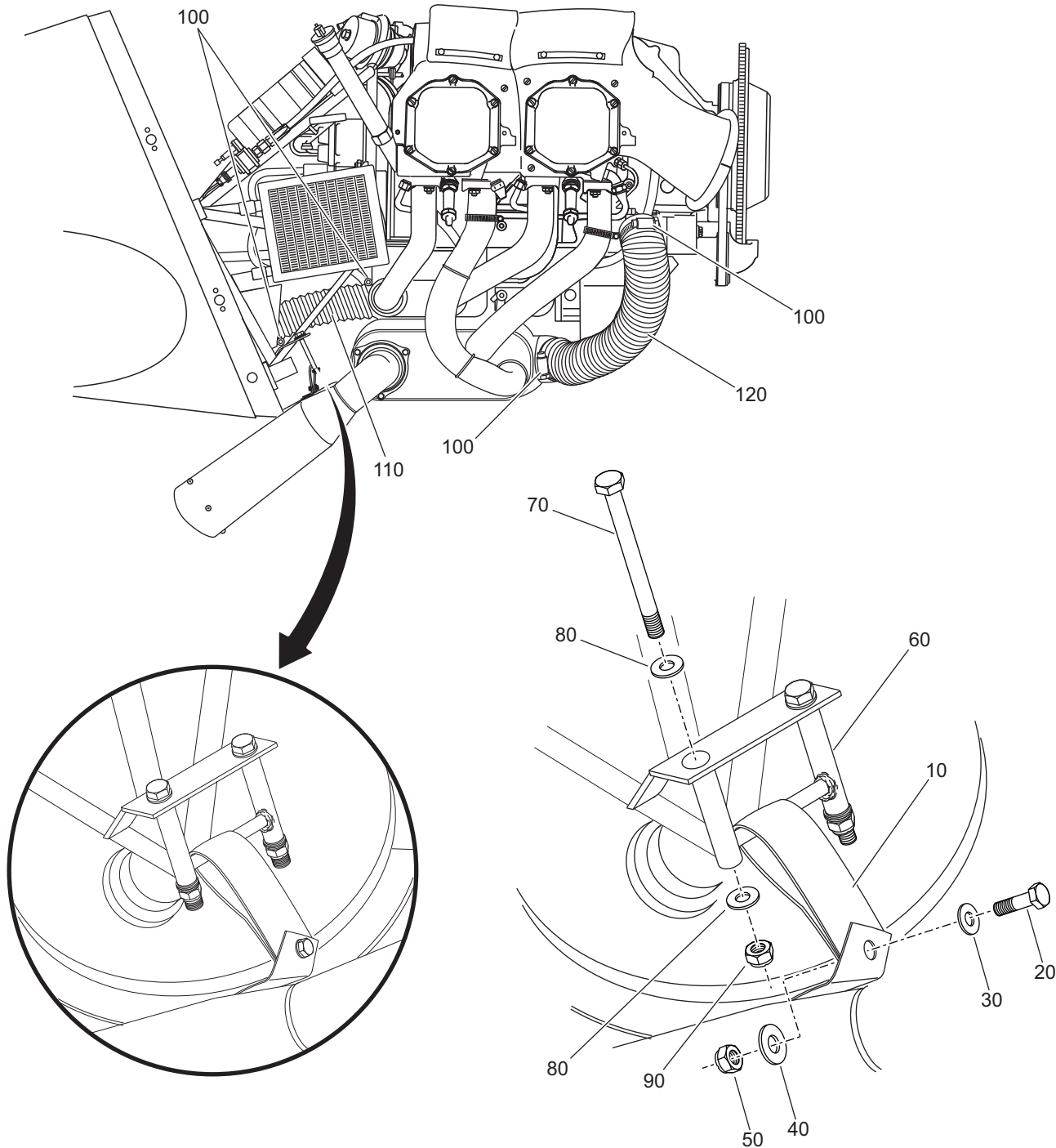


Figure 01 - Exhaust (Powerflow)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Exhaust (LH and RH Engine)	1	D42L.ALL	
010	05-6000	. Strap ***Replaced by P/N 213***	1		
	213	. Strap ***Replaces P/N 05-6000*** ***Attaching Parts for item 010	1		
020	AN3C5A	. . Bolt, Hex	1		
030	AN960C-516	. . Washer, Flat	1		
040	AN970-3	. . Washer, Flat, Large	1		
050	MS21045C3	. . Nut, Self Locking ***End of Attaching Parts for item 010	1		
060	91500	. Exhaust Bracket ***Attaching Parts for item 060	1		
070	AN4-21A	. . Bolt, Hex	2		
080	AN960-416	. . Washer, Flat, Cres.	4		
090	MS21042-4	. . Nut, Self Locking ***End of Attaching Parts for item 060	2		
100	SGT-70-90-9W1	. Clamp ***Replaced by P/N SGTS_70-90_9W1C7***	4		
	SGTS_70-90_9W1C7	. Clamp ***Replaces P/N SGT-70-90-9W1***	4		
110	SCAT-12-200	. Hose, Aeroduct, 3 in. Diameter	1		
120	SCAT-12-430	. Hose, Aeroduct, 3 in. Diameter	1		

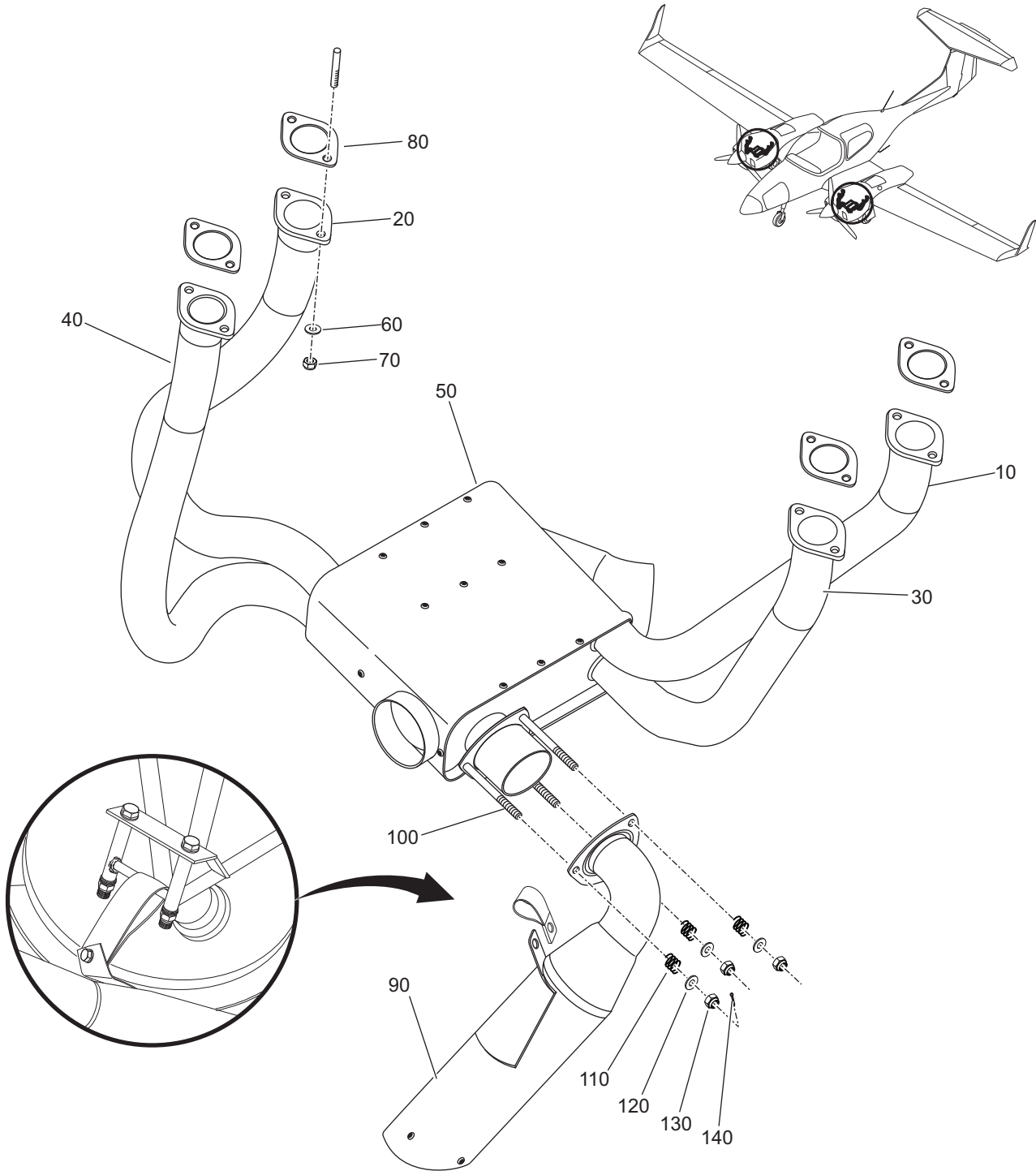


Figure 02 - Exhaust Assembly (Powerflow) (Sheet 1 of 2)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Engine Exhaust (LH and RH Engine)	1	D42L.ALL	
010	11550	. Header, #1	1		
020	12550	. Header, #2	1		
030	13550	. Header, #3	1		
040	14550	. Header, #4	1		
050	41303	. Assy, Shrouded Collector	1		
		<i>***Attaching Parts for item 050</i>			
060	AN960C-516	. . Washer, Plain	8		
070	STD-2233	. . Nut, Self-Locking	8		
080	77611	. . Gasket, Exhaust, No-Blow	4		
		<i>***End of Attaching Parts for item 050</i>			
090	80065	. Tailpipe, Stuffed	1		
		<i>***Attaching Parts for item 090</i>			
100	AN3C12	. . Bolt, Drilled	3		
110	33703	. . Spring, Balljoint	3		
120	AN960C10	. . Washer, Plain	3		
130	AN310C3	. . Nut	3		
140	MS24665-153	. . Pin, Cotter	3		
		<i>***End of Attaching Parts for item 090</i>			
150	C61-7806-108-001	. Heat Shield Assembly, Long	1		
160	C61-7806-107-001	. Heat Shield Assembly, Medium	1		
170	C61-7806-112-001	. Heat Shield Assembly, Short	1		
180	MS21919WH9	. Clamp, Cushion, High-Temp	2		

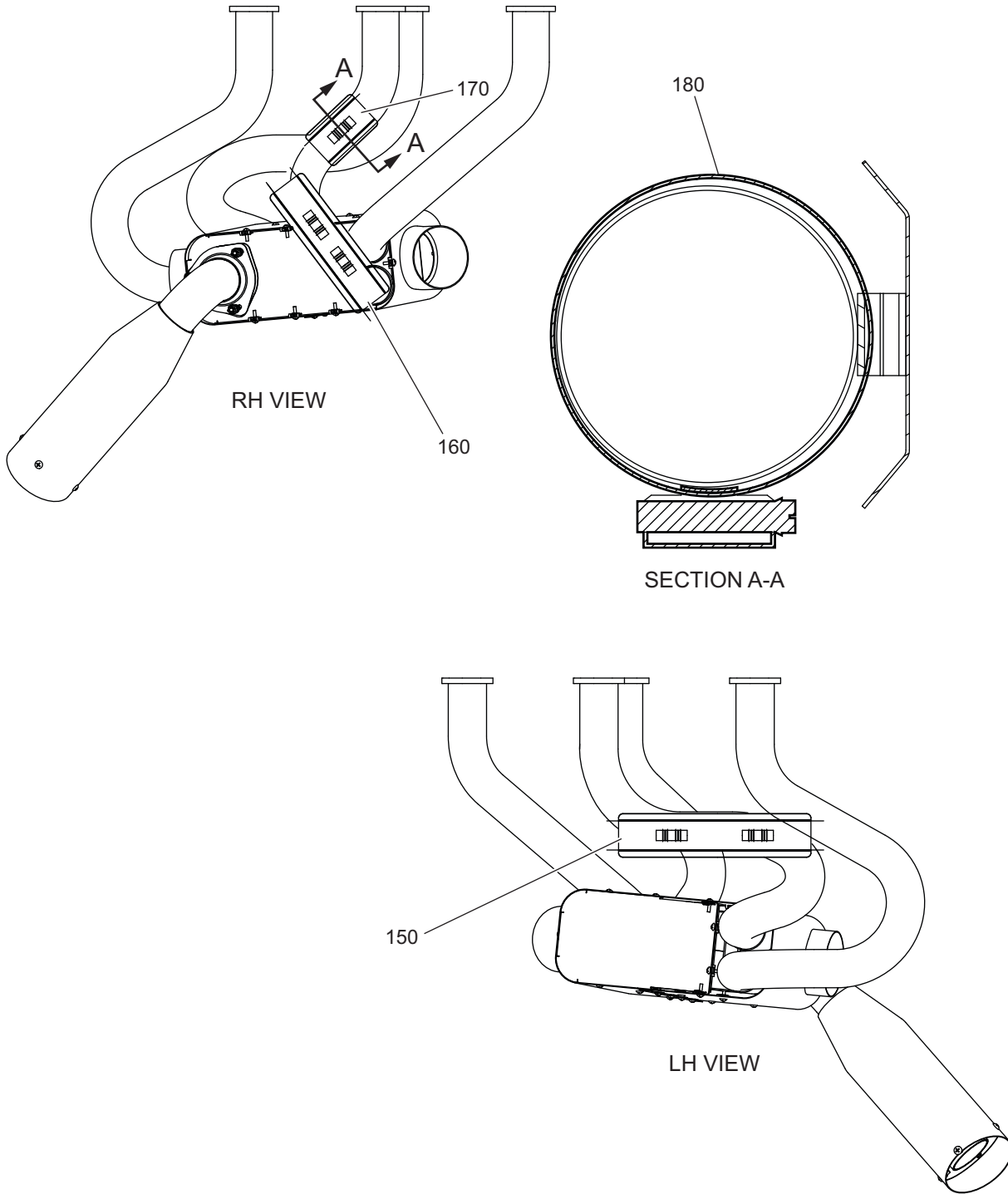


Figure 02 - Exhaust Assembly (Powerflow) (Sheet 2 of 2)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Engine Exhaust (LH and RH Engine)	1	D42L.ALL	
010	11550	. Header, #1	1		
020	12550	. Header, #2	1		
030	13550	. Header, #3	1		
040	14550	. Header, #4	1		
050	41303	. Assy, Shrouded Collector	1		
		<i>***Attaching Parts for item 050</i>			
060	AN960C-516	. . Washer, Plain	8		
070	STD-2233	. . Nut, Self-Locking	8		
080	77611	. . Gasket, Exhaust, No-Blow	4		
		<i>***End of Attaching Parts for item 050</i>			
090	80065	. Tailpipe, Stuffed	1		
		<i>***Attaching Parts for item 090</i>			
100	AN3C12	. . Bolt, Drilled	3		
110	33703	. . Spring, Balljoint	3		
120	AN960C10	. . Washer, Plain	3		
130	AN310C3	. . Nut	3		
140	MS24665-153	. . Pin, Cotter	3		
		<i>***End of Attaching Parts for item 090</i>			
150	C61-7806-108-003	. Heat Shield Assembly, Long	1		
160	C61-7806-107-003	. Heat Shield Assembly, Medium	1		
170	C61-7806-112-003	. Heat Shield Assembly, Short	1		
180	MS21919WH9	. Clamp, Cushion, High-Temp	2		

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CHAPTER 79 ENGINE OIL

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CHAPTER 79-10

ENGINE OIL

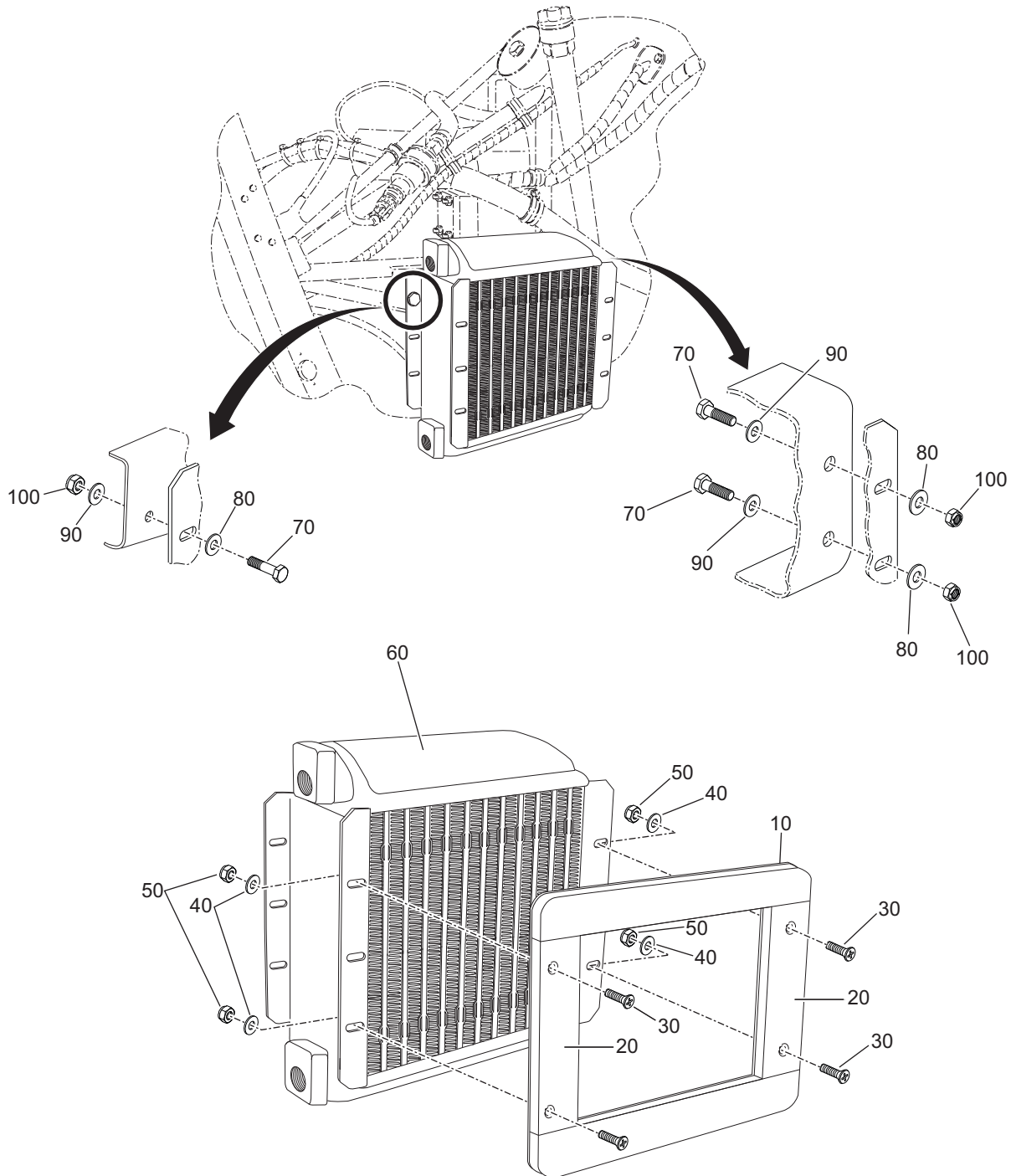


Figure 01 - Engine Oil Cooling System (Sheet 1 of 2)

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Oil Cooling System (LH and RH Engine)	RF	D42L.ALL	
010	C61-7906-102-001	. Assembly, Face Plate, Oil Cooler	1		
020	1220-25	. Sponge, Stripping <i>***Attaching Parts for item 020</i>	2		
030	MS24694S50	. . Screw	4		
040	AN960-10	. . Washer	4		
050	MS21042-3	. . Nut, Self-Locking <i>***End of Attaching Parts for item 020</i>	4		
060	10611R	. Cooler, Oil <i>***Attaching Parts for item 060</i>	1		
070	AN3-3A	. . Bolt	3		
080	656-057	. . Washer, Flat	3		
090	AN960-10L	. . Washer	3		
100	MS21042-3	. . Nut, Self-Locking <i>***End of Attaching Parts for item 060</i>	3		

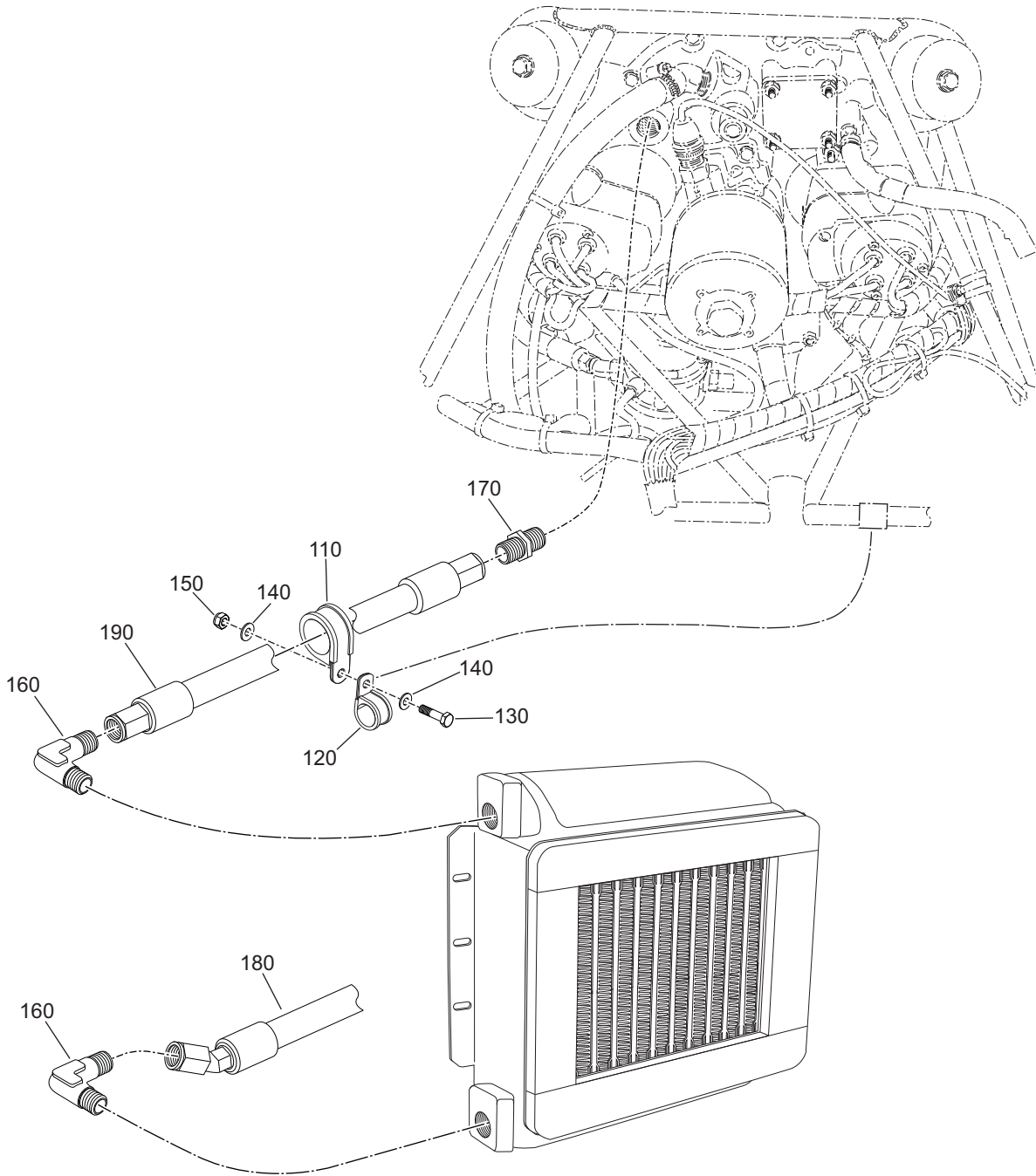


Figure 01 - Engine Oil Cooling System (Sheet 2 of 2)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
01-1		Engine Oil Cooling System (LH and RH Engine)	RF	D42L.ALL	
110	MS21919-WDG14	. Clamp, P-Type	1		
120	MS21919-WDG10	. Clamp, P-Type	1		
		<i>***Attaching Parts for item 110 and 120</i>			
130	AN3-4A	. . Bolt	1		
140	AN960-10	. . Washer	2		
150	MS21042-3	. . Nut, Self-Locking	1		
		<i>***End of Attaching Parts for item 110 and 120</i>			
160	MS20822-8D	. Elbow, Fitting, 90°	2		
170	AN816-8	. Fitting	1		
180	AE3663162H0157	. Hose, Oil Cooler	1		
190	AE3663161H0246	. Hose, Oil Cooler	1		

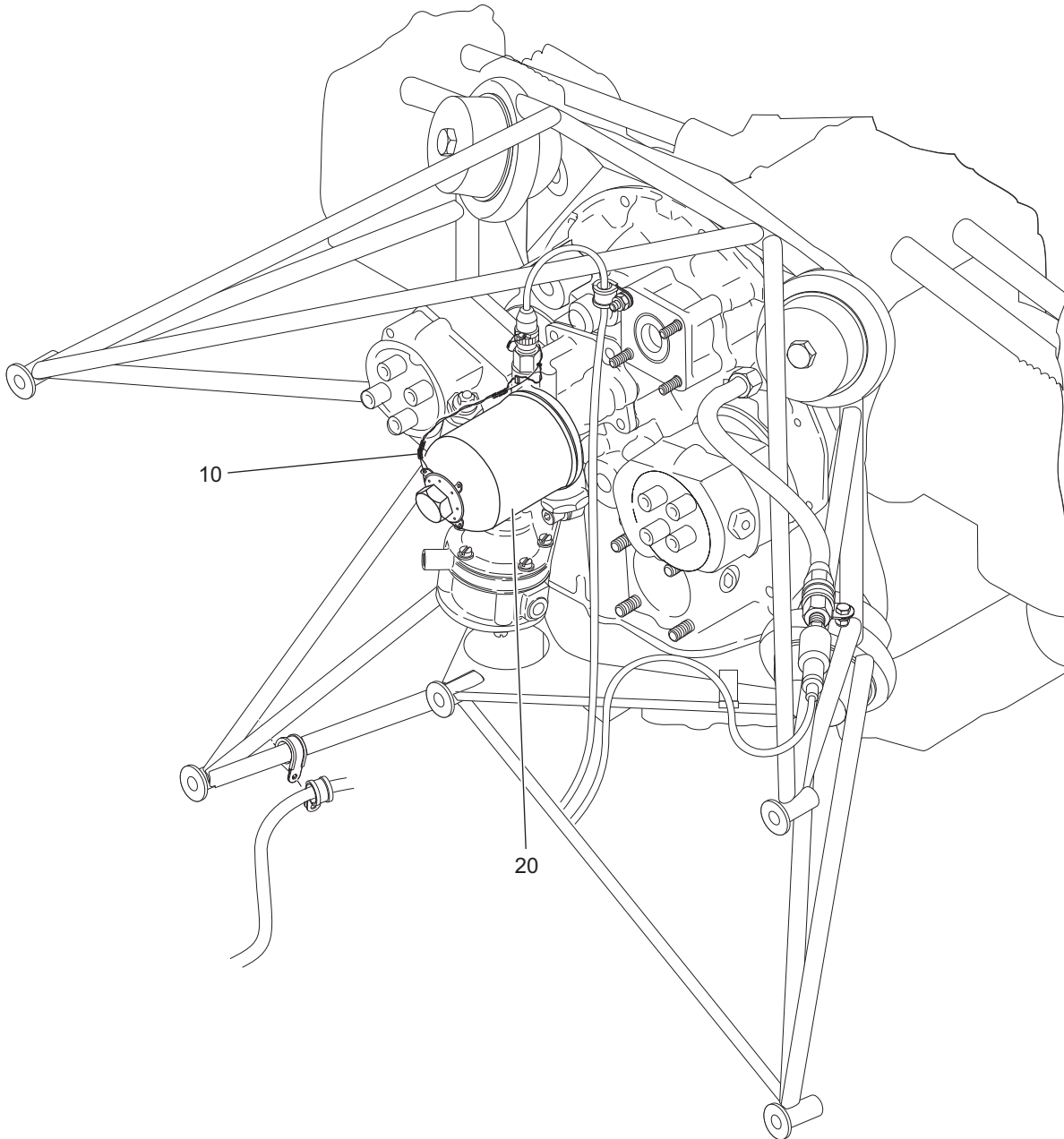


Figure 02 - Engine Oil Filter

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
02-1		Engine Oil Filter (LH and RH Engine)	RF	D42L.ALL	
010	MS20995C032	. Lockwire	AR		
020	CH48110-1	. Filter, Oil, Spin On	1		

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CHAPTER 80

STARTING

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CHAPTER 80-10

STARTING

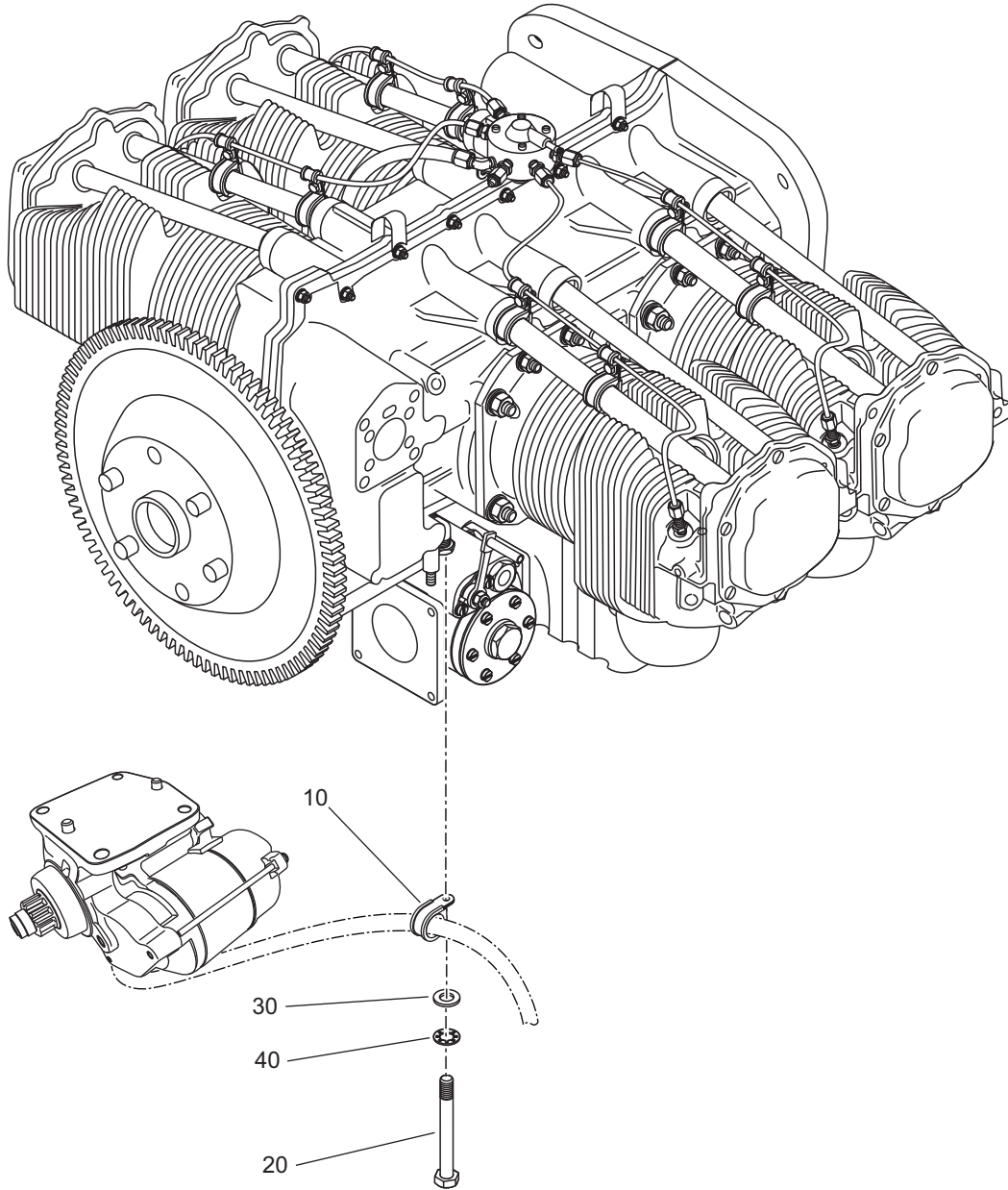


Figure 01 - Engine Starter

Fig Item	Part Number	Nomenclature 1 2 3 4 5 6	Units Per Assy	From S/N	To S/N
01-1		Engine Starter	RF	D42L.ALL	
010	MS21919WDG10	. Clamp <i>***Attaching Parts for item 010</i>	1		
020	LN-31H0.75	. . Bolt	1		
030	AN960-516	. . Washer	1		
040	STD475	. . Lockwasher <i>***End of Attaching Parts for item 010</i>	1		

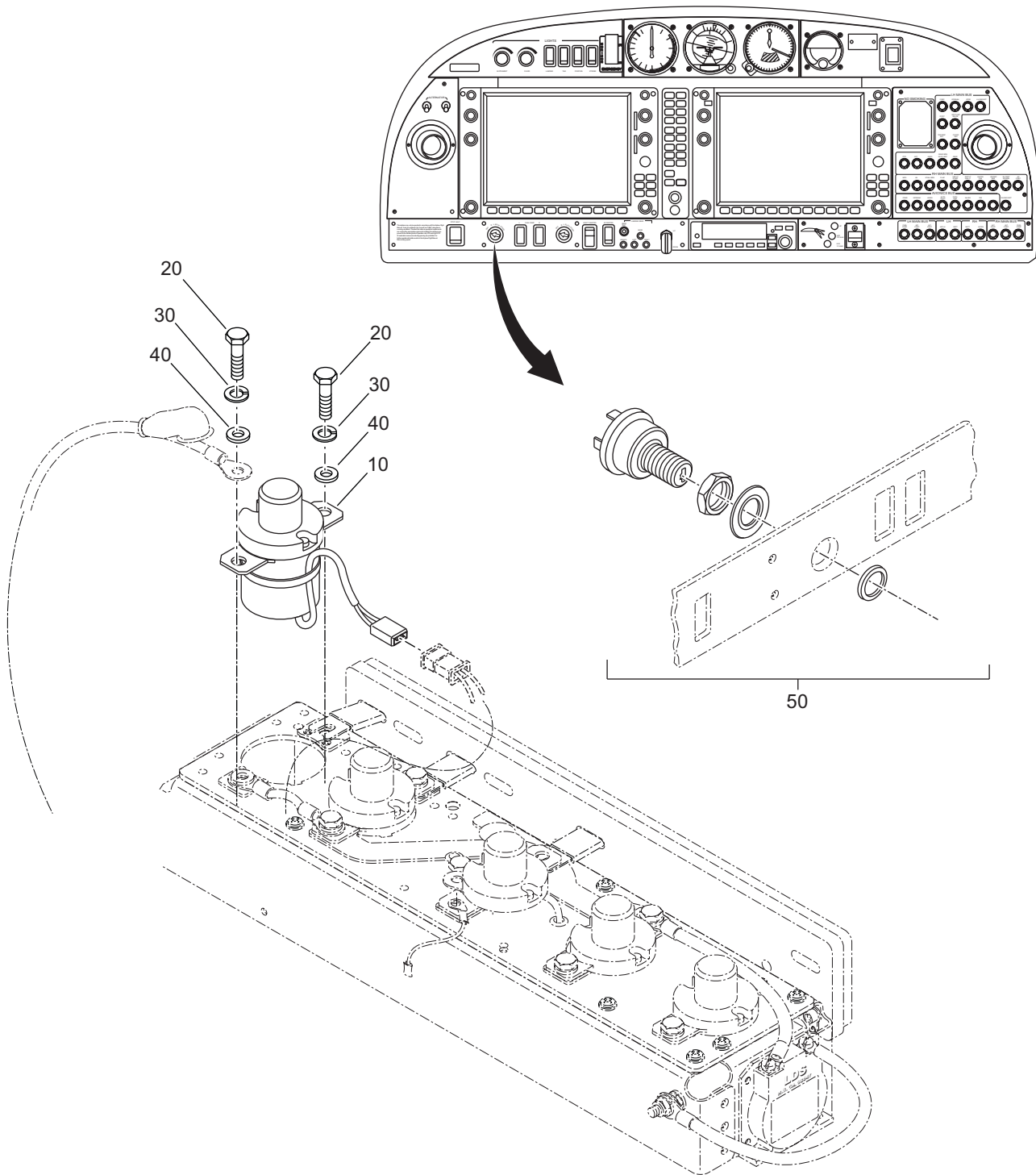


Figure 02 - Starter Relay Installation

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
		1 2 3 4 5 6			
02-1		Starter Relay Installation	RF	D42L.ALL	
010	2-1616921-3	. Relay, K-400BIF <i>***Attaching Parts for item 010</i>	1		
020	AN4-7A	. . Bolt	2		
030	MS35338-44	. . Washer, Lock	2		
040	NAS1149F0463P	. . Washer, Flat <i>***End of Attaching Parts for item 010</i>	2		
050	A510-2	. Switch, Ignition	2		

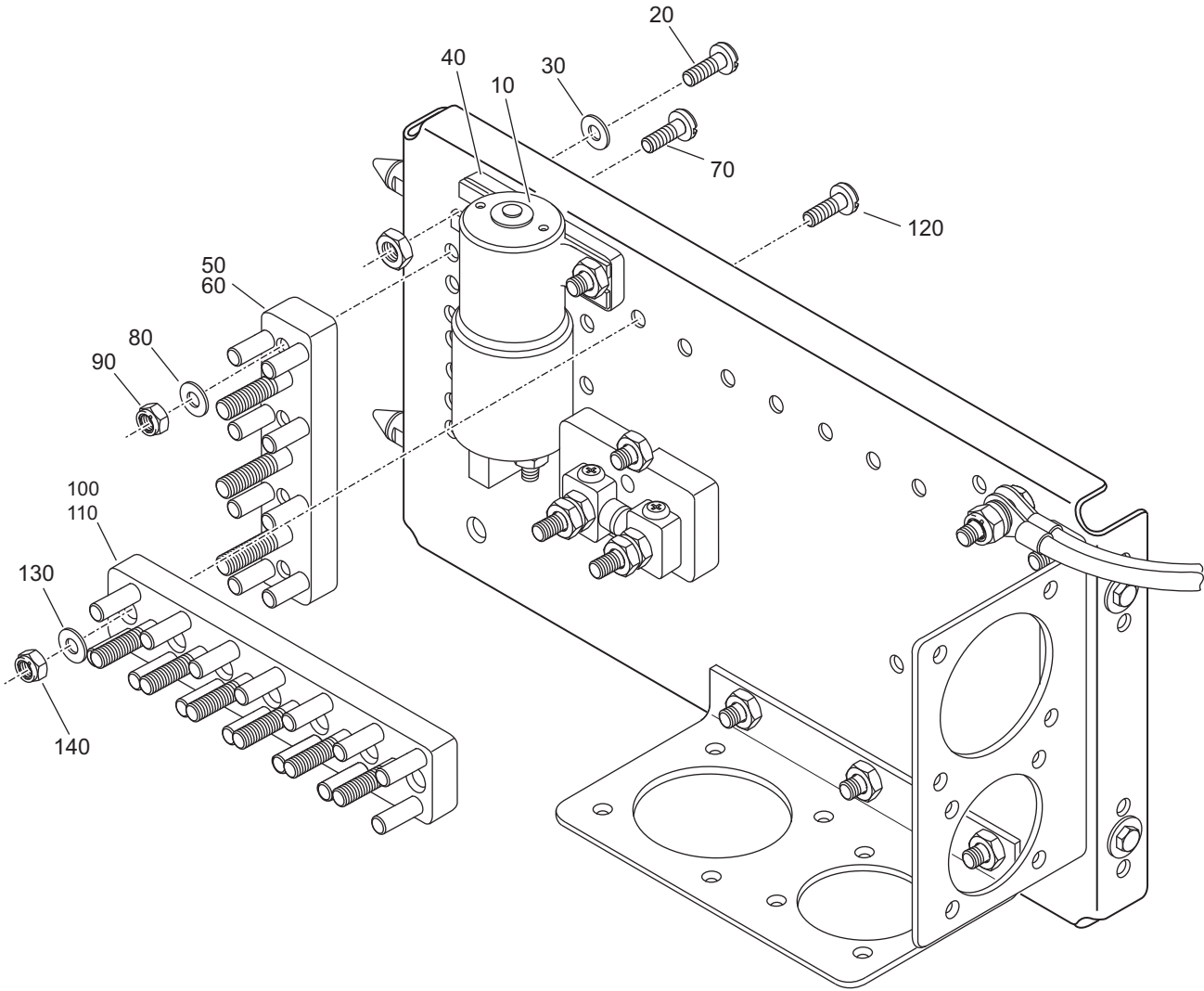


Figure 03 - LH/RH Relay Assembly (LH Shown)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
03-1		LH/RH Relay Assembly	RF	D42L.ALL	
010	26.58.09	. Relay <i>***Attaching Parts for item 010</i>	2		
020	AN3-6A	. . Bolt	4		
030	AN960-10	. . Washer	4		
040	DA4-2466-10-05_1	. . Spacer <i>***End of Attaching Parts for item 010</i>	2		
050	MS18029-1S3	. Cover, Terminal Block, 3 Pos	2		
060	MS27212-1-3	. Terminal Block, 3 Pos <i>***Attaching Parts for item 060</i>	2		
070	MS35206-215	. . Screw	4		
080	AN960-10	. . Washer	4		
090	MS21083B04	. . Locknut <i>***End of Attaching Parts for item 060</i>	4		
100	MS18029-1S6	. Cover, Terminal Block, 6 Pos, LH	1		
110	MS27212-1-6	. Terminal Block, 6 Pos, LH <i>***Attaching Parts for item 110</i>	1		
120	MS35206-215	. . Screw	2		
130	AN960-10	. . Washer	2		
140	MS21083B04	. . Locknut <i>***End of Attaching Parts for item 110</i>	2		
150	MS18029-1S3	. Cover, Terminal Block, 3 Pos, RH	1		
160	MS27212-1-3	. Terminal Block, 3 Pos, RH <i>***Attaching Parts for item 160</i>	1		
170	MS35206-215	. . Screw	2		
180	AN960-10	. . Washer	2		
190	MS21083B04	. . Locknut <i>***End of Attaching Parts for item 160</i>	2		

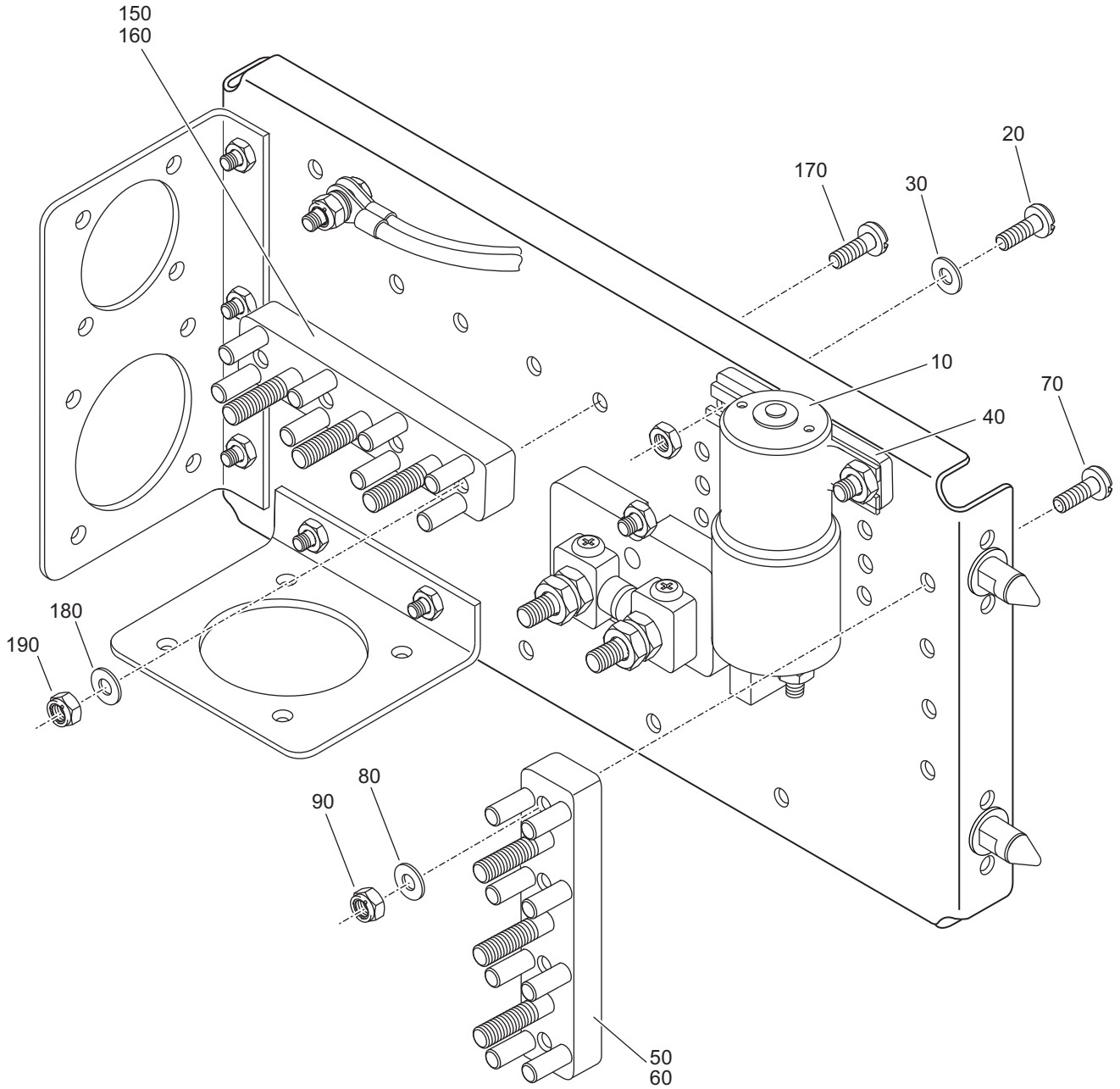


Figure 04 - LH/RH Relay Assembly (RH Shown)

Fig Item	Part Number	Nomenclature	Units Per Assy	From S/N	To S/N
04-1		LH/RH Relay Assembly	RF	D42L.ALL	
010	26.58.09	. Relay <i>***Attaching Parts for item 010</i>	2		
020	AN3-6A	. . Bolt	4		
030	AN960-10	. . Washer	4		
040	DA4-2466-10-05_1	. . Spacer <i>***End of Attaching Parts for item 010</i>	2		
050	MS18029-1S3	. Cover, Terminal Block, 3 Pos	2		
060	MS27212-1-3	. Terminal Block, 3 Pos <i>***Attaching Parts for item 060</i>	2		
070	MS35206-215	. . Screw	4		
080	AN960-10	. . Washer	4		
090	MS21083B04	. . Locknut <i>***End of Attaching Parts for item 060</i>	4		
100	MS18029-1S6	. Cover, Terminal Block, 6 Pos, LH	1		
110	MS27212-1-6	. Terminal Block, 6 Pos, LH <i>***Attaching Parts for item 110</i>	1		
120	MS35206-215	. . Screw	2		
130	AN960-10	. . Washer	2		
140	MS21083B04	. . Locknut <i>***End of Attaching Parts for item 110</i>	2		
150	MS18029-1S3	. Cover, Terminal Block, 3 Pos, RH	1		
160	MS27212-1-3	. Terminal Block, 3 Pos, RH <i>***Attaching Parts for item 160</i>	1		
170	MS35206-215	. . Screw	2		
180	AN960-10	. . Washer	2		
190	MS21083B04	. . Locknut <i>***End of Attaching Parts for item 160</i>	2		

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**CHAPTER GSE
GROUND SUPPORT EQUIPMENT
AND
SPECIAL TOOLS**

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MAINTENANCE SPECIALTY TOOLS

CH-SE-SU	Description	Quantity	Part Number
22-00-00	Goodrich Slip Clutch Test Stand	1	20-9855-03
27-00-00	Rigging pin	7	VR-D41-2757-3000
	Rigging Pin	4	VR-D41-2723-5000
	Rudder Deflection Gauge	1	D60-5540-00-PL
	Rudder Trim tab deflection gauge	1	D60-5545-00-PL
	Elevator deflection gauge	1	D60-5520-00-PL
	Elevator Trim tab deflection gauge	1	D60-5525-00-PL
	Flap and Aileron check gauge	1	D60-5753-00-PL
29-00-00	Manometer To test Hydraulic pressure	1	X11-P001
	Nitrogen Bottle with pressure reducer	1	X11-P003
30-00-00	TKS Set	1	A00305
	Drive slot tool	1	12160-01
32-00-00	Aft bearing centering tool	1	VR-D60-3217-12-31
	Front bearing centering tool	1	VR-D60-3217-12-30
	Bearing housing puller	1	VR-D60-3217-11-00
32-40-00	Cleveland brake riveting set	1	Cleveland 199-00100
34-00-00	Pitot static probe adapter	1	65797-07
51-00-00	Stud pliers	1	Camloc 4 P 3
57-00-00	Main bolt removal tool	1	VR-DA4-5700-00-30

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