

**ILLUSTRATED PARTS CATALOG
STC SR00811SE**



**ENGINE INLET BARRIER FILTER SYSTEM
Eurocopter AS350B Series**

This document provides information to assist with the identification of parts and assemblies for the 1350IN1-1/-7/-17 Engine Inlet Barrier Filter System installed on the Eurocopter AS350B, BA, B1, B2 & B3 (single hydraulics) Series helicopters in accordance with STC SR00811SE.

RECORD OF REVISIONS

REV	DATE	DESCRIPTION	BY	APPV'D
IR	1/13/2009	Initial Release	RJK	REB
A	02/09/2009	Added parts (17-24) omitted on initial release for Alternate Air Assy. also pages 20 & 21.	RJK	REB
B	05/31/2011	Completely revised.	BEV	BEV

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Page: _____ **Item #:** _____

Now Reads: _____

Should Read: _____

Comments: _____

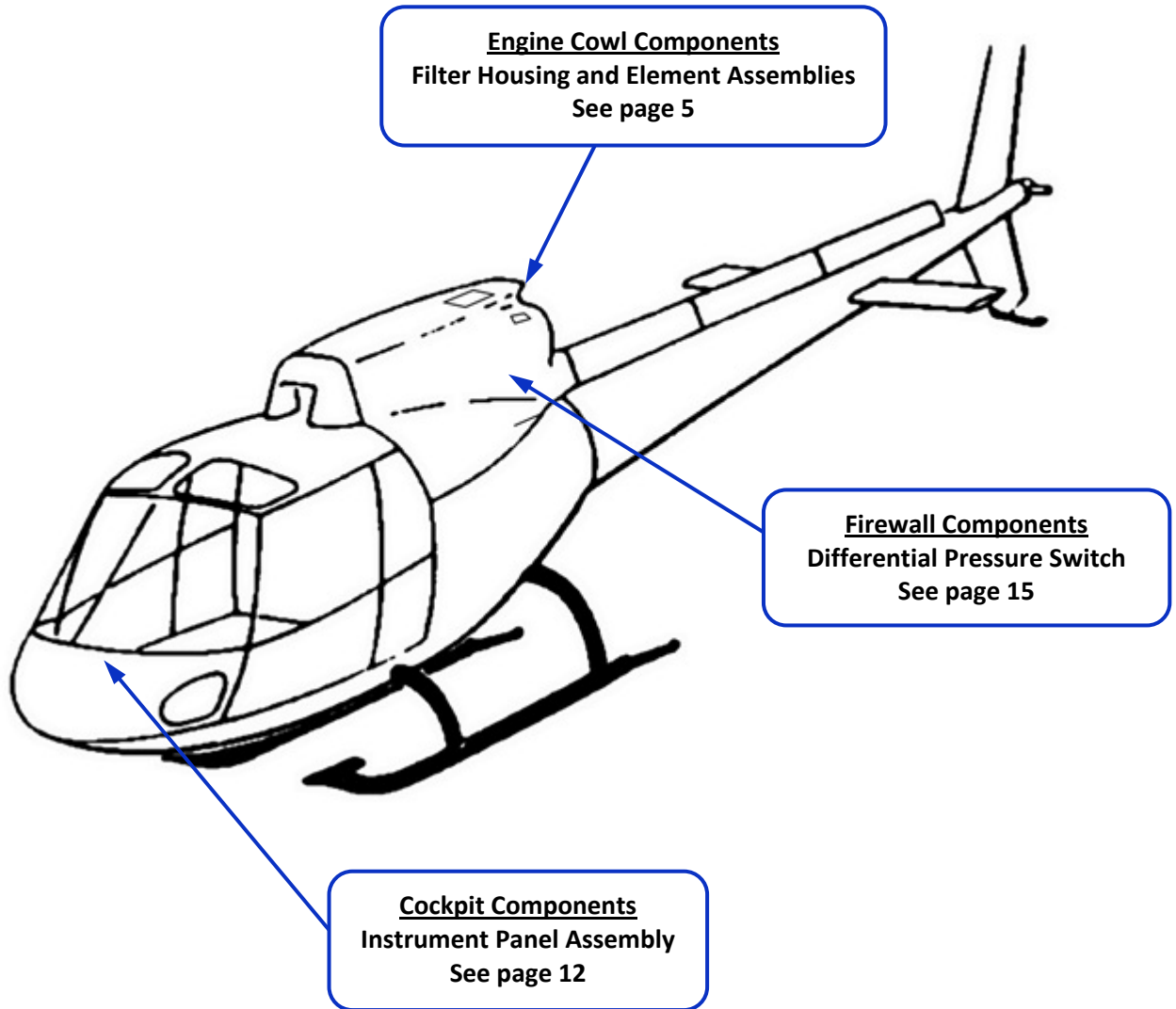
Your Name: _____

Address: _____

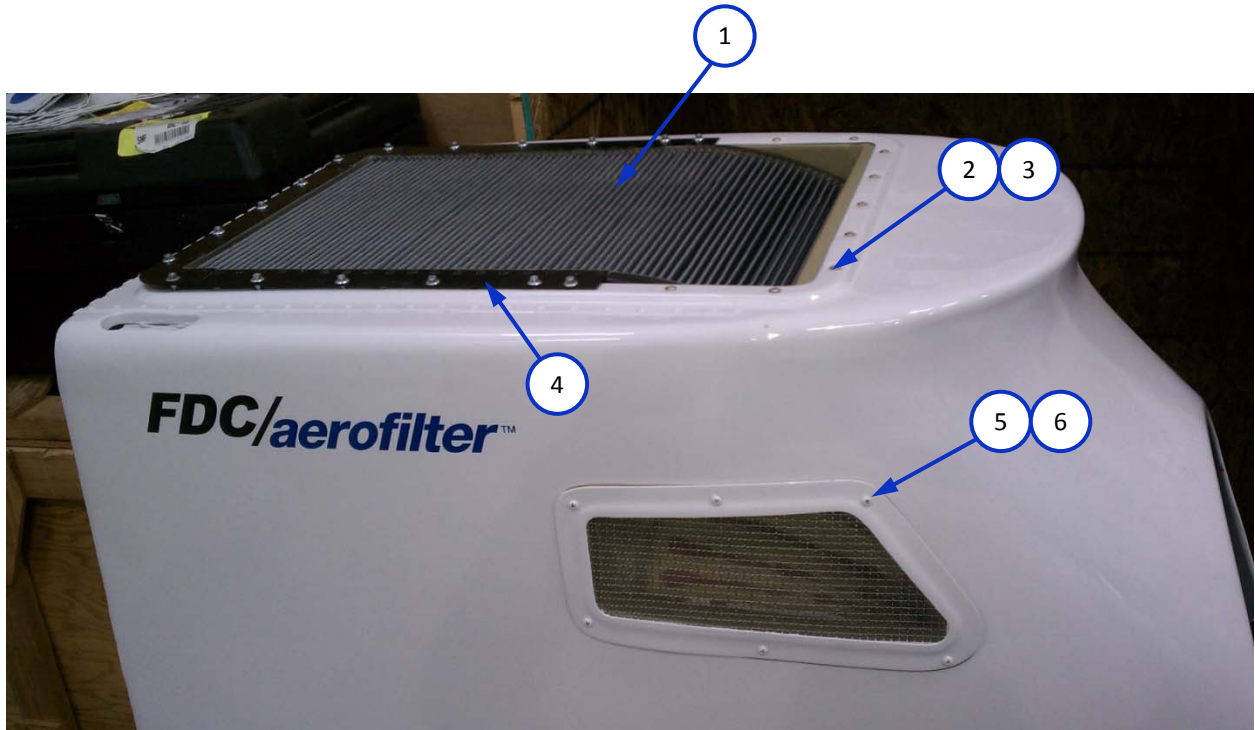
Position: _____ **Telephone No:** _____

Company: _____

Filter System: P/N 1350IN1-1/-7/-17



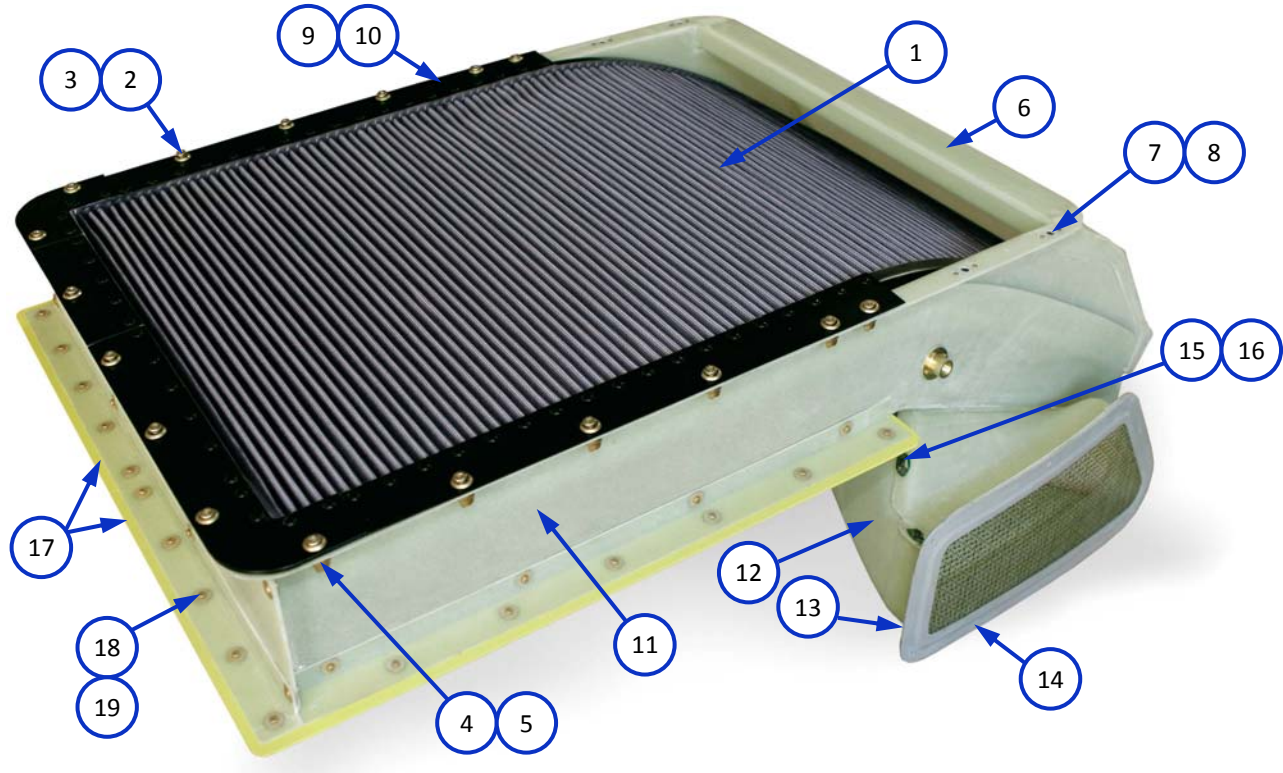
Filter System Installation in Engine Cowl



ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
1	(1)	Filter System	---	1
2	NAS603-6P	Screw	---	9
3	NAS1149F0316P	Washer	---	9
4	NAS514P832-6	Screw (located under flange of element)	---	6
5	NAS602-6P	Screw	---	12
6	NAS1149FN816P	Washer	---	12

(1) See "Filter System Outside of Engine Cowl" for breakdown.

Filter System Outside of Engine Cowl

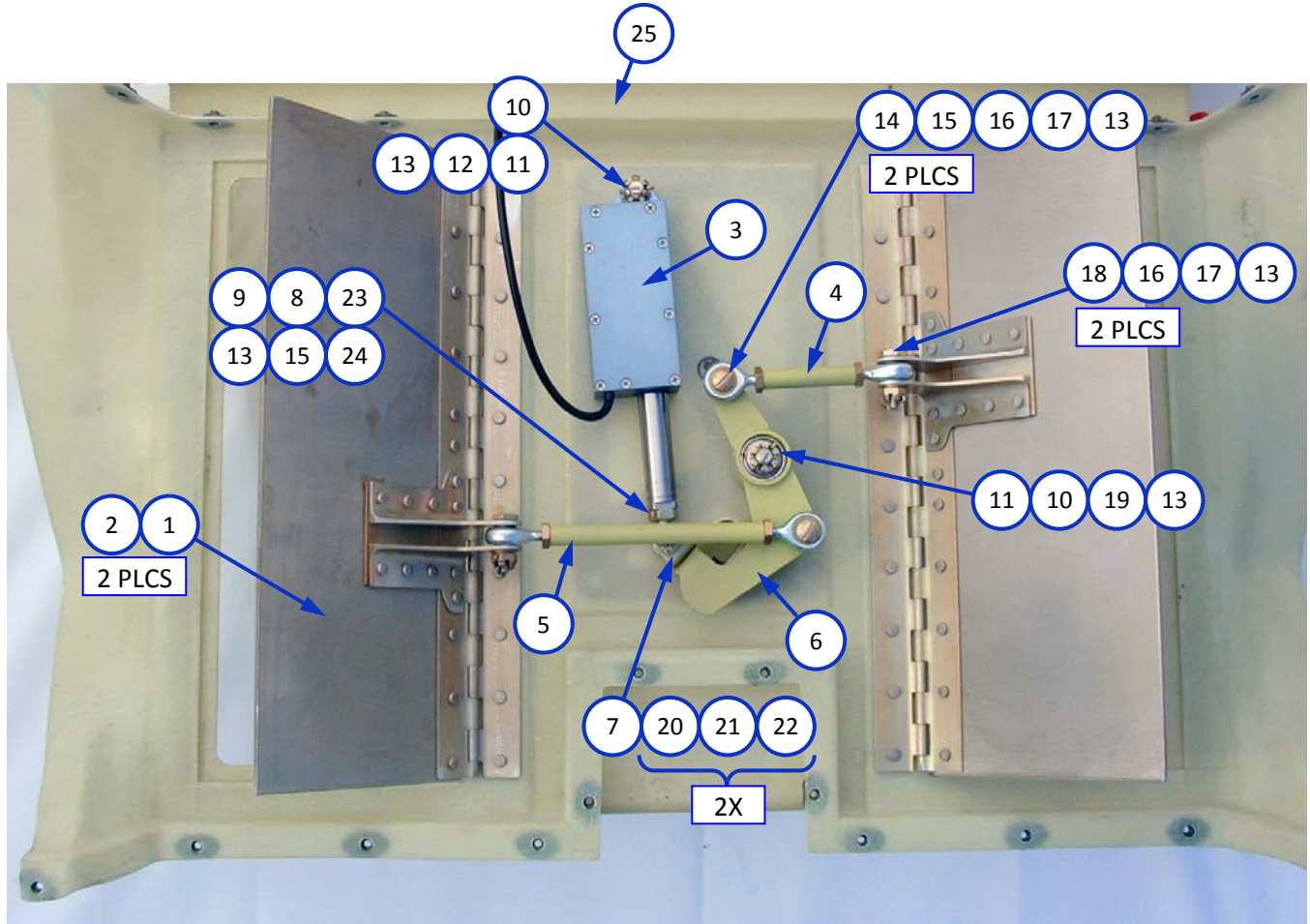


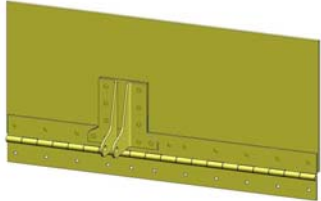



ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
1	1350A2-1	Filter Element	See above	1
2	26S8-6	Stud	See above	17
3	2600-LW ⁽¹⁾	Retaining Ring	See above	17
4	26R16-1 ⁽²⁾	Receptacle, Encapsulated	See above	17
5	MS20426A3-4-5	Rivet	See above	34
6	1350A3-1 (-1/-7 system) 1350A3-3 (-17 system)	Upper Housing Assembly	See above	1
7	MS21059L3	Nutplate (located on underside of upper housing flange)	---	9
8	MS20426AD3-4	Rivet	---	18
9	MS21059L08	Nutplate (located on underside of upper housing flange)	---	6
10	MS20426AD3-4	Rivet	---	12
11	1350A4-3	Lower Housing Assembly	See above	1
12	1350A6-1	Alternate Air Lower Housing	See above	1
13	1350P1-50 (LH) 1350P1-60 (RH)	Closure, Alternate Air Inlet	See above	1 1
14	1350P1-70 (LH) 1350P1-80 (RH)	Screen Assembly	See above	1 1





ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
15	NAS601-6P	Screw	---	14
16	NAS1149FN816P	Washer	---	14
17	1350P3-203 ⁽³⁾	Reinforcement Plate	See above	2
18	MS20426AD4-5	Rivet	---	30
19	NAS1149DN516J	Washer	---	30

- (1) Alternate p/n: 1126004-6 Stud with 1127700 Retaining Ring or 26S107-6-1AA Stud.
- (2) Early filter systems were manufactured using p/n 212-12N non-encapsulated receptacle (Reference Service Bulletins SB.FDC.AS350.0013 & 0014).
- (3) Early filter systems were manufactured using p/n 1350P3-103/-104 reinforcement plates (Reference Service Bulletin SB.FDC.AS350.0012).

Alternate Air Assembly/Components
 (Located on underside of 1350A4-3 Lower Housing Assembly)

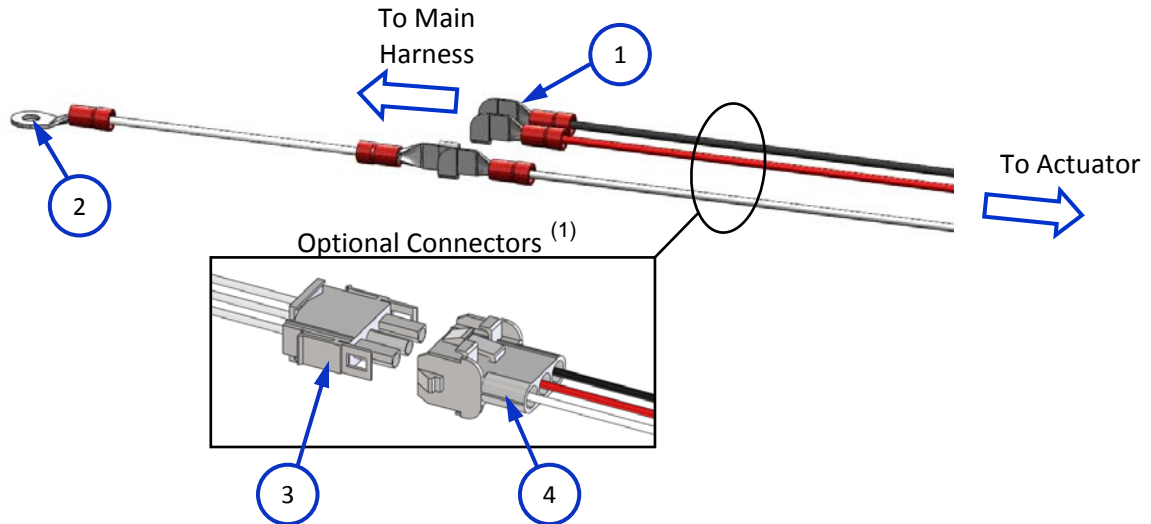


ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
1	1350P2-3	Door Assembly		2
2	MS20426AD4-7	Rivet	---	22
3	A281-3 ⁽¹⁾	Linear Actuator (Supersedes P/N 1206-50-2A)		1
4	1350P2-9	Rod Assembly		1
5	1350P2-7	Rod Assembly		1

ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
6	1350P2-1	Bellcrank Assembly		1
7	1350P2-121	Spring, Actuator		1
8	1350P2-115	Lug, Actuator		1
9	1350P2-133	Bushing, Actuator Lug		1
10	NAS1149F0432P ⁽²⁾	Washer	---	2
11	NAS1149F0416P ⁽³⁾	Washer	---	2
12	AN310-4	Nut, Castle	---	1
13	AN380-2-2	Pin, Cotter	---	7
14	AN23-12	Bolt, Clevis	---	2
15	NAS1149F0363P ⁽⁴⁾	Washer	---	3
16	NAS1149F0332P ⁽⁵⁾	Washer	---	4
17	AN310-3	Nut	---	4
18	AN3-6	Bolt	---	2
19	AN320-4	Nut, Castle	---	1
20	MS16997-31	Screw, #8-32 Socket Head Cap	---	2
21	NAS1149FN816P	Washer	---	2
22	MS21042L08	Nut, Self Locking, #8-32	---	2
23	MS35650-3252	Jam Nut	---	1
24	MS20392-2C23	Pin	---	1
25	MS35489-4	Grommet (located in 1350A6-1)	---	1

- (1) See Service Information Letter SIL.FDC.ALL.0012 for actuator exchange program.
- (2) Use for shimming as required. Located under actuator and above bellcrank as manufactured.
- (3) Use for shimming as required. Located above actuator and below bellcrank as manufactured.
- (4) At bellcrank connection. Located between rod end and bellcrank.
- (5) Located under nut.

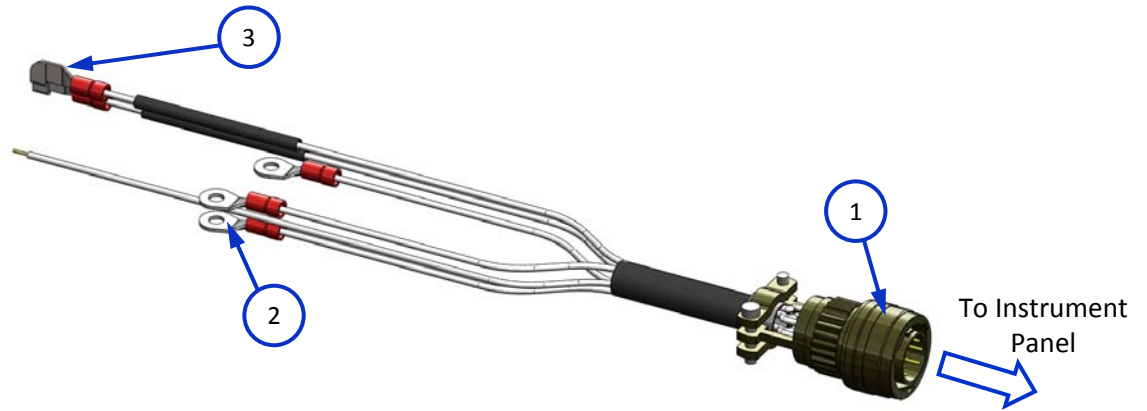
Linear Actuator Electrical Terminations



ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
1	32446	Disconnect, Knife	See above	4
2	MS25036-149	Terminal Ring	See above	1
3	050-84-1030 ⁽¹⁾	Plug, 3 Socket Molex 42021 Series	See above	1
4	050-84-2030 ⁽¹⁾	Cap, 3 Pin Molex 42022 Series	See above	1

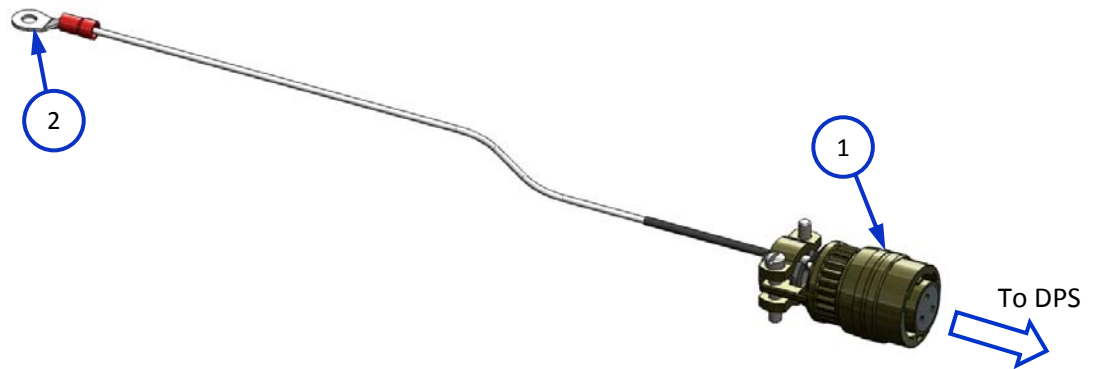
⁽¹⁾ Knife disconnects supplied on / with actuator harness and main harness may be replaced with optional Molex connectors listed above. Any 3 circuit plug and cap combination from the series listed is acceptable. Molex connectors not available from FDC/aerofilter.

Main Wire Harness



ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
---	1350E1-1	Wire Harness	See above	1
1	MS3116F10-6P	Connector	See above	1
2	MS25036-149	Terminal, Ring	See above	3
3	32446	Disconnect, Knife	See above	2

Wire Harness for Differential Pressure Switch (DPS)



ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
---	1350E1-3	Wire Harness	See above	1
1	MS3106F10SL-3S	Connector	See above	1
2	MS25036-149	Terminal, Ring	See above	1

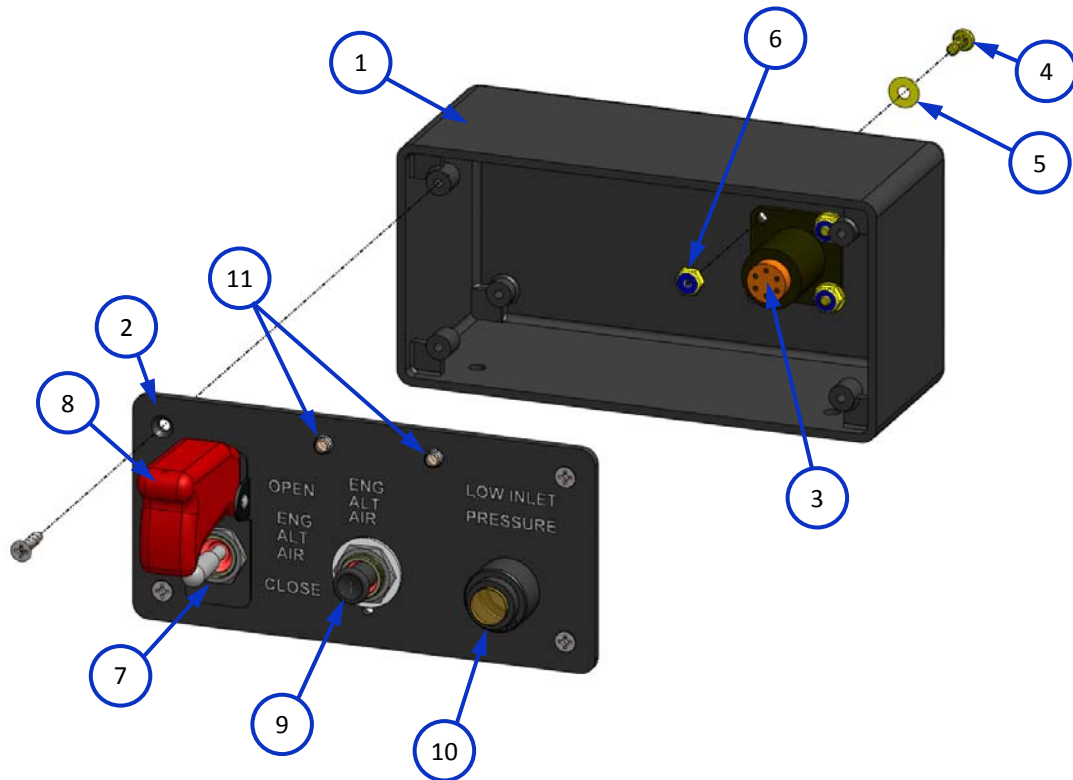
Instrument Panel Assembly Installation




Instrument Panel Assy. Mounting Hardware (not shown above)

ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
-	NAS602-8P	Screw	---	2
-	NAS1149DN832J	Washer	---	2
-	MS21042L08	Nut, Self Locking	---	2

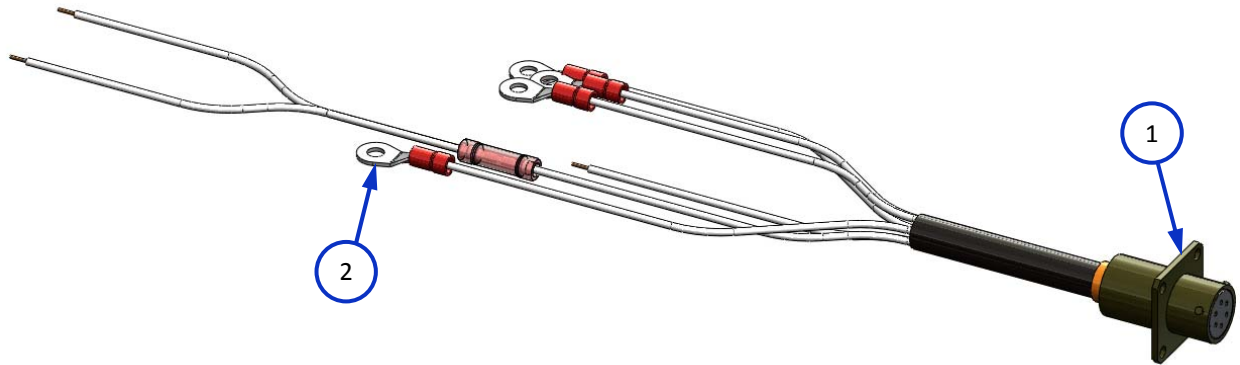
Instrument Panel Assembly
(P/N 1350A11-1)



ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
---	1350A11-1	Instrument Panel Assembly	See above	1
1	1350A11-103	Cover	See above	1
2	1350A11-101	Panel	See above	1
3	1350A11-3 ⁽¹⁾	Wire Harness (wires not shown)	---	1
4	MS35206-214	Screw	See above	4
5	AN960-4L	Washer	See above	4
6	MS21083N04	Nut, Locking	See above	4
7	MS35059-23	Switch Assembly	See above	1
8	MS25224-4	Switch Guard	See above	1
9	MS26574-1	Circuit Breaker Assembly	See above	1
10	MS25041-4-327	Light Assembly	See above	1
11	A350CN1WBKSH28	Post Light Assembly (not shown)		2

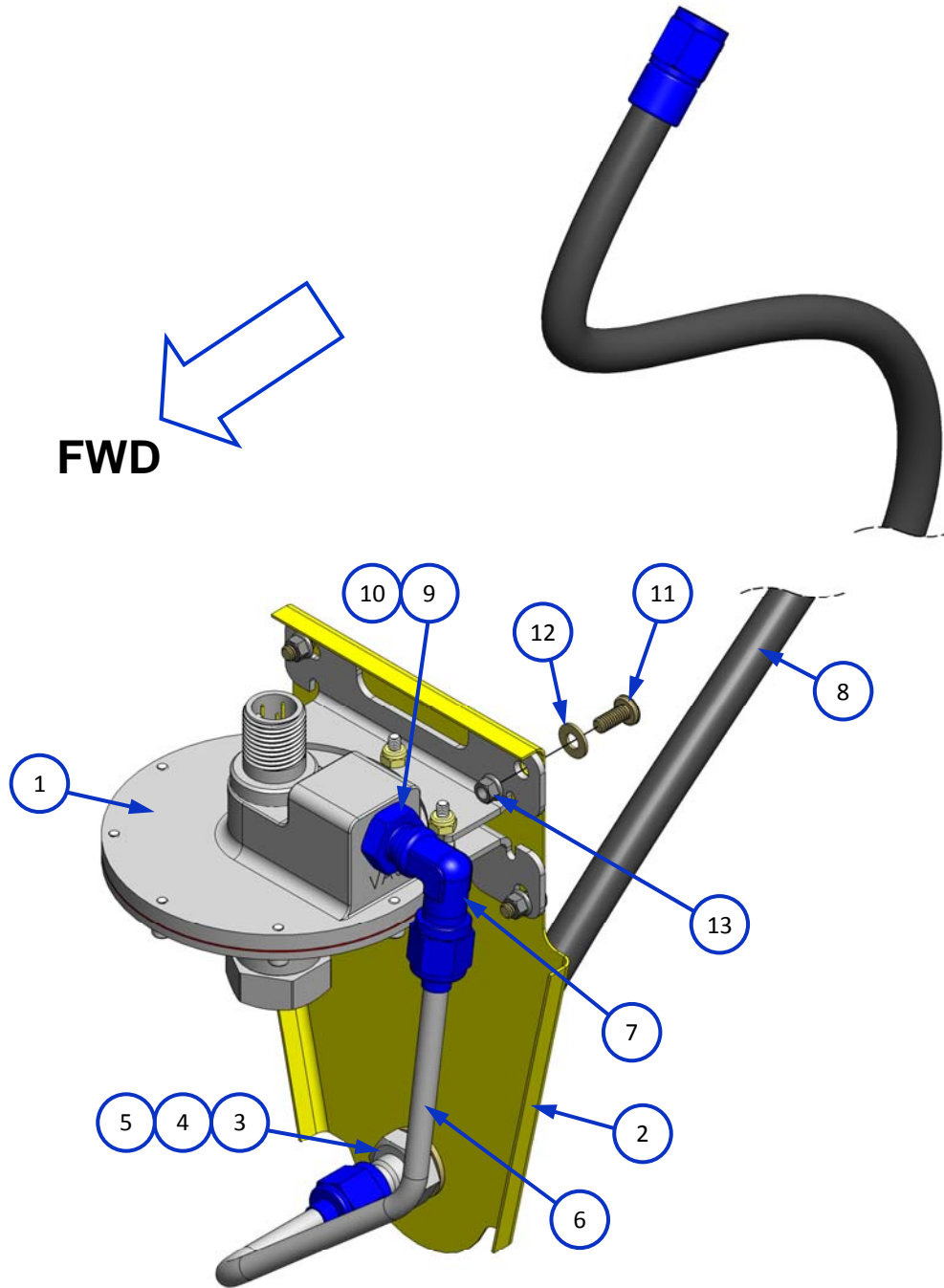
⁽¹⁾ See "Wire Harness, Instrument Panel Assembly" for breakdown.

Wire Harness, Instrument Panel Assembly

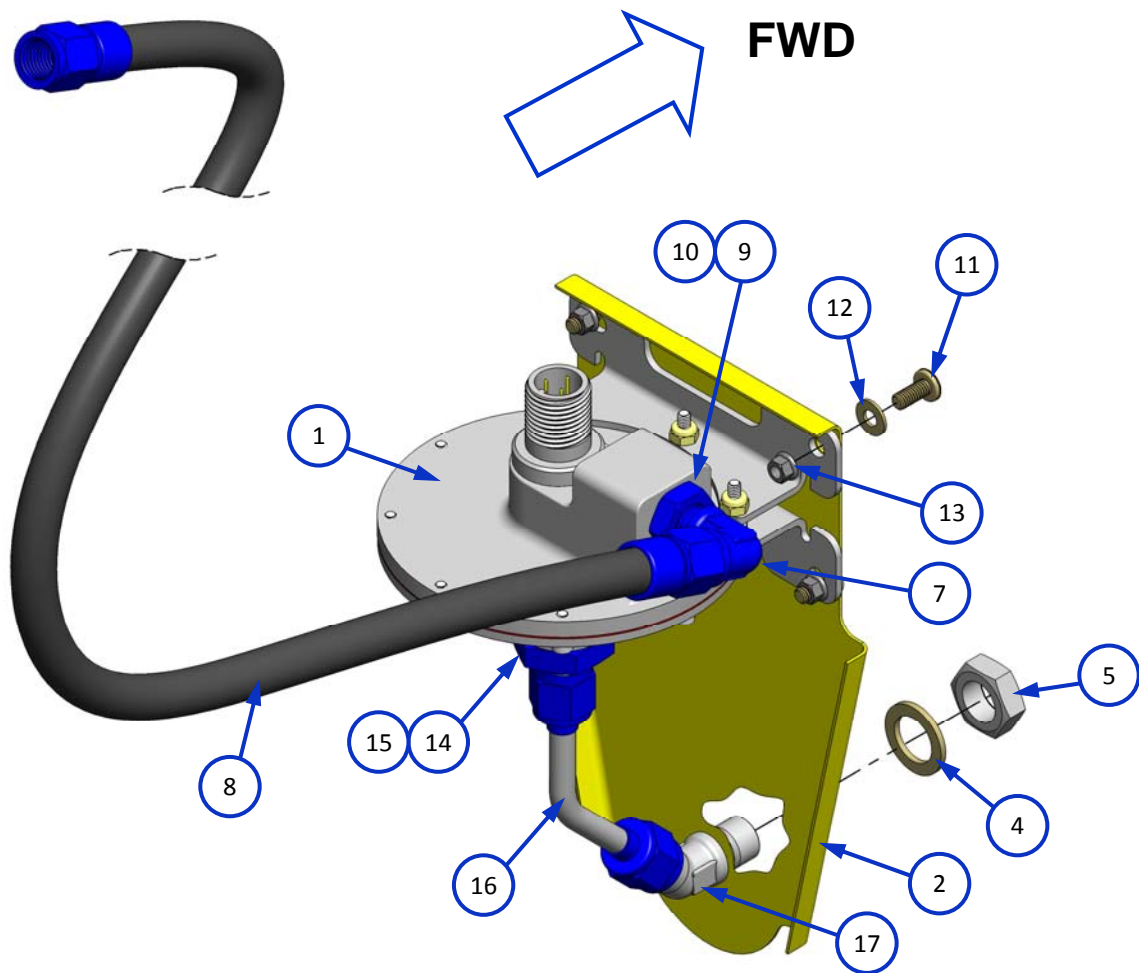


ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
---	1350A11-3	Wire Harness	See above	1
1	MS3110E10-6S	Connector, Bulkhead	See above	1
2	MS25036-149	Terminal, Ring	See above	4

Differential Pressure Switch (DPS) Installation
(Preferred Location – Transmission Side of Firewall)



Differential Pressure Switch (DPS) Installation
(Alternate Location – Engine Side of Firewall) ⁽²⁾



ITEM	PART NUMBER	ITEM NAME	APPEARANCE	QTY.
1	A486-1 ⁽¹⁾	Differential Pressure Switch	See above	1
2	1350P6-109	Plate	See above	1
3	AN837-4J	45° Fitting	---	1
4	NAS1149F0763P	Washer	---	1
5	AN924-4J	Nut	---	1
6	1350P6-5	Tube Assembly	See above	1
7	AN833-4D	Elbow	See above	1
8	1350P6-7 (-7/-17 system) 1350P6-3 (-1 system)	Hose Assembly	See above	1
9	MS28778-4	O-Ring	---	1
10	AN924-4D	Nut	See above	1
11	NAS602-6P	Screw	See above	4
12	NAS1149FN832P	Washer	See above	4
13	MS21042L08	Nut	See above	4
14	MS28778-4 ⁽²⁾	O-Ring	---	1
15	1350P6-103 ⁽²⁾	Fitting	---	1
16	1350P6-1 ⁽²⁾	Tube Assembly	See above	1
17	1350P6-107	Fitting	---	1

- (1) A486-1 supersedes p/n 98505-32210. If p/n A486-1 is used to replace p/n 98505-32210 for an installation on the engine side of the firewall, p/n 1350K1-1 Adapter Kit may be required (see note 2).
- (2) If p/n A486-1 DPS with a -7 size static port is installed on the engine side of the firewall, p/n 1350K1-1 Adapter Kit is required. MS28778-4 O-Ring, 1350P6-103 Fitting, and 1350P6-1 Tube Assembly are replaced by MS29512-07 O-Ring, 1350P8-101 Reducer, and 1350A17-1 Tube Assembly when 1350K1-1 Adapter Kit is installed.