



FLETCHEIR, INC.
9000 RANDOLPH STREET HOUSTON, TX 77061
(713) 641-2023 FAX (713) 643-0070

SERVICE KIT # SK156

SUBJECT

Instrument panel toggle switch replacement for all AA-1 and AA-5 series aircraft.

PURPOSE

This service kit provides instructions for the modification of the instrument panel to install improved toggle switches replacing the Carlingswitch part # TA201-TB-W.

SPECIAL TOOLS/EQUIPMENT REQUIRED

Standard aircraft mechanics tools.

EFFECTIVE MODELS/SERIALS

Models	Serial Numbers	Kit Number
AA-1 , AA-1A	0001 & UP	Kit 1
AA-1B	0001-0237	
AA-5	0001-0405	
AA-1B	0238-0680	Kit 2
AA-5	0406-0834	
AA-1C, AA-5A, AA-5B	0001 & UP	

PARTS LIST

Part #	Name	Quantities	
		Kit 1	Kit 2
FA102312-1	Mounting plate	1	
FA102312-2	Mounting plate		1
FA102312-3	'Off' Placard	5	6
FA102312-4	'On' Placard	5	6
FA102312-5	'Nav Lts' Placard	1	1
FA102312-6	'Fuel Pump' Placard	1	1

PARTS LIST (continued)

Part #	Name	Quantities	
		Kit 1	Kit 2
FA102312-7	'Strobe' Placard	1	1
FA102312-8	'Pitot Heat' Placard	1	1
FA102312-9	'Ldg Lt' Placard	1	1
FA102312-10	'Flash Bcn' Placard	1	1
MS35058-22	Toggle Switch	5	6
1691-0412	Avdel Rivet	6	6
36149	Ring Terminal	10	12

WEIGHT & BALANCE

Negligible Effect

PRICE

Kit 1	TBD
Kit 2	TBD

MODIFICATION INSTRUCTIONS (Kit 1)

1. Prepare aircraft for safe maintenance as follows:
 - 1.1 Ensure master and magneto switches are off.
 - 1.2 Disconnect the positive cable from the battery and secure.
2. Ensure that toggle switch wires are identified as to function, then disconnect wires from switches.
3. Remove TA201-TB-W switches from the panel.
4. Cut metal placard vertically one inch to the left of dimmer knob centerline. Remove toggle switch portion of placard from panel (i.e. portion that has fuel pump, nav lts, etc).
5. Modify panel as shown in **Figure 1** by cutting through the metal panel and its plastic cover and then drilling the holes shown to match the FA102312-1 mounting plate.
6. Remove blade type terminals from the switch wires and install the ring terminals provided.
7. Attach the FA102312-1 mounting plate to the instrument panel using the rivets provided (see **Figure 2**).
8. Install the MS35058-22 toggle switches and connect the corresponding wires to the switches.
9. Affix the placards provided as shown in **Figure 2**.

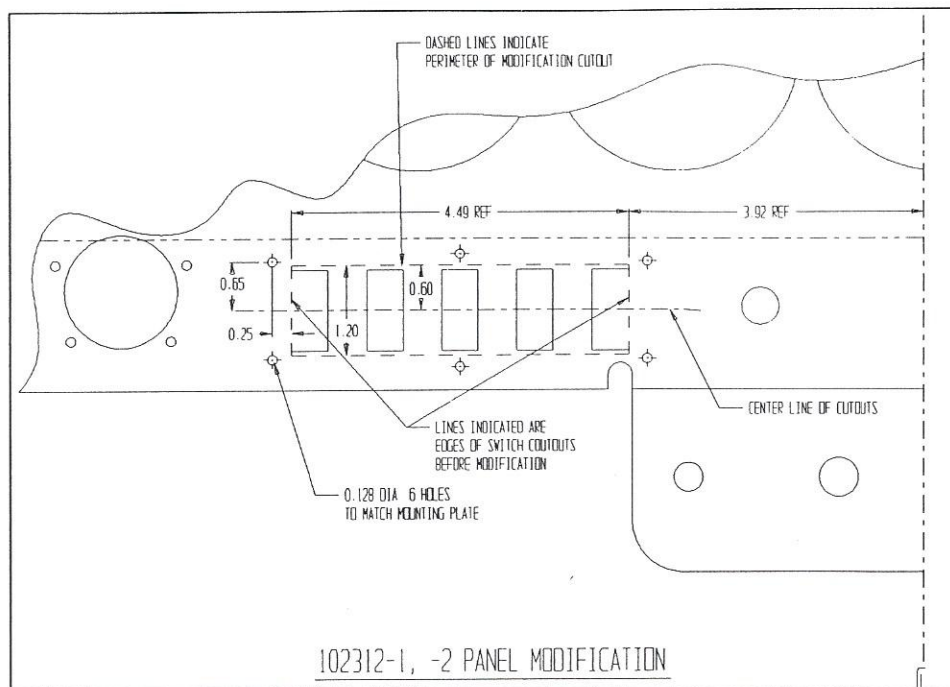


Figure 1

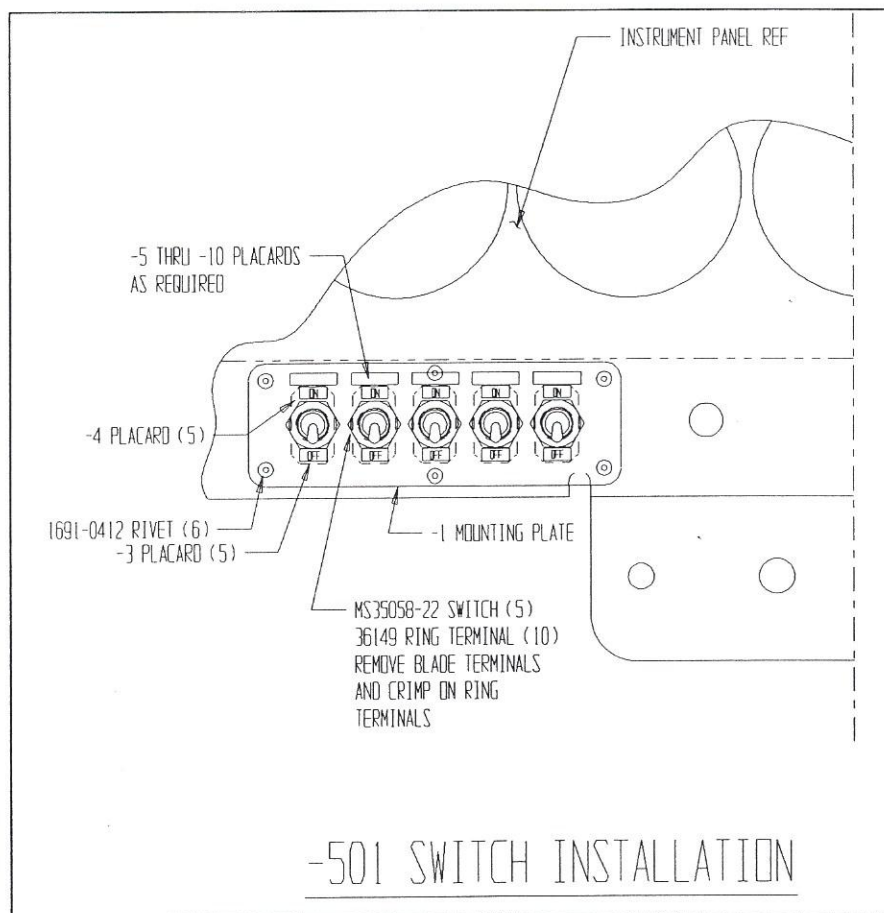


Figure 2

10. Return the aircraft to service as follows:
 - 9.1 Reconnect the positive cable to the battery.
 - 9.2 Perform a functional check of the new switches.
 - 9.3 Record the installation of this service kit modification in the aircraft log book.

MODIFICATION INSTRUCTIONS (Kit 2)

1. Prepare aircraft for safe maintenance as follows:
 - 1.1 Ensure master and magneto switches are off.
 - 1.2 Disconnect the positive cable from the battery and secure.
2. Ensure that toggle switch wires are identified as to function, then disconnect wires from switches.
3. Remove TA201-TB-W switches from the panel.
4. Cut metal placard vertically one inch to the left of dimmer knob centerline. Remove toggle switch portion of placard from panel (ie portion that has fuel pump, nav lts, etc).
5. Modify panel as shown in Figure 3 by cutting through the metal panel and its plastic cover and then drilling the holes shown to match the FA102312-2 mounting plate.
6. Remove blade type terminals from the switch wires and install the ring terminals provided.
7. Attach the FA102312-2 mounting plate to the instrument panel using the rivets provided (see Figure 4).
8. Install the MS35058-22 toggle switches and connect the corresponding wires to the switches.
9. Affix the placards provided as shown in Figure 4.
10. Return the aircraft to service as follows:
 - 9.1 Reconnect the positive cable to the battery.
 - 9.2 Perform a functional check of the new switches.
 - 9.3 Record the installation of this service kit modification in the aircraft log book.

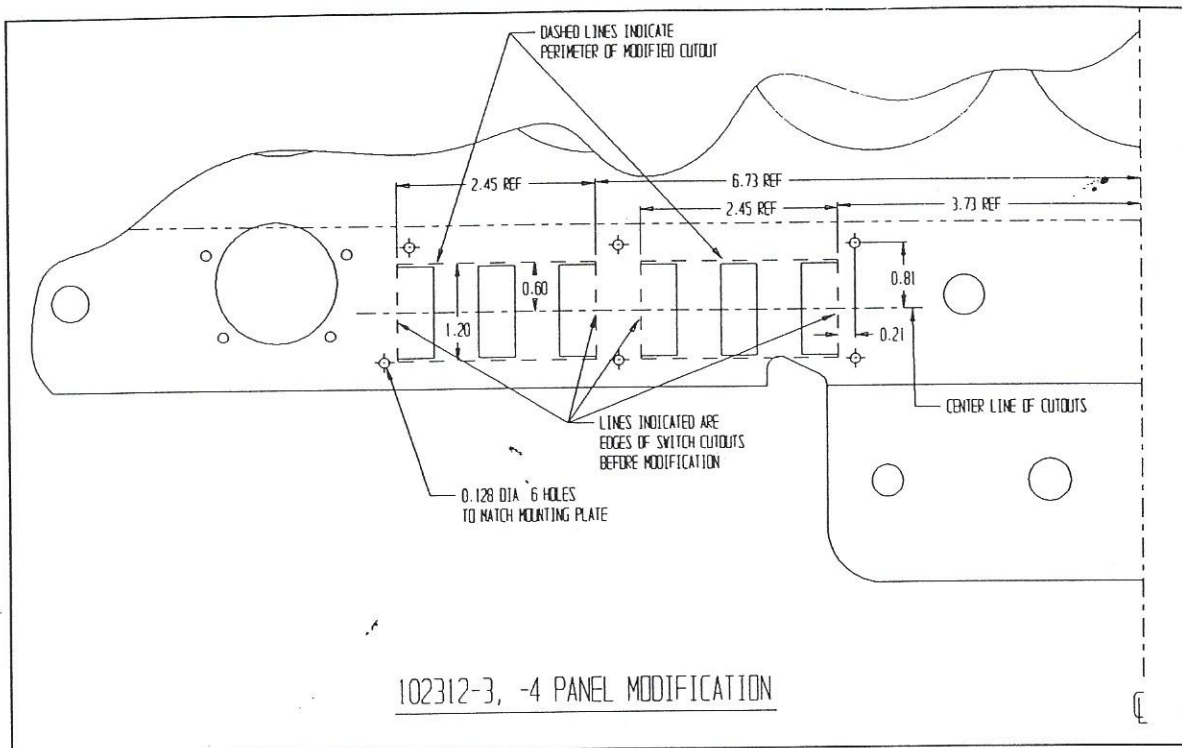


Figure 3

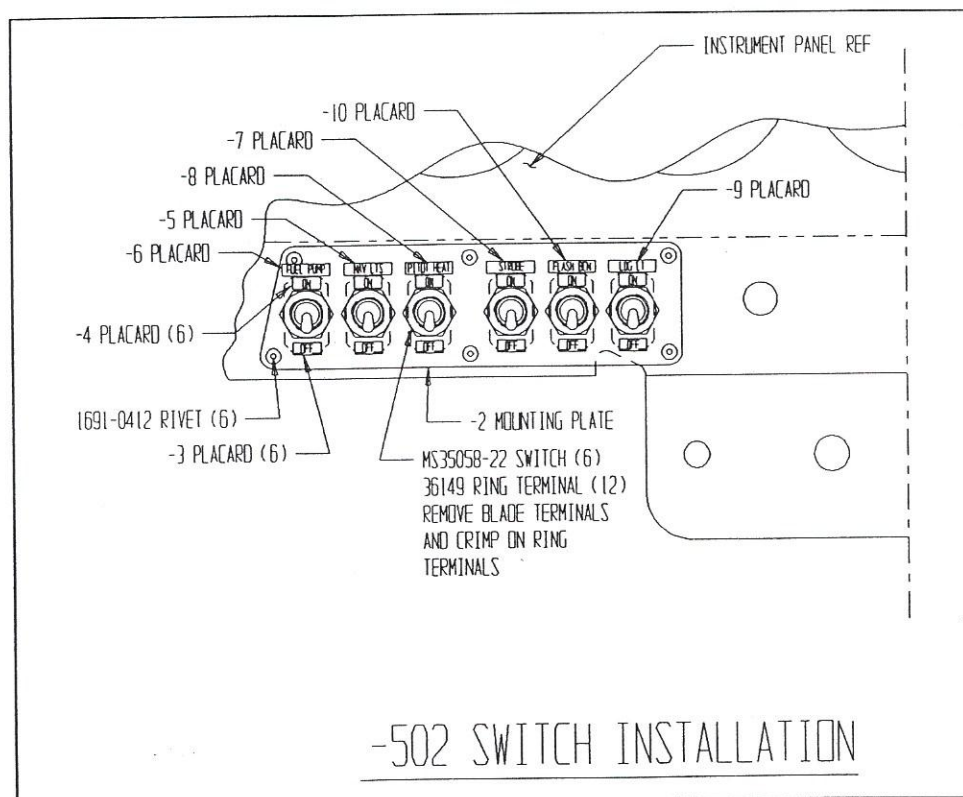


Figure 4

