

Subject: Fuel Drain Guard

Helicopters Affected: All Airbus Helicopters model AS350 series helicopters with Onboard Systems Fuel Drain Guards installed per STCs SR01164SE, SR01393SE, or SR01588SE.

Parts Affected: Fuel Drain Guard P/N 290-889-00

Compliance: Recommended at or before time of compliance with Airbus Helicopters Service Bulletin No. AS350-05.00.76.

Ownership: Please review this information and determine if the equipment is still in your possession. If this equipment is no longer in your possession, please forward this notice to the current owner or to your customer, as applicable.

Description: The Onboard Systems Fuel Drain Guard Kit provides mechanical protection to minimize accidental contact with and possible opening of the fuel drain valve assembly on AS350 helicopters. The kit includes a Guard (see Figure 1) which is installed on the bottom of the fuel tank and interfaces with the helicopter's existing fuel drain lever and valve.

Airbus Helicopters has issued a service bulletin (No. AS350-05.00.76) that requires an inspection of the gap between the interface of the lever and valve. The presence of the Guard prevents inspection of this gap. To accommodate this inspection Onboard Systems has revised the Guard to add a hole which allows a feeler gauge to be inserted between the lever and the contact surface on the valve to verify that the gap meets the requirements per the Airbus Helicopters service bulletin.

Figure 1 Fuel Drain Guard P/N 290-889-00





Service Bulletin

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Revision: 0 Date: 05/22/14

Action: Two options are available to comply with this service bulletin:

- (1) Remove and modify the Guard in the field per the instructions in this service bulletin and re-install, OR
- (2) Obtain a replacement Guard (P/N 290-889-01) from Onboard Systems and remove existing Guard P/N 290-889-00 and install replacement Guard per the instructions in this service bulletin.

Manpower: Approximately 4.0 man-hours will be required.

Required Material: The following material is required for accomplishment of this bulletin and may be obtained from Onboard Systems:

- Guard P/N 290-889-01
- Seal P/N 610-024-00 (Airbus Helicopters P/N SD16-21P)

Special Tools: None

Weight and Balance: Not affected

Electrical Load Data: Not affected

References: Airbus Helicopters SB No. AS350-05.00.76

Publications Affected: Owner's Manuals: 120-104-01, 120-104-02, 120-104-03, 120-107-01, 120-107-02, and 120-116-00. ICA Manuals: 123-011-01, 123-011-02, 123-011-03, 123-014-01, 123-014-02, and 123-020-00.

The latest manual revisions are available through Onboard Systems' web site at www.onboardsystems.com.

Point of Contact: For additional assistance, contact Keys Miller at Onboard Systems. Phone: 360-546-3072 or 1-800-275-0883. Email: keys@onboardsystems.com.

Disposition of Parts Removed: If obtaining a replacement Guard from Onboard Systems, return the removed Guard to the factory as an exchange.

Material/Part availability: Contact Onboard Systems for parts availability.

Accomplishment Instructions:

1. Visually check the appearance of the Guard over the fuel drain. If a slot or a hole is present at the location shown in Figure 1 which allows the gap between the fuel drain valve and the lever to be inspected this Service Bulletin has been complied with. This slot or hole for inspection is on the opposite side from the slot for the retainer tab (see Figure 2). If there is not a slot or hole present in the location shown in Figure 1, proceed to step 2. Refer to Figure 2 for installation overview.

NOTICE

The original Guard part number is 290-889-00; the part number of the Guard after compliance with this Service Bulletin (with the additional slot or hole) is P/N 290-889-01.

Figure 1 Verifying Guard Configuration

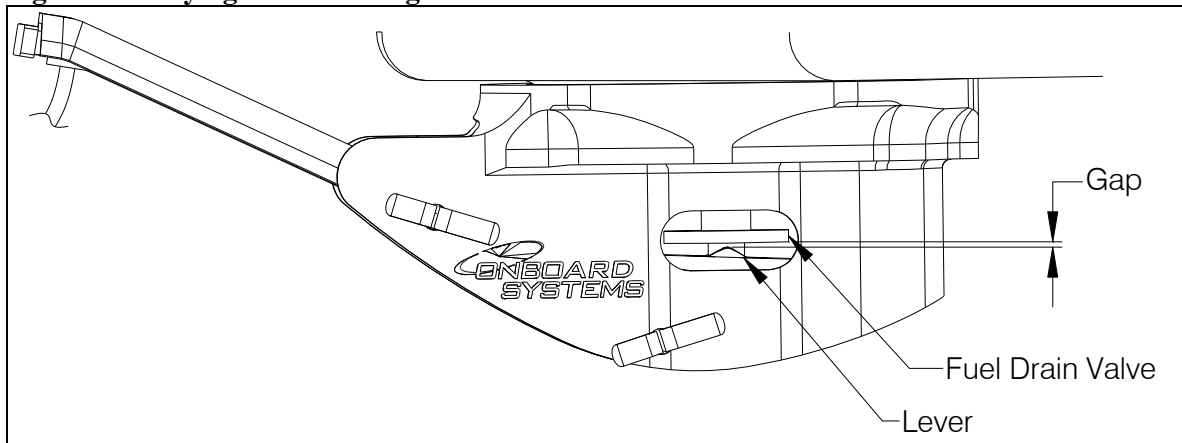
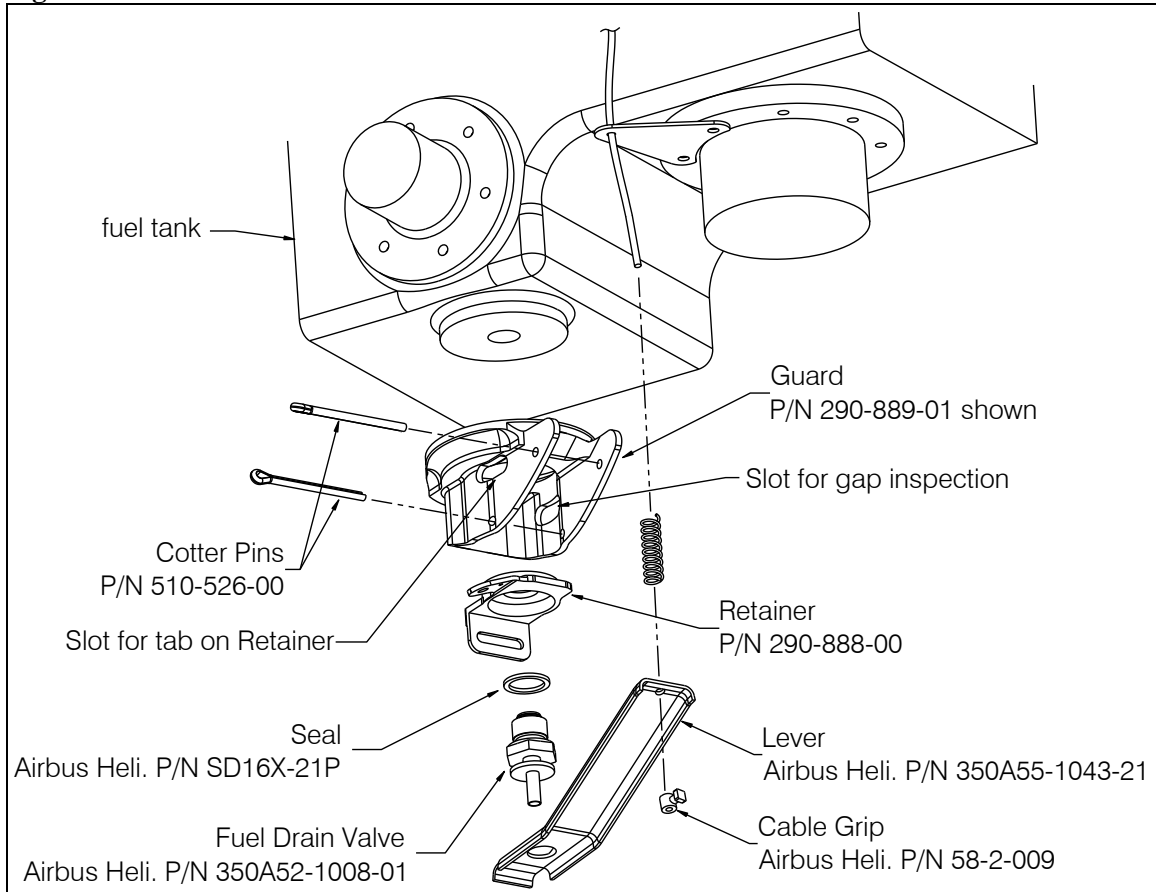


Figure 2 Fuel Drain Valve Installation Overview



2. Drain the fuel from the tank.
3. Remove the ground wires from the Retainer tab.
4. Remove the two (2) cotter pins from the Guard.
5. Loosen the screw on the cable grip on the cable at the end of the lever.
6. Remove the lever (Airbus Helicopters P/N 350A55-1043-21) from the slot in the Retainer.
7. Cut safety wire and unthread the valve and remove it and the seal from the bottom of the fuel tank.
8. Pry the Retainer loose from the bottom of the tank and remove it and the Guard. The Retainer is attached with sealant so use care when removing it to avoid damaging it or the tank. Separate the Retainer from the Guard by sliding its tab out of the slot.

9. If the Guard is to be modified in the field, there are two options: (1) create a slot as detailed in Figure 3 or (2) drill a .625" hole as detailed in Figure 4. Remove Guard from fuel tank before modifying and after modifying apply a MIL-DTL-5541 chemical conversion coating such as Alodine 1201 to the bare aluminum surface.

Figure 3 Guard Field Modification Detail – Option 1

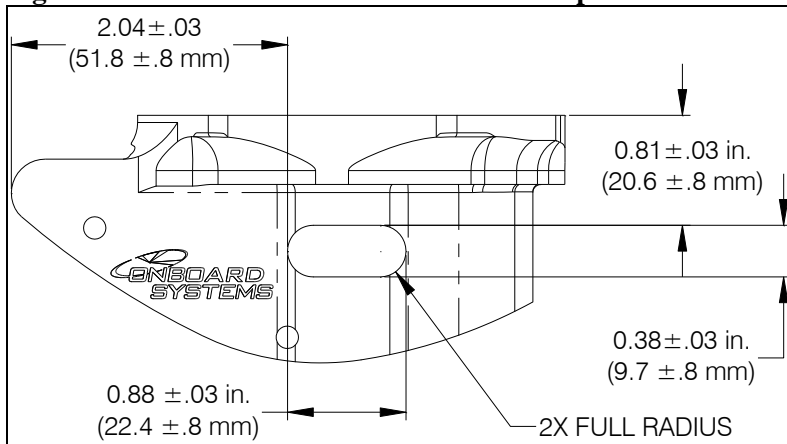
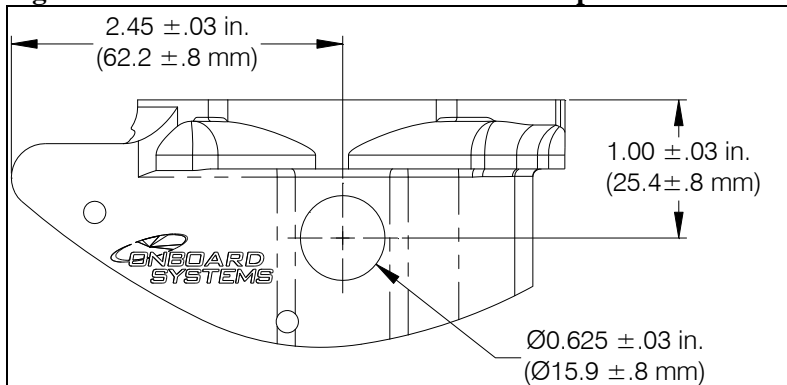


Figure 4 Guard Field Modification Detail – Option 2



10. Install the field modified Guard or replacement Guard per the kit's ICA Manual (see page 2 for listing of document numbers).
11. Perform the inspection as required by the Airbus Helicopters' Service Bulletin.
12. Make logbook entry as appropriate.