



# SERVICE INSTRUCTION

SI-25-03  
Revision 0

**TITLE: Floor Board Modification**

## **SUBJECT / REASON / DESCRIPTION:**

This Service Instructions provides instructions for modification of the pilot and co-pilot floor boards to enable maintenance of the MLG elastomer assemblies without removal of seats and floor boards.

## **COMPLIANCE:**

Compliance is optional

## **EFFECTIVITY:**

All FBA-2C1 and FBA-2C2 aircraft

## **APPROVAL:**

This modification has been approved by FAC Engineering and TCCA where applicable.

## **MANPOWER REQUIREMENTS:**

It is estimated this modification will take an experienced mechanic approximately 2-hours to complete excluding time necessary to open, and close the aircraft.

## **WARRANTY**

This Service Instruction is NOT covered under warranty.

## **SPECIAL TOOLS / EQUIPMENT:**

Sharp 2.25 hole saw  
Power drill

## **PARTS LIST (BILL OF MATERIALS):**

**Kit: FACSI-25-03-K01**

Qty	Part #	Description
1	F1115	Pilot Kick Plate
1	F1117	Co-Pilot Kick Plate
8	MS51957-43	Screws
8	N-17	“T” nuts
2	F1271	Rubber

## **WEIGHT & BALANCE:**

Not applicable

## **DRAWINGS/MANUALS:**

FAC2-M200 Maintenance Manual

FAC2-M250 Illustrated Parts Catalog

## **INSTRUCTIONS:**

1. If previously installed; remove left and right kick plates.
2. If kick plates were not previously installed removal of forward seats and floor boards is required.

**Note** steps 3-8 provide instruction for cutting of the access hole with floor boards installed in the aircraft. Similar procedures can be used to modify floor boards removed from the aircraft.

3. Apply masking tape to protect surrounding area of both floor boards where the access holes will be cut.

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4. Determine the location for Pilot's floor board access hole according to measurements provided in Figure 1 as measured from the left-aft corner of the console.
5. Determine the location for Co-Pilot's floor board access hole according to measurements provided in Figure 2 as measured from the right-aft corner of the console.

**Caution :** Prevent the hole saw from penetrating too far beyond the bottom of the floor board, or application of excess force which may result in damage to the lower fiberglass layer of the floor board or MLG elastomer assembly.

6. Using a sharp hole cutter held at 90 degrees to the surface of the floor board cut a 2.25 inch hole through both floor boards.
7. Lightly deburr the upper and lower edges of new holes in the floor board using 240 grit sandpaper
8. Seal exposed edges of the holes using epoxy resin, or epoxy primer.
9. Reinstall rubber under the kick plate so that it extends  $\frac{3}{4}$  inch beyond the edge of the kick plates preventing contact with, and damage to the fuel lines. Reinstall kick plates OR
10. Install new kick plates part number F1115 (left) and F1117 (right).
  - a. Position kick plates with 1/16 inch clearance from the side of the center console and position the aft edge of the kick plate 4-inches aft, of the aft edge of the console.

**NOTE:** Minor location changes are permitted as required to ensure adequate clearance between the kick plates and fuel lines.

- b. Mark-hole locations according to pre-drilled holes in kick plates.
- c. Remove kick plates and drill # 8 holes through the floor board.

**Caution:** Application of excess force may result in damage to the lower fiberglass layer of the floor board.

- d. Seal exposed edges of holes using epoxy resin, or epoxy primer.
- e. Install T-Nuts (N-17) onto the bottom surface of the floor board by inserting a T-nut into each hole and lightly tapping until the base of the T-nut makes contact with the lower surface of the floor board.

- f. Install floor boards.
- g. Install rubber under the kick plate so that it extends  $\frac{3}{4}$  inch beyond the edge of the kick plates preventing contact with, and damage to fuel lines. Install kick plates using MS51957-43 screws.
- h. Reinstall seats.

**LOG BOOK CERTIFICATION:**

Make an appropriate entry indicating Service Instruction 25-03 Rev 0 cockpit floor board modification has been accomplished.

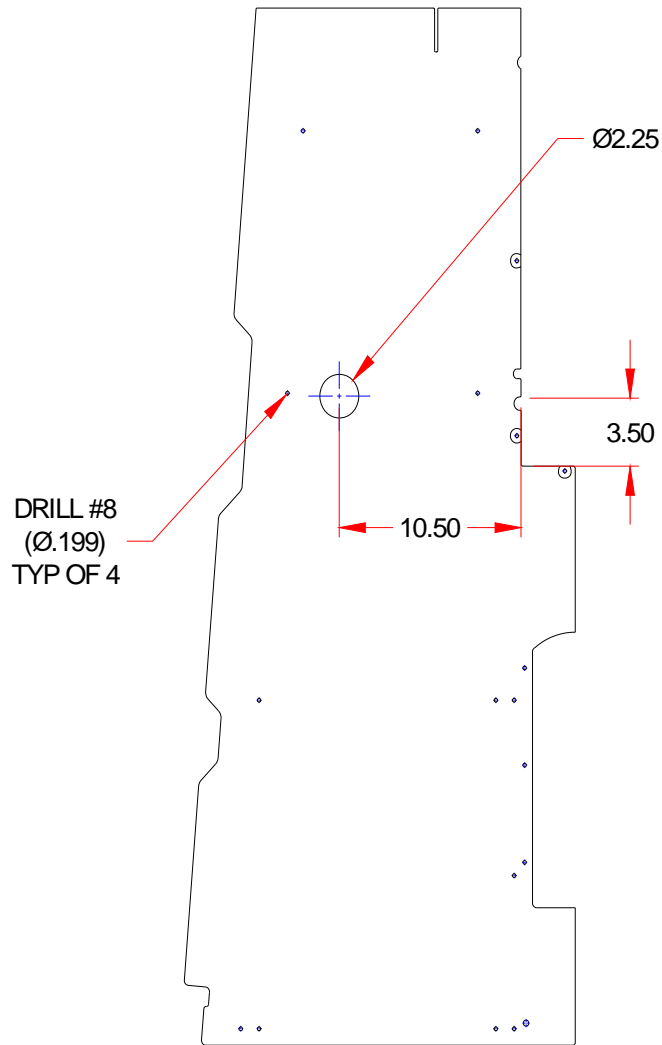


Figure 1 Pilot Floor Board

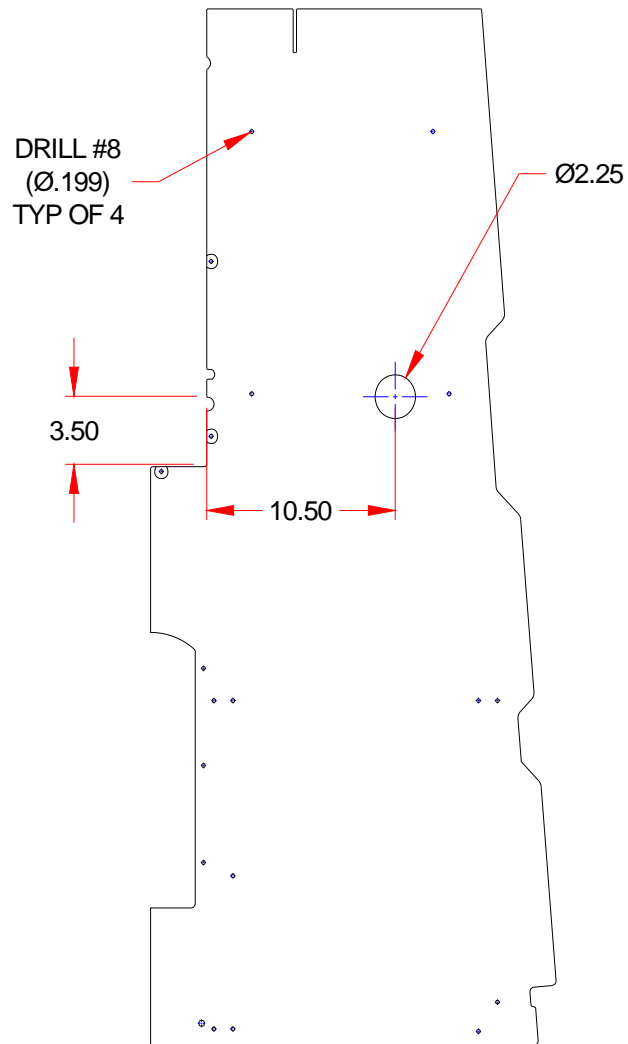


Figure 2 Co-Pilot Floor Board