

MODEL 172 SERIES SERVICE MANUAL

SECTION 3

FUSELAGE

TABLE OF CONTENTS	Page No. Aerofiche/ Manual
FUSELAGE	1F9/3-1
Windshield/Windows	1F9/3-1
Description	1F9/3-1
Cleaning/Waxing	1F12/3-4
Windshield/Window	
Installation Techniques ...	1F12/3-4
Repair	1F13/3-4A
Scratches	1F13/3-4A
Cracks	1F15/3-5
Windshield	1F15/3-5
Removal	1F15/3-5
Installation	1F16/3-6
Windows	1F16/3-6
Movable	1F16/3-6
Removal/Installation	1F16/3-6
Wrap-Around Rear	1F16/3-6
Removal/Installation	1F16/3-6
Overhead	1F16/3-6
Removal/Installation	1F16/3-6
Fixed	1F16/3-6
Cabin Doors	1F17/3-7
Description	1F17/3-7
Removal/Installation	1F17/3-7
Adjustment	1F17/3-7
Weatherstrip	1F17/3-7
Latches (Thru 17275034 & F17202134)	1F17/3-7
Description	1F17/3-7
Adjustment	1F17/3-7
Lock	1F21/3-11
Indexing Inside Door Handle	1F21/3-11
Latches (Beginning with 17275035 & F17202135) ...	1F21/3-11
Description	1F21/3-11
Installation, Rigging, and Adjustment Procedures	1F24/3-12B
Installation of Lock on Latch Assembly	1F24/3-12B
Installation of Lock Assembly	1F24/3-12B
Installation of Cable Assembly	1F24/3-12B
Rigging Cable Assembly	1G1/3-12C
Rigging Inside Door Handle	1G1/3-12C
Replacing Lock Assembly ...	1G3/3-12E
Indexing Inside Door Handle	1G3/3-12E
Baggage Door	1G3/3-12E
Removal/Installation	1G3/3-12E
Weatherstrip	1G3/3-12E
Seats	1G3/3-12E
Pilot and Copilot	1G3/3-12E
Description	1G3/3-12E
Removal/Installation	1G5/3-13
Center	1G5/3-13
Description	1G5/3-13
Removal/Installation	1G5/3-13
Auxiliary/Fold Up	1G5/3-13
Description	1G5/3-13
Removal/Installation	1G5/3-13
Repair	1G5/3-13
Cabin Upholstery	1G5/3-13
Materials and Tools	1G19/3-25
Soundproofing	1G19/3-25
Cabin Headliner	1G19/3-25
Removal/Installation	1G19/3-25
Upholstery Side Panels	1G19/3-25
Carpeting	1G19/3-25
Safety Provisions	1G19/3-25
Cargo Tie-Downs	1G19/3-25
Safety Belts	1G19/3-25
Shoulder Harness	1G20/3-26
Glider Tow Hook	1G20/3-26
Rear View Mirror	1G20/3-26
Seat Rail Inspection	1G20/3-26

3-1. FUSELAGE.

3-2. WINDSHIELD AND WINDOWS. (See figure 3-1.)

3-3. DESCRIPTION. The windshield and windows are single-piece, acrylic panels, set in sealing strips and held by formed retaining strips, secured to the fuselage with screws and rivets. FS-4291 sealer (TMK01 Kit, Supply Division Cessna Aircraft Company, P.O. Box 949, Wichita, KS 67201 316/685-9111, Telex 417-489) is applied to all edges of the windshield and windows, with exception of the wing root area. The wing root fairing has a heavy strip that completes the windshield sealing.

MODEL 172 SERIES SERVICE MANUAL

- 3-36. REMOVAL AND INSTALLATION. (See figure 3-6.)**
- a. Remove seat stops from rails.
 - b. Disengage seat belts by slipping buckle ends through seat belt retainer.
 - c. Crank vertical adjust seats to their maximum height.
 - d. Slide seat forward to disengage front rollers from seat rails.
 - e. Slide seat aft to disengage rear rollers from seat rails.
 - f. Lift seat out.
 - g. Reverse preceding steps to install seat. Ensure that all seat stops are installed.

WARNING

It is extremely important that pilot's seat stops are installed, since acceleration and deceleration could possibly permit seat to become disengaged from seat rails and create a hazardous situation, especially during takeoff and landing.

- 3-37. CENTER. (See figure 3-6.)**
- a. DOUBLE-WIDTH BOTTOM AND BACK/SINGLE RECLINING BACK.
 - b. DOUBLE-WIDTH BOTTOM/INDIVIDUAL RECLINING BACKS.
- 3-38. DESCRIPTION.** These seats are permanently bolted to the cabin structure and incorporate no adjustment provisions other than manually-adjustable three position backs.
- 3-39. REMOVAL AND INSTALLATION. (See figure 3-6.)**
- a. Remove bolts securing seat to cabin structure.
 - b. Lift seat out.
 - c. Reverse preceding steps for installation.
- 3-40. AUXILIARY/FOLD UP. (See figure 3-6.)**
- 3-41. DESCRIPTION.** These seats are permanently bolted to the cabin structure and have no adjustment provisions. The seat structure is mounted on hinge brackets with pivot bolts, thus allowing seat to be pivoted upward to acquire more baggage area.
- 3-42. REMOVAL AND INSTALLATION. (See figure 3-6.)**
- a. Remove bolts securing seat structure to hinge brackets.
 - b. Lift seat out.
 - c. Reverse preceding steps for installation.
- 3-43. REPAIR.** Replacement of defective parts is recommended in repair of seats.
- 3-44. CABIN UPHOLSTERY.** Due to the wide selection of fabrics, styles and colors, it is impossible to depict each particular type of upholstery. The following paragraphs describe general procedures which will serve as guides in removal and replacement of upholstery. Major work, if possible, should be done by an experienced mechanic. If the work must be done by a mechanic unfamiliar with upholstery practices, the mechanic should make careful notes during removal of each item to facilitate replacement later.

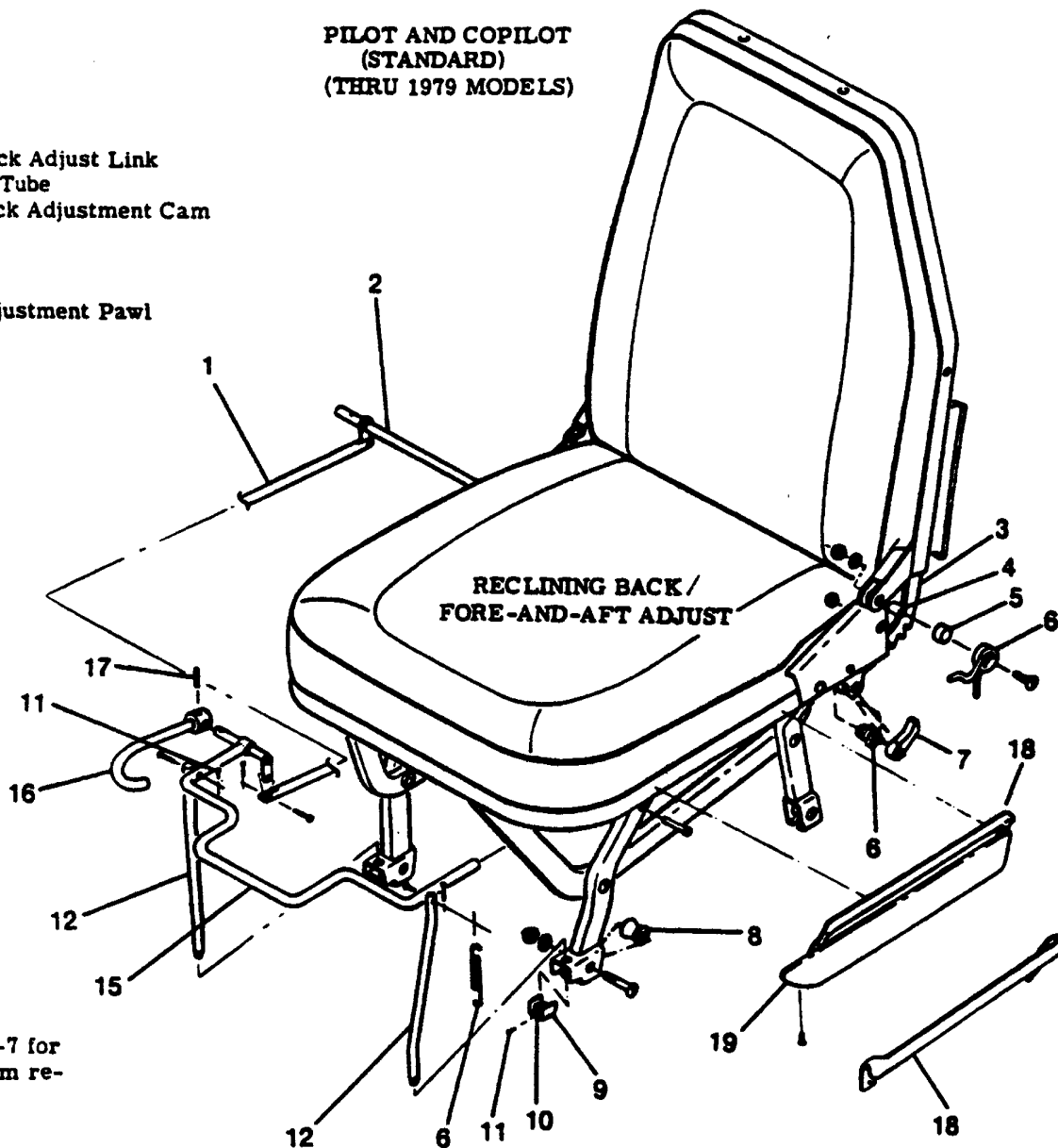
NOTE

Repair kits are available for the repair of cracks in ABS, PBC, PVCP, graphite and fiberglass material. (Cessna Supply Division, P.O. Box 949, Wichita, KS 67201, 316/685-9111, Telex 417-489.)

MODEL 172 SERIES SERVICE MANUAL

PILOT AND COPILOT (STANDARD) (THRU 1979 MODELS)

1. Seat Back Adjust Link
2. Torque Tube
3. Seat Back Adjustment Cam
4. Bushing
5. Spacer
6. Spring
7. Seat Adjustment Pawl
8. Roller
9. Bracket



10. Washer
11. Pin
12. Adjustment Pin
13. Seat Stop
14. Seat Rail
15. Fore/Aft Adjustment Handle
16. Recline Handle
17. Roll Pin
18. Seat Belt Retainer
19. Trim

NOTE

Beginning with late 1977 models, seat belt
retainer (18) is separate from seat trim (19)
and is attached directly to seat frame with
four screws.

Figure 3-6. Seat Installation (Sheet 1 of 11)

MODEL 172 SERIES SERVICE MANUAL

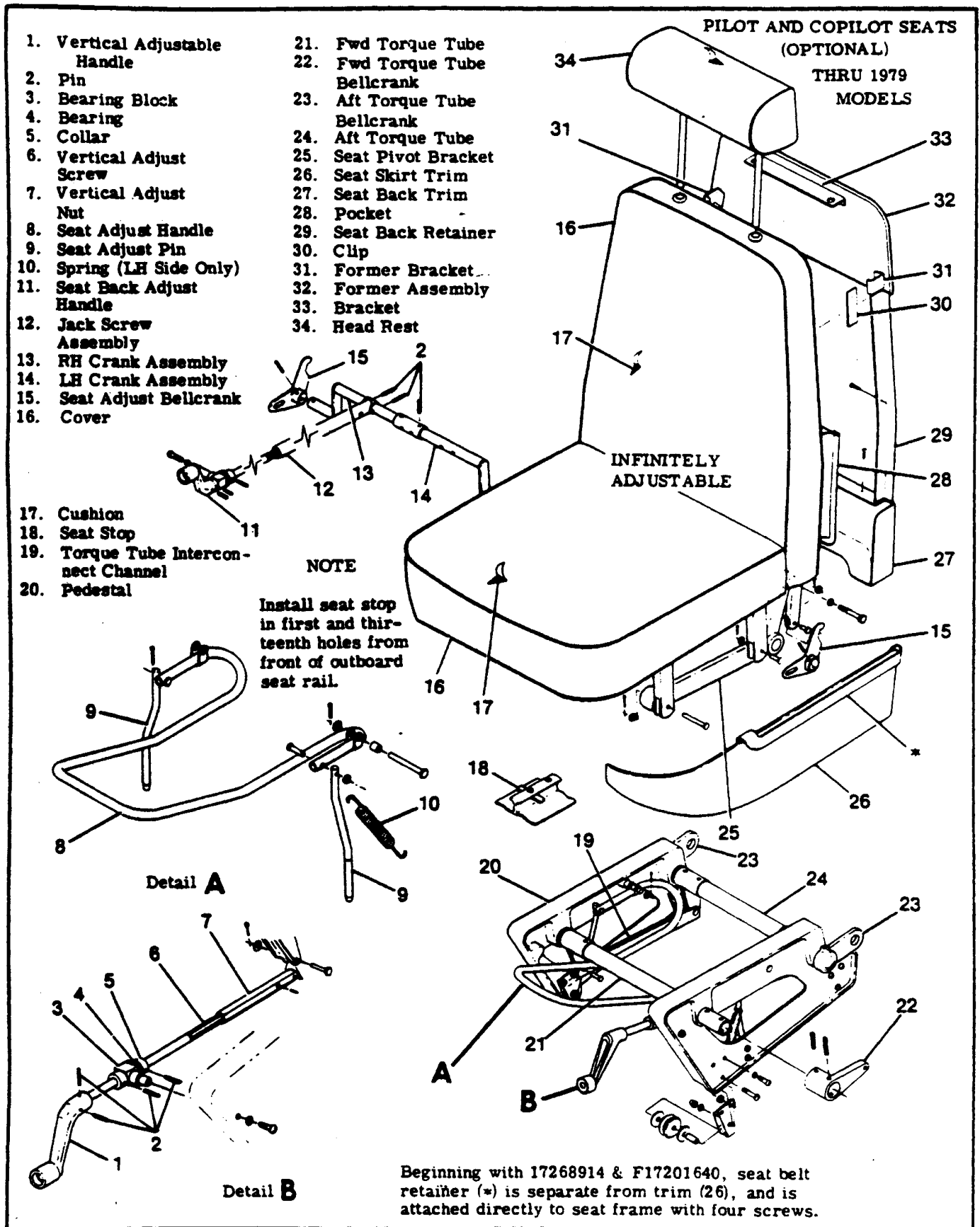


Figure 3-6. Seat Installation (Sheet 2 of 11)

MODEL 172 SERIES SERVICE MANUAL

SEAT STOP INSTALLATION - STANDARD SEAT

ELEVENTH SEAT STOP
HOLE FROM FWD EDGE
OF OUTBD PILOT'S &
COPILOT'S SEAT RAILS

1. Screw
2. Seat Stop
3. Seat Rail-Outboard
4. Seat Stop
5. Pin
6. Cotter Pin

17267585 thru 17272884
F17201515 thru F17201909

FIRST SEAT STOP HOLE
PILOT'S & COPILOT'S OUTBD
SEAT RAILS

17272885 thru 17276517
F17201910 thru F17202238

EXTREME AFT OUTBD
PILOT'S & COPILOT'S
SEAT RAILS.

17276518 & ON
F17202239 & ON

14.75"

WARNING

It is extremely important that pilot's seat stops are installed, since acceleration and deceleration could possibly permit seat to become disengaged from seat rails and create a hazardous situation, especially during takeoff and landing.

Figure 3-6. Seat Installation (Sheet 9 of 11)

MODEL 172 SERIES SERVICE MANUAL

SEAT STOPS INSTALLATION - OPTIONAL INFINITE-ADJUST SEAT

SECOND SEAT STOP HOLE PILOTS & COPILOTS OUTBD SEAT RAILS

17267585 thru 17272384
F17201515 thru F17201909

5.75"

EXTREME AFT OUTBD
PILOTS & COPILOTS
SEAT RAILS.

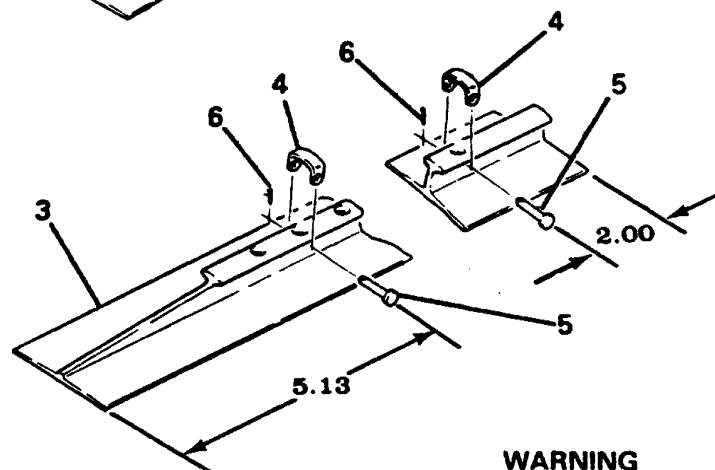
FIRST SEAT STOP HOLE PILOTS & COPILOTS OUTBD SEAT RAILS

17272885 thru 17276517
F17201910 thru F17202238

EXTREME AFT OUTBD
PILOTS & COPILOTS
SEAT RAILS.

1. Screw
2. Seat Stop
3. Seat Rail-Outboard
4. Seat Stop
5. Pin
6. Cotter Pin

17276518 & ON
F17202239 & ON

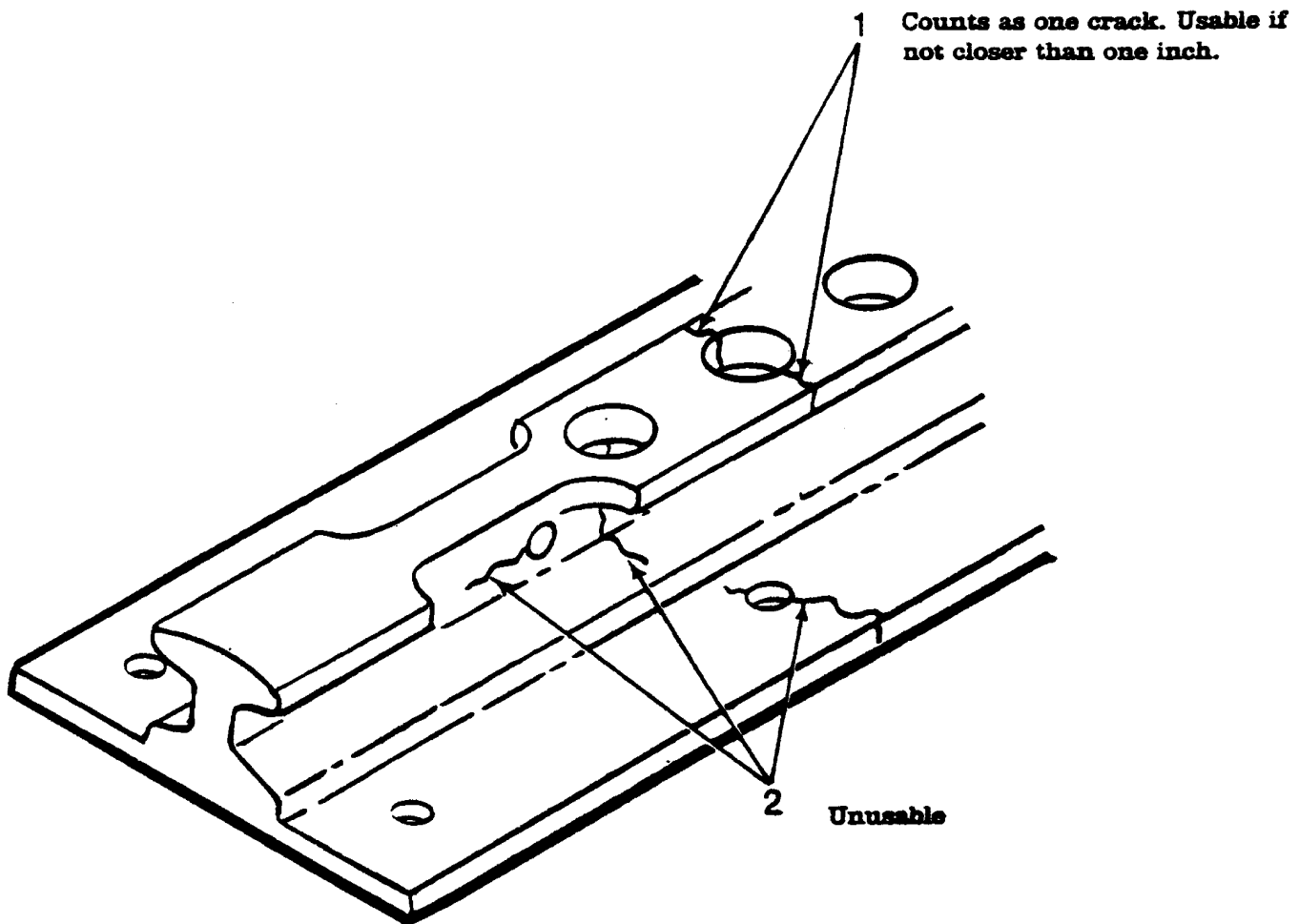


WARNING

It is extremely important that pilot's seat stops are installed, since acceleration and deceleration could possibly permit seat to become disengaged from seat rails and create a hazardous situation, especially during takeoff and landing.

Figure 3-6. Seat Installation (Sheet 10 of 11)

MODEL 172 SERIES SERVICE MANUAL



REPLACE SEAT RAIL WHEN:

- Any portion of web or lower flange is cracked (index 2).
- Any crack in crown of rail is in any direction other than right angle to length of rail.
- Number of cracks on any one rail exceeds four, or any two cracks (index 1) are closer than one inch.

NOTE

Use of seat rail cargo tie-downs is not permissible on seat rails with cracks.

Figure 3-12. Seat Rail Inspection