PILOT SEATS - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

A. This section gives the procedures to do the inspection of the crew seats to make sure that they are correctly attached to the track..

B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	*DESCRIPTION*	*EFFECTIVITY*
25-11-01-200-801-A ♦	COCKPIT SEATS - DETAILED INSPECTION	ALL
25-11-01-200-802-A	COCKPIT SEAT - INSPECTION	ALL

TASK 25-11-01-200-801-A
EFFECTIVITY: ALL

2. COCKPIT SEATS - DETAILED INSPECTION

A. General

(1) The function of this inspection is to make sure that the crew seats are securely attached to the tracks.

B. References

REFERENCE	*DESIGNATION*
AMM TASK 25-11-00-700-801-A/500	INERTIAL SEAT BELTS - TESTING
AMM TASK 25-11-01-000-801-A/400	PILOT SEAT - REMOVAL
AMM TASK 25-11-01-400-801-A/400	PILOT SEAT - INSTALLATION
AMM TASK 25-21-01-400-801-A/400	-
AMM TASK 53-01-05-000-801-A/400	COCKPIT SEAT TRACKS - REMOVAL
AMM TASK 53-01-05-100-801-A/700	COCKPIT SEAT TRACKS - CLEANING
AMM TASK 53-01-05-400-801-A/400	COCKPIT SEAT TRACKS - INSTALLATION
Alodine 1200	-
CPM 51-21-04	-
SRM 53-12-11/101	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
GSE 364	Jig-Drilling, Pilot Seat Track Instl	To assemble the seat tracks correctly	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	*IPC REFERENCE (VENDOR REFERENCE)*	*QTY*
MIL-C-81706	Alodine 1200	AR

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Does the task	Cockpit RH side/Cockpit LH side

I. Preparation

SUBTASK 841-002-A

(1) Make sure that the aircraft is safe for maintenance.

(2) Remove the crew seats (AMM TASK 25-11-01-000-801-A/400).

(3) To do the detailed inspection of the crew seats, have a direct source of good lighting to make the lighting conditions in the cockpit better.

J. Detailed Inspection of the Cockpit Seats for Security of Attachment to the Track, Including Restraint System (Figure 601)

SUBTASK 220-002-A

(1) Do a detailed inspection of the pilot and copilot seat tracks for wear as follows:

NOTE: These steps are applicable to each seat track of the pilot and copilot seat.

(a) Examine each seat track of the pilot and copilot seat for general conditions and degradation, cracks, damage, and wear that can you see easily.

(b) Use the damage limits SRM 53-12-11/101 to examine each seat track.

(c) If the wear in a seat track is larger than the damage limits specified in SRM 53-12-11/101, replace it (AMM TASK 53-01-05-000-801-A/400 and AMM TASK 53-01-05-400-801-A/400) and go to step 2 to do a detailed inspection on the pilot and copilot seats.

(d) If the wear in each seat track is smaller than the damage limits specified in SRM 53-12-11/101, go to step 2 to do a detailed inspection on the pilot and copilot seats.

NOTE: To go to step 2, make sure that the wear in all seat tracks are smaller than the damage limits specified in SRM 53-12-11/101.

(2) Do a detailed inspection on the pilot and copilot seats to make sure that their locking pins lock in the tracks as follows:

NOTE: The steps are applicable to each hole of the seat tracks where the locking pins of the pilot and copilot seat are attached.

(a) Clean the cockpit seat tracks (AMM TASK 53-01-05-100-801-A/700).

(b) Install the pilot or copilot seat (AMM TASK 25-21-01-400-801-A/400).

(c) Sit down in the installed seat (pilot or copilot seat).

(d) With the rail locking control, move the crew seat forward, stopping at each positioning hole to make sure that the locking pins engage at each hole of the seat track.

NOTE: Make sure that the crew seat locks in each hole of the track.

(e) With the rail locking control, move the crew seat rearwards, stopping at each positioning hole to make sure that the locking pins engage at each hole of the seat track.

NOTE: Make sure that the crew seat locks in each hole of the track.

(f) Do steps (d) and (e) two or three times to make sure that the locking pins of the crew seat lock in each hole of the seat tracks.

(g) If you find an irregular condition, examine the diameter of each hole of the seat tracks as follows:

NOTE: If necessary, remove the crew seat (AMM TASK 25-11-01-000-801-A/400).

1 If the diameter of the hole is smaller than 8.3 mm (0.327 in), increase it to 8.3 mm (0.327 in) to permit a correct locking of the locking pins of the crew seat in their tracks and go to step (i).

2 Protect with Alodine the reworked area of the tracks (CPM 51-21-04).

3 If the diameter of the hole is larger than 8.3 mm (0.327 in) and smaller than the damage limits specified in SRM 53-12-11/101, go to step (h).

(h) Use the GSE 364 to examine the alignment of the seat tracks as follows (Figure 601):

1 Install GSE 364 (1) to the first locking pin hole (7).

2 Use GSE 364 (1) to make sure that the locking pin engages correctly at each hole.

NOTE: If there is interference between locking pin holes and GSE 364 (1) or seat tracks (5) and (6) (LH and RH sides) to GSE 364 (1), remove the GSE 364 (1) and replace the seat track (AMM TASK 53-01-05-000-801-A/400 and AMM TASK 53-01-05-400-801-A/400).

3 If there is no interference between locking pin holes and GSE 364 (1), transfer GSE 364 (1) to the twelfth locking pin hole.

NOTE: If there is interference between locking pin holes and GSE 364 (1) or seat tracks (5) and (6) (LH and RH sides) to GSE 364 (1), remove the GSE 364 (1) and replace the seat track (AMM TASK 53-01-05-000-801-A/400 and AMM TASK 53-01-05-400-801-A/400).

(i) If you removed the crew seat, install it again (AMM TASK 25-11-01-400-801-A/400).

(j) Do steps (c) to (f) to make sure that the locking pins of the crew seat lock in each hole of the seat track.

NOTE: Also make sure that the crew seat move correctly and smoothly.

(k) Do steps (b) to (j) for the other crew seat.

(3) Do the adjustment/test of the inertial seat belts (AMM TASK 25-11-00-700-801-A/500).

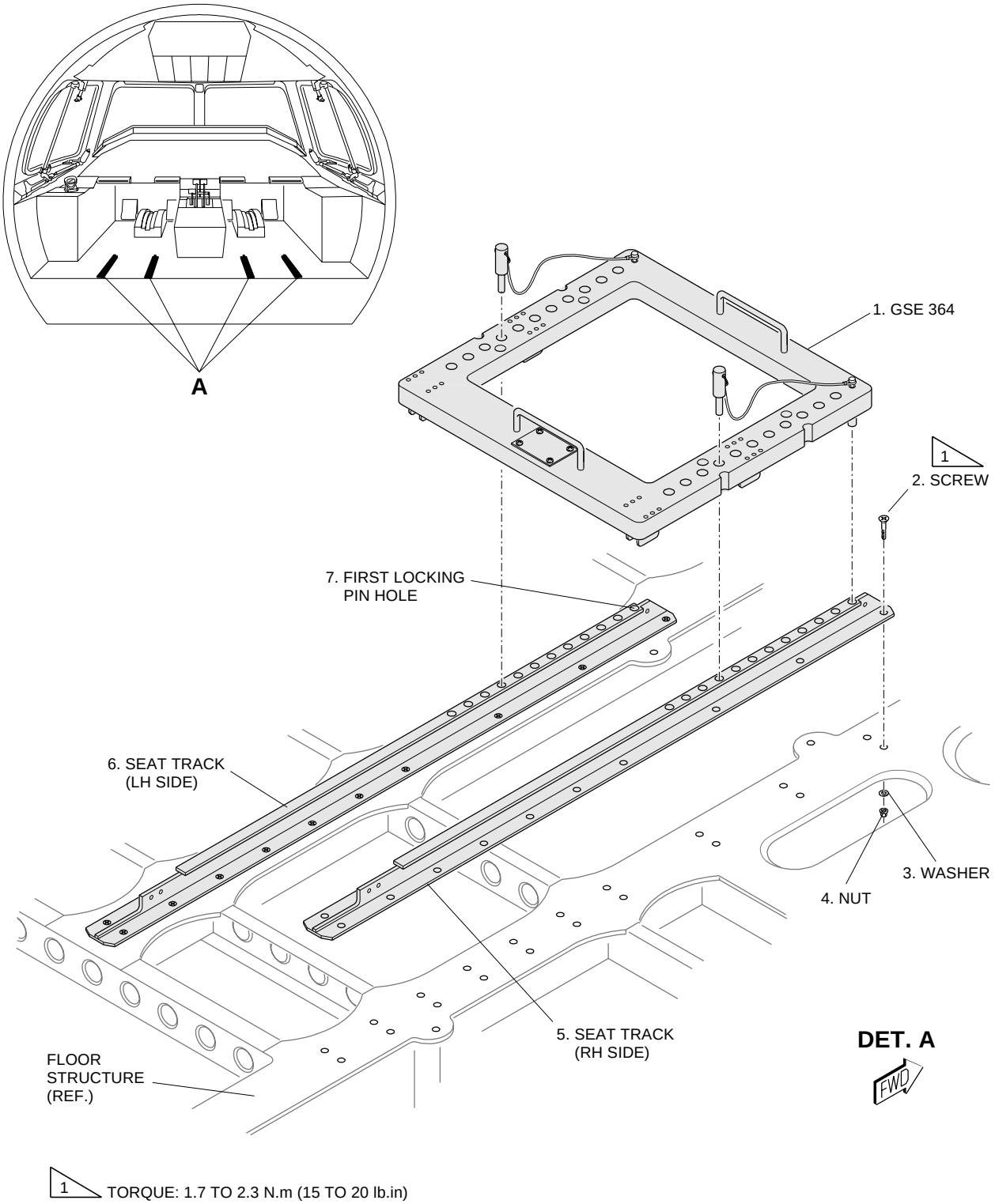
(4) Do a detailed inspection on the seat belt lock as follows:

(a) Move the handle forward to make sure that the seat belt extension is locked.

(b) Move the handle rearward to make sure that the seat belt extension is free again.

(c) Repeat steps (a) and (b) above two or three times to make sure that the seat belt lock operates correctly.

EFFECTIVITY: ALL
Cockpit Seats - Inspection
Figure 601



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TASK 25-11-01-200-802-A
EFFECTIVITY: ALL

3. COCKPIT SEAT - INSPECTION

A. General

(1) The function of this inspection is to make sure the condition of the crew seats.

B. References

REFERENCE	*DESIGNATION*
AMM TASK 25-11-00-700-801-A/500	INERIAL SEAT BELTS - TESTING
AMM TASK 25-11-01-000-801-A/400	PILOT SEAT - REMOVAL
AMM TASK 25-11-01-400-801-A/400	PILOT SEAT - INSTALLATION

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Does the task	Cockpit RH side/Cockpit LH side

I. Preparation

SUBTASK 841-003-A

(1) Remove the seats (AMM TASK 25-11-01-000-801-A/400).

(2) To do the inspection of the crew seats, have a direct source of good lighting to make the lighting conditions in the cockpit better.

J. Inspection of the Cockpit Seat (Figure 602)

SUBTASK 212-002-A

(1) Do an inspection of the crew seats for general conditions, easily-seen degradation, cracks, tears, and rough areas.

(2) Install the seats (AMM TASK 25-11-01-400-801-A/400) and do the step below:

(3) Do the adjustment/test of the inertial seal belts (AMM TASK 25-11-00-700-801-A/500).

(4) Do an operational check of the seats as follows:

(a) Do an operational check of the longitudinal adjustment as follows:

1 Keep the handle (8) lifted and move the seat forward until it stops.

2 Keep the handle (8) lifted and move the seat reward two until it stops.

3 Keep the handle (8) lifted and move the seat laterally until it stops.

4 Repeat steps 1 thru 3 above two or three times to make sure that the seat operates correctly.

(b) Do an operational check of the seat height adjustment as follows:

1 Push the electric actuator control switch (4) up and down to make sure that the seat height increases and retracts correctly.

2 Repeat step 1 above two or three times to make sure that the seat operates correctly.

CAUTION: DO NOT OPERATE THE ELECTRIC ACTUATOR AT THE SAME TIME AS YOU DO THE STEP BELOW TO PREVENT DAMAGE TO THE SEAT HEIGHT ADJUSTMENT SYSTEM.

3 Couple the crank handle (7) in the hex drive (10) and turn it as necessary to make sure that the seat operates correctly.

(c) Do an operational check of the armrest height and width as follows:

1 Turn the button (9) to make sure that the armrest height increases and retracts correctly.

2 Move the armrest laterally to make sure that the armrest width changes correctly.

NOTE: The armrest width adjustment has only two positions.

3 Repeat steps 1 and 2 above two or three times to make sure that the seat operates correctly.

(d) Do an operational check of the backrest inclination as follows:

1 Push the button (3) and push the backrest at the same time to make sure that the backrest inclination increases correctly.

2 Push the button (3) to make sure that the backrest goes back freely to its upright position.

3 Repeat steps 1 and 2 above two or three times to make sure that the seat operates correctly.

(e) Do an operational check of the lumbar support adjustment as follows:

1 Turn the knob (5) as necessary to make sure that the lumbar support operates correctly.

(f) Do an operational check of the thigh support adjustment as follows:

1 Turn the knob (2) as necessary to make sure that the thigh support operates correctly.

(g) Do an operational check of the headrest (1) as follows:

1 Lift and lower the headrest (1) two or three times to make sure that it operates correctly.

(h) Do an operational check of the seat belt lock as follows:

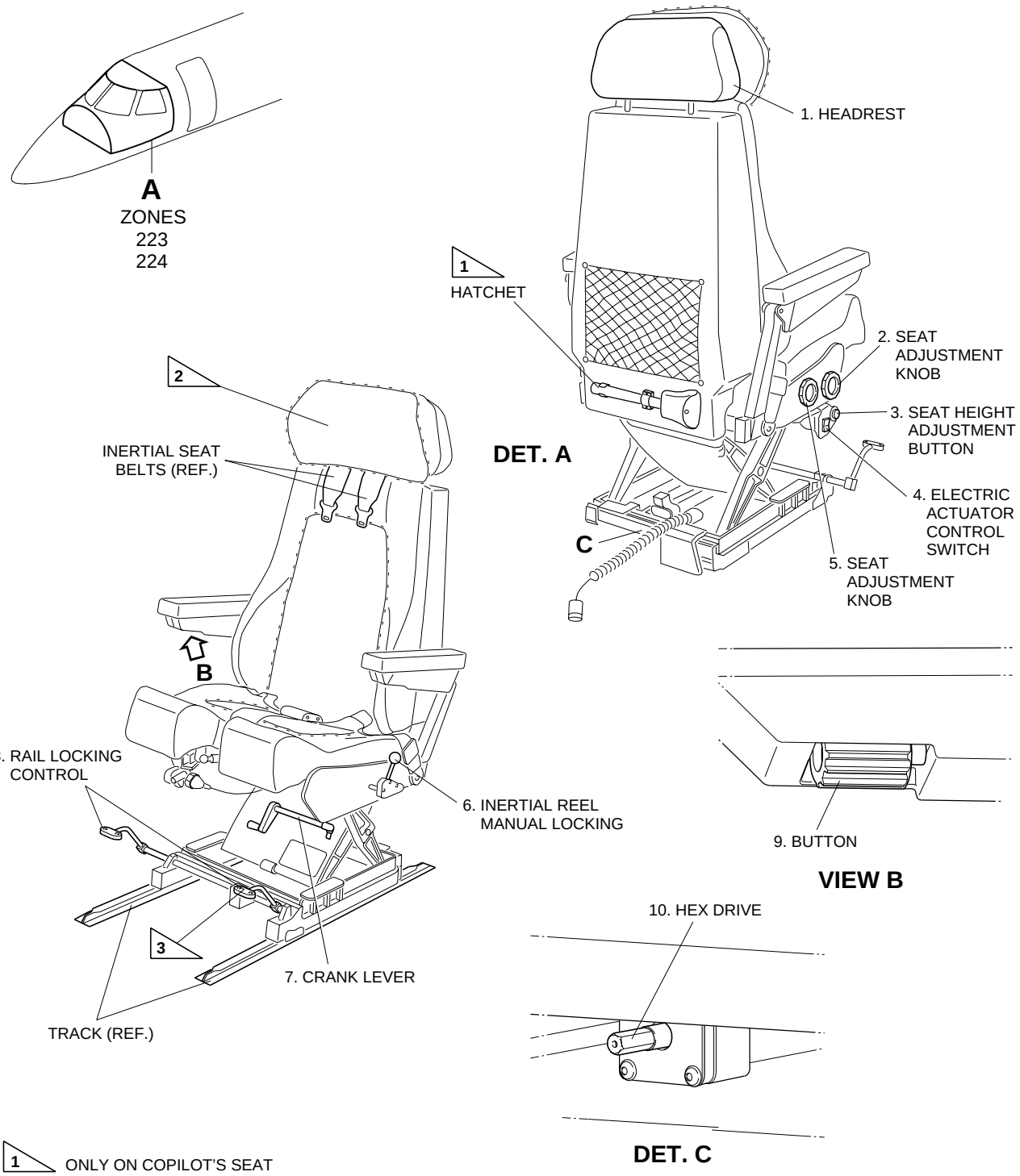
1 Move the handle (6) forward to make sure that the seat belt extension is locked.

2 Move the handle (6) rearward to make sure that the seat belt extension is free again.

3 Repeat steps 1 and 2 above two or three times to make sure that the seat belt lock operates correctly.

EFFECTIVITY: ALL

Crew Seat - Inspection
Figure 602



1 ONLY ON COPILOT'S SEAT

2 COPILOT'S SEAT. THE PILOT'S SEAT CONTROL'S ARE ON THE OPPOSITE SIDE.

3 FOR PILOT'S AND COPILOT'S SEATS WITH DOUBLE RAIL LOCKING CONTROL.

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