



AIRCRAFT
MAINTENANCE MANUAL

HIGH LOAD FACTOR FLIGHT - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do an inspection on the aircraft after a high-load-factor flight condition occurs.
- B. The results of these procedures will show if other, more accurate inspection is necessary.
- C. 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
05-50-05-200-801-A	HIGH-LOAD-FACTOR FLIGHT CONDITION	ALL



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 05-50-05-200-801-A

EFFECTIVITY: ALL

2. HIGH-LOAD-FACTOR FLIGHT CONDITION

A. General

- (1) The inspection procedures given here must be done after the aircraft received a high load factor in flight.
- (2) A high load factor occurs when the aircraft receives a load factor that is more than the limits given in the AFM (Aircraft Flight Manual) as follows:

Table 601

Load Factor Limit	Flaps Up	Flaps Down (All Positions)
Positive	2.56 g	2.00 g
Negative	-1.00 g	0 g

B. References

REFERENCE	DESIGNATION
(AMM 06-30-00)	-
(AMM 53-01-02)	-
(AMM 53-04-10)	-

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
2	Do the task	AR

I. Inspection

SUBTASK 212-002-A

- (1) Examine the aircraft as follows. The results of the inspection will show if other, more accurate inspection is necessary.



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (a) Examine wing, nacelles, engine mounts, horizontal stabilizer, ailerons, spoilers, flaps, rudder, elevator, and fuselage external surface for general condition, distortions, and loose or missing fasteners. Use a workstand to gain access to the area you will examine, for zones references see (AMM 06-30-00).
 - (b) Examine the wing-to-wing stub and wing stub-to-fuselage attachments. Use a workstand to gain access to the area you will examine, for zones references see (AMM 06-30-00).
 - (c) Examine the emergency hatch and baggage door frames. Internally and externally examine the skin panel at the corners of the doors for general condition, distortions, and loose or pulled rivets. Use a workstand to gain access to the area you will examine, for zones references see (AMM 06-30-00).
- (2) If one of those items shows an unusual condition, do as follows:
- (a) Remove the floor panels, see (AMM 53-01-02) and examine the upper wing stub skin in the area below the fuselage floor for distortions, buckling, cracks, and loose or pulled fasteners.
 - (b) Remove the wing to fuselage access panels, see (AMM 53-04-10) and examine the wing box ribs for distortions, buckling, cracks, and missing or pulled rivets.

