

## HIGH DRAG/SIDE LOAD LANDING CONDITION - INSPECTION/CHECK

*EFFECTIVITY: ALL*

### 1. General

- A. The landing is a high drag/side load landing when the aircraft:
- goes in such as skid on the runway that the aircraft safety is put at risk
  - makes a landing which causes two or more tires to blow
  - makes a landing before the prepared surface
  - goes in a skid or goes from the prepared surface to an unprepared surface

**NOTE:** If this landing condition occurs together with a hard landing condition, other inspection will be necessary ( [AMM TASK 05-50-02-200-801-A/600](#)).

- 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
<a href="#">05-50-03-200-801-A</a>	HIGH DRAG/SIDE LOAD LANDING CON- DITION	ALL

TASK 05-50-03-200-801-A

*EFFECTIVITY: ALL*

## 2. HIGH DRAG/SIDE LOAD LANDING CONDITION

### A. General

- (1) Make an inspection on the aircraft after a High Drag/Side Load Landing Condition.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 05-50-02-200-801-A/600</a>	HARD LANDING
AMM TASK 07-10-00-500-801-A/200	-
AMM TASK 07-10-00-500-802-A/200	-
<a href="#">AMM TASK 25-51-01-200-801-A/600</a>	BAGGAGE COMPARTMENT LINING - VISUAL INSPECTION
<a href="#">AMM TASK 29-10-00-860-801-A/200</a>	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-41-00-700-801-A/500</a>	MAIN BRAKE SYSTEM - FUNCTIONAL CHECK
<a href="#">AMM TASK 32-44-00-700-801-A/500</a>	EMERGENCY/PARKING BRAKE SYSTEM - FUNCTIONAL CHECK
AMM TASK 51-50-01-820-801-A/200	-
BF Goodrich 32-49-02	-
<a href="#">S.B.145-32-0036</a>	-

### 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. Preparation

*SUBTASK 841-002-A*

- (1) Jack the aircraft and retract and extend the landing gears (AMM TASK 07-10-00-500-801-A/200).
- (2) Make sure that landing gear safety pins are installed on the main and nose landing gears ( [AMM TASK 32-00-01-910-801-A/200](#)).
- (3) For aircraft PRE-MOD. [S.B.145-32-0036](#), make sure that the pressure in hydraulic system No.1 is fully released ( [AMM TASK 29-10-00-860-801-A/200](#)).
- (4) For aircraft POST-MOD. [S.B.145-32-0036](#), make sure that the safety pin of the NLG doors solenoid valve are installed ([AMM TASK 32-00-02-910-801-A/200](#)).

J. Inspection

*SUBTASK 212-002-A*

- (1) NOTE: If this landing condition occurs together with a hard landing condition, an accurate inspection must be made ( [AMM TASK 05-50-02-200-801-A/600](#)).

Examine the aircraft as follow:

- (a) Examine the aircraft for signs of interference, misalignment, or distortion. In case of damage, do the aircraft alignment (AMM TASK 51-50-01-820-801-A/200).
- (b) Examine the main-landing-gear wheels for signs of damage (e.g., cracks, deformation, etc).

NOTE: If it is necessary to replace the wheel because of blown tires or flat tires after a high drag/side load landing condition, do an accurate inspection on the wheel that was removed (BF Goodrich 32-49-02).

- (c) Examine the main-landing-gear drag struts for distortion or cracks.
- (d) Examine the main-landing-gear leg strut and leg strut attachment fittings for cracks, distortion, and loose fasteners.
- (e) Examine the main-landing-gear trunnion and trunnion-link support fittings for cracks and signs of bushing elongation or bolt distortion.
- (f) Visually examine the main-landing-gear wheelwell for signs of fuel leaks or other fluid leaks.
- (g) Examine the aft nose-gear-wheelwell bulkhead and fuselage structure outboard of the nose wheelwell for distortion, buckling, flaking paint, cracks, and loose or missing fasteners.
- (h) Examine the nose gear wheelwell structure and adjacent lower fuselage structure for distortion, flaking paint, cracks, and pulled or missing fasteners.
- (i) Examine the cargo arresting net for integrity if applicable.
- (j) Examine the baggage compartment lining ( [AMM TASK 25-51-01-200-801-A/600](#)).

- (k) Visually examine the side guides, seat tracks, emergency hatch, and baggage door for breaks, cracks, missing retaining lips, and rollers for free movement.
- (l) Do the main brake system - functional check ( [AMM TASK 32-41-00-700-801-A/500](#)).
- (m) Do the emergency/parking brake system - functional check ( [AMM TASK 32-44-00-700-801-A/500](#)).
- (n) Do the engine inspection. Refer to Rolls-Royce Maintenance Manual CSP 34022 (TASK 05-50-00-200-805).

K. Follow-on

*SUBTASK 842-002-A*

- (1) Lower the aircraft and remove the jack (AMM TASK 07-10-00-500-802-A/200).