



AIRCRAFT MAINTENANCE MANUAL

AILERON DAMPER - INSPECTION/CHECK

EFFECTIVITY: POST-MOD S.B. 145-27-0063 OR FA/CTA-CERTIFIED AIRCRAFT

1. General

- A. This section gives the procedure to do the inspection on the aileron damper rod ends/fitting lugs.
- 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
27-12-03-200-801-A ♦	AILERON DAMPER ROD ENDS/FITTING LUGS - INSPECTION	POST-MOD S.B. 145-27-0063 OR FA/ CTA-CERTIFIED AIR- CRAFT



AIRCRAFT
MAINTENANCE MANUAL

EMB145 - EMB135

TASK 27-12-03-200-801-A

EFFECTIVITY: POST-MOD S.B. 145-27-0063 OR FA/CTA-CERTIFIED AIRCRAFT

2. AILERON DAMPER ROD ENDS/FITTING LUGS - INSPECTION

A. General

- (1) This task gives the procedure to do the inspection on the aileron damper rod ends/fitting lugs for integrity and general condition.

B. References

REFERENCE	DESIGNATION
AMM TASK 27-12-03-000-801-A/400	AILERON DAMPER - REMOVAL
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Flashlight	For the damper lighting	1
Commercially available	Inspection Mirror	To do an inspection in the aileron damper rod end and the spherical bearing	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Wing

I. Preparation

SUBTASK 841-002-A

- (1) Do not do other tasks on the aileron system.
- (2) Release the pressure of the hydraulic system [AMM TASK 29-10-00-860-801-A/200](#).
- (3) On the Flight Control Panel, push the sys1 and sys2 aileron shutoff pushbuttons.



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

- J. Inspection (Visual Inspection) of Aileron Damper Rod Ends/Fitting Lugs for Integrity and General Condition ([Figure 601](#))

SUBTASK 212-002-A

WARNING: DO NOT PUT YOUR FINGERS OR OTHER MATERIAL IN THE SPACE BETWEEN THE WING AND AILERON.

NOTE: You can do the task better if you use a flashlight and a mirror to inspect the aileron damper.

- (1) Manually deflect the aileron up until you can see the damper.
- (2) During the movement, look to make sure that the wing support holds the damper.
- (3) Look to make sure that the aileron support holds the damper.
- (4) Examine the rod end for deformation, cracks, dents, or other types of damage.
- (5) Inspect the spherical bearing for correct installation in the rod end.
- (6) If a repair is necessary, do [AMM TASK 27-12-03-000-801-A/400](#).

- K. Follow-on

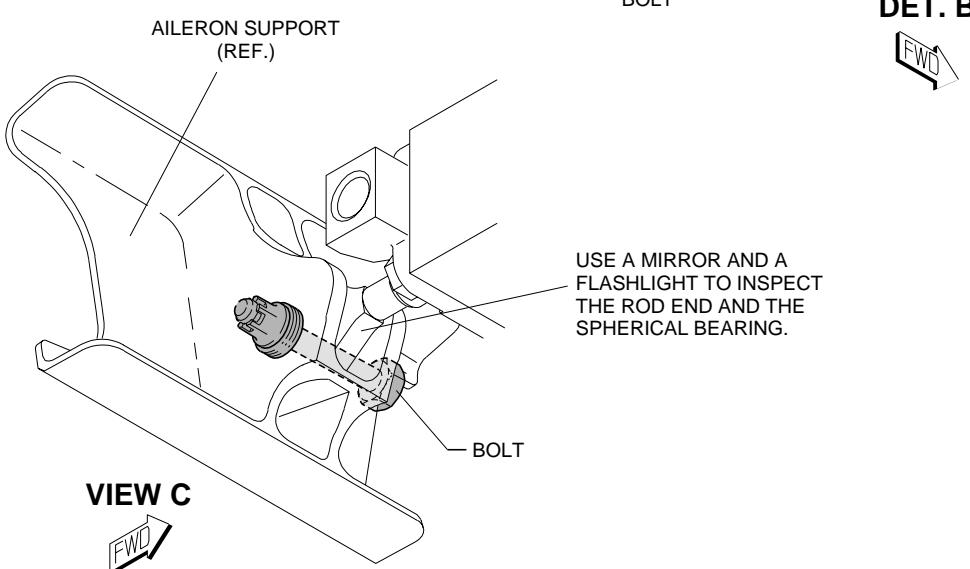
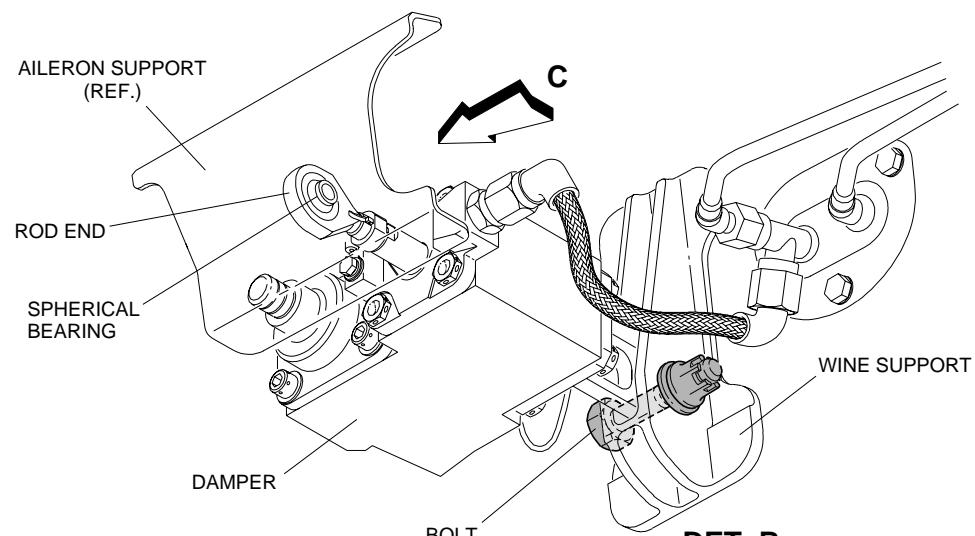
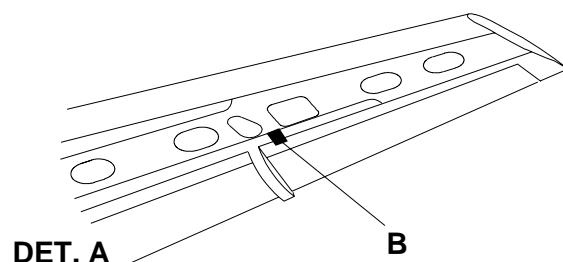
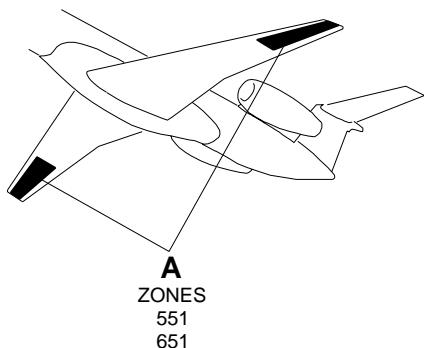
SUBTASK 842-002-A

- (1) On the Flight Control Panel, release sys1 and sys2 aileron shutoff pushbuttons.

EFFECTIVITY: POST-MOD S.B. 145-27-0063 OR FA/CTA-CERTIFIED AIRCRAFT

Aileron Damper - Inspection

Figure 601



145AMM270522.MCE A