

WPR22LA333

AIRWORTHINESS

Specialist's Factual Report - Attachment 1

Bell 407 Maintenance Manual Excerpt - Throttle/Fly Detent Friction Check

THROTTLE/FLY DETENT

Friction Check

Applicable to: SN: 53390-54303 or 54305-54566 or 54568-54800

(DMC-407-A-76-04-00-00A-280A-A, Issue 001 - 2020/01/06, ECCN EAR99)

List of figures

Figure number	Figure title
Figure 1	Rigging Fly Detent (S/N 53390 through 54303, 54305 through 54566 and 54568 through 54800)

Preliminary requirements

Required Conditions

Action/Condition	Data module/Technical Publication	Applicability
None.		

Support equipment

Name	Identification/References	Quantity	Remark	Applicability
None.				

Consumables, materials and expendables

Name	Identification/References	Quantity	Remark	Applicability
		AR		

Spares

Name	Identification/References	Quantity	Remark	Applicability
None.				

Safety conditions

None.

Procedure

NOTE

For SN: 53390-54303 or 54305-54566 or 54568-54800

The following information is only applicable to those that have complied with ASB 407-99-31. Copilot throttle friction will be higher than pilot throttle friction due to gearing in back of pilot collective assembly. With dual controls installed, pilot's throttle friction may be set to a minimum of 5 inch-pounds (0.56 Nm) to obtain a maximum resultant copilot throttle friction of 16.5 inch-pounds (1.86 Nm) after break-away torque.

- 1 Wrap a suitable length of , or equivalent around the pilot's throttle grip and attach a fish scale to the cord.

NOTE

Depress the idle release button during the following step. Friction will increase as ball plunger (6, Figure 1) rides on surface of detent block (8).

- 2

Pull the fish scale to turn the pilot's throttle grip from the Closed position to the FLY detent position. Verify that the fish scale indicates a maximum of 10 ±0.5 pounds (4.5 ±0.23 kg) after the initial breakaway force. The operation should be smooth throughout the range.
- 3

Turn the pilot's throttle to put the ball plunger (6, Figure 1) near the groove of the FLY detent (7). Pull the fish scale to move the ball plunger in and out of the groove. Verify the fish scale value is 14 to 15 ±0.5 pounds (6.3 to 6.8 ±0.23 kg) when the plunger is pulled through the detent.
- 4

If throttle or FLY detent friction requires adjustment, refer to DMC-407-A-76-04-00-00A-271A-A.

Requirements after job completion

Required Conditions

Action/Condition	Data module/Technical Publication	Applicability
None.		

End of data module

Figure 1. Rigging Fly Detent (S/N 53390 through 54303, 54305 through 54566 and 54568 through 54800) (Sheet 1 of 2)

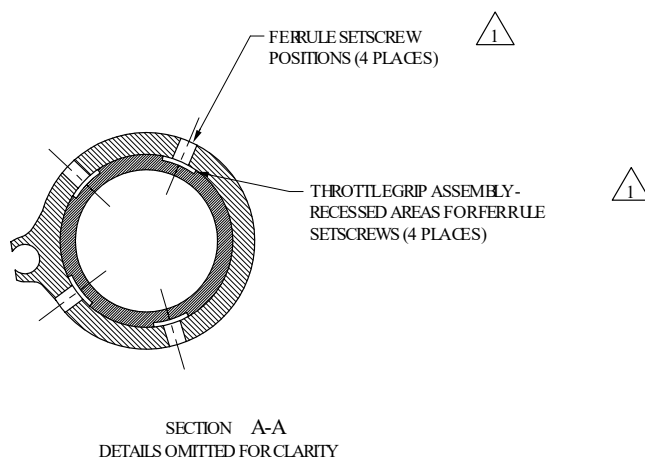
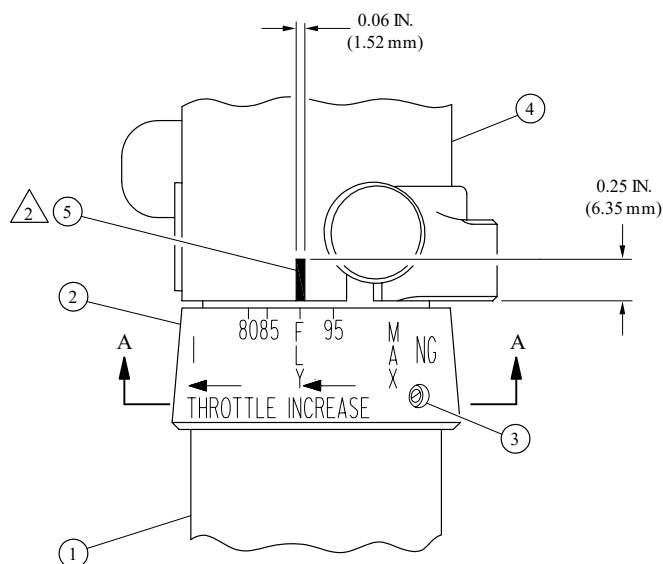


Figure 1. Rigging Fly Detent (S/N 53390 through 54303, 54305 through 54566 and 54568 through 54800) (Sheet 2 of 2)

