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SL-GA8-2017-33
Issue 1

Service Letter

SUBJECT:

Exhaust System inspection.

APPLICABILITY:

GA8 model only. Not applicable to GA8-TC 320

AMENDMENTS:

Issue 1: Initial issue. GippsAero Reference GAE12#2354.

BACKGROUND:

Cases of wear have occurred on the lower Nose Gear Brace tubes, and the adjacent Nose Gear Deflecting Shields, caused by contact with the Exhaust Ejector. Refer to Figure 1 for location. The instructions below detail inspections to ensure any potential wear issues are avoided. These are to be performed during each 100 hourly scheduled maintenance.

INSTRUCTIONS:

1. Ensure Service Bulletin SB-GA8-2009-60: Replacement of Exhaust Support Strap has been incorporated. If not, this must be incorporated.
2. Inspect the condition of the Exhaust Support Strap. Check material has not become brittle and that no cracks are present. Check the bolt holes in the Exhaust Support Strap have not become elongated or enlarged allowing excessive moment. Replace if any defects are found. See Figure 2.
3. Check the security of the bolts on either end of the Exhaust Support Strap. Tighten, if required, to reduce movement. See Figure 2.
4. Check for security and condition of the Muffler Hanging Cable Assemblies which attach to the rear end of the Muffler Assembly. See Figure 3.
5. On the forward end of the Muffler Assembly, three bolts are used to attach the Muffler Assembly to the Exhaust Manifold ball joint. Each bolt has a spring installed under the bolt head. Ensure the bolts/springs have sufficient tension so that resistance at the ball joint will be noticeably felt following minor translation/rotation of the Muffler Assembly. See Figure 3.

SUPPORT

Should you require any further information please contact our Customer Support Department:

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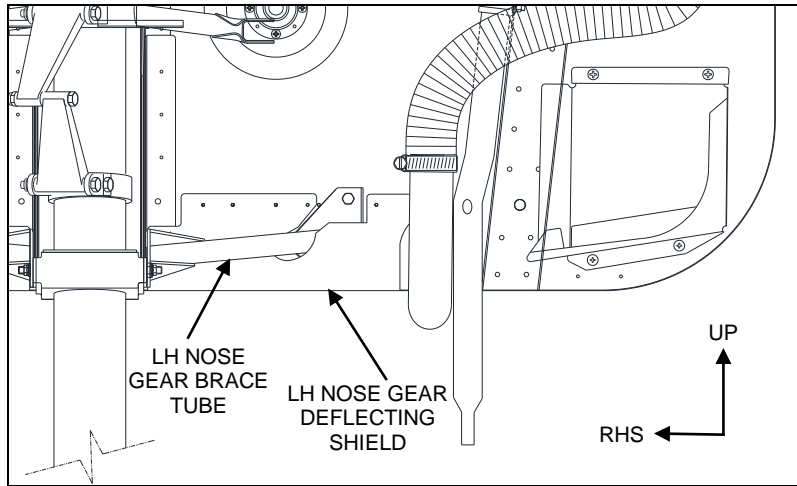


Figure 1 –Nose Gear Brace Tube and Nose Gear Deflecting Shield location.
View of lower firewall looking aft. Exhaust system removed to aid clarity.

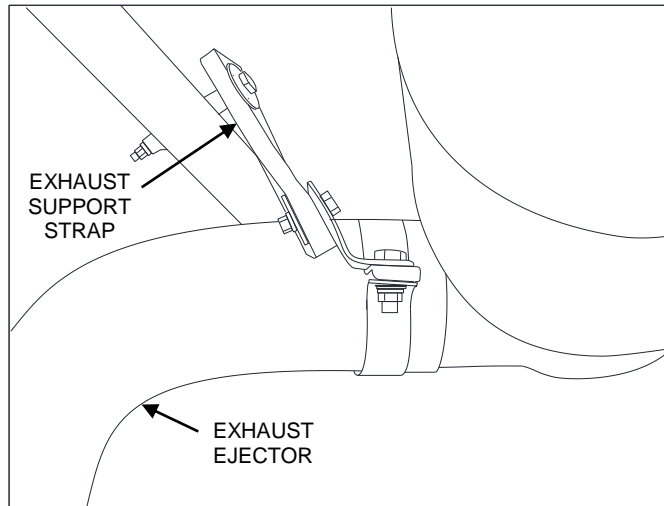


Figure 2 – Exhaust Support Strap

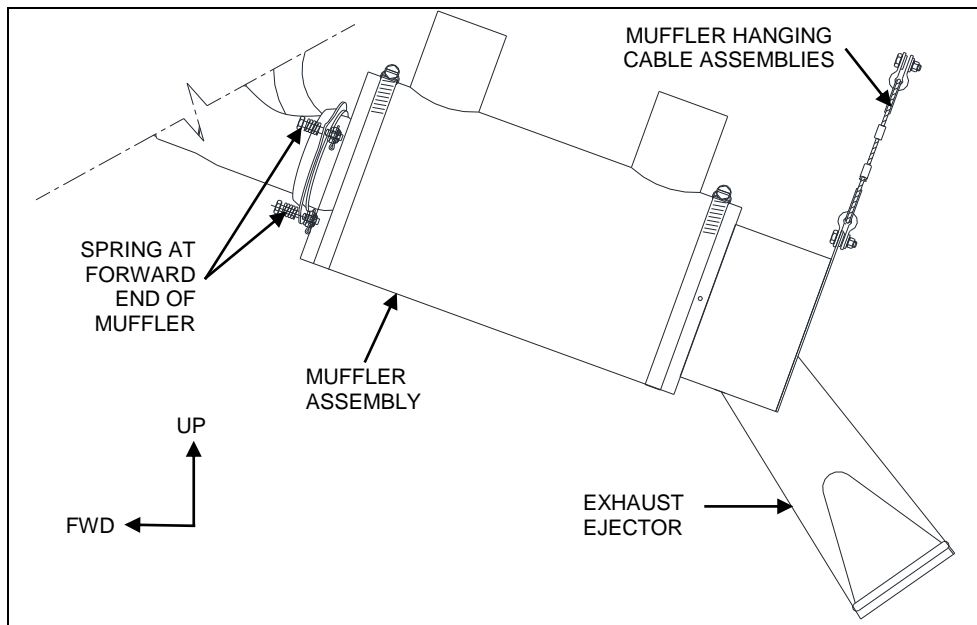


Figure 3 – Exhaust system components – side view.