




## REPAIR PROCEDURE

 **NOTE:** Leaks other than the potential leak at the banjo fitting may be discovered upon inspection (for example, the pump joint or hose area). These leaks should be repaired as required and claimed following normal Warranty or customer pay practices outside of the terms of this Recall action.

### INSPECT BANJO BOLT FOR LEAKAGE

1. Open the hood and install fender protectors.
2. Inspect the ACE pump banjo bolt for leakage.
3. If a leak is visually evident, go to the "Replace the Banjo Bolt Washers" procedure below.
4. If a leak is *not* evident, perform the following:
  - Release jubilee clip and two spring clips securing air intake hose.
  - Release the hose and position aside. (Figure 1).
  - Set a torque wrench to **33 Nm (24 lbf.ft)** and apply torque to the ACE pump banjo bolt (Arrowed in Figure 2) until the wrench indicates the set torque has been reached.
5. If the banjo bolt rotates during the re-torque procedure, go to the "Replace the Banjo Bolt Washers" procedure below.
6. If the banjo bolt does *not* rotate, no corrective action is required. Perform the following
  - Apply a yellow paint stripe across the bolt head and the top of the banjo (Arrowed in Figure 3).
  - Position air intake hose and secure with clips.
  - Claim the first inspection Option.

### REPLACE THE BANJO BOLT WASHERS

1. Refer to RAVE or GTR battery disconnection process and disconnect the battery ground cable observing all Cautions and Warnings.



**CAUTION:** The ace hydraulic system is extremely sensitive to the ingress of dirt or debris. The smallest amount of debris could render the system unserviceable. It is imperative that the following precautions are taken:

- ACE components are thoroughly cleaned externally before work commences.
  - All opened pipe and module ports are capped immediately.
  - All fluid is stored in, and administered through, clean containers.
2. Clean around the ACE pump banjo bolt and the surrounding area. (Arrowed in Figure 2)
  3. Position a container to collect fluid spillage.

Figure 1

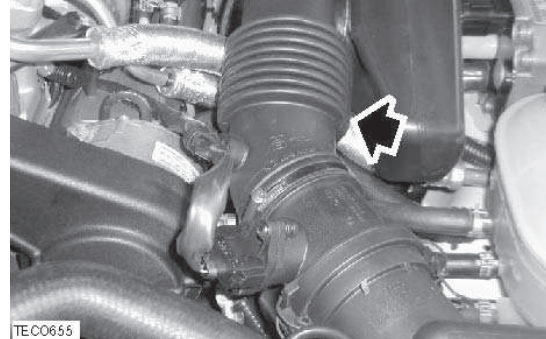


Figure 2

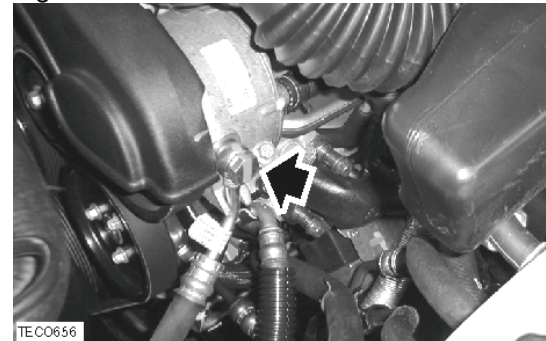
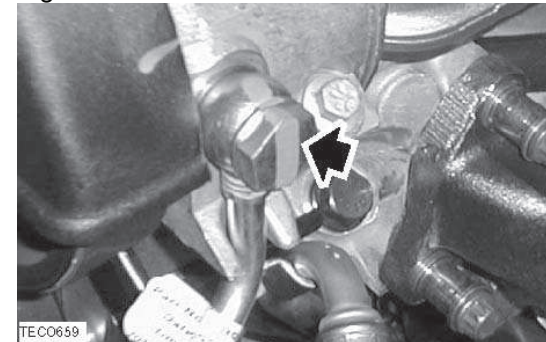


Figure 3



# TECHNICAL INFORMATION



No:RB149

4. Remove the banjo bolt and disconnect the pressure pipe from the ACE pump.
5. Discard both sealing washers. (Figure 4)
6. Clean pressure pipe and ACE pump mating surfaces.
7. Clean the banjo bolt and new sealing washers to remove any dirt or debris.
8. Connect pressure pipe to ACE pump with banjo bolt and new sealing washers.
9. Tighten banjo bolt to **33 Nm (24 lbf.ft)**.
10. Apply a yellow paint stripe across the bolt head and the top of the banjo. (Figure 5)
11. Position air intake hose and secure with clips.
12. Connect battery ground cable.
13. Check and top-up the ACE system reservoir.
14. Start the engine and allow to idle for one minute.
15. Check for leaks in all areas of the ACE system.

 **NOTE: Any further repairs fall outside of the terms of this Recall action.**

16. If additional leaks are found and repair is required, perform the repair and claim separately.
17. Check and top-up the ACE system reservoir.
18. Remove fender protectors and close the hood.

## CAMPAIGN LABEL


 **NOTE: Campaign labels are no longer required for Safety Recall Action activities. Retailers should maintain a modest supply of labels for future use with Emissions Recall activities.**

Figure 4

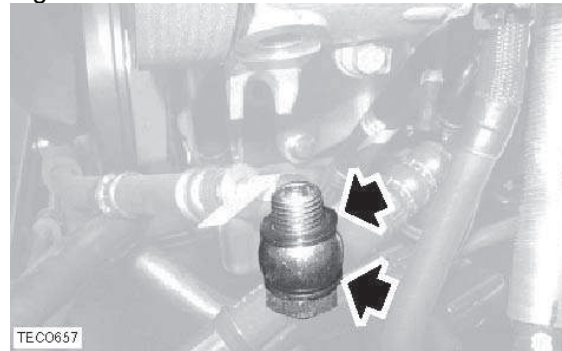


Figure 5

