

Litens OAD Inspection Procedure

OAD On Vehicle:

- 1) Raise engine speed to 2000-2500 rpm in Park (auto trans) or Neutral (manual trans) and then shut engine off. Listen for any noises from the OAD after engine is shut off. A worn out bearing will generate a “buzz” noise during this test. If the OAD is noisy during this test—replace OAD.
- 2) Remove the “one time use cap” and with the proper tool inserted into the front of the OAD, rotate the OAD shaft in both directions. In the overrun direction it should feel smooth and in the drive direction it should have a spring feel.
 - If the OAD is locked up – Replace OAD.
 - If the OAD has no spring feel in the drive direction- Replace OAD
 - If the OAD requires more than 9-13 inlbs(1-1.5Nm) of torque to turn in the overrun direction – Replace OAD.
 - If the OAD is not smooth in the overrun direction – Replace OAD

OAD Off Vehicle:

Note: This test can be performed with the alternator attached or with the OAD removed from the alternator. The OAD pulley will need to be held with a belt in a vice in order to feel the spring. See photo 2 below.

- 1) Remove the “one time use cap” and with proper tool inserted into the front of the OAD, rotate the OAD shaft in both directions. In the overrun direction it should feel smooth and in the drive direction it should have a spring feel.
 - If the OAD is locked up – Replace OAD.
 - If the OAD has no spring feel in the drive direction- Replace OAD
 - If the OAD requires more than 9-13 inlbs(1-1.5Nm) of torque to turn in the overrun direction – Replace OAD.
 - If the OAD is not smooth in the overrun direction – Replace OAD



Photo 1 – On Vehicle Method

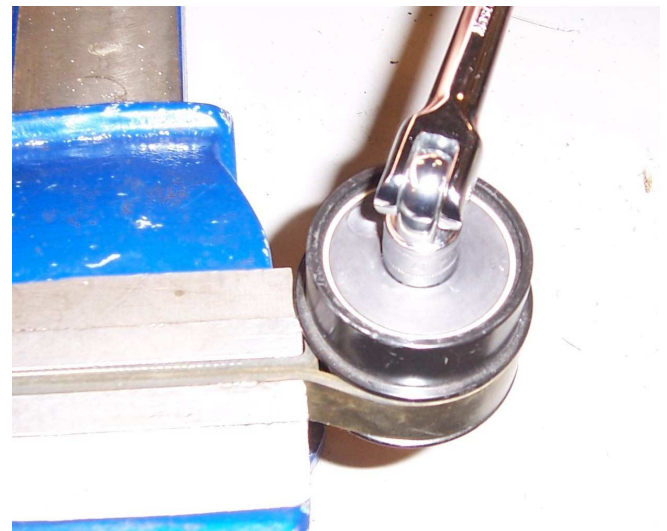


Photo 2 – OAD held by belt in vice method