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Model Year Start: 2015	Model: LX570	Prod Date Range: [08/2014 -]
Title: AB60F AUTOMATIC TRANSMISSION / TRANSAXLE: TORQUE CONVERTER CLUTCH AND DRIVE PLATE: INSPECTION; 2015 MY LX570 [08/2014 -]		

INSPECTION

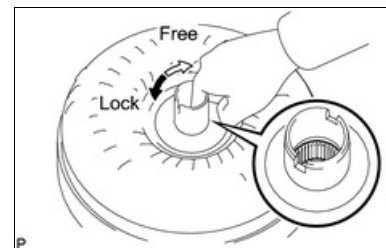
1. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY

(a) Inspect the 1-way clutch.

- (1) Press on the serrations of the starter with a finger and rotate it. Check that it rotates smoothly when turned clockwise and locks when turned counterclockwise.

If necessary, clean the converter and recheck the 1-way clutch.

Replace the converter if the 1-way clutch still fails the check.



(b) Determine the condition of the torque converter clutch.

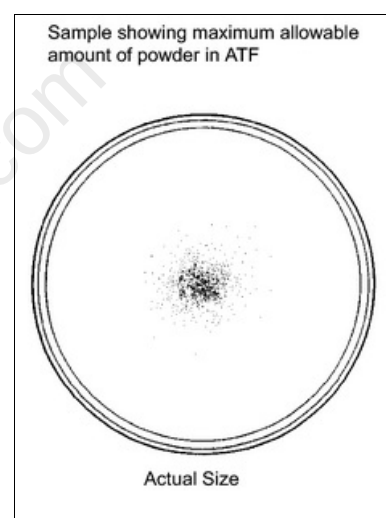
(1) Check that the following conditions are met:

- During the stall test or when the shift lever is in N, metallic sounds are not emitted from the torque converter clutch.
- The 1-way clutch turns in one direction and locks in the other direction.
- The amount of powder in the ATF is not more than the sample shown in the illustration.

If the results are not as specified, replace the torque converter clutch assembly.

HINT:

The sample illustration shows approximately 0.25 liters (0.26 US qts, 0.22 Imp. qts) of ATF taken from a removed torque converter clutch.

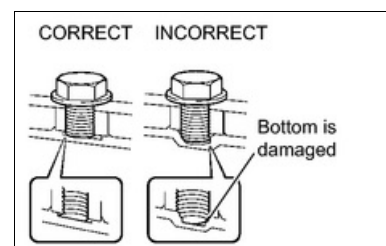


(c) Replace the ATF in the torque converter clutch.

- (1) If the ATF is discolored and/or has a foul odor, stir the ATF in the torque converter clutch thoroughly and drain the ATF with the torque converter facing upward.

(d) Prevent deformation of the torque converter clutch and damage to the oil pump gear.

- (1) When any marks due to interference are found on the end of the bolt for the torque converter clutch and on the bottom of the bolt hole, replace the bolt and torque converter clutch.
- (2) All of the bolts should be the same length.
- (3) Make sure no spring washers are missing.



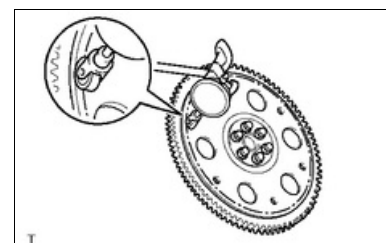
2. INSPECT RUNOUT OF DRIVE PLATE AND RING GEAR

(a) Set up a dial indicator and measure the drive plate runout.

Maximum runout:

0.20 mm (0.00787 in.)

If the runout is more than the maximum or if the ring gear is damaged, replace the drive plate [INFO](#).



3. INSPECT RUNOUT OF TORQUE CONVERTER CLUTCH ASSEMBLY

(a) Temporarily mount the torque converter clutch to the drive plate. Set up a dial indicator and measure the torque converter clutch runout.

Maximum runout:

0.30 mm (0.0118 in.)

If the runout is more than the maximum, try to correct it by changing the installation direction of the torque converter clutch. If the runout cannot be corrected, replace the torque converter clutch.

HINT:

Mark the position of the torque converter clutch so that it can be installed correctly later.

(b) Remove the torque converter clutch.

