

<b>Last Modified:</b> 7-25-2017	6.8:8.0.51	<b>Doc ID:</b> RM000001SU500AX
<b>Model Year Start:</b> 2007	<b>Model:</b> LS460	<b>Prod Date Range:</b> [09/2006 - ]
<b>Title:</b> AA80E AUTOMATIC TRANSMISSION: VALVE BODY ASSEMBLY: REMOVAL; 2007 MY LS460 [09/2006 - ]		

## **REMOVAL**

### **1. REMOVE COWL TOP VENTILATOR LOUVER** INFO

### **2. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

#### **CAUTION:**

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

#### **NOTICE:**

After the engine switch is turned off, the HDD navigation system requires approximately 6 minutes to record various types of memory and settings. As a result, after turning the engine switch off, wait 6 minutes or more before disconnecting the cable from the negative (-) battery terminal.

### **3. DRAIN AUTOMATIC TRANSMISSION FLUID**

- (a) Remove the drain plug and gasket, and drain the ATF.
- (b) Install a new gasket and the drain plug.

#### **Torque:**

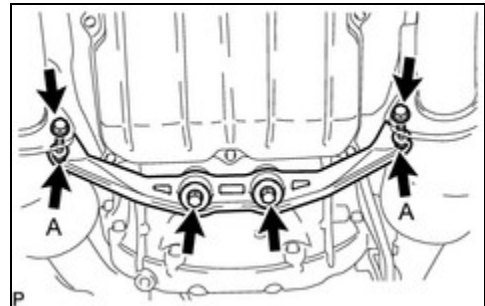
**20 N·m {204 kgf·cm, 15ft·lbf}**

### **4. REMOVE NO. 1 EXHAUST PIPE SUPPORT BRACKET SUB-ASSEMBLY**

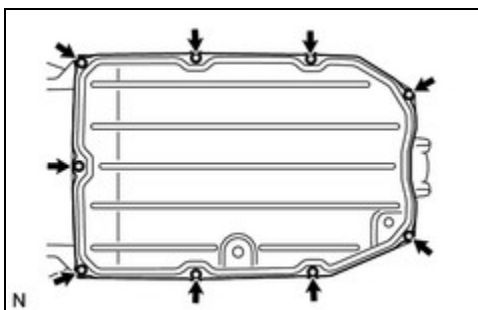
- (a) Remove the 4 bolts, 2nuts and No. 1 exhaust pipe support bracket sub-assembly.

#### **HINT:**

Turn the nut labeled A while holding the bolt.



### **5. REMOVE AUTOMATIC TRANSMISSION OIL PAN SUB-ASSEMBLY**



- (a) Remove the 9 bolts, oil pan and gasket from the transmission.

**NOTICE:**

Some fluid will remain in the oil pan. Remove all the pan bolts, and carefully remove the oil pan assembly.

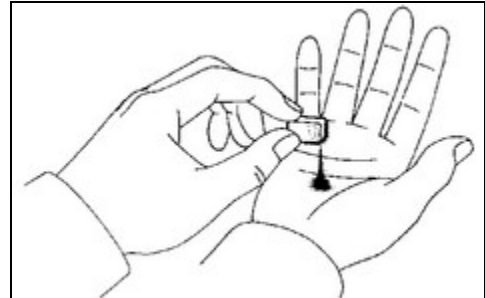
(b) Remove the 3 transmission oil cleaner magnets from the oil pan.

(c) Examine the particles in the pan.

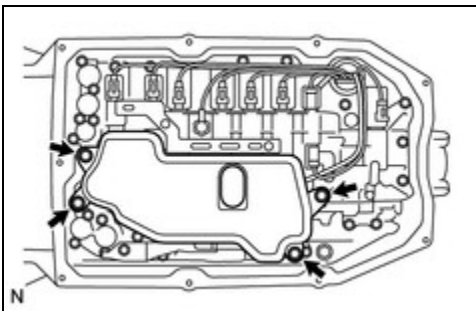
(1) Collect any steel chips with the removed magnets. Carefully look at the foreign objects and particles in the pan and on the magnets to guess the type of wear which might be found in the transmission.

Steel (magnetic): bearing, gear and clutch plate wear

Brass (non-magnetic): bush wear

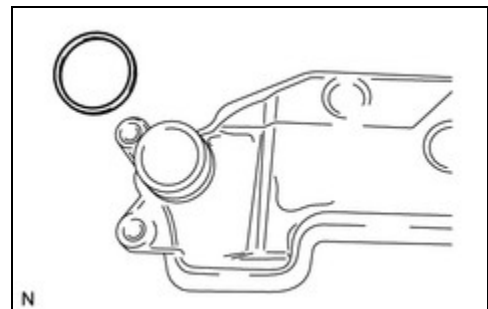


**6. REMOVE VALVE BODY OIL STRAINER ASSEMBLY**

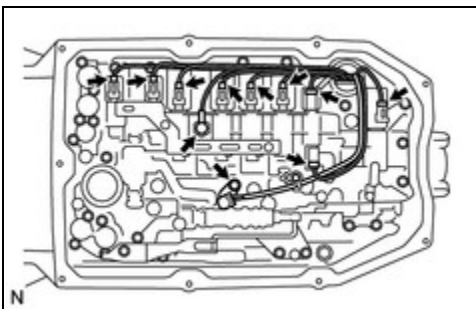


(a) Remove the 4 bolts and oil strainer from the valve body.

(b) Remove the O-ring from the oil strainer.



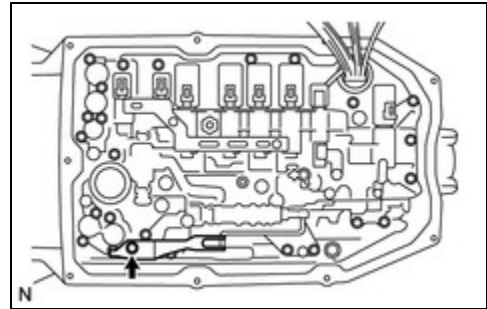
**7. REMOVE TRANSMISSION VALVE BODY ASSEMBLY**



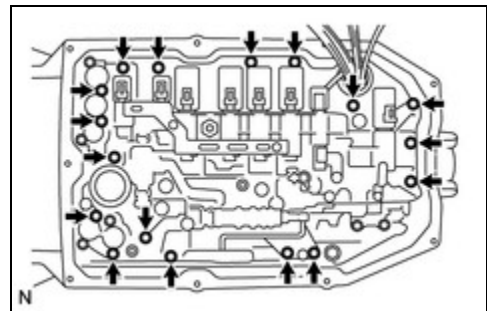
(a) Remove the bolt, lock plate and ATF temperature sensor.

- (b) Remove the O-ring from the ATF temperature sensor.
- (c) Disconnect the oil pressure switch connector.
- (d) Disconnect the 8 connectors from the solenoid valves.

- (e) Remove the bolt, detent spring cover and detent spring.



- (f) Remove the 17 bolts and valve body.



- (g) Disconnect the lever pin from the manual valve.

**NOTICE:**

Do not drop the check ball body and spring.

- (h) Remove the check ball body and spring.

