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<b>Model Year Start:</b> 2016	<b>Model:</b> IS250	<b>Prod Date Range:</b> [08/2015 - ]
<b>Title:</b> A760H AUTOMATIC TRANSMISSION / TRANSAXLE: AUTOMATIC TRANSMISSION ASSEMBLY: REMOVAL; 2016 - 2017 MY IS250 IS300 IS350 [08/2015 - ]		

## REMOVAL

### CAUTION / NOTICE / HINT

#### **CAUTION:**

The automatic transmission with transfer assembly is very heavy. Be sure to follow the procedure described in the repair manual, or the engine lifter may suddenly drop.

## PROCEDURE

### **1. PRECAUTION**

#### **NOTICE:**

After turning the engine switch off, waiting time may be required before disconnecting the cable from the negative (-) battery terminal. Therefore, make sure to read the disconnecting the cable from the negative (-) battery terminal notices before proceeding with work.

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

#### **NOTICE:**

When disconnecting the cable, some systems need to be initialized after the cable is reconnected.

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### **3. REMOVE INTAKE AIR SURGE TANK ASSEMBLY**

Click here [INFO](#)

### **4. DRAIN ENGINE COOLANT**

Click here [INFO](#)

### **5. DRAIN AUTOMATIC TRANSMISSION FLUID**

Click here [INFO](#)

### **6. REMOVE PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY**

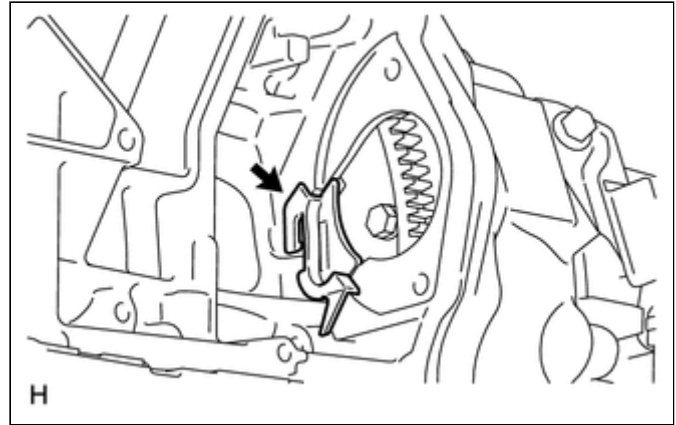
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### **7. REMOVE STARTER ASSEMBLY**

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### **8. REMOVE FLYWHEEL HOUSING SIDE COVER**

- (a) Remove the flywheel housing side cover from the engine assembly.



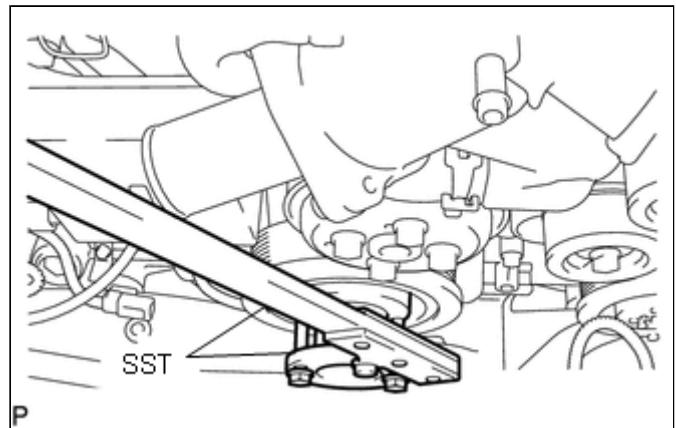
## 9. REMOVE DRIVE PLATE AND TORQUE CONVERTER ASSEMBLY SETTING BOLT

(a) Using SST, hold the crankshaft pulley.

**SST: 09213-70011**

09213-70020

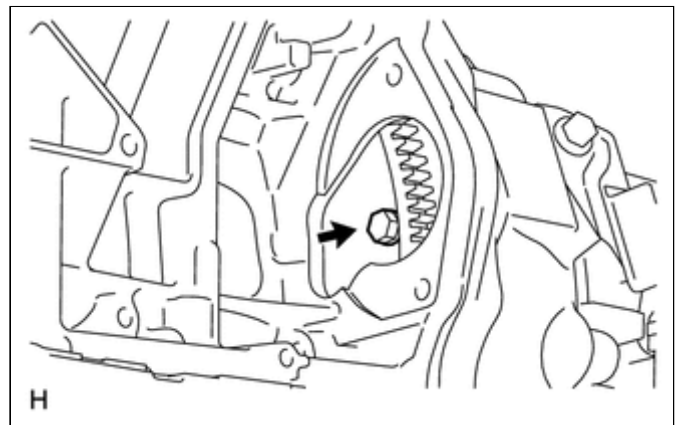
**SST: 09330-00021**



(b) Remove the 6 drive plate and torque converter assembly setting bolts.

### HINT:

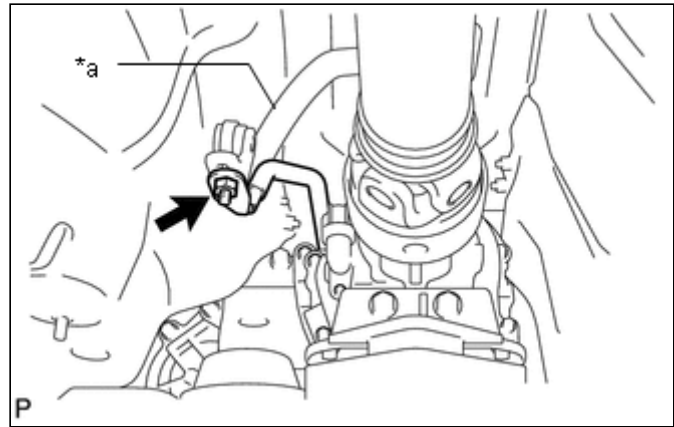
There will be one black colored bolt.



## 10. REMOVE FLOOR SHIFT GEAR SHIFTING ROD SUB-ASSEMBLY

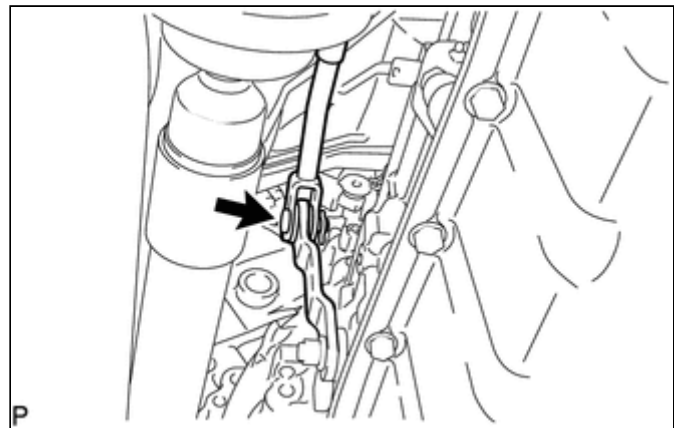
(a) Move the shift lever to N.

(b) Remove the nut and separate the floor shift gear shifting rod sub-assembly from the lever of the transmission floor shift assembly.



*a	Lever
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(c) Remove the clip, pin and floor shift gear shifting rod sub-assembly from the transmission control shaft lever LH.

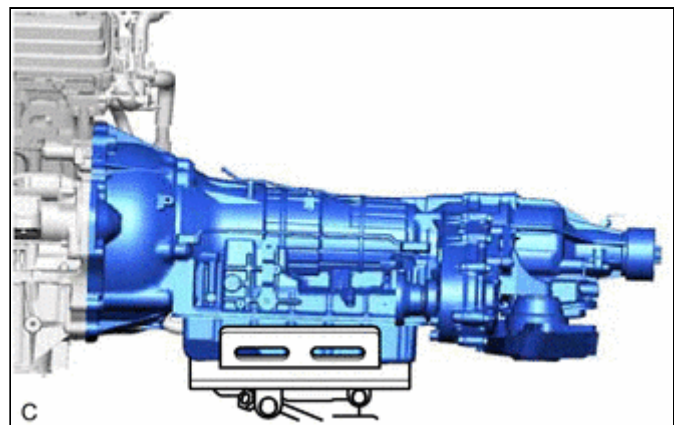


## 11. SUPPORT AUTOMATIC TRANSMISSION WITH TRANSFER ASSEMBLY

(a) Support the automatic transmission with transfer assembly with a transmission jack.

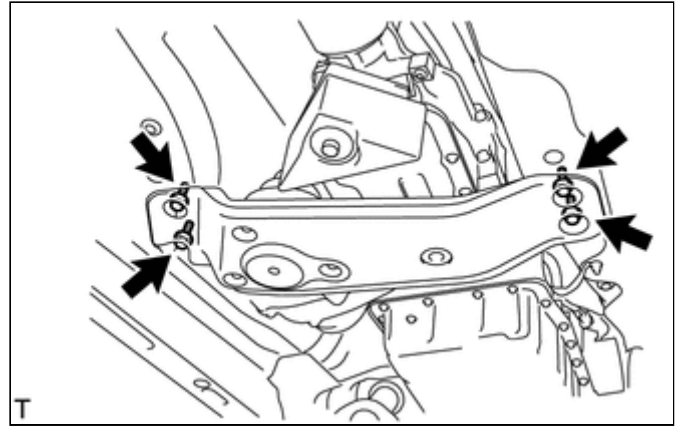
### NOTICE:

- In order to protect the automatic transmission oil pan sub-assembly, place attachments on the transmission jack.
- Make sure that the attachments and the automatic transmission oil pan sub-assembly are centered on the transmission jack.
- To prevent the automatic transmission oil pan sub-assembly from deforming, do not place any attachments under the automatic transmission oil pan sub-assembly of the automatic transmission with transfer assembly.

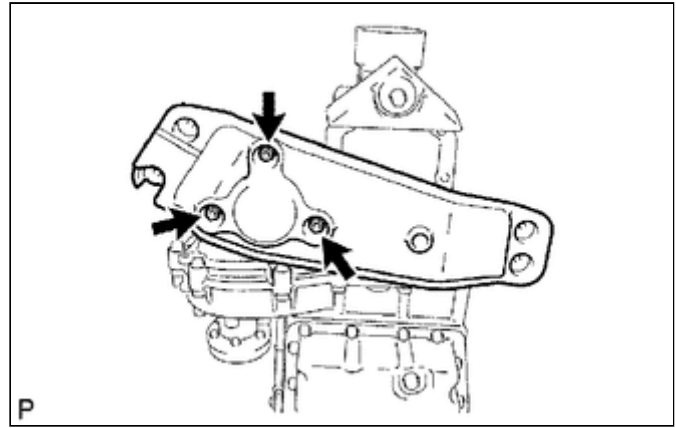


## 12. REMOVE REAR ENGINE MOUNTING MEMBER

(a) Remove the 4 bolts and separate the rear engine mounting member from the body.

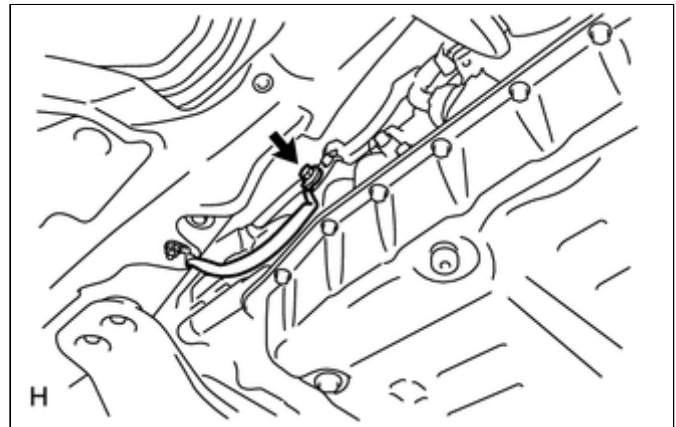


- (b) Remove the 3 nuts and rear engine mounting member from the automatic transmission with transfer assembly.



### 13. DISCONNECT NO. 2 EARTH WIRE

- (a) Remove the bolt and disconnect the No. 2 earth wire from the automatic transmission with transfer assembly.

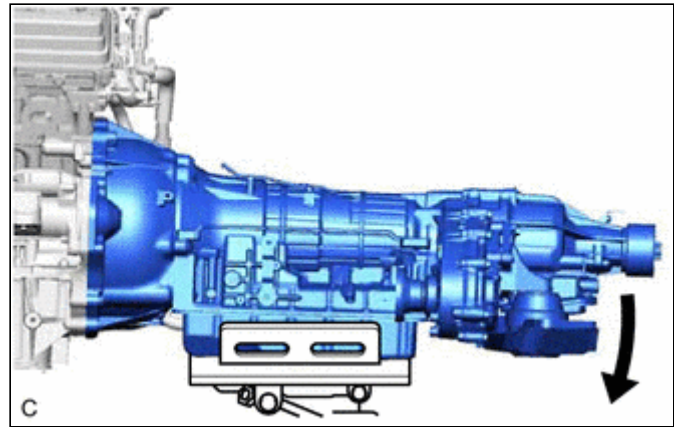


### 14. DISCONNECT WIRE HARNESS AND CONNECTOR

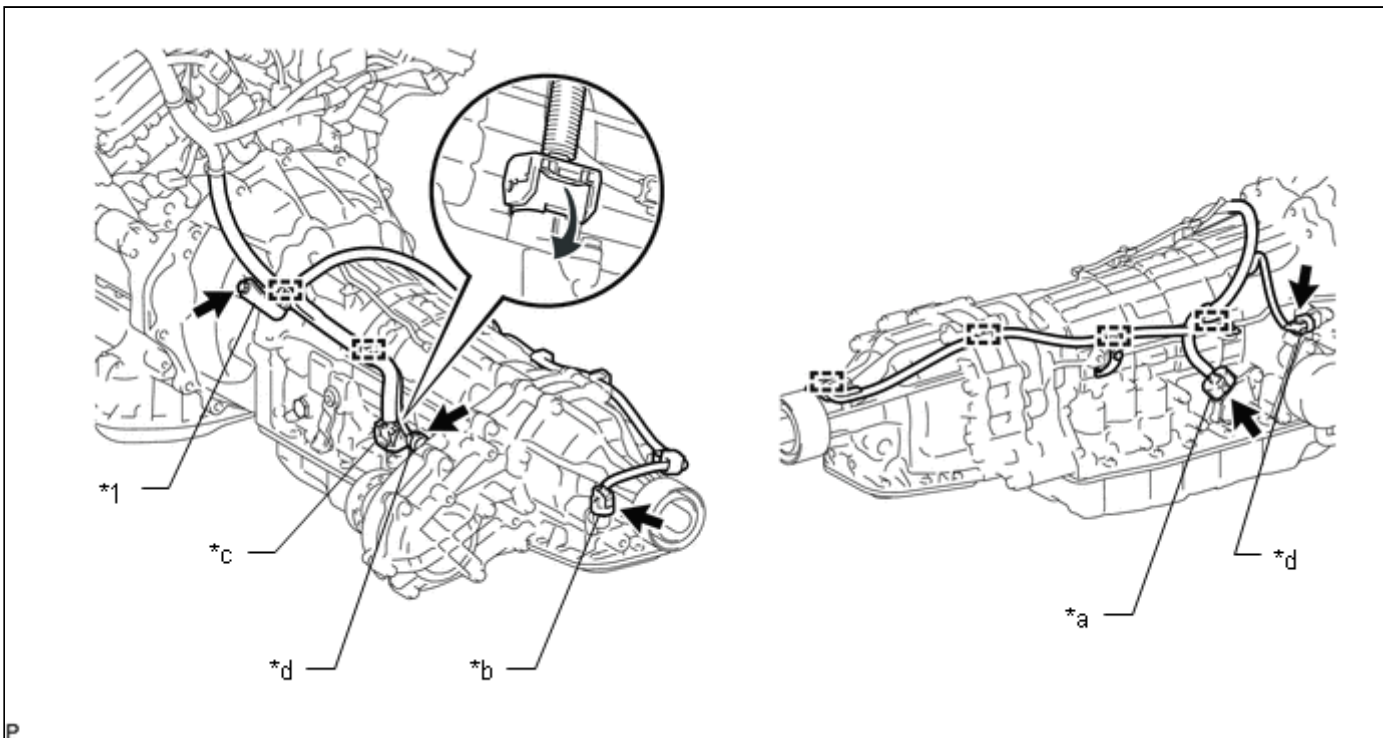
- (a) Tilt down the automatic transmission with transfer assembly.

#### NOTICE:

Make sure that the cooling fan and fan shroud do not contact the engine assembly when tilting the automatic transmission with transfer assembly.



(b) Disconnect the park/neutral position switch assembly connector.



*1	Wire Harness Clamp Bracket	-	-
*a	Park/neutral Position Switch Assembly Connector	*b	Transmission Wire (transfer side) Connector
*c	Transmission Wire (automatic transmission side) Connector	*d	Transmission Revolution Sensor Connector

(c) Disconnect the transmission wire (transfer side) connector.

(d) Disconnect the transmission wire (automatic transmission side) connector.

**HINT:**

Disengage the claw, pull down the lever, and then disconnect the transmission wire (automatic transmission side) connector.

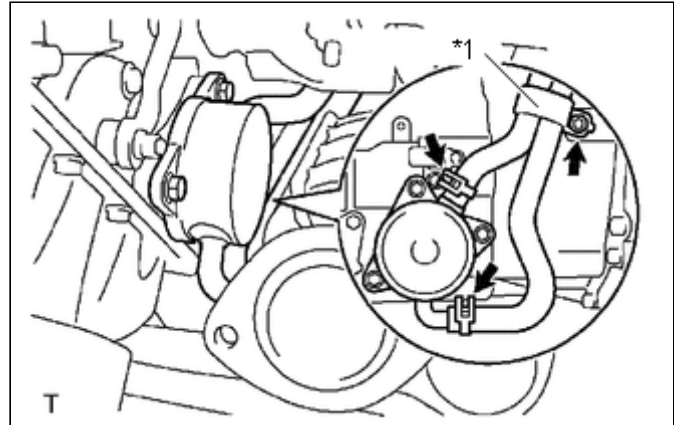
(e) Disconnect the 2 transmission revolution sensor connectors.

(f) Disconnect the 6 clamps and remove the wire harness from the automatic transmission with transfer assembly.

(g) Remove the bolt and wire harness clamp bracket from the automatic transmission with transfer assembly.

### 15. DISCONNECT WATER BY-PASS HOSE

- (a) Remove the bolt and hose clamp from the automatic transmission with transfer assembly.



*1	Hose Clamp
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- (b) Slide the 2 clips and disconnect the water by-pass hose and No. 2 water by-pass hose from the transmission oil cooler.

**HINT:**

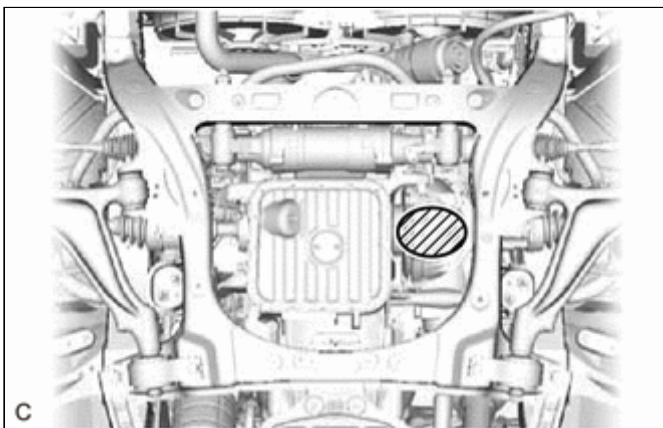
Use a container to catch any coolant which flows out of the water by-pass hose and No. 2 water by-pass hose.

### 16. REMOVE AUTOMATIC TRANSMISSION WITH TRANSFER ASSEMBLY

**NOTICE:**

Secure the automatic transmission with transfer assembly to the transmission jack using a belt, etc. to prevent it from falling.

- (a) Set the engine lifter.



	Attachment Installation Position
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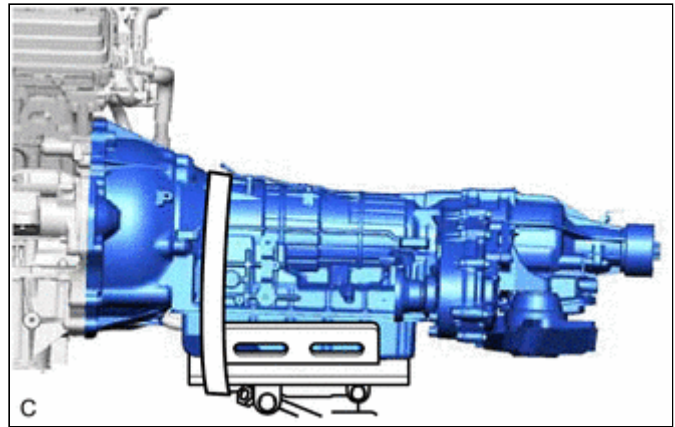
**NOTICE:**

- Place the height adjustment and plate lift attachments under the front differential carrier assembly.
- To prevent the oil pan from deforming, do not place any attachments under the oil pan of the engine assembly.

- (b) Secure the automatic transmission with transfer



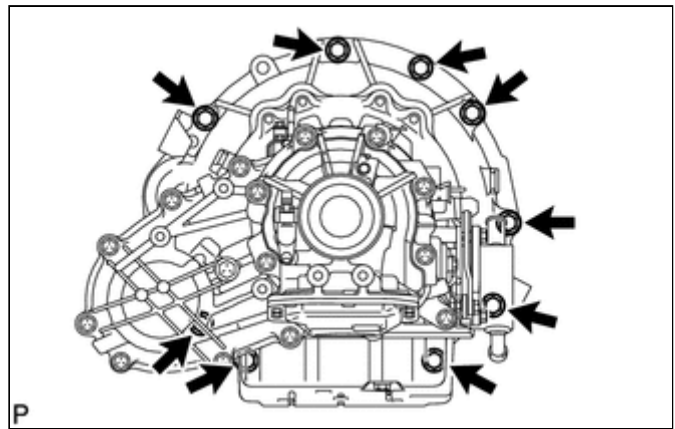
assembly to the transmission jack using a belt, etc. as shown in the illustration.



(c) Remove the 9 bolts and automatic transmission with transfer assembly from the engine assembly.

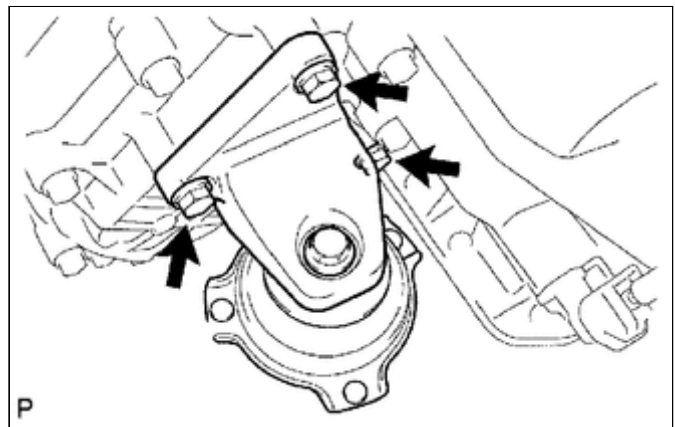
**NOTICE:**

- Secure the automatic transmission with transfer assembly to the transmission jack using a belt, etc. to prevent it from falling.
- To prevent damage to the knock pins, do not pry between the automatic transmission with transfer assembly and engine assembly.



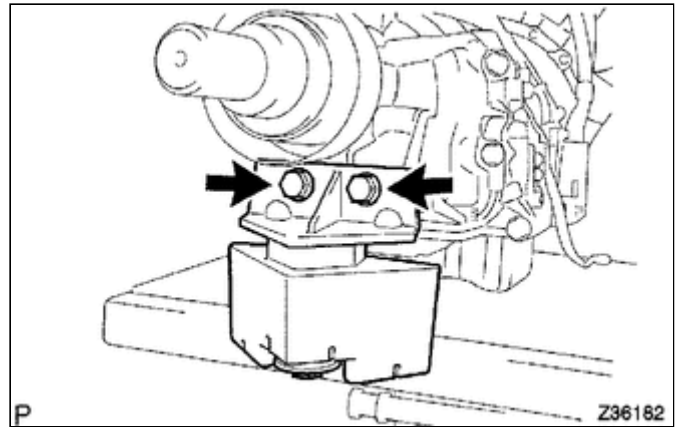
**17. REMOVE NO. 1 ENGINE MOUNTING BRACKET**

(a) Remove the 3 bolts and No. 1 engine mounting bracket from the automatic transmission with transfer assembly.



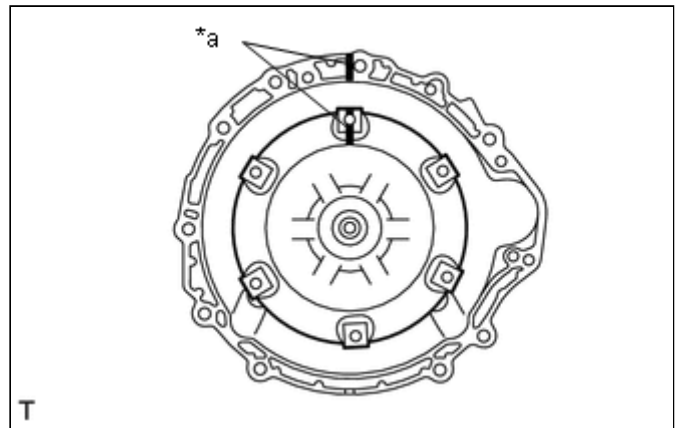
**18. REMOVE TRANSFER DYNAMIC DAMPER**

(a) Remove the 2 bolts and transfer dynamic damper from the automatic transmission with transfer assembly.



## 19. REMOVE TORQUE CONVERTER ASSEMBLY

(a) Put matchmarks on the case and the torque converter assembly.



*a	Matchmark
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(b) Remove the torque converter assembly from the automatic transmission with transfer assembly.

## 20. INSPECT TORQUE CONVERTER ASSEMBLY

Click here [INFO](#)

