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AUTOMATIC TRANSMISSION SERVICE GROUP



Technical Service Information

INTRODUCTION

TOYOTA A-340 E H

The Toyota A-340 E and A-340 H automatic overdrive unit was designed for use in trucks. The unit comes with either computer controls (E) or hydraulic controls (H).

This unit was introduced in 1985 vehicles. This booklet covers teardown and assembly of both the 340 E and 340 H models.

We thank Toyota Motor Company for the illustrations and information that made this booklet possible.

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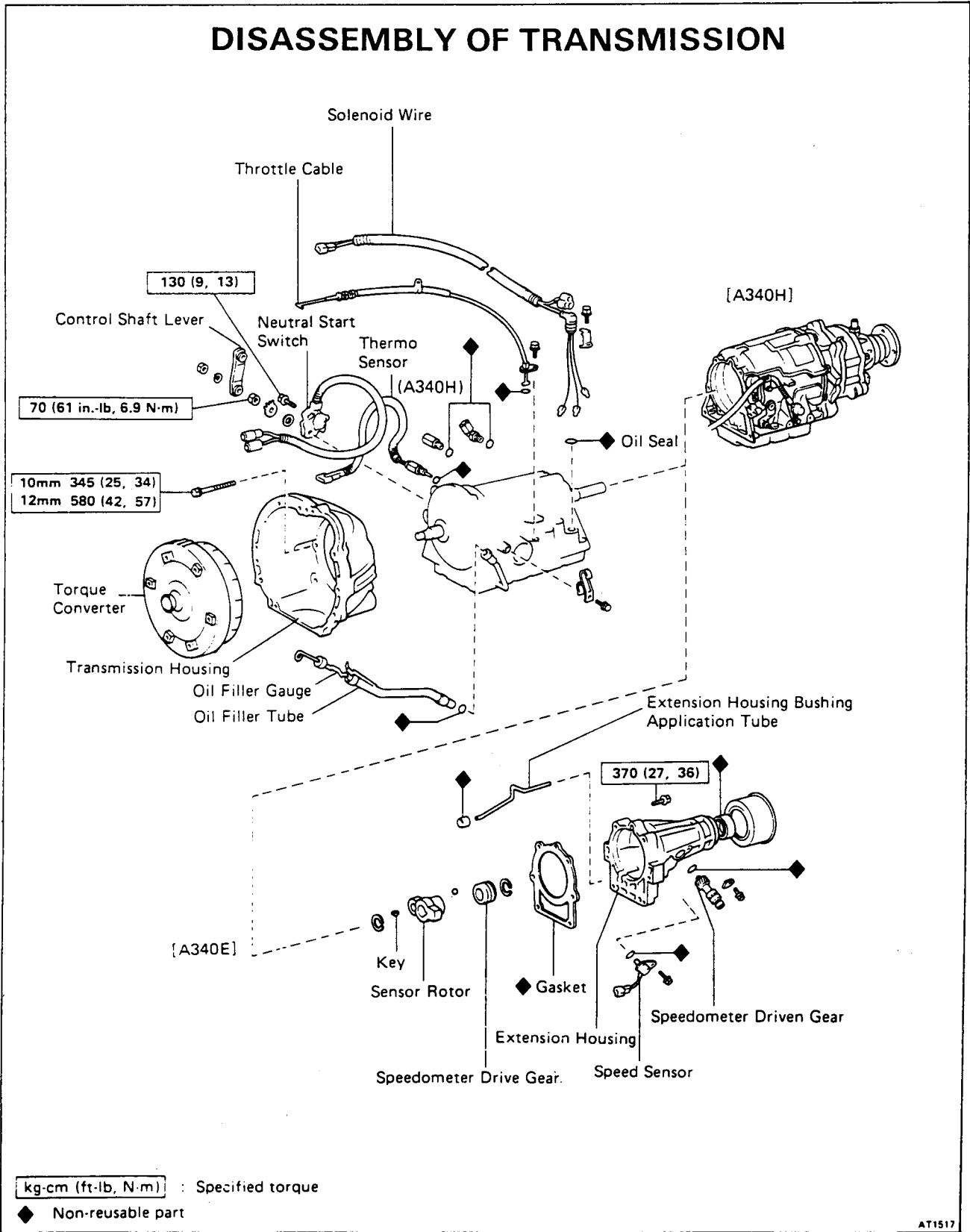
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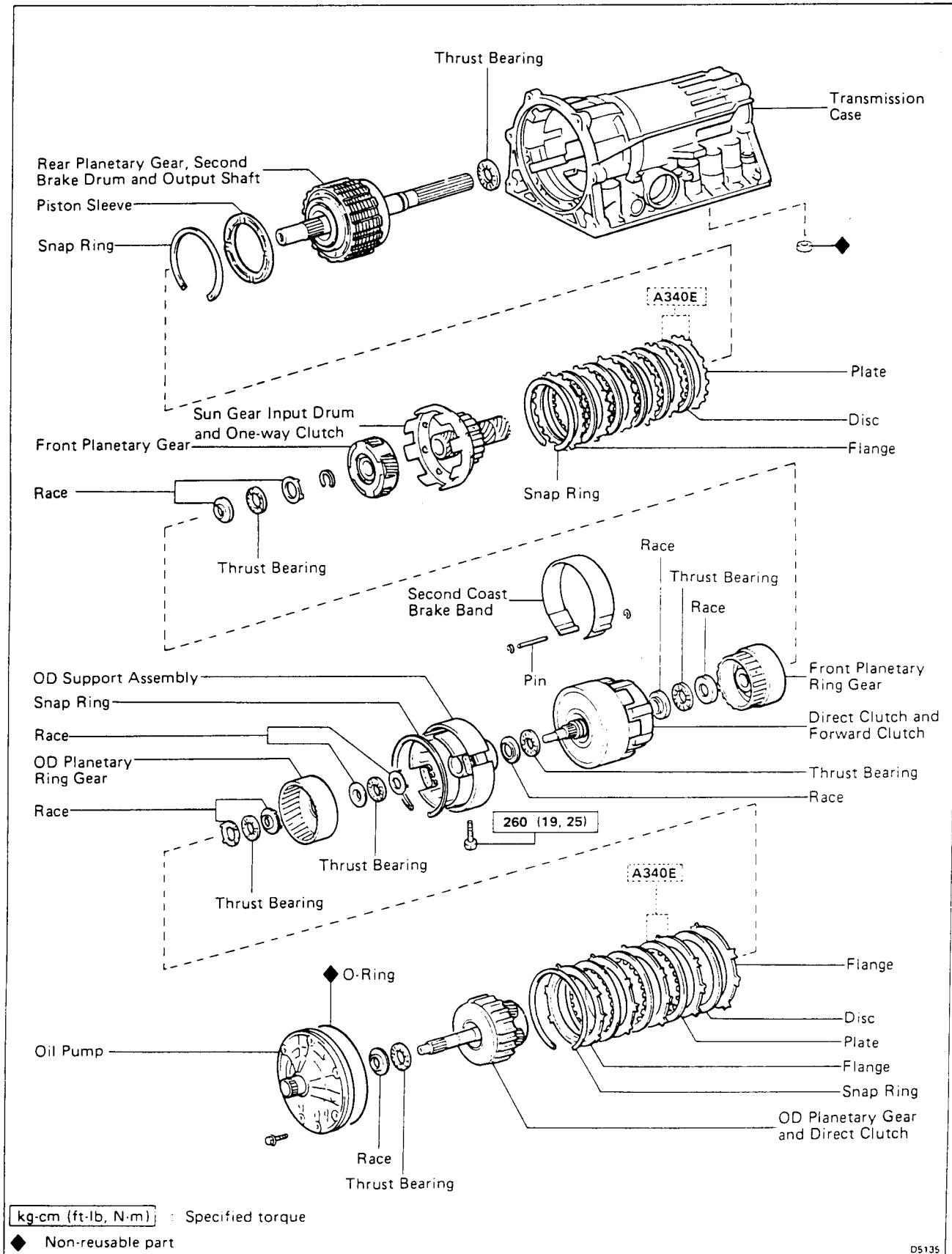
COMPONENTS





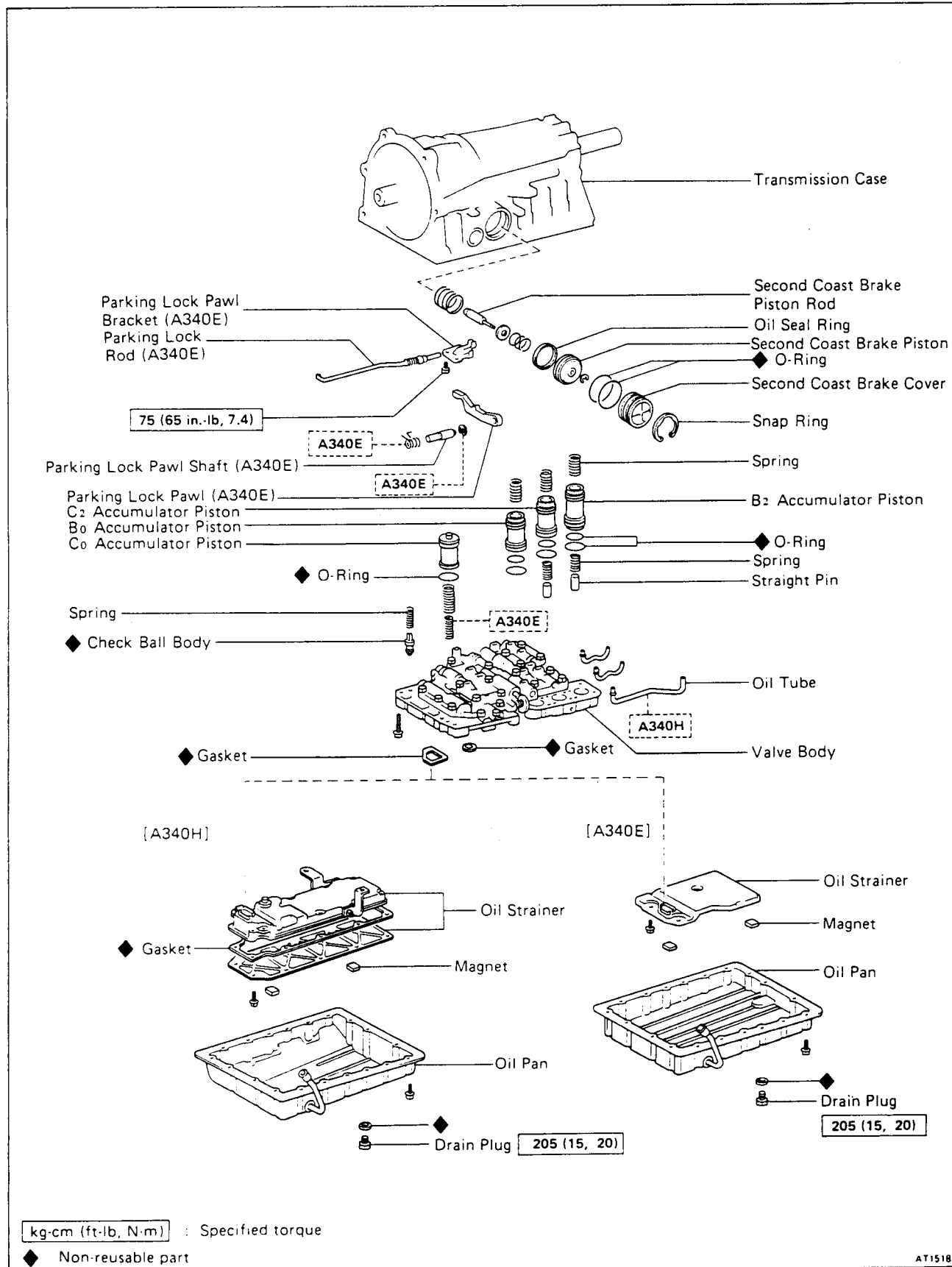
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COMPONENTS (Cont'd)



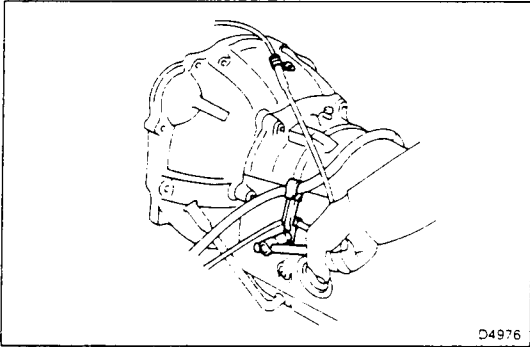
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COMPONENTS (Cont'd)

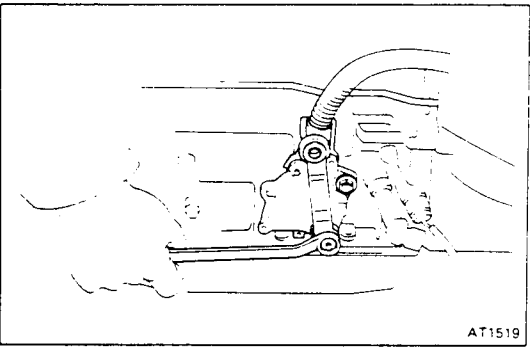




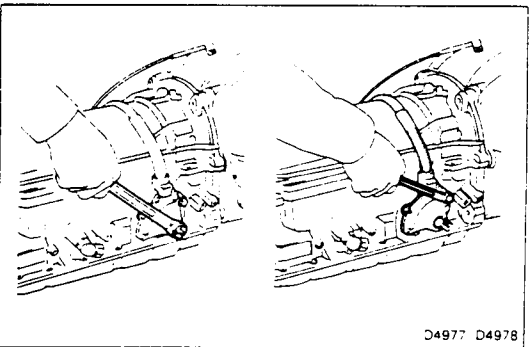
SEPARATE BASIC SUBASSEMBLY



REMOVE WIRE HARNESS CLAMP AND THROTTLE CABLE CLAMP

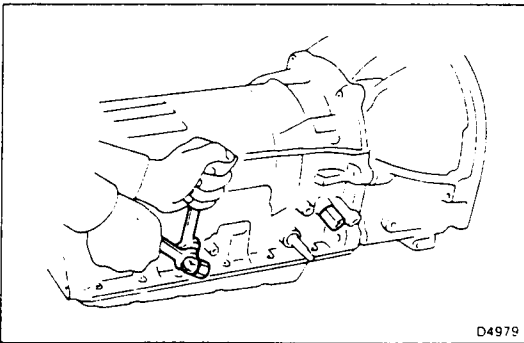


REMOVE CONTROL SHAFT LEVER



REMOVE NEUTRAL START SWITCH

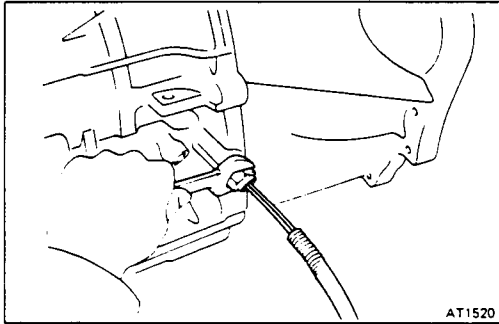
- (a) Unstake the lock washer.
- (b) Remove the nut and bolts, and then remove the neutral start switch.
- (c) Remove the lock washer and grommet.



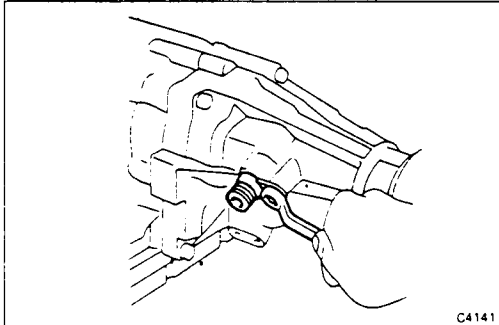
REMOVE TWO UNIONS



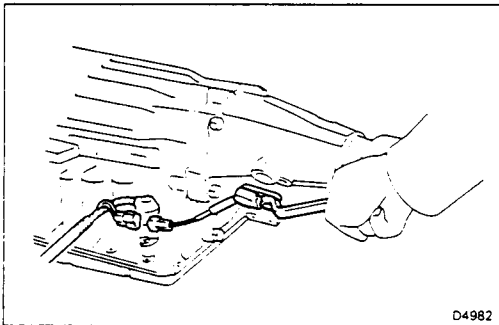
Technical Service Information



REMOVE THERMO SENSOR (A340H)

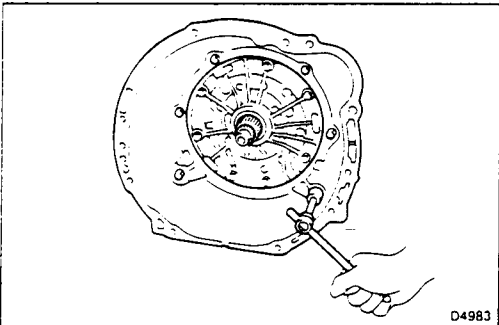


REMOVE SPEEDOMETER DRIVEN GEAR (A340E)



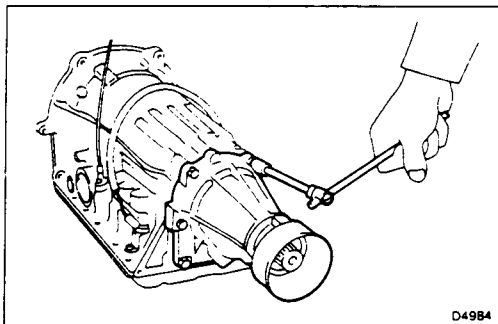
REMOVE SPEED SENSOR (A340E)

- (a) Disconnect the connector.
- (b) Remove the speed sensor.



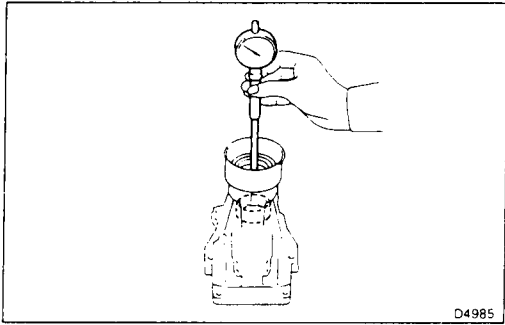
REMOVE TRANSMISSION HOUSING

- (a) Remove the six bolts.
- (b) Remove the transmission housing.



REMOVE EXTENSION HOUSING (A340E)

- (a) Remove the six bolts.
- (b) Remove the extension housing and gasket.



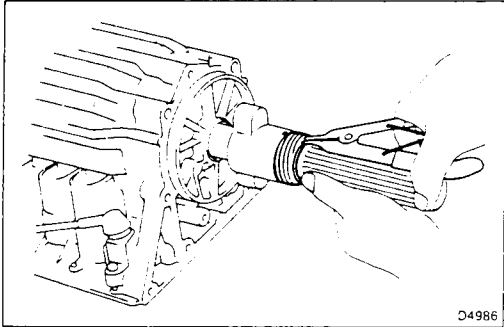
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INSPECT EXTENSION HOUSING BUSHING (A340E)

Using a cylinder gauge, measure the inside diameter of the extension housing bushing.

Maximum inside diameter: 40.09 mm (1.5783 in.)

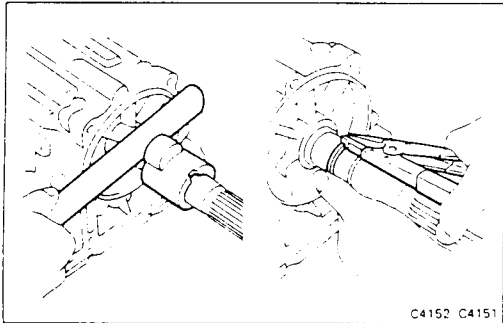
If the inside diameter is greater than the maximum, replace the extension housing.



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REMOVE SPEEDOMETER DRIVE GEAR (A340E)

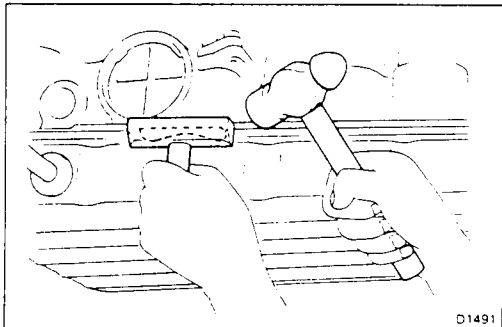
- (a) Using snap ring pliers, remove the snap ring.
- (b) Remove the speedometer drive gear and ball.



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REMOVE SENSOR ROTOR (A340E)

- (a) Remove the sensor rotor and key.
- (b) Using snap ring pliers, remove the snap ring.

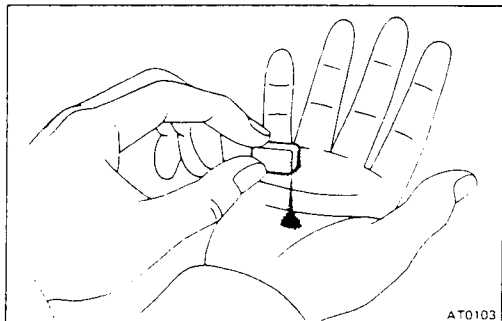


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REMOVE OIL PAN

CAUTION: Do not turn over the transmission as this will contaminate the valve body with foreign materials in the bottom of the pan.

- (a) Remove the nineteen bolts.
- (b) Remove pan by lifting the transmission case.



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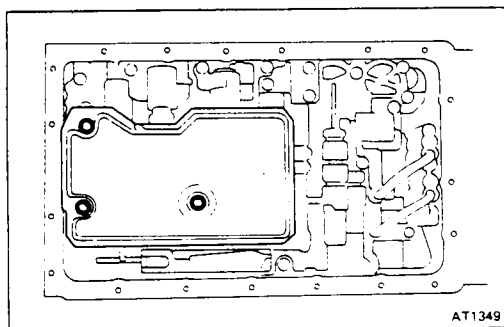
EXAMINE PARTICLES IN PAN

Remove the magnet and use it to collect any steel chips. Look carefully at the chips and particles in the pan and on the magnet to anticipate what type of wear you will find in the transmission:

- Steel (magnetic) bearing, gear and clutch plate wear
- Brass (non-magnetic) . . . bushing wear

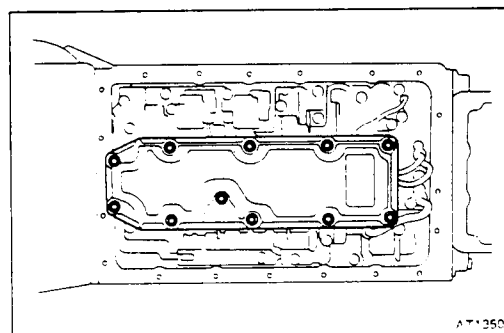


Technical Service Information



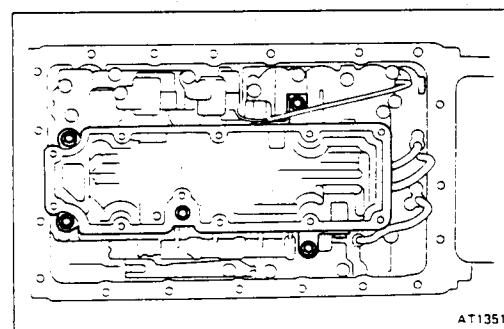
(A340E) TURN OVER TRANSMISSION AND REMOVE OIL STRAINER

- Remove three bolts holding the oil strainer to the valve body.
- Remove the oil strainer and two gaskets.

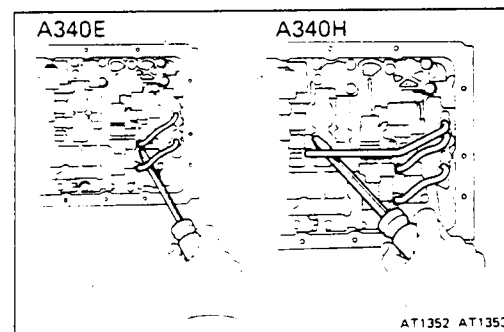


(A340H) TURN OVER TRANSMISSION AND REMOVE OIL STRAINER

- Remove eleven bolts holding the lower oil strainer to the upper oil strainer.
- Remove the lower oil strainer and gasket.



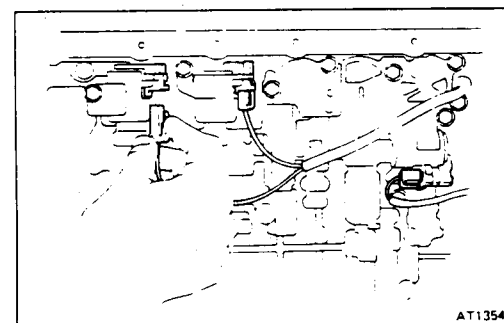
- Remove five bolts holding the upper oil strainer to the valve body.
- Remove the upper oil strainer and two gaskets.



REMOVE OIL TUBES

Pry up both tube ends with a large screwdriver and remove the tubes.

- A340E : Two tubes
A340H : Three tubes



REMOVE SOLENOID WIRING

- Disconnect the connectors from the No. 1, No. 2 and No. 3 solenoids.