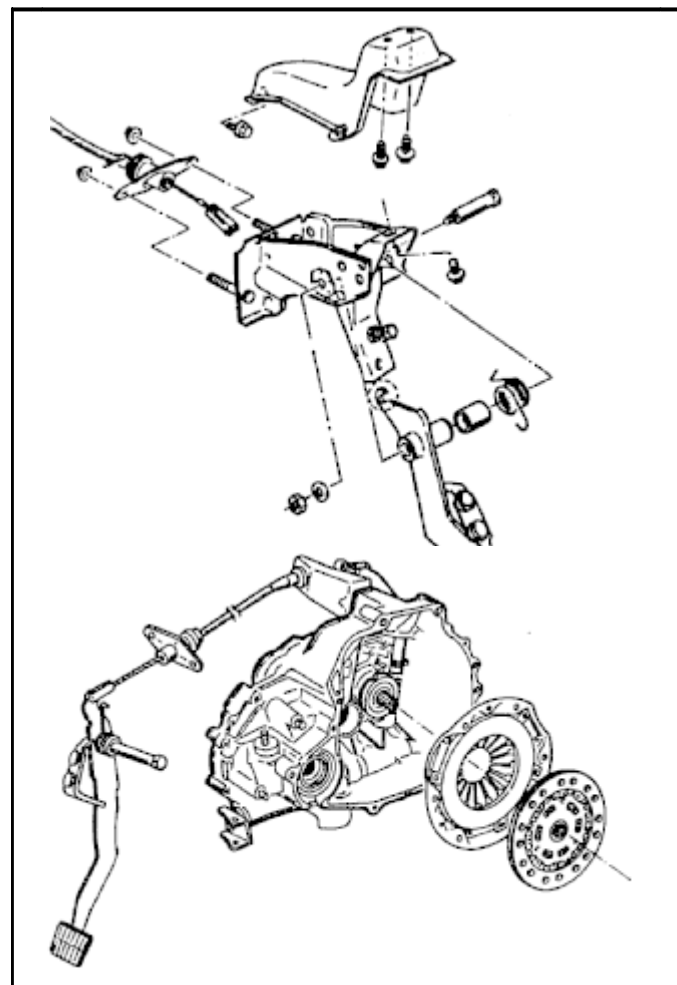
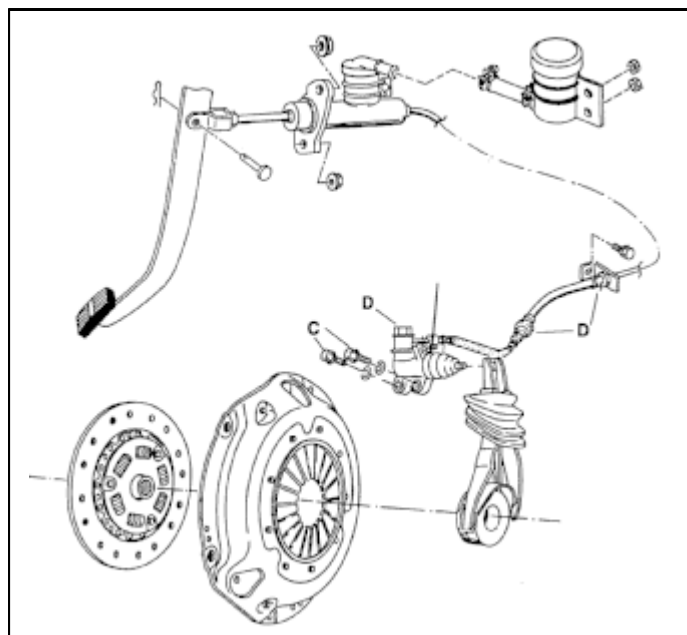


## Driveline

### Clutch

#### Removal and installation

See the illustrations. To remove the clutch, first take out the transmission. See transaxle removal and installation.



torque settings, in Nm	
A, bolt	16 - 22
A, selector	12 - 15
B	16 - 22
C	30 - 40
D	17 - 20

## Transaxle

### Removal and installation

The transaxle is removed downwards separated from the engine. Proceed as follows:

Drain the transmission oil. Remove the battery and battery holder. Remove the front wheel hub nuts and calipers. Undo the track rod ball joint nuts. Carefully tap the drive shafts out of the stub axles. Remove the drive shafts by prising the drive shaft out of the differential housing with a screwdriver. Place a support under the engine sump. Place an hydraulic jack under the gearbox. Remove the securing bolts. Lower the gearbox.

Refit the components in reverse order of removal. Before the drive shafts can be refitted, new oil seals must be put in place. Use fitting tool KV38105500 to protect the oil seals when fitting the drive shafts, if necessary.

torque settings, in Nm	
Wheel hub nut	196 - 275
Wheel nuts	98 - 118
Brake caliper	54 - 64
Track rod ball joint	29 - 39
Drain plug (except CA 18DE)	25 - 34
Drain plug, CA 18DE engine	20 - 29
Filler plug	25 - 34
Securing gearbox half sections	16 - 21

Fitting gearbox to engine block, see illustration

– E 10S, E 13S:

A, bolt length 70 mm: 16 - 21

B, bolt length 40 mm: 20 - 29

C, bolt length 25 mm: 16 - 21

D, bolt length 20 mm: 20 - 29

– E 16S, E 16i:

A, bolt length 70 mm: 23 - 27

B, bolt length 40 mm: 20 - 29

C, bolt length 25 mm: 16 - 21

D, bolt length 20 mm: 20 - 29

– GA engine:

A, bolt length 70 mm: 30 - 40

B, bolt length 30 mm: 30 - 40

C, bolt length 25 mm: 16 - 21

D, bolt length 25 mm: 16 - 21

– CA 16DE:

A, bolt length 90 mm: 30 - 40

B, bolt length 55 mm: 30 - 40

C, bolt length 40 mm: 16 - 21

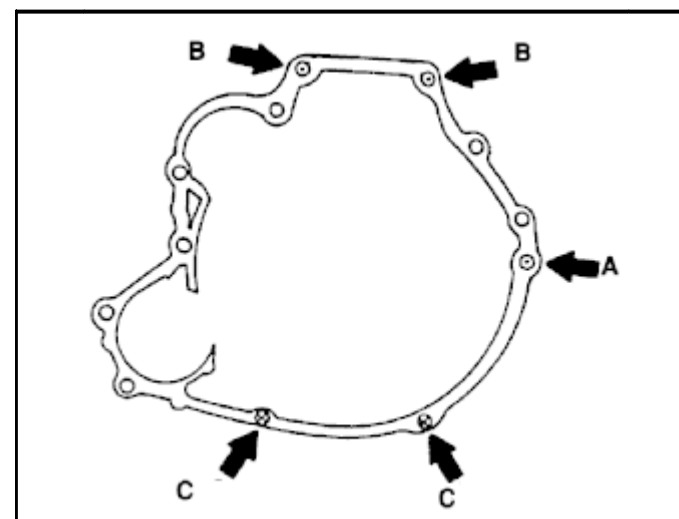
D, bolt length 25 mm: 16 - 21

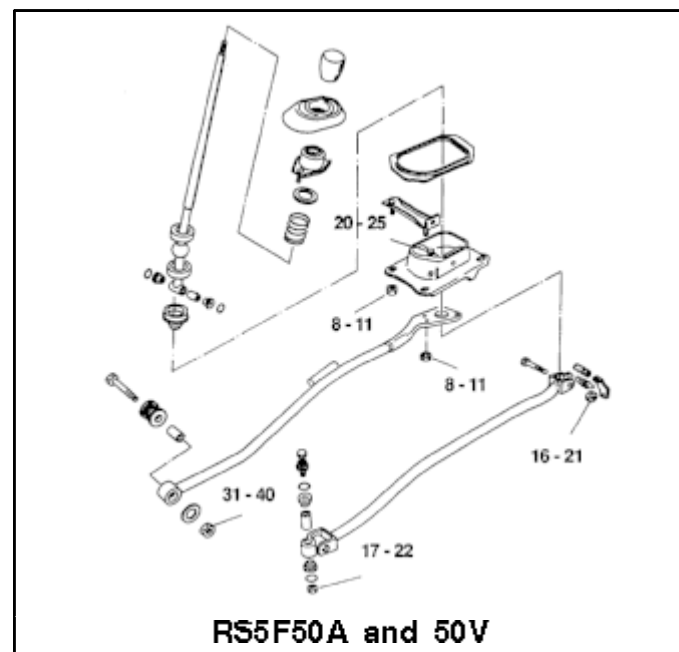
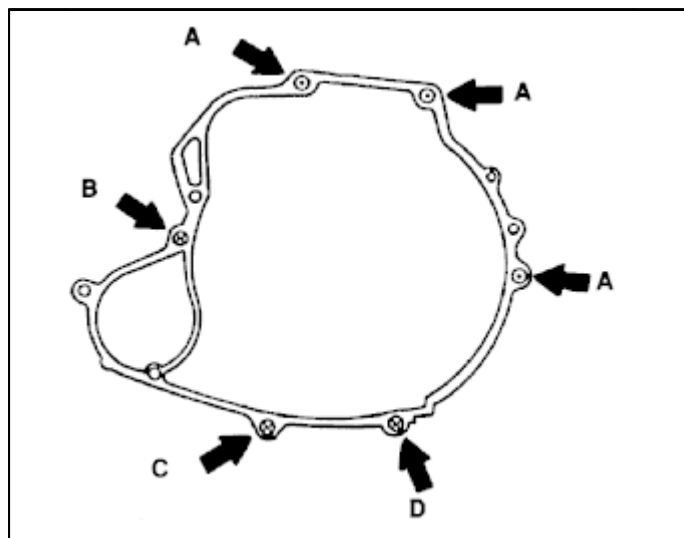
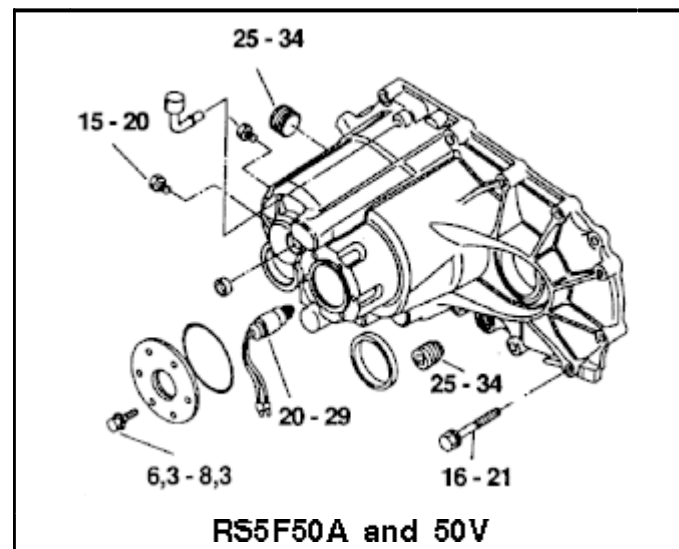
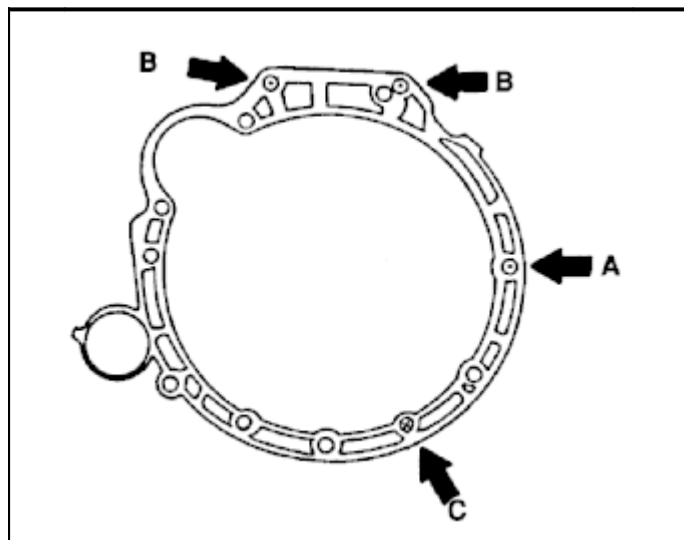
– CA 18DE:

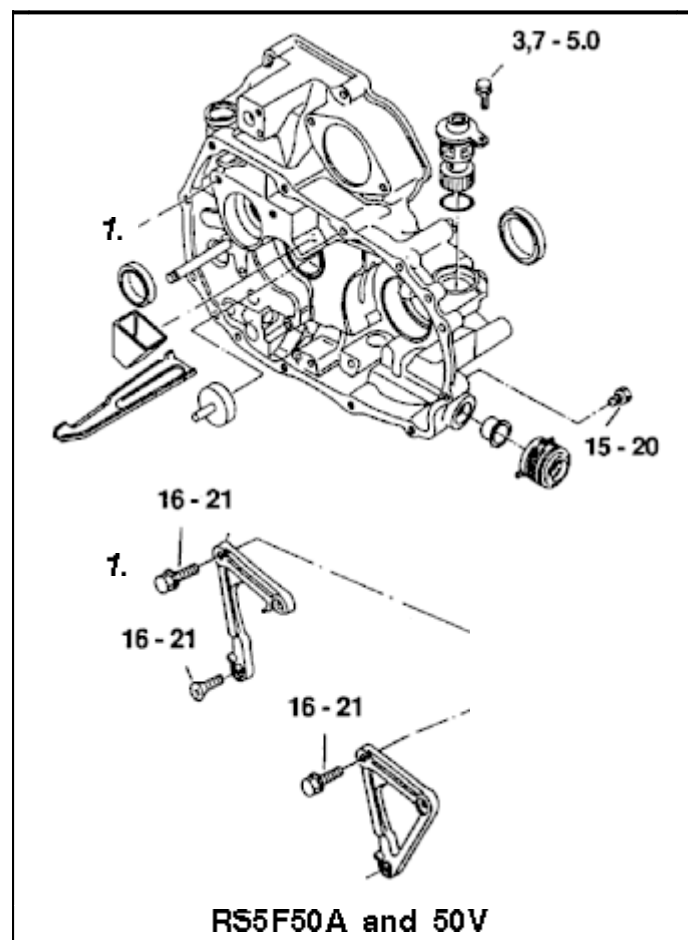
A, bolt length 125 mm: 43 - 58

B, bolt length 65 mm: 43 - 58

C, bolt length 45 mm: 30 - 40







## Automatic transaxle

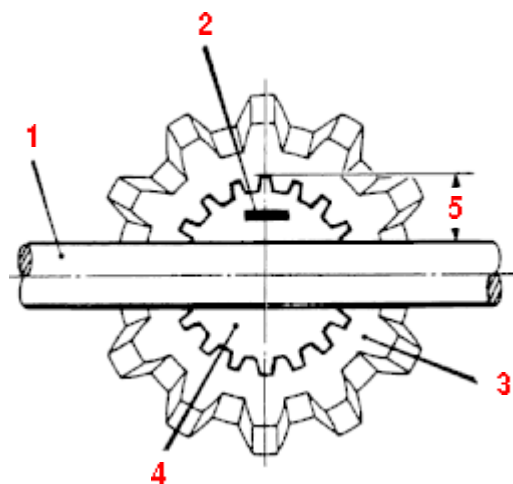
Drain the transmission oil. Disconnect all connections and joints. Remove the front wheel hub nuts and calipers. Undo the track rod ball joint nuts. Carefully tap the drive shafts out of the stub axles. Remove the RH drive shaft by prising the joint out of the differential housing with a screwdriver.

Remove the LH drive shaft. With a screwdriver tap the end of the LH shaft via the RH shaft opening in the differential housing; prevent damaging the satellite gear shaft and gear, see the illustration. Remove the torque converter to drive plate bolts via a circular opening in the bottom of the rear engine plate. Apply markings, so that the torque converter can be replaced in the same position. Place a support under the engine sump. Place an hydraulic jack under the transmission housing. Remove the securing bolts. Lower the transmission.

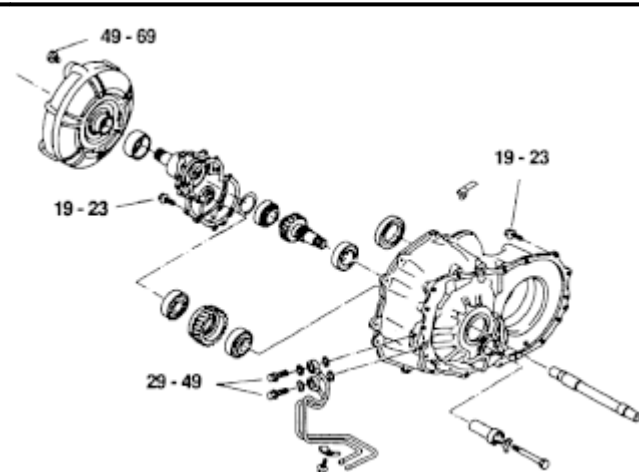
Refit the components in reverse order of removal. Before the transmission is secured to the engine block, measure the distance from one of the torque converter faces to the transmission housing mounting face; this dimension must be at least 21,1 mm, see the illustration. Fit the transmission to the engine block. Ensure that the torque converter is located correctly against the drive plate with help from the markings. Tighten the transmission housing bolts to 16 - 22 Nm. Coat the torque converter securing bolts thread with locking compound. Tighten to 49 - 69 Nm. Rotate the crankshaft a few times: check that the transmission is running freely. Before fitting the drive shafts new oil seals must be put in place. Use fitting tool KV38105500 to protect the oil seals when fitting the drive shafts, if necessary.

**torque settings, in Nm**

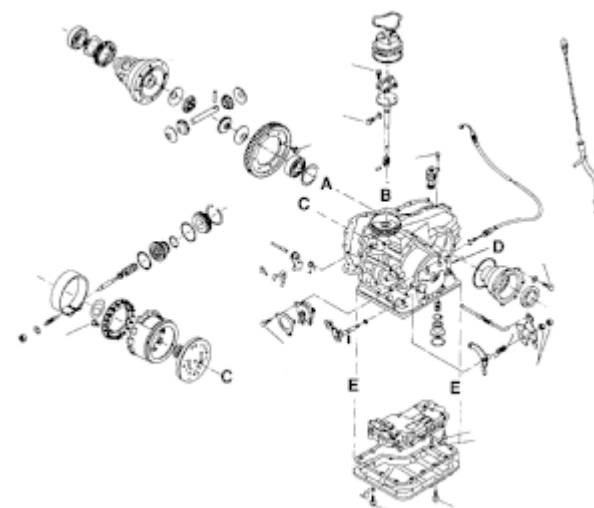
Wheel hub nut	196 - 275
Wheel nuts	98 - 118
Brake caliper	54 - 64
Track rod ball joint	29 - 39
Securing transmission housing sections	19 - 23
Torque converter securing bolts (with sealant)	49 - 69
Fitting transmission housing to engine block	16 - 22



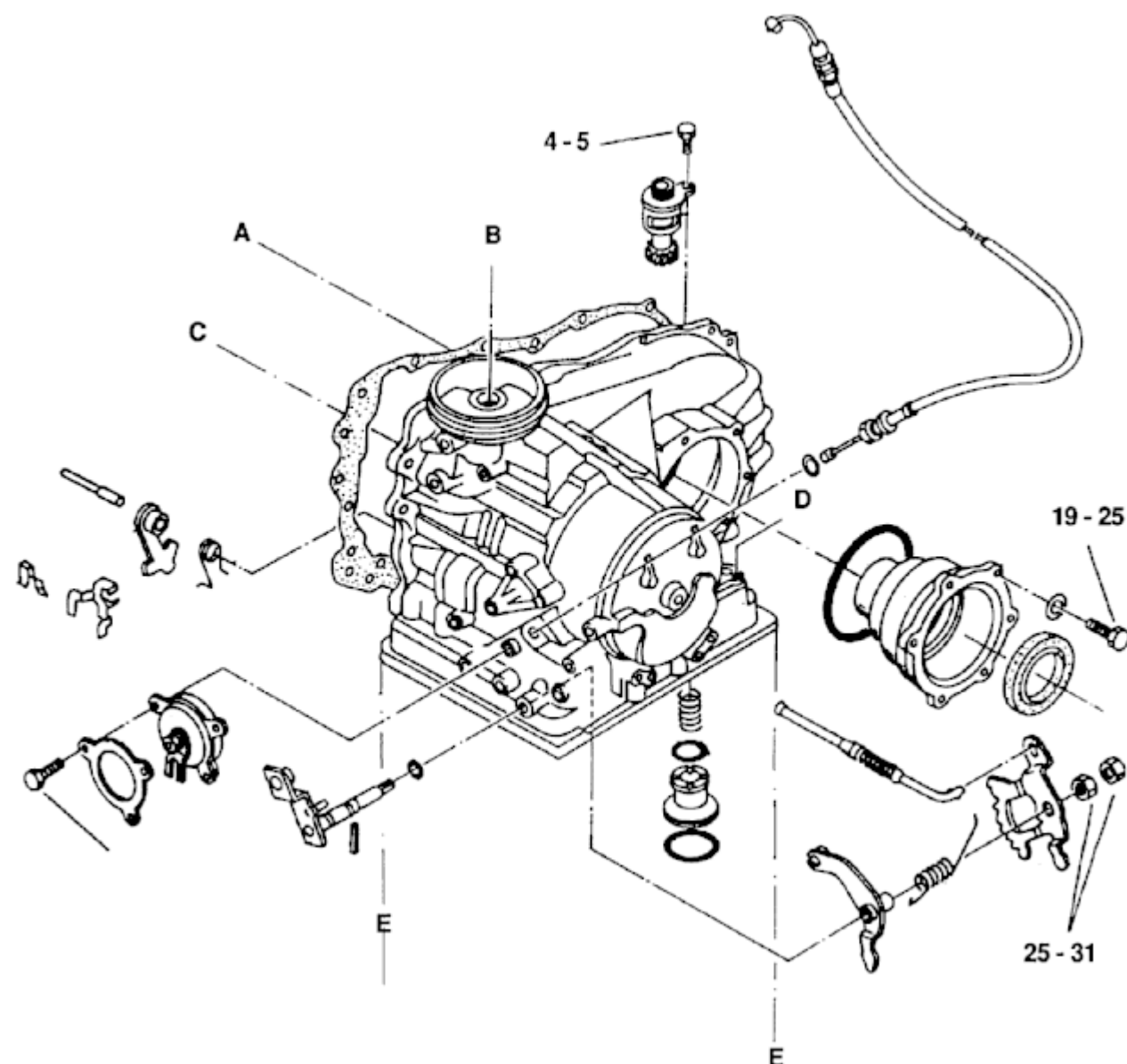
- 1. Satellite gear shaft
- 2. Screwdriver contact point
- 3. Satellite gear
- 4. Drive shaft
- 5. 5 mm



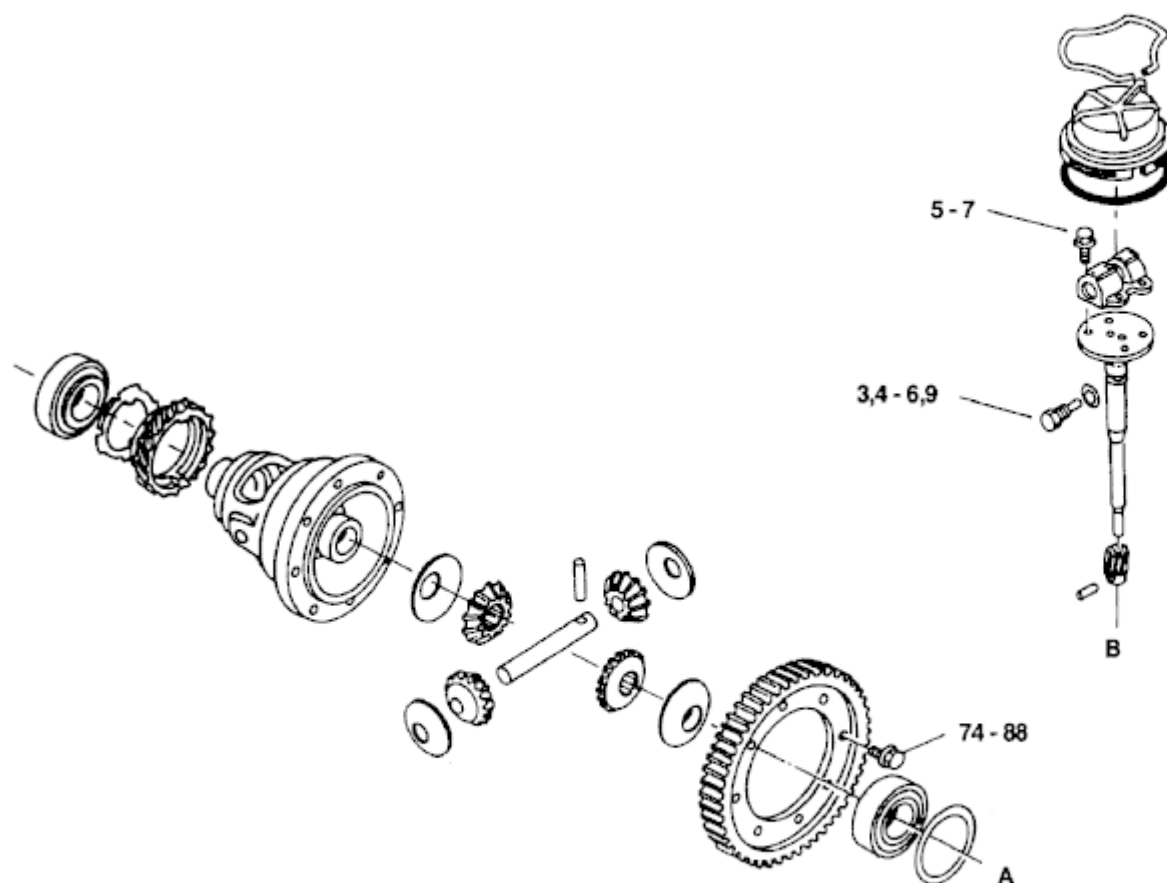
**Automatic transaxle front half overview drawing**



**Automatic transaxle rear half overview drawing**

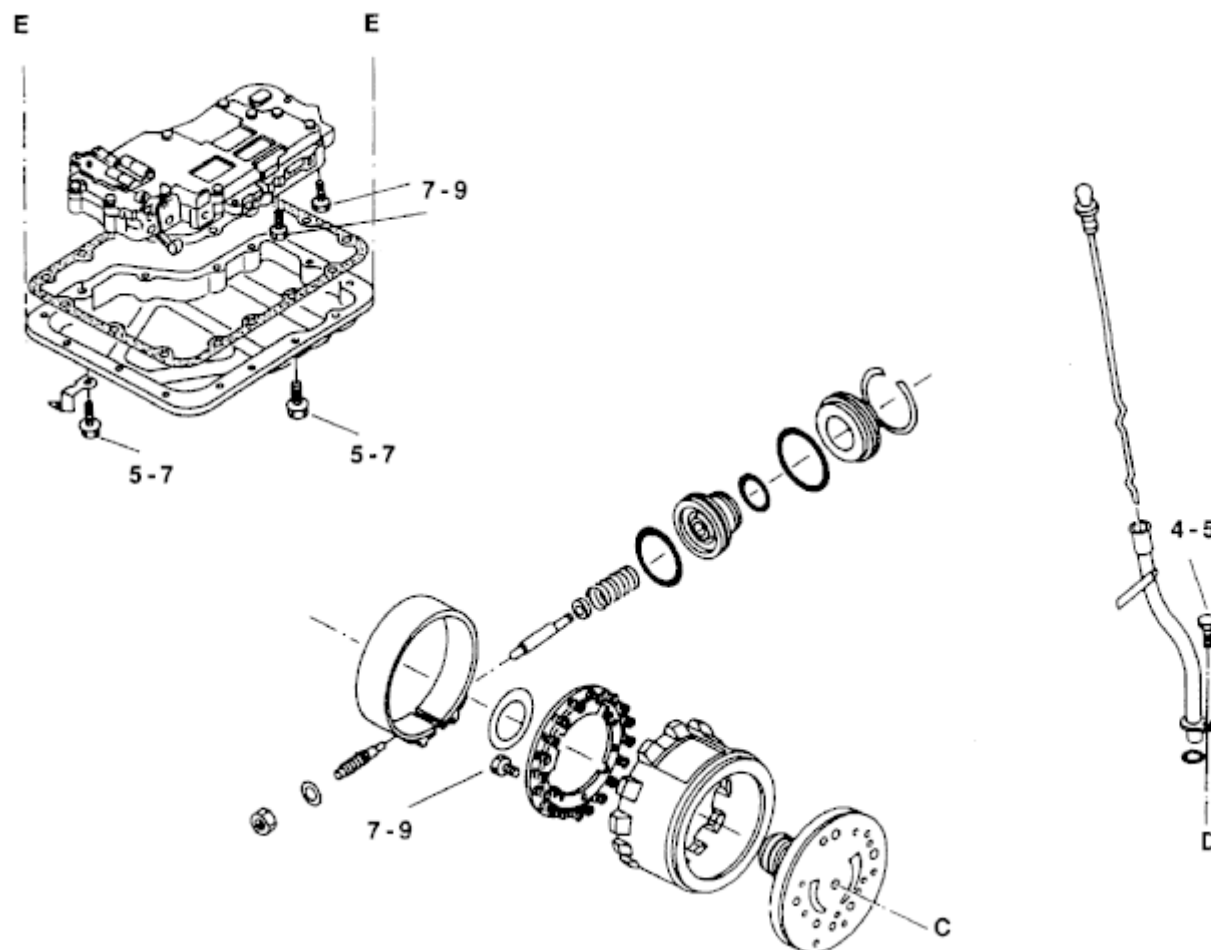


Part I, automatic transaxle  
Torque settings in Nm



Part II, automatic transaxle  
Torque settings in Nm





Part III, automatic transaxle  
Torque settings in Nm