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# W55 W56 MANUAL TRANSMISSION

## DESCRIPTION

### PRECAUTIONS

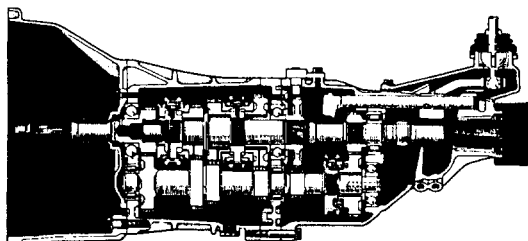
When working with FIPG material, you must observe the following.

- Using a razor blade and gasket scraper, remove all the old FIPG material from the gasket surfaces.
- Thoroughly clean all components to remove all the loose material.
- Clean both sealing surfaces with a non-residue solvent.
- Apply the seal packing in an approx. 1 mm (0.04 in.) wide bead along the sealing surface.
- Parts must be assembled within 10 minutes of application. Otherwise, the FIPG material must be removed and reapplied.

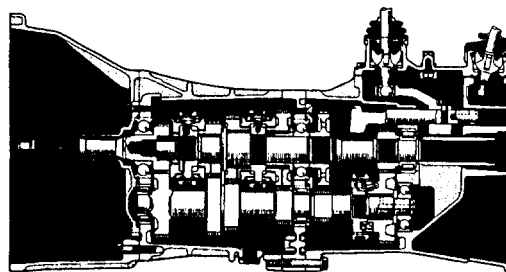
### DESCRIPTION

- The W55 (for 2WD) and W56 (for 4WD) manual transmissions are 3-shift type, having an input shaft, output shaft and counter gear. Power is transmitted from the input shaft to the counter gear, and then to the output shaft which is co-axially fitted to the input shaft. The input shaft and the output shaft are engaged directly to each other in the 4th gear position.
- The 1st through 5th gears are constant mesh gears which use an inertia lock key type synchromesh mechanism. The reverse gear is a sliding mesh gear which is engaged by sliding the idler gear.
- W55 and W56 are manual transmissions use a single-cone synchromesh mechanism for the reverse gear.

W55



W56



Type of Transmission		W55	W56
Type of Engine		22R-E	
Gear Ratio	1st	3.566	3.954
	2nd	2.056	2.141
	3rd	1.384	←
	4th	1.000	←
	5th	0.850	←
	Reverse	4.091	←
Oil Capacity		2.6 liters (2.7 US qts, 2.3 Imp.qts)	2.9 liters (3.0 US qts, 2.6 Imp.qts)
Oil Viscosity		SAE 75W-90 or 80 W-90	
Oil Grade		API GL-4	