

# Transmission

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## SPECIFICATIONS

|  |   |                |
|--|---|----------------|
| Gears .....  | 5 forward, 1 reverse  |                |
| Synchronizers  |   |                |
| Blocker type, conventional cone .....                              | 1st and 2nd   |                |
| Porsche type .....   | 3rd, 4th and 5th  |                |
| Gear ratios to 1   | <b>1979-80</b>  | <b>1981-82</b> |
| first .....  | 3.583   | 3.583          |
| second .....   | 2.235   | 2.235          |
| third .....  | 1.454   | 1.461          |
| fourth .....   | 1.042   | 1.033          |
| fifth .....  | 0.863   | 0.863          |
| reverse .....  | 3.714   | 3.714          |
| Backlash between gears .....                                       | .004 in. (0.1 mm)   |                |
| Alignment tolerance of shafts .....                                | .002 in. (0.05 mm)  |                |
| Clearance between reverse gear shaft and bush fitted to gear ..... | .003 to .006 in. (0.08 to 0.15 mm)  |                |
| <b>DRIVING AXLE</b>  |   |                |
| Final drive gear set .....   | Helical, cylindrical  |                |
| Final drive ratio .....  | 13/53 (4.077 to 1)  |                |
| Oil type .....   | SAE 80/90W  |                |
| Quantity .....   | 3.2 qt. (3.0 lt)  |                |
| Differential case bearings .....                                   | 2   |                |
| Type of bearings .....   | Tapered roller  |                |
| Adjustment for preload of differential case bearings ...           | Through shims   |                |
| Pinion to side gears backlash adjustment .....                     | NONE  |                |
| Power drive to rear wheels .....                                   | By axle shafts connected to final drive and to wheels through constant-velocity ball joints |                |

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**TORQUE SPECIFICATIONS**


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| DESCRIPTION   | THREAD      | N·m  | TORQUE FIGURE |         |
|---|-------------|------|---------------|---------|
|   |             |      | Kgm           | Ft. Lb. |
| <b>TRANSMISSION</b>   |             |      |               |         |
| Bolt retaining internal selector and spring cover .....                         | M 8         | 24.4 | 2.5           | 18      |
| Lower nut retaining cover to plate .....  | M 6         | 9.5  | 1             | 7       |
| Nut for bolt retaining bell housing to engine .....                             | M 12 x 1.25 | 79   | 8             | 58      |
| Nut retaining plate to gearbox .....  | M 6         | 9.5  | 1             | 7       |
| Bolt retaining gearbox cover and plate .....                                    | M 6         | 9.5  | 1             | 7       |
| Bolt retaining power unit suspension plate, cover, and bracket to gearbox ..... | M 8         | 24.4 | 2.5           | 18      |
| Bolt retaining bell housing to engine .....                                     | M 12 x 1.5  | 79   | 8             | 58      |
| Bolt retaining starter motor to bell housing .....                              | M 8         | 24.4 | 2.5           | 18      |
| Bolt retaining gearbox front cover .....  | M 6         | 8    | 8             | 6       |
| Bolt retaining bell housing to gearbox .....                                    | M 8         | 24.4 | 2.5           | 18      |
| Bolt retaining reversing shaft plate .....                                      | M 6         | 9.5  | 1             | 7       |
| Lock nut for 5-speed main and layshaft .....                                    | M 20 x 1.5  | 118  | 12            | 87      |
| Bolt retaining gearshift fork and lug .....                                     | M 6         | 17.6 | 1.8           | 13      |
| Bolt retaining crown wheel .....  | M 10 x 1.25 | 88   | 9             | 65      |
| Bolt retaining differential case flange to gearbox housing .....                | M 6         | 24.4 | 2.5           | 18      |
| Bolt retaining bearing retainers to support .....                               | M 6         | 9.5  | 1             | 7       |

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# Transmission

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| DESCRIPTION   | THREAD | N·m  | TORQUE FIGURE |         |
|---|--------|------|---------------|---------|
|   |        |      | Kgm           | Ft. Lb. |
| <b>TRANSMISSION EXTERNAL CONTROLS</b>                         |        |      |               |         |
| Bolt retaining gearshift lever .....                          | M 6    | 19   | 2             | 14      |
| Bolt retaining gearshift lever support .....                  | M 6    | 9.5  | 1             | 7       |
| Bolt retaining transmission link to<br>transmission rod ..... | M 8    | 24.4 | 2.5           | 18      |
| Bolt retaining transmission link to selector rod .....        | M 8    | 24.4 | 2.5           | 18      |