1988 MANUAL TRANSMISSION SERVICING

Toyota

Camry, Celica, Corolla, Cressida, MR2, Pickup/4Runner, Supra, Tercel, Van/Wagon

IDENTIFICATION

TOYOTA MANUAL TRANSMISSION APPLICATIONS TABLE

<table>
<thead>
<tr>
<th>Model</th>
<th>Transmission</th>
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<tbody>
<tr>
<td>Camry</td>
<td>5-Speed - Model E52 &amp; S51 Transaxle</td>
</tr>
<tr>
<td>2WD</td>
<td>5-Speed - Model E56F Transaxle</td>
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<tr>
<td>4WD All-Trac</td>
<td>5-Speed - Model E50F2 Transaxle</td>
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<tr>
<td>Celica</td>
<td>5-Speed - Model C50 &amp; C52 Transaxle</td>
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<tr>
<td>2WD</td>
<td>5-Speed - Model C52 &amp; E51</td>
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<tr>
<td>4WD All-Trac</td>
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<tr>
<td>Corolla</td>
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<td>MR2</td>
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<tr>
<td>Pickup &amp; 4Runner</td>
<td>4-Speed - Model W46 &amp; G40</td>
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<tr>
<td>2WD</td>
<td>5-Speed - Model W55, G57 &amp; R150 (Turbo)</td>
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<tr>
<td>4WD</td>
<td>5-Speed - Model W56 &amp; R150F (V6)</td>
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<tr>
<td>Supra</td>
<td>5-Speed - Model R154 &amp; W58</td>
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<tr>
<td>Tercel Sedan</td>
<td>4-Speed - Model C140 &amp; C141</td>
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<tr>
<td>Tercel Wagon</td>
<td>6-Speed - Model Z54F</td>
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<tr>
<td>Van</td>
<td>5-Speed - Model G53</td>
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<tr>
<td>2WD</td>
<td>5-Speed - Model G53F</td>
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<td>4WD</td>
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LUBRICATION

SERVICE INTERVALS

Check lubricant level every 20,000 on all except 4WD Pickups. On 4WD Pickups, check every 15,000 miles. Replace fluid if vehicle is operated in severe service conditions.

CHECKING FLUID LEVEL

Transmission
Check lubricant level at fill plug hole. Lubricant should be
to bottom of hole. Transmission on Tercel Wagon has 2 drain plugs on bottom of transaxle.

Transfer Case (Except Tercel Wagon)
Drain plugs on 4WD transfer cases are separate from main transmission case.

Transfer Case (Tercel Wagon)
The integral differential and transaxle assembly on Tercel Wagons have separate drain and fill plugs. See Fig. 1. When filling with fluid, leave extension housing drain plug loose about 7 or 8 turns. After filling, tighten drain plug.

Fig. 1: Tercel Wagon Transaxle & Differential Drain & Fill Plugs
Courtesy of Toyota Motor Sales, U.S.A., Inc.

RECOMMENDED FLUID

All transmissions (except S51 and S53) use API GL-4 or GL-5, SAE 75W-90 or 80W-90. The S51 and S53 transmissions use Dexron II ATF.

FLUID CAPACITY

TRANSMISSION REFILL CAPACITIES TABLE

<table>
<thead>
<tr>
<th>Application</th>
<th>Qts. (L)</th>
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<tbody>
<tr>
<td>Camry</td>
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### ADJUSTMENTS

#### LINKAGE

**Shift Lever Free Play (Camry, Celica & Corolla)**

1) Select a shim that allows a preload of 1.6-3.2 oz. (50-100 g) at the top of shift lever. See Fig. 2. Install shim in shift lever seat.

2) Shims are available from .3-1.2 mm in .1 mm increments. The .3 mm shim is marked with "A" or "3" while the .4 mm shim is marked with "B" or "4". All other shims are similarly marked up to the 1.2 mm shim ("L" or "12").

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### TRANSMISSION SERVICING - M/T

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<thead>
<tr>
<th>Model</th>
<th>2WD</th>
<th>4WD</th>
<th>2WD &amp; 4WD</th>
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<td>E52</td>
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(1) - Use Dexron II ATF.
Shift Lever (Van)

1) Remove shifter console box. Ensure shift lever is in Neutral position. Check if a .24" (6 mm) diameter pin inserts easily into shift lever retainer hole and shift lever inspection hole.

2) To adjust shift lever Neutral position, loosen adjusting lock nuts on select control cable. See Fig. 3. Adjust length of select control cable so that guide pin inserts smoothly into all holes.

3) Tighten adjusting lock nuts. Remove guide pin and install console box.

NOTE: Models not listed do not require adjustment.

Fig. 2: Checking Shift Lever Preload
Courtesy of Toyota Motor Sales, U.S.A., Inc.

Fig. 3: Adjusting Van Shift Lever Neutral Position
Courtesy of Toyota Motor Sales, U.S.A., Inc.

END OF ARTICLE