

TRANSMISSION SERVICING - M/T

Article Text

1988 Toyota MR2

For Rse 555 Main Street Clarksville Va 22901

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ARTICLE BEGINNING

1988 MANUAL TRANSMISSION SERVICING

Toyota

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

IDENTIFICATION

TOYOTA MANUAL TRANSMISSION APPLICATIONS TABLE

AA

Model Transmission

Camry

2WD 5-Speed - Model E52 & S51 Transaxle

4WD All-Trac 5-Speed - Model E56F Transaxle

Celica

2WD 5-Speed - Model S53 Transaxle

4WD All-Trac 5-Speed - Model E50F2 Transaxle

Corolla 5-Speed - Model C50 & C52 Transaxle

MR2 5-Speed - Model C52 & E51

Pickup & 4Runner

2WD 4-Speed - Model W46 & G40

2WD 5-Speed - Model W55, G57 & R150 (Turbo)

4WD 5-Speed - Model W56 & R150F (V6)

Supra 5-Speed - Model R154 & W58

Tercel Sedan 4-Speed - Model C140 & C141

5-Speed - Model C150

Tercel Wagon 6-Speed - Model Z54F

Van

2WD 5-Speed - Model G53

4WD 5-Speed - Model G53F

AA

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.

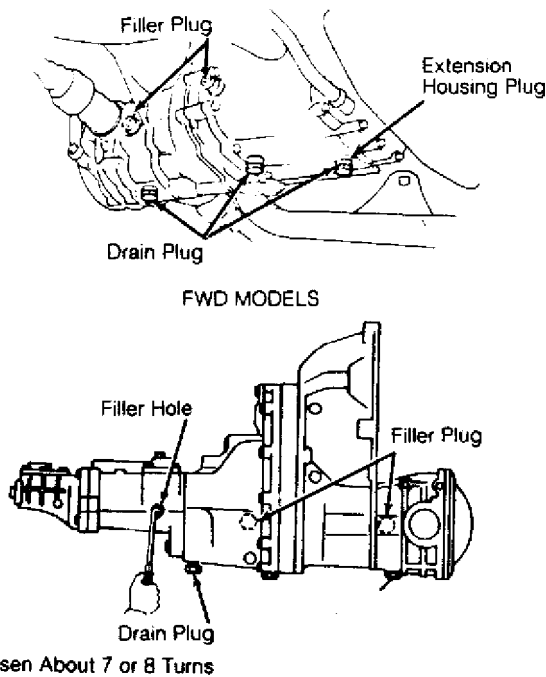


Fig. 1: Tercel Wagon Transaxle & Differential Drain & Fill Plugs
Courtesy of Toyota Motor Sales, U.S.A., Inc.

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

Application	Qts. (L)
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Camry

TRANSM

E52	4.4 (4.2)
S51 (1)	2.7 (2.6)
E56F	5.3 (5.0)
Celica	
S53 (1)	2.7 (2.6)
E50F2	5.1 (4.8)
Corolla	
C50 & C52	2.7 (2.6)
MR2	
C52	2.7 (2.6)
E51	4.8 (4.2)
Pickup & 4Runner	
2WD	
G40 & G57	2.3 (2.2)
W46, W55 & W56	2.5 (2.4)
2WD & 4WD	
R150	2.7 (2.6)
4WD	
W56	3.2 (3.0)
Supra	
R154	3.2 (3.0)
W58	2.5 (2.4)
Tercel	
C140 & C141	2.5 (2.4)
C150	2.5 (2.4)
Z54F	4.1 (3.9)
Van	
G53	2.3 (2.2)
G53F	2.8 (2.6)

(1) - Use Dexron II ATF.

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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").

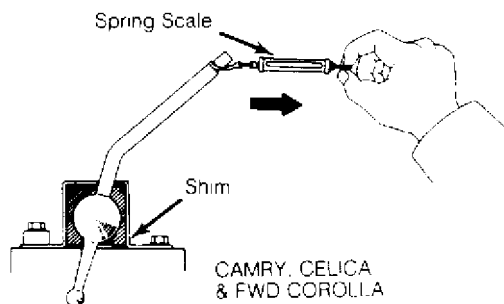


Fig. 2: Checking Shift Lever Preload
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

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.

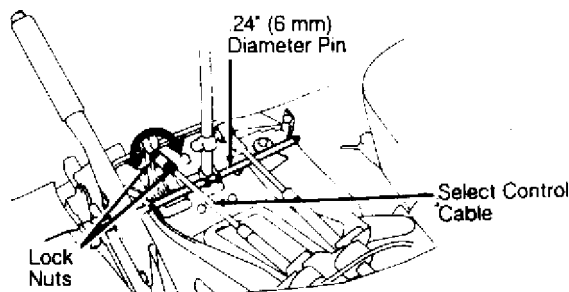


Fig. 3: Adjusting Van Shift Lever Neutral Position
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

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