

# TRANSMISSION SERVICING - M/T

## 1988 Toyota Celica

### 1988 MANUAL TRANSMISSION SERVICING

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

## IDENTIFICATION

### TOYOTA MANUAL TRANSMISSION APPLICATIONS TABLE

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

## 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

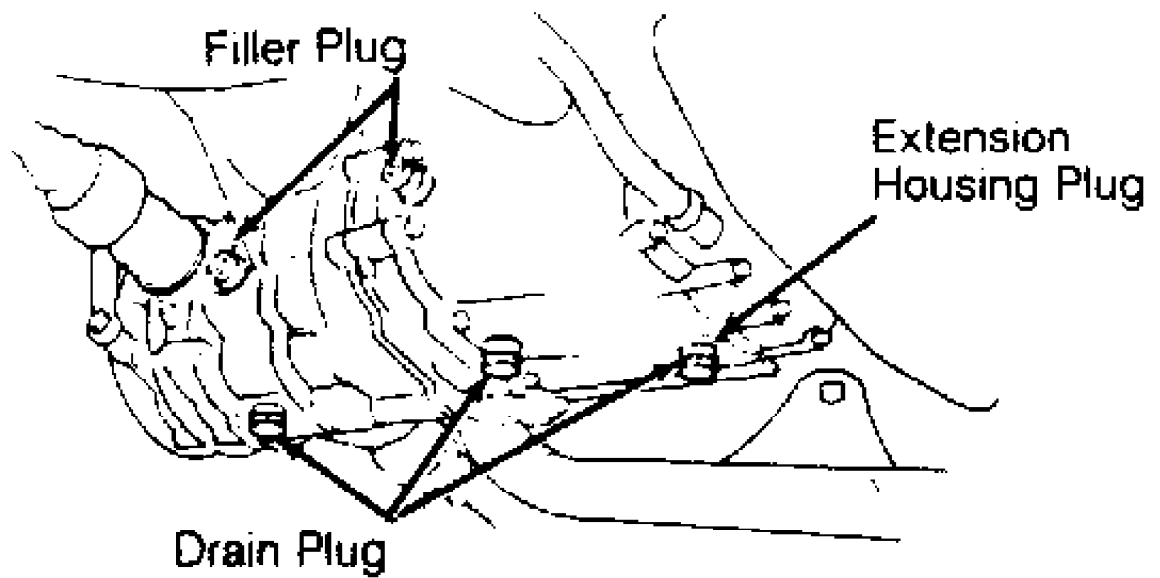
Check lubricant level at fill plug hole. Lubricant should be to bottom of hole. Transmission on Tercel Wagon has 2 drain plugs on bottom of transaxle.

#### Transfer Case (Except Tercel Wagon)

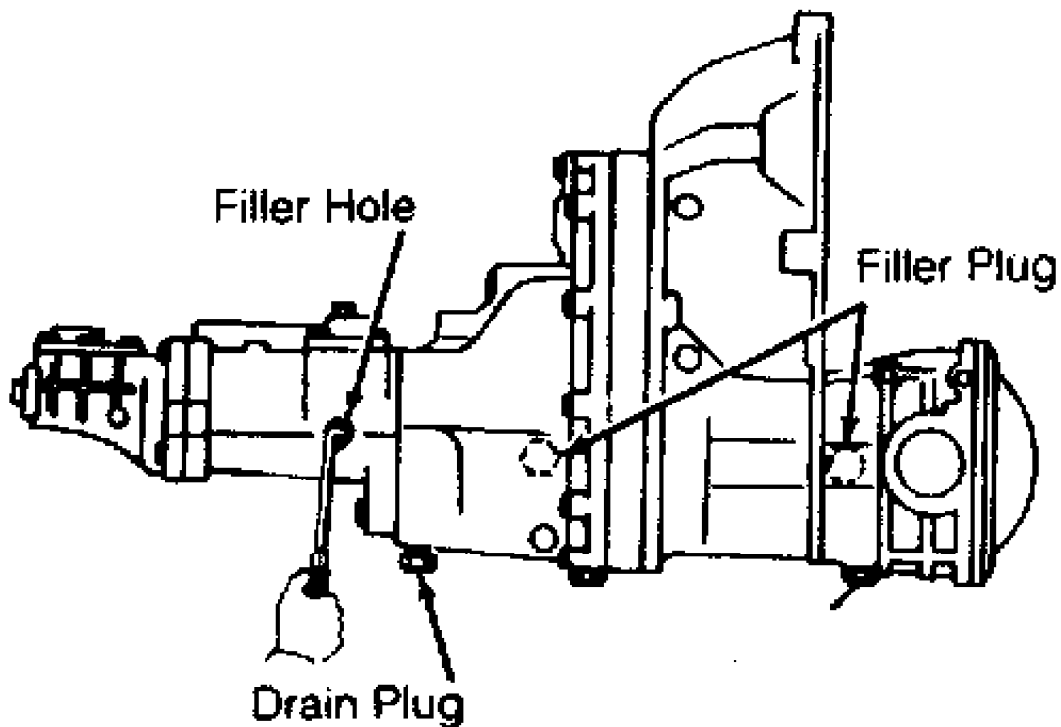
Drain plugs on 4WD transfer cases are separate from main transmission case.

#### 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.



**FWD MODELS**



**Loosen About 7 or 8 Turns**

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)
Camry	
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 .....	2.6 (2.6)

(1) - Use Dexron II ATF.

## 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").

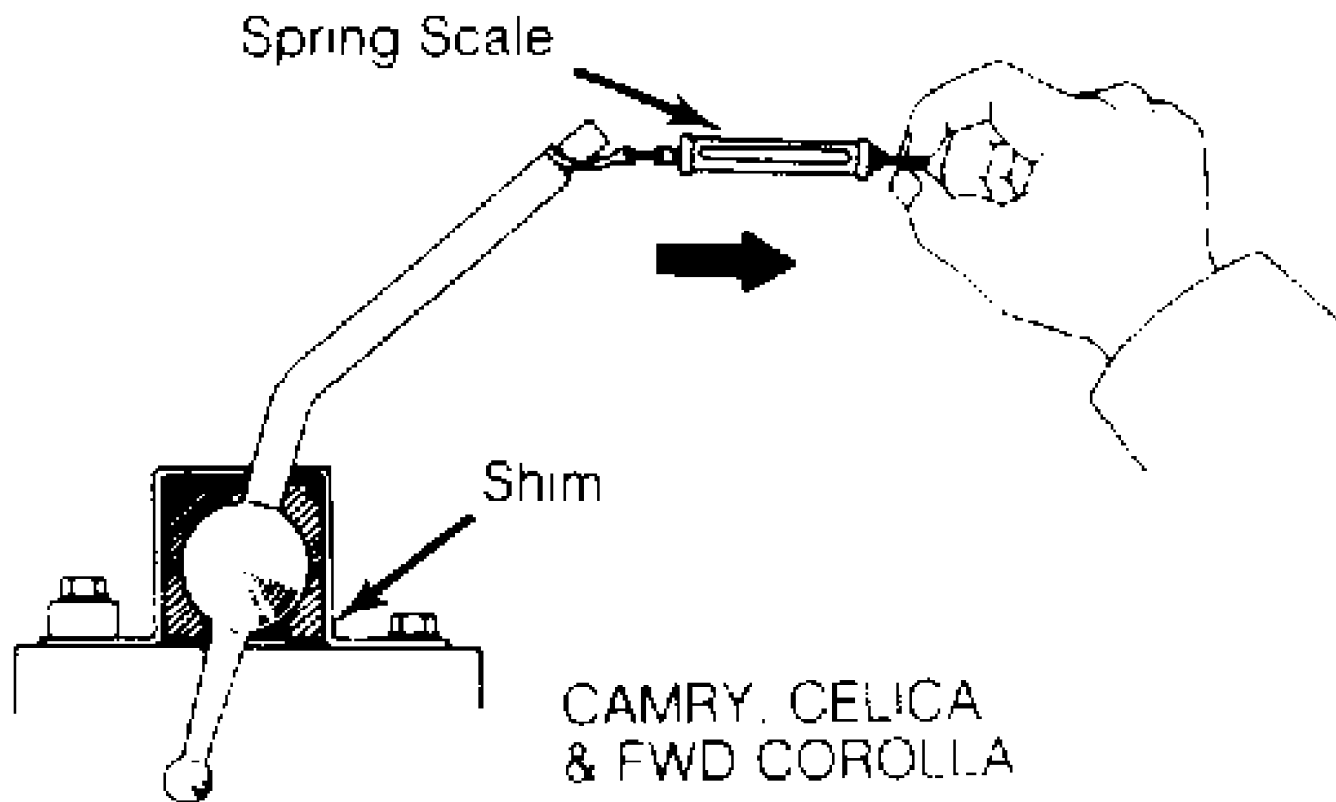


Fig. 2: Checking Shift Lever Preload  
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

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.

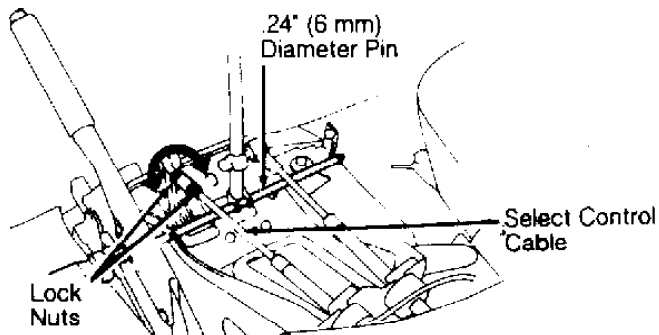


Fig. 3: Adjusting Van Shift Lever Neutral Position  
 Courtesy of Toyota Motor Sales, U.S.A., Inc.