

# TRANSMISSION SERVICING - M/T

## 1991 Mitsubishi Montero

1990-91 Manual Transmission Servicing

Eclipse, Galant, Mirage, Montero, Pickup, Precis, Sigma

### IDENTIFICATION

1990 MANUAL TRANSMISSION APPLICATIONS TABLE

Model	Transmission
Eclipse	
1.8L SOHC .....	5-Speed - Model F5M22 Transaxle
1.8L DOHC .....	5-Speed - Model F5M22 Transaxle
2.0L DOHC	
Turbo .....	5-Speed - Model F5M33 Transaxle
Galant .....	5-Speed - Model KM206 Transaxle
Mirage	
1.5L .....	5-Speed - Model KM201 Transaxle
1.6L .....	5-Speed - Model KM210 Transaxle
Montero	
2.6L .....	5-Speed - Model KM145
3.0L .....	5-Speed - Model V5MT1
Pickup	
2WD .....	5-Speed - Model KM132
4WD .....	5-Speed - Model KM145
Precis .....	4-Speed - Model KM161 Transaxle
	5-Speed - Model KM163 Transaxle
Sigma .....	5-Speed - Model KM210 Transaxle

1991 MANUAL TRANSMISSION APPLICATIONS TABLE

Model	Transmission
Eclipse	
2.0L .....	5-Speed Transaxle (F5M22)
2.0L (Turbo) .....	5-Speed Transaxle (F5M33)
Galant	
2WD .....	5-Speed Transaxle (F5M22)
AWD	
DOHC .....	5-Speed Transaxle (W5M31)
DOHC (Turbo) .....	5-Speed Transaxle (W5M33)
Mirage	
1.5L .....	4-Speed Transaxle (F4M21)
	5-Speed Transaxle (F5M21)
1.6L .....	5-Speed Transaxle (F5M22)
Montero .....	5-Speed Transmission (V5MT1)
Pickup	
2WD .....	5-Speed Transmission (R5M21)
4WD .....	5-Speed Transmission (V5MT1)
Precis .....	4-Speed Transaxle (KM200)
	5-Speed Transaxle (KM201)
3000GT	
2WD .....	5-Speed Transaxle (F5M33)
AWD .....	5-Speed Transaxle (W5MG1)

### LUBRICATION SERVICE INTERVALS

Check transaxle/transmission and transfer case fluid level every 30,000 miles. Change fluid at 30,000 miles if operated under severe service conditions.

## CHECKING FLUID LEVEL

### TRANSAXLE/TRANSMISSION

Lubricant level is checked at fill hole on side of transaxle or transmission. Lubricant must be at bottom of fill hole.

### TRANSFER CASE

Transfer case contains separate drain and fill plugs. Lubricant must reach to bottom of fill hole.

On 3000GT models, transfer case contains separate drain and fill plugs. Lubricant should be .5" (13 mm) from bottom of fill hole.

## RECOMMENDED FLUID

Use API GL-4 or GL-5 SAE 75W-85 gear oil.

## FLUID CAPACITY SPECS TABLE

### TRANSMISSION REFILL CAPACITIES TABLE

Application	Pts. (L)
Eclipse	
F5M22 .....	3.8 (1.8)
F5M33 .....	4.7 (2.2)
Galant .....	3.8 (1.8)
Mirage	
KM201 .....	3.8 (1.8)
KM210 .....	4.4 (2.0)
Montero	
2.6L .....	4.7 (2.2)
3.0L .....	5.3 (2.6)
Pickup	
2WD .....	4.9 (2.4)
4WD .....	4.7 (2.2)
Precis .....	4.4 (2.0)
Sigma .....	5.2 (2.5)

### 1991 TRANSMISSION REFILL CAPACITIES

Application	Pts. (L)
Mirage (1.5L)	
F4M21 .....	3.6 (1.7)
F5M21 .....	3.8 (1.8)
Eclipse, Galant (2WD) & Mirage (1.6L) .....	3.8 (1.8)
Eclipse (Turbo) & 3000GT (2WD) .....	4.9 (2.3)
Galant (AWD) .....	4.9 (2.3)
Montero & Pickup .....	5.2 (2.5)
Pickup .....	4.9 (2.3)
Pickup .....	4.6 (2.2)
Precis	

KM200 .....	3.6 (1.7)
KM201 .....	3.8 (1.8)
3000GT (AWD) .....	5.0 (2.4)

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TRANSFER CASE REFILL CAPACITIES TABLE

Application	Pts. (L)
Eclipse .....	1.5 (0.7)
Montero & Pickup .....	4.7 (2.2)
Eclipse .....	1.5 (0.7)
Galant .....	1.3 (0.6)
Montero & Pickup .....	4.6 (2.2)
3000GT .....	.6 (.3)

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**SELECT CABLE ADJUST**

**GALANT, MIRAGE & SIGMA**

- 1) With transaxle select lever in Neutral, move gearshift lever into 4th gear. It may be necessary to depress clutch pedal.
- 2) Loosen selector cable adjuster nuts (inside of vehicle). See Fig. 2. With select lever in Neutral, adjust select cable end until eye fits easily over select lever pin. Tighten adjuster nuts.

**SHIFT CABLE & GEARSHIFT LEVER ADJUST**

**GALANT, MIRAGE & SIGMA**

- 1) With transaxle select lever in Neutral, move gearshift lever into 4th gear. It may be necessary to depress clutch pedal.
- 2) Loosen shift cable adjuster nuts (inside of vehicle) and disconnect cable end from shift lever pin. Tilt gearshift lever into 4th gear position until it touches stopper. See Fig. 3. Hold lever in this position and adjust shift lever cable so cable aligns with shift lever pin.
- 3) Move shift lever between 3rd, Neutral and 4th gear positions. Shift lever-to-stopper clearances should be equal on both sides of lever. See Fig. 3. If clearances "A" and "B" are not equal, readjust shift cable. Road test vehicle to ensure proper adjustment and smooth shifting.

**TORQUE SPECIFICATIONS**

TORQUE SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Drain Plug & Filler Plug	
Eclipse, Galant & Mirage .....	22-25 (30-34)
Montero, Pickup .....	22-25 (30-34)
4WD 3.0L .....	40-61 (54-83)
Precis & 3000GT .....	(1)

(1) - Information is not available from manufacturer.

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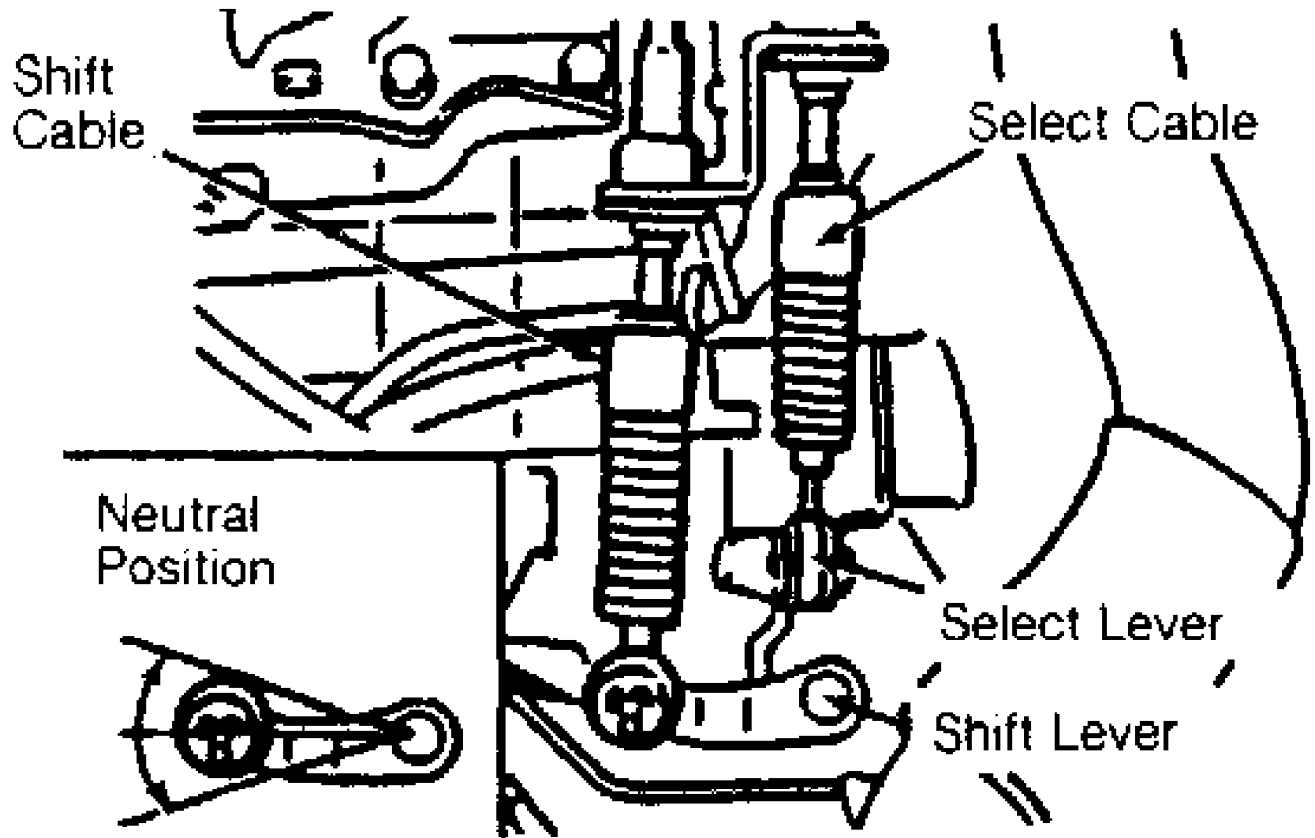


Fig. 1: Typical Transaxle Control Cable  
 Courtesy of Chrysler Motors.

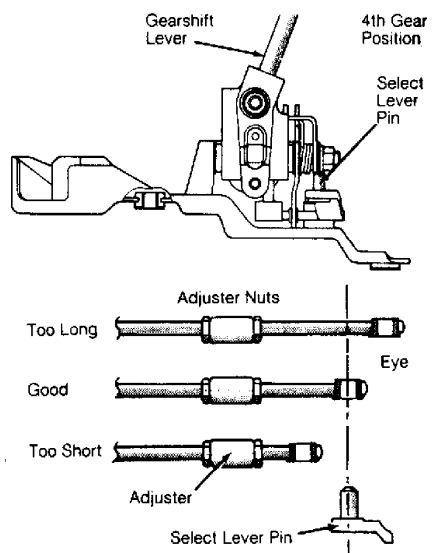
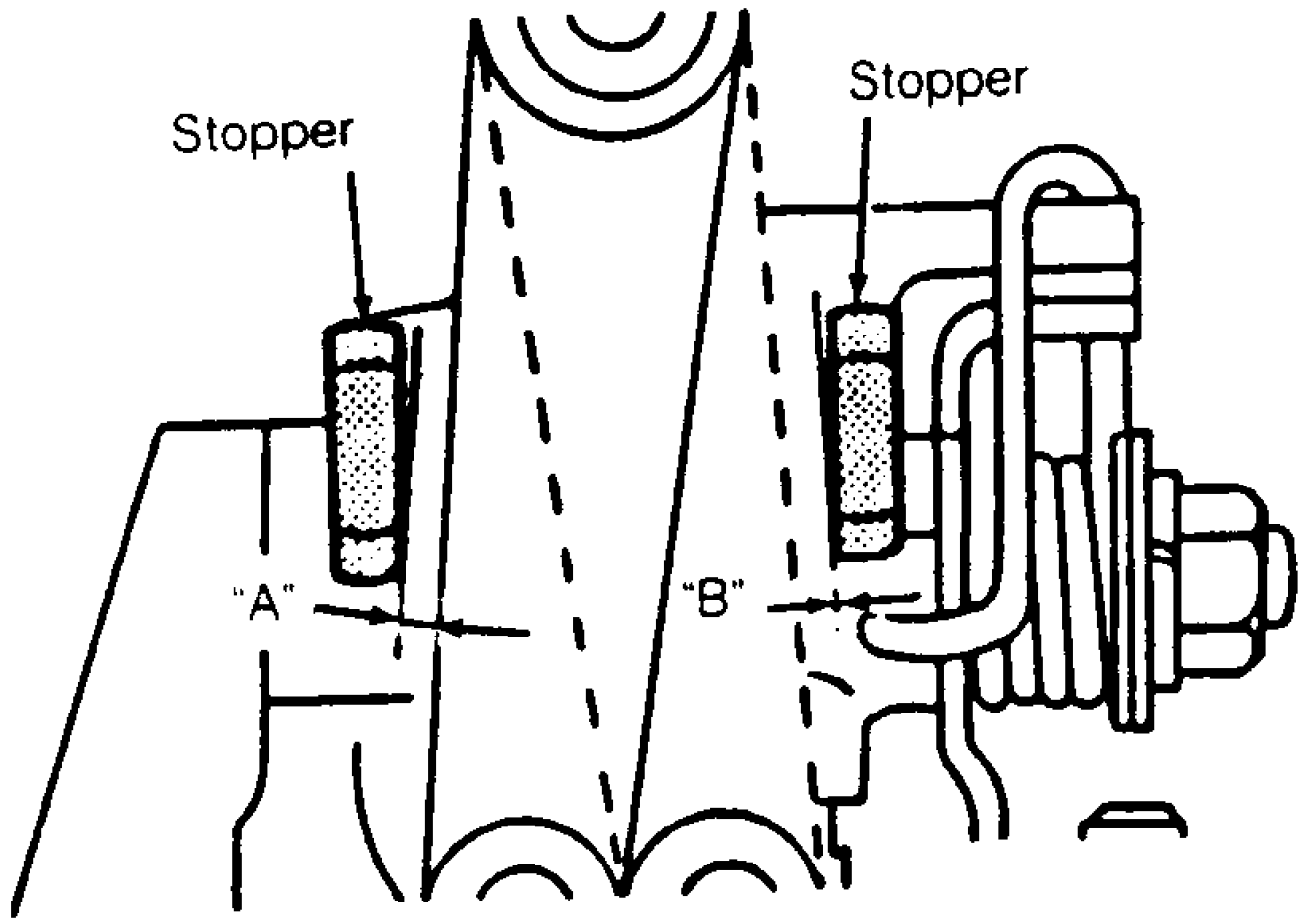


Fig. 2: Adjusting Select Cable  
 Courtesy of Chrysler Motors.



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Fig. 3: Adjusting Shift Cable  
Courtesy of Chrysler Motors.