

Dedicated Harness Set:

06X203

SOLENOID TEST: (Engine off)				
Solenoid	TranX Setting	Output Channel	AMPS Cold-Hot	Resistance Cold-Hot
1-2 Solenoid	Gear 1	1	1.1 - 0.4	11 - 27 Ω
2-3 Solenoid	Gear 2	2	1.1 - 0.4	11 - 27 Ω
3-4 Solenoid	Gear 3	3	1.1 - 0.4	11 - 27 Ω
Lock-Up Feel Solenoid	Gear 5 select duty	5	0 - (0.8 - 1.5) Duty MIN - MAX	9 - 13 Ω
Lock-Up Solenoid	Gear 6	6	1.1 - 0.4	11 - 27 Ω
EPC Solenoid (pulsed)	Gear 7 select duty	7	0 - (0.8 - 1.5) Duty MIN - MAX	9 - 13 Ω
3-2 Downshift Solenoid	Gear 8	8	1.1 - 0.4	11 - 27 Ω

CAUTION:

Always come to a COMPLETE STOP & TURN ENGINE OFF before changing test modes

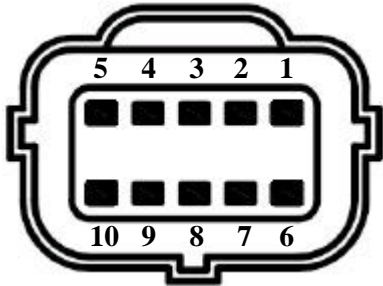
SHIFT/MONITOR TEST							
GEAR	1-2 Solenoid	2-3 Solenoid	3-4 Solenoid	3-2 Downshift (Function 1)	Lock-Up Feel (Lockup) (pulsed)	Lock-Up (Function 3)	EPC (pulsed)
1st	OFF	ON	ON	OFF	OFF	OFF	Select Duty
2nd	ON	ON	ON	ON/OFF	ON/OFF	ON/OFF	Select Duty
3rd	ON	OFF	OFF	ON/OFF	ON/OFF	ON/OFF	Select Duty
4th	ON	OFF	ON	ON/OFF	ON/OFF	ON/OFF	Select Duty

Notes:

- ◆ **Lock Up** is normally activated in 2nd, 3rd and 4th Gears.
- ◆ See other side for **connector diagram**.
- ◆ Polarity = Common **Negative**

Transmission: **Mazda/Ford GF4A-EL**

CONNECTOR:
(Looking into harness connector)



TOT Sensor Testing

Connect Multimeter to Sensor Module
Test Points 5 & 6

Resistance	Temperature
5.45K - 2.44 Ω	32° - 68° F
2.44K - 1.19 Ω	68° - 104° F
1.19K - 628 Ω	104° - 140° F
628 - 352 Ω	140° - 176° F
352 - 209 Ω	176° - 212° F
209 - 130 Ω	212° - 248° F
130 - 104 Ω	248° - 266° F

Wiring Chart

Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
1	Red/Blue Stripe	TOT Sensor	Sensor 5 Test Point	19
2	Yellow	EPC	Channel 7	1
3	Gray	3-2 Downshift	Channel 8	2
4	Pink	3-4 Shift Solenoid	Channel 3	5
5	Blue	1-2 Shift Solenoid	Channel 1	7
6	White/Red Stripe	TOT Sensor	Sensor 6 Test Point	20
7		NC		
8	Purple	Lock Up Feel Solenoid	Channel 5	3
9	Brown	Lock Up Control	Channel 6	4
10	Green	2-3 Shift Solenoid	Channel 2	8