

Dedicated Harness Set:

07X220

SOLENOID TEST: (Engine off)			
Solenoid	TranX Setting	Output Channel	Resistance Cold-Hot
1-2 Shift Solenoid	Gear 1	1	15 – 17 Ω
2-3 Shift Solenoid	Gear 2	2	15 – 17 Ω
4-5 Shift Solenoid	Gear 3	3	15 – 17 Ω
Lockup Solenoid	Gear 5	5	10 – 11.5 Ω
EPC Solenoid	Gear 8	8	3.5 – 4.6 Ω

CAUTION:

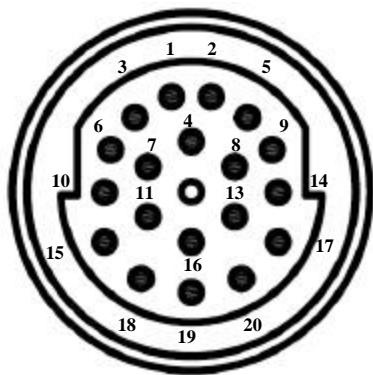
Always come to a COMPLETE STOP & TURN ENGINE OFF before changing test modes

SHIFT/MONTIOR TEST					
GEAR	1-2 Shift Solenoid	2-3 Shift Solenoid	4-5 Shift Solenoid	Lockup Solenoid Lockup	EPC Solenoid (pulsed)
1st	OFF	ON	OFF	OFF	Select Duty
2nd	ON	ON	OFF	ON/OFF	Select Duty
3rd	ON	OFF	OFF	ON/OFF	Select Duty
4th	OFF	OFF	ON	ON/OFF	Select Duty
5th	OFF	OFF	OFF	ON/OFF	Select Duty

Notes:

- ◆ **EPC Solenoid** current read on **output channel 8** for solenoid test, shift test and for monitor mode.
- ◆ **EPC Solenoid** duty cycle displayed in monitor mode is actual duty cycle from ECM.
- ◆ **Lock Up** is normally activated in 2nd, 3rd and 4th Gears.
- ◆ See other side for **connector diagram**.
- ◆ Polarity = Common **Positive**

CONNECTOR:
(Looking into harness connector)



TOT Sensor Testing	
Connect Multimeter to Sensor Module Test Points 5 & 6	
Resistance	Temperature
3418 - 3604 Ω	68° F
2185 - 2295 Ω	86° F
1430 - 1500 Ω	104° F
958 - 1002 Ω	122° F
656 - 686 Ω	140° F
459 - 479 Ω	158° F
327 - 341 Ω	176° F
237 - 247 Ω	194° F
174 - 182 Ω	212° F

Input Speed Sensor
Connect Multimeter to Sensor Module Test Points 7 & 8
325 - 485 Ω

Output Speed Sensor
Connect Multimeter to Sensor Module Test Points 3 & 4
325 - 485 Ω

Mode Switch Settings					
Gear	15 Way Pin 4	15 Way Pin 3	15 Way Pin 5	15 Way Pin 2	15 Way Pin 1
P	1	0	0	1	1
R	1	1	0	0	0
N	0	1	0	1	1
M2	0	0	1	1	0
M3	1	0	1	0	0
M4	1	1	1	1	0
OD	0	1	0	0	0

1 = Continuity Between Pins 0 = No Continuity

Wiring Chart					
Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin	Accessory 15 Way pin
1	Green/White	Output Speed Sensor	Sensor 3 Test Point	17	
2	Orange	Mode Switch (Neutral)			1
3	Yellow/Red	Output Speed Sensor	Sensor 4 Test Point	18	
4	Red/Brown	Mode Switch Power		13	
5	Pink	4-5 Shift Solenoid	Channel 3	5	
6	Red/Blue	TOT Sensor Signal	Sensor 5 Test Point	19	
7	White/Blue	Mode Switch (B Signal)			3
8	Yellow	EPC Solenoid (-)	Channel 7	1	
9	Dark Green	2-3 Shift Solenoid	Channel 2	8	
10	White/Red	TOT Sensor Ground	Sensor 6 Test Point	20	
11	White/Black	Mode Switch (Park)			2
13	Grey	EPC Solenoid +12V	Channel 8	2	
14	Blue	1-2 Shift Solenoid	Channel 1	7	
15	White/Purple	Input Speed Sensor	Sensor 7 Test Point	21	
16	White	Mode Switch (A Signal)			4
17	Red	Power to Solenoids		12	14
18	White/Green	Input Speed Sensor	Sensor 8 Test Point	22	
19	Black	Mode Switch (C Signal)			5
20	Purple	Lockup Solenoid	Channel 5	3	