

Dedicated Harness Set:

04X207

SOLENOID TEST: (Engine off)				
Solenoid	TranX Setting	Output Channel	AMPS Cold-Hot	Resistance Cold-Hot
Shift Solenoid 1	Gear 1	1	0.7 - 0.2	22 - 48 Ω
Shift Solenoid 2	Gear 2	2	0.7 - 0.2	22 - 48 Ω
Shift Solenoid 3	Gear 3	3	0.7 - 0.2	22 - 48 Ω
Lock Up Solenoid (pulsed)	Gear 5	5	0 - (0.6 - 1.3) Duty MIN - MAX	8.9 - 16 Ω
Coast Clutch Solenoid	Gear 6	6	0.7 - 0.2	22 - 48 Ω
EPC Solenoid	Gear 7	7	0 - (0.9 - 1.8) Duty MIN - MAX	3.1 - 5.7 Ω

CAUTION:

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

SHIFT/MONITOR TEST						
GEAR	Shift Solenoid 1	Shift Solenoid 2	Shift Solenoid 3	Lock-Up (pulsed)	Coast Clutch (Function 3)	EPC (pulsed)
1st	ON	OFF	OFF	OFF	ON/OFF	Select Duty
2nd	ON	OFF	ON	ON/OFF	ON/OFF	Select Duty
3rd	ON	ON	OFF	ON/OFF	ON/OFF	Select Duty
4th	OFF	OFF	OFF	ON/OFF	ON/OFF	Select Duty
5th	OFF	OFF	ON	ON/OFF	ON/OFF	Select Duty

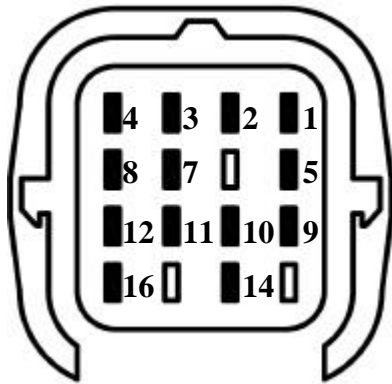
Notes:

- ♦ **Lock Up** is normally activated in 2nd, 3rd and 4th Gears.
- ♦ Polarity = Common **Positive**

Transmission: **Ford 5R55 E**

CONNECTOR:

(Looking into harness connector)



TSS Sensor Testing

Connect Multimeter to Sensor
Module Test Points 7 & 8

Resistance Comments

64 -126 Ω Ignition Off

TOT Sensor Testing

Connect Multimeter to Sensor Module
Test Points 5 & 6

Resistance Temperature

100K - 284K Ω -3° - 31° F

37K - 100K Ω 32° - 68° F

16K - 37K Ω 69° - 104° F

5.0K - 16.0K Ω 105° - 158° F

2.7K - 5.0K Ω 159° - 194° F

1.5K - 2.7K Ω 195° - 230° F

0.8K - 1.5K Ω 231° - 266° F

0.54K - 0.8K Ω 267° - 302° F

Wiring Chart

Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
1	Red	TCC Power		12
2	White/Purple	Turbine Shaft Speed (TSS) Sensor Signal	Sensor 8 Test Point	22
3	White/Green	TSS Signal Return	Sensor 7 Test Point	21
4	Red/Blue	TOT Sensor	Sensor 5 Test Point	19
5	Purple	TCC Solenoid	Channel 5	3
7	Pink	Shift Solenoid C	Channel 3	5
8	White/Red	TOT Sensor Return	Sensor 6 Test Point	20
9	Brown	Shift Solenoid D	Channel 6	4
10	Red	Power to Shift Solenoids		13
11	Red/Brown	Power to EPC		13
12	Yellow	EPC Solenoid	Channel 7	1
14	Green	Shift Solenoid B	Channel 2	8
16	Blue	Shift Solenoid A	Channel 1	7