

Dedicated Harness Set:

**07X219****SOLENOID TEST: (Engine off)**

Solenoid	TranX Setting	Output Channel	Resistance Cold-Hot
Solenoid C	Gear 1	1	20 – 30 Ω
Solenoid D	Gear 2	2	20 – 30 Ω
Solenoid E	Gear 4	4	20 – 30 Ω
Solenoid F (TCC) Pulsed	Gear 5	5	8 – 15 Ω
Trim A (pulsed)	Gear 6	6	5.5 – 8.0 Ω
Solenoid G (EPC) *	Gear 7	7	5.5 – 8.0 Ω
Trim B (pulsed)	Gear 8	6	5.5 – 8.0 Ω

**Note:**

Solenoid Test pulses Trim solenoids at 50% duty cycle. TranX resistance will read 2x listed resistance.

**\* Solenoid G (EPC)**

Pressure Regulator Solenoid added in 2003. Use Pressure % Duty to control this on models that have this option.

**CAUTION:**

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

**SHIFT/MONTIOR TEST**

GEAR	Solenoid C	Solenoid B	Solenoid E	Solenoid F (TCC) Lockup	Trim A (pulsed)	Trim B (pulsed)	Solenoid G * EPC
1st	OFF	ON	OFF	OFF	Low Duty	Low Duty	Select Duty
2nd	OFF	OFF	OFF	ON/OFF	High Duty	High Duty	Select Duty
3rd	ON	OFF	OFF	ON/OFF	Low Duty	Low Duty	Select Duty
4th	ON	OFF	ON	ON/OFF	High Duty	High Duty	Select Duty
5th	OFF	OFF	ON	ON/OFF	Low Duty	Low Duty	Select Duty

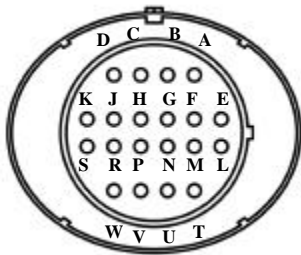
**Notes:**

- ◆ **Lock Up** is normally activated in 2nd, 3rd, 4th and 5th Gears.
- ◆ See other side for **connector diagram**.
- ◆ Polarity = Common **Positive**

Transmission: Allison 1000/2000

**CONNECTOR:**

(Looking into harness connector)



**TOT Sensor Testing**

Connect Multimeter to Sensor Module  
Test Points 5 & 6

**Resistance      Temperature**

2.8 kΩ

72° F

**Pressure Switch Settings**

Gear	“C” (Sensor 1)	“D” (Sensor 2)	“E” (Sensor 3)	“Reverse” (Sensor 4)
Park	GREEN	GREEN	GREEN	Off
Reverse	GREEN	GREEN	GREEN	GREEN
Neutral	GREEN	GREEN	GREEN	Off
1st	Off	GREEN	Off	Off
2nd	Off	Off	Off	Off
3rd	GREEN	Off	Off	Off
4th	GREEN	Off	GREEN	Off
OD	Off	Off	GREEN	Off

**Wiring Chart**

Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
A	Blue	Solenoid C	Channel 1	7
B	Green	Solenoid D	Channel 2	8
C	Red	Solenoid Power		12
D	Orange	Sol C Pressure Switch	Sensor 1 Test Point	15
E	Green/White	Sol E Pressure Switch	Sensor 3 Test Point	17
F	White	Sol D Pressure Switch	Sensor 2 Test Point	16
G	Red/Blue	TOT Sensor Signal	Sensor 5 Test Point	19
H	White/Red	TOT Sensor Ground	Sensor 6 Test Point	20
J	Violet	Solenoid F (TCC)	Channel 5	3
K	Yellow/Red	Reverse Press Switch	Sensor 4 Test Point	18
L	Brown	Trim A Solenoid	Channel 6	4
M	Red/Brown	Trim A +12V		13
N	Dark Green	Trim B Solenoid	Channel 8	2
P	Red/Brown	Trim B +12V		13
R	Yellow	Solenoid G (EPC)	Channel 7	1
S	Red/Brown	Solenoid F +12V		13
T	White/Red	Sensor Ground	Sensor 6 Test Point	20
U	White/Violet	U Pin Through	Sensor 7 Test Point	21
V	White/Green	V Pin Through	Sensor 8 Test Point	22
W	Red/Green	Solenoid E	Channel 4	6