

Dedicated Harness Sets: **07X212 (Late)**

<b>SOLENOID TEST: (Engine off)</b>				
<b>Solenoid</b>	<b>TranX Setting</b>	<b>Output Channel</b>	<b>AMPS Cold-Hot</b>	<b>Resistance Cold-Hot</b>
<b>Solenoid A (1-2/3-4)</b>	<b>Gear 1</b>	<b>1</b>	0.6 - 0.3	20 - 40 Ω
<b>Solenoid B (2-3)</b>	<b>Gear 2</b>	<b>2</b>	0.6 - 0.3	20 - 40 Ω
<b>Lock-Up (pulsed)</b>	<b>Gear 5</b>	<b>5</b>	0 - (0.6 - 1.2) Duty MIN - MAX	11 - 17 Ω
<b>EPC (pulsed)</b>	<b>Gear 8</b>	<b>8</b>	0 - (0.9 - 1.8) Duty MIN - MAX	3.5 - 4.6 Ω

**CAUTION:**

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

<b>SHIFT/MONITOR TEST</b>				
<b>GEAR</b>	<b>Solenoid A</b>	<b>Solenoid B</b>	<b>Lock-Up (pulsed)</b>	<b>EPC (pulsed)</b>
<b>1st</b>	ON	<b>OFF</b>	OFF	Select Duty
<b>2nd</b>	<b>OFF</b>	<b>OFF</b>	ON/OFF	Select Duty
<b>3rd</b>	<b>OFF</b>	ON	ON/OFF	Select Duty
<b>4th</b>	ON	ON	ON/OFF	Select Duty

**Notes:**

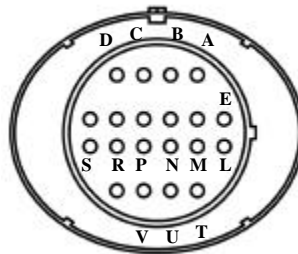
- ◆ **EPC Solenoid** current read on **output channel 8** for solenoid test, shift test and for monitor mode.
- ◆ **EPC Solenoid** duty cycle displayed in monitor mode is actual duty cycle from ECM.
- ◆ **Lock Up** is normally activated in 2nd, 3rd and 4th Gears.
- ◆ See other side for **connector diagram**.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

Transmission: **GM 4T80E Late**

Pressure Switch Settings			
Gear	Range A (Sensor 1)	Range B (Sensor 2)	Range C (Sensor 3)
Park	Red	<b>GREEN</b>	Red
Reverse	<b>GREEN</b>	<b>GREEN</b>	Red
Neutral	Red	<b>GREEN</b>	Red
Drive (1 to 4)	Red	<b>GREEN</b>	<b>GREEN</b>
Manual 3	Red	Red	<b>GREEN</b>
Manual 2	Red	Red	Red
Manual 1	<b>GREEN</b>	Red	Red
Illegal	<b>GREEN</b>	Red	Red

TOT Sensor Testing	
Connect Multimeter to Sensor Module Test Points 5 & 6	
Resistance	Temperature
2981 - 4018 Ω	68° F
1915 - 2550 Ω	86° F
1260 - 1660 Ω	104° F
848.8 - 1105 Ω	122° F
584.1 - 753.4 Ω	140° F
410.3 - 524.2 Ω	158° F
293.7 - 371.7 Ω	176° F
213.9 - 268.2 Ω	194° F
158.1 - 196.8 Ω	212° F

**CONNECTOR:**  
(Looking into harness connector)



Wiring Chart				
Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
A	Blue	Solenoid A	Channel 1	7
B	Green	Solenoid B	Channel 2	8
C	Yellow	EPC Power	Channel 7	1
D	Gray	EPC Ground	Channel 8	2
E	Red, or Red/Brown	Power to Solenoids		12
L	Red/Blue Stripe	TOT Sensor	Sensor 5 Test Point	19
M	White/Red Stripe	TOT Sensor	Sensor 6 Test Point	20
N	Orange	Pressure Switch (A)	Sensor LED 1	15
P	Light Green	Pressure Switch (C)	Sensor LED 3	17
R	White	Pressure Switch (B)	Sensor LED 2	16
S	White/Violet	Turbine Speed Sensor	Sensor 7 Test Point	21
T	Purple	Lockup Solenoid	Channel 5	3
U	Red/Brown	Power to Lock Up		13
V	White/Green	Turbine Speed Sensor	Sensor 8 Test Point	22