

Dedicated Harness:

**03X203**

<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>Overdrive Solenoid</b>	<b>Gear 1</b>	<b>1</b>	0.6 - 0.4	20 - 30 $\Omega$
<b>Lock-up Solenoid</b>	<b>Gear 5</b>	<b>5</b>	0.6 - 0.4	20 - 30 $\Omega$
<b>Governor Pressure</b>	<b>Gear 7 Select Duty</b>	<b>7</b>	0 - (1.2 - 2.5) Duty MIN - MAX	2.5 - 5 $\Omega$

**CAUTION:**

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

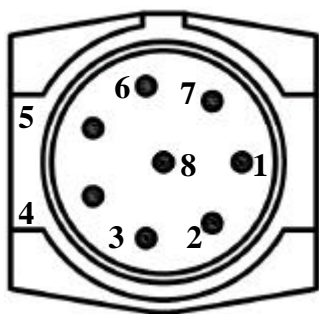
<b>SHIFT/MONITOR TEST</b>			
<b>GEAR</b>	<b>Overdrive Solenoid</b>	<b>LU Solenoid (Lock Up)</b>	<b>Governor Pressure Solenoid</b>
<b>1st</b>	<b>OFF</b>	OFF	Select (high) Duty
<b>2nd</b>	<b>OFF</b>	OFF	Select (medium) Duty
<b>3rd</b>	<b>OFF</b>	ON/OFF	Select (low) Duty
<b>4th</b>	ON	ON/OFF	Select (low) Duty

**Notes:**

- ♦ Transmission must be in **3rd or 4th** gear for **Lock Up**.
- ♦ Polarity = Common **Positive**

Transmission: **Chrysler 42RE**

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



## TOT Sensor Testing

Connect Multimeter to Sensor Module Test Points 5 & 8  
1994 - 2000 Models (Metal Case)      2000 & up (Plastic Case)

Resistance	Temperature	Resistance	Temperature
0.55K - 0.60K $\Omega$	-40 ° F	1.09K - 1.18K $\Omega$	-40 ° F
0.79K - 0.85K $\Omega$	32 ° F	1.59K - 1.67K $\Omega$	32 ° F
0.97K - 1.03K $\Omega$	77 ° F	1.96K - 2.04K $\Omega$	77 ° F
1.33K - 1.43K $\Omega$	158 ° F	2.71K - 2.86K $\Omega$	158 ° F
1.60K - 1.74K $\Omega$	212 ° F	3.28K - 3.50K $\Omega$	212 ° F
1.80K - 1.97K $\Omega$	248 ° F	3.68K - 3.95K $\Omega$	248 ° F
2.11K - 2.34K $\Omega$	302 ° F	4.11K - 4.45K $\Omega$	302 ° F

## Pressure Sensor Testing

Connect Multimeter to Sensor Module Test Points 7 & 8  
1994 - 2000 Models (Metal Case)      2000 & up (Plastic Case)

Pressure	Volts	Pressure	Volts
90 PSI	3.19 - 3.76 V	90 PSI	3.84 - 4.27 V
60 PSI	2.70 - 3.16 V	60 PSI	2.64 - 3.01 V
30 PSI	1.50 - 1.96 V	30 PSI	1.44 - 1.87 V
0 PSI	0.30 - 0.76 V	0 PSI	0.32 - 0.67 V

## Wiring Chart

Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
1	Red	+12 V		12
2	Brown	+5 V	Sensor 6 Test Point	20
3	Yellow/Red	Sensor Ground	Sensor 5 Test Point	19
4	White/Red	Pressure Sensor	Sensor 7 Test Point	21
5	Yellow	Governor Solenoid	Channel 7	1
6	Blue	Overdrive Solenoid	Channel 1	7
7	Violet	Lockup Solenoid	Channel 5	3
8	Red/Blue	TOT Signal	Sensor 8 Test Point	22