

Transmission: **Chrysler 45RFE/5-45RFE**Transmission Code: **035**

Dedicated Harness:

**03X208**

<b>SOLENOID TEST: (Engine off)</b>				
Solenoid	TranX Setting	Output Channel	AMPS Cold-Hot	Resistance Cold-Hot
LR/CC Solenoid	Gear 1	1	1.8 - 2.5	1.0 - 3.0 Ω
4th Clutch Solenoid	Gear 2	2	1.8 - 2.5	1.0 - 3.0 Ω
UD Solenoid	Gear 3	3	1.8 - 2.5	1.0 - 3.0 Ω
Multi-Select Solenoid	Gear 4	4	1.8 - 2.5	1.0 - 3.0 Ω
OD Solenoid	Gear 5	5	1.8 - 2.5	1.0 - 3.0 Ω
2nd Clutch Solenoid	Gear 6	6	1.8 - 2.5	1.0 - 3.0 Ω
EPC Solenoid	Gear 7	7	0 - (1.2 - 2.5) Duty MIN - MAX	2.5 - 5.0 Ω

**CAUTION:**

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

<b>SHIFT/MONITOR TEST</b>							
GEAR	LR/CC Solenoid (Lockup)	4th Clutch Solenoid	UD Solenoid	Multi-Select Solenoid	OD Solenoid	2nd Clutch Solenoid	EPC (Pulsed) (Function 1)
1st	OFF	OFF	OFF	ON	OFF	OFF	Select Duty
2nd	ON/OFF	OFF	OFF	ON	OFF	ON	Select Duty
3rd	ON/OFF	OFF	OFF	OFF	OFF	OFF	Select Duty
4th	ON/OFF	ON	ON	OFF	OFF	OFF	Select Duty
5th	ON/OFF	OFF	ON	OFF	OFF	ON	Select Duty

**Notes:**

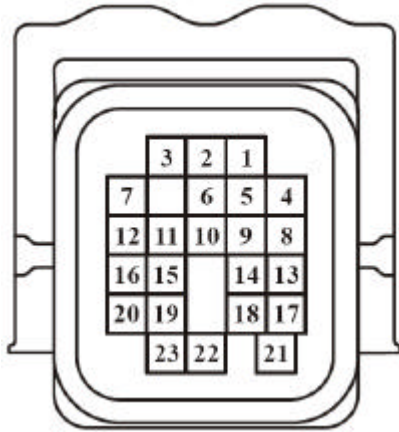
- ◆ Pressure Window Duty control duty cycle of all shift solenoids (similar to A604/A606).
- ◆ **To enable EPC; turn on Function 1 and use Function Duty window** to control EPC solenoid.
- ◆ **Lock Up** is normally activated in 2nd, 3rd, 4th and 5th Gears.
- ◆ 45RFE vehicles do not have a 5th gear programmed into the computer. In monitor mode you will only get 4 gears. Shifting into 5th gear in shift test will give a 5th gear and will not damage transmission.
- ◆ EPC Duty cycle controls duty cycle for all solenoids (except EPC) in both shift test and solenoid test. Set to 50% in solenoid test. Resistance will read 2x actual value. Function Duty controls EPC.
- ◆ Polarity = Common **Positive**

Transmission: **Chrysler 45RFE****TOT Sensor Testing**

Connect Multimeter to Sensor Module Test Points 6 &amp; 7

**CONNECTOR:**

(Looking into harness)

**Pressure Switch Settings**

Gear	L/R Press Switch (Sensor 1)	4th Clutch Press Switch (Sensor 2)	2nd Clutch Press Switch (Sensor 3)	Underdrive Press Switch (Sensor 4)	Overdrive Press Switch (Sensor 5)
1st	Red	Red	Red	Green	Open
2nd	Red (Green w/LU)	Red	Green	Green	Open
3rd	Red (Green w/LU)	Red	Red	Green	Open
4th	Red (Green w/LU)	Green	Red	Red	Open
5th	Red (Green w/LU)	Red	Green	Red	Open

**Wiring Chart**

Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin	Additional 15 Way Pin
1	Red	Reverse Light Power		12	
2	Blue	LR/TC Clutch Solenoid	Channel 1	7	
3	White/Blue	TRS 41 Return			7
4	White/Yellow	TRS 41			4
5	White/Black	TRS 42			5
6	Red/Black	Reverse Lamp Switch			6
7	Violet	Overdrive Clutch Sol	Channel 5	3	
8	White/Org	TRS 3			3
9	White/Grey	TRS 1			1
10	Red	+12V to Solenoids		12/13	14
11	White	4th Clutch Press Switch	Sensor 2 Test Point	16	
12	Yellow	EPC Solenoid	Channel 7	1	
13	Grey	TRS 2			2
14	Orange	L/R Pressure Switch	Sensor 1 Test Point	15	
15	Green/White	2nd Clutch Press Switch	Sensor 3 Test Point	17	
16	Red/Blue	Overdrive Press Switch	Sensor 5 Test Point	19	
17	Pink	Underdrive Clutch Sol	Channel 3	5	
18	Yellow/Red	Underdrive Press Switch	Sensor 4 Test Point	18	
19	Green	4th Clutch Solenoid	Channel 2	8	
20	Brown	2nd Clutch Solenoid	Channel 6	4	
21	Red/Green	Multi-Select Solenoid	Channel 4	6	
22	White/Red	TOT Return	Sensor 6 Test Point	20	
23	White/Violet	TOT Signal	Sensor 7 Test point	21	