Transmission: **Ford 5R55 W/S** Transmission Code: **053** **(Soft Shift)**
153 **(Firm Shift)**

Dedicated Harness Set: **04X211**

SOLENOID TEST: (Engine off)

Solenoid	TranX Setting	Output Channel	AMPS Cold-Hot	Resistance Cold-Hot
Shift Solenoid A	**Gear 1**	**1**	0.8 - 0.3	16 - 45 Ω
Shift Solenoid B	**Gear 2**	**2**	0.8 - 0.3	16 - 45 Ω
Shift Solenoid C	**Gear 3**	**3**	0.8 - 0.3	16 - 45 Ω
Shift Solenoid D	**Gear 4**	**4**	0.8 - 0.3	16 - 45 Ω
TCC	**Gear 5**	**5**	1.3 - 0.7	9 - 16 Ω
Pressure Control A	**Gear 6**	**6**	0 - (0.9 - 1.8) Duty MIN - MAX	3.1 - 5.7 Ω
Pressure Control B	**Gear 7**	**7**	0 - (0.9 - 1.8) Duty MIN - MAX	3.1 - 5.7 Ω
Pressure Control C	**Gear 8**	**8**	0 - (0.9 - 1.8) Duty MIN - MAX	3.1 - 5.7 Ω

Note:

TranX Controls Duty Cycle of all three pressure control solenoids in each gearshift for Code 053 and 153.

Solenoid Test pulses Pressure Control Solenoids at 50% duty cycle. TranX resistance will read 2x listed resistance.

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

SHIFT/MONITOR TEST

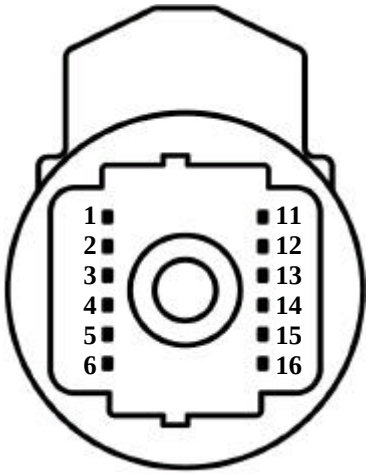
GEAR	Shift Solenoid A	Shift Solenoid B	Shift Solenoid C	Shift Solenoid D **(Function 1)**	TCC Solenoid **(Lockup)**	Pressure Control A	Pressure Control B	Pressure Control C
1st	ON	**OFF**	**OFF**	ON*	OFF	Med Duty	High Duty	High Duty
2nd	ON	**OFF**	ON	ON*	ON/OFF	High Duty	Med Duty	High Duty
3rd	ON	ON	**OFF**	ON*	ON/OFF	Med Duty	High Duty	High Duty
4th	**OFF**	**OFF**	**OFF**	ON*	ON/OFF	Med Duty	High Duty	Low Duty
5th	**OFF**	**OFF**	ON	ON	ON/OFF	Med Duty	Med Duty	Low Duty

Notes:

- **Lock Up** is normally activated in 2nd, 3rd, 4th and 5th Gears.
- Shift Solenoid D off for manual gears, on during shifts, TranX defaults this off, use Function 1 to activate.
- Pressure Control A: Indirectly affects FWD clutch, directly applies INT servo and L/R servo in manual 1st & 2nd.
- Pressure Control B: Indirectly affects FWD clutch (all gears) and direct clutch in reverse, directly applies overdrive servo.
- Pressure Control C: Indirectly affects direct clutch in reverse, directly applies direct clutch in 4th & 5th.
- Polarity = Common **Positive**

Transmission: **Ford 5R55 W/S**

CONNECTOR:
(Looking into harness connector)



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	**Yellow**	Pressure Control B	**Channel 7**	1
2	**Red/Blue**	TOT Sensor	**Sensor 5 Test Point**	19
3	**Red**	+12V Power		12 & 13
4	**Grey**	Pressure Control C	**Channel 8**	2
5	**Red/Green**	Shift Solenoid D	**Channel 4**	6
6	**Pink**	Shift Solenoid C	**Channel 3**	5
11	**Brown**	Pressure Control A	**Channel 6**	4
12	**White/Red**	TOT Sensor Return	**Sensor 6 Test Point**	20
13	**Orange**	NOT USED		15
14	**Violet**	TCC Solenoid	**Channel 5**	3
15	**Green**	Shift Solenoid B	**Channel 2**	8
16	**Blue**	Shift Solenoid A	**Channel 1**	7