

Transmission: **Ford 5R55 N**

Transmission Code: **058** (Soft Shift)

Dedicated Harness Set:

04X211

158 (Firm Shift)

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 C	Gear 6	6	0 - (0.9 - 1.8) Duty MIN - MAX	3.1 - 5.7 Ω
Pressure Control A	Gear 7	7	0 - (0.9 - 1.8) Duty MIN - MAX	3.1 - 5.7 Ω
Pressure Control B	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

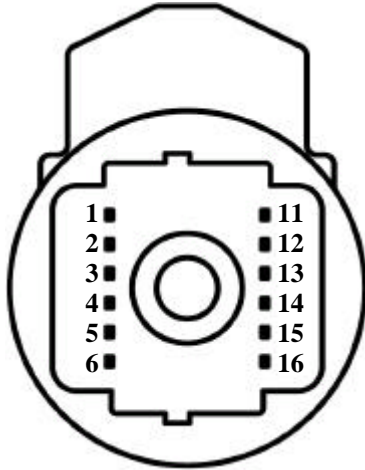
SHIFT/MONITOR TEST								
GEAR	Shift Solenoid A	Shift Solenoid B	Shift Solenoid C	Shift Solenoid D (Function 1)	TCC Solenoid (Lockup)	Pressure Control C	Pressure Control A	Pressure Control B
1st	ON	OFF	OFF	ON*	OFF	High Duty	Med Duty	High Duty
2nd	ON	OFF	ON	ON*	ON/OFF	High Duty	High Duty	Med Duty
3rd	ON	ON	OFF	ON*	ON/OFF	High Duty	Med Duty	High Duty
4th	OFF	OFF	OFF	ON*	ON/OFF	Low Duty	Med Duty	High Duty
5th	OFF	OFF	ON	ON	ON/OFF	Low Duty	Med Duty	Med 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, indirectly affects L/R servo apply in manual 1st & 2nd.
- ◆ Pressure Control B: Indirectly affects FWD clutch (all gears) and direct clutch in reverse, indirectly affects apply of coast clutch.
- ◆ Pressure Control C: Indirectly affects direct clutch in reverse, directly applies direct clutch in 4th & 5th.
- ◆ Polarity = Common **Positive**

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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 A	Channel 7	1
2	Red/Blue	TOT Sensor	Sensor 5 Test Point	19
3	Red	+12V Power		12 & 13
4	Grey	Pressure Control B	Channel 8	2
5	Red/Green	Shift Solenoid D	Channel 4	6
6	Pink	Shift Solenoid C	Channel 3	5
11	Brown	Pressure Control C	Channel 6	4
12	White/Red	TOT Sensor Return	Sensor 6 Test Point	20
13	Orange	Reverse Pressure Switch	Sensor 1 Test Point	15
14	Violet	TCC Solenoid	Channel 5	3
15	Green	Shift Solenoid B	Channel 2	8
16	Blue	Shift Solenoid A	Channel 1	7