

Dedicated Harness Set:

16X202

SOLENOID TEST: (Engine off)				
Solenoid	TranX Setting	Output Channel	Current Cold-Hot	Resistance Cold-Hot
Shift Solenoid 1	Gear 1	1	0.7 - 0.4	10 - 16 Ω
Shift Solenoid 2	Gear 2	2	0.7 - 0.4	10 - 16 Ω
L/C Timing Solenoid	Gear 3	3	0.7 - 0.4	10 - 16 Ω
2-4/B Timing Solenoid	Gear 4	4	0.7 - 0.4	10 - 16 Ω
Lockup Solenoid	Gear 5	5	0.7 - 0.4	10 - 17 Ω
AWD Duty Solenoid	Gear 6	6	0.7 - 0.4	10 - 17 Ω
EPC Solenoid	Gear 7	7	2.5 - 1.0 (@ 50% duty)	2.0 - 4.5 Ω
2-4/B Duty Solenoid	Gear 5	8	2.5 - 1.0 (@ 50% duty)	2.0 - 4.5 Ω

CAUTION:

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

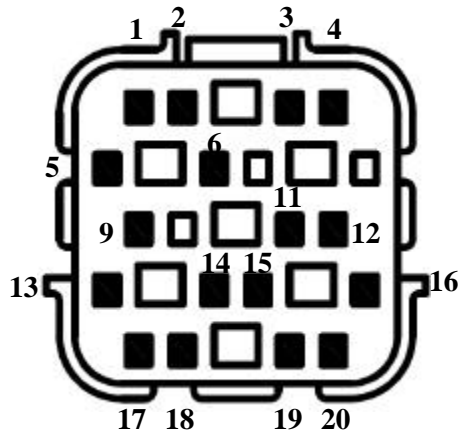
SHIFT/MONITOR TEST								
GEAR	Shift Solenoid 1	Shift Solenoid 2	L/C Timing Solenoid (Function 2)	2-4/B Timing Solenoid (Function 3)	AWD Solenoid (Function 4)	Lockup Solenoid	EPC Solenoid (pulsed)	2-4/B Duty Solenoid (Function 1)
1st	ON	ON	ON/OFF	OFF	ON/OFF	OFF	Select Duty	Select Duty
2nd	OFF	ON	ON/OFF	ON/OFF	ON/OFF	OFF	Select Duty	Select Duty
3rd	OFF	OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	Select Duty	Select Duty
4th	ON	OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	Select Duty	Select Duty

Notes:

- ◆ **Lock Up** is normally activated in 3rd and 4th Gears.
- ◆ See other side for **connector diagram**.
- ◆ 2-4/B Duty Solenoid controlled by Function % Duty.
- ◆ Polarity = Common **Negative**

Transmission: **Subaru 4AT AWD**

CONNECTOR:
(Looking into harness connector)



TOT Sensor Test	
Connect Multimeter to Sensor Module Test Points 5 & 6	
Resistance	Temperature
2100 - 2900 Ω	68° F
275 - 375 Ω	176° F

Turbine Speed Sensor Test	
Connect Multimeter to Sensor Module Test Points 7 & 8	
Resistance	Comments
450 - 650Ω	Ignition Off

Front Wheel Speed Sensor	
Connect Multimeter to Sensor Module Test Points 1 & 2	
Resistance	Comments
450 - 650Ω	Ignition Off

Rear Wheel Speed Sensor	
Connect Multimeter to Sensor Module Test Points 3 & 4	
Resistance	Comments
450 - 650Ω	Ignition Off

Wiring Chart

Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
1	Blue	Shift Solenoid 1	Channel 1	7
2	Green	Shift Solenoid 2	Channel 2	8
3	Pink	L/C Timing Solenoid	Channel 3	5
4	Green/Red	2-4/B Solenoid	Channel 4	6
5	Yellow	EPC Solenoid	Channel 7	1
6	Brown	AWD Duty Solenoid	Channel 6	4
9	Grey	2-4/B Duty Solenoid	Channel 8	2
11	Red/Blue	TOT Sensor Signal	Sensor 5 Test Point	19
12	White/Red	TOT Sensor Ground	Sensor 6 Test Point	20
13	Purple	Lockup Solenoid	Channel 5	3
14	White/Purple	Turbine Speed Sensor	Sensor 7 Test Point	21
15	White/Green	Turbine Speed Sensor	Sensor 8 Test Point	22
16	Black	Ground		10
17	Orange	Front Wheel Speed Sensor	Sensor 1 Test Point	15
18	White	Front Wheel Speed Sensor	Sensor 2 Test Point	16
19	Green/White	Rear Wheel Speed Sensor	Sensor 3 Test Point	17
20	Yellow/Red	Rear Wheel Speed Sensor	Sensor 4 Test Point	18