

Dedicated Harness:

09X206

SOLENOID TEST: (Engine off)				
Solenoid	TranX Setting	Output Channel	Current Cold-Hot	Resistance Cold-Hot
MV 1 Solenoid	Gear 1	1	0.5 - 0.3	30 - 40 Ω
MV 2 Solenoid	Gear 2	2	0.5 - 0.3	30 - 40 Ω
MV 3 Solenoid	Gear 5	3	0.5 - 0.3	30 - 40 Ω
EPC Solenoid (pulsed)	Gear 7	7	1.6 - 0.0 Select duty	5.0 - 8.0 Ω

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

SHIFT/MONITOR TEST				
GEAR	MV 1 Solenoid	MV 2 Solenoid	MV 3 Solenoid	EPC (pulsed)
1st	OFF	OFF	ON	Select Duty
2nd	ON	OFF	ON	Select Duty
3rd	ON	OFF	OFF	Select Duty
4th	OFF	OFF	OFF	Select Duty

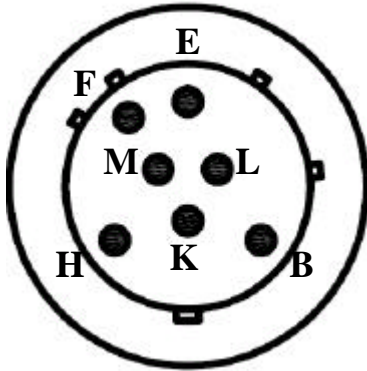
Notes:

- ◆ Polarity = Common **Positive**

Transmission: **BMW ZF 4HP18**

CONNECTORS :

(Looking into harness connector)



TOT Sensor Test	
Connect Multimeter to Sensor Module Test Points 5 & 6	
Resistance	Comments
920 - 960Ω	68° F

Wiring Chart				
Case Connector Pin Number	TranX 2000 Harness Wire	Vehicle Function	TranX 2000 Output Location	TranX 2000 25 Way Pin
F	Red/Blue	TOT Sensor	Sensor 5 Test Point	19
E	White/Red	TOT Sensor	Sensor 6 Test Point	20
M	Red	+12V to Solenoids		12
L	Pink	MV-3 Solenoid	Channel 3	5
K	Dark Green	MV-2 Solenoid	Channel 2	8
H	Blue	MV-1 Solenoid	Channel 1	7
B	Yellow	EPC Solenoid (EDS-1)	Channel 7	1