

Dedicated Harness Set:

**13X203**

| <b>SOLENOID TEST: (Engine off)</b> |                    |                |                                |                     |
|------------------------------------|--------------------|----------------|--------------------------------|---------------------|
| Solenoid                           | TranX Setting      | Output Channel | AMPS Cold-Hot                  | Resistance Cold-Hot |
| Shift Solenoid A                   | Gear 1             | 1              | 1.1 - 0.4                      | 11 - 27 Ω           |
| Shift Solenoid B                   | Gear 2             | 2              | 1.1 - 0.4                      | 11 - 27 Ω           |
| Lock Up (pulsed)                   | Gear 5             | 5              | 1.1 - 0.4                      | 11 - 27 Ω           |
| Overrun Clutch                     | Gear 6             | 6              | 1.1 - 0.4                      | 11 - 27 Ω           |
| EPC Solenoid (pulsed)              | Gear 7 select duty | 7              | 0 - (0.4 - 0.7) Duty MIN - MAX | 9 - 13 Ω            |

**CAUTION:**

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

| <b>SHIFT/MONITOR TEST</b> |                  |                  |                  |                             |                       |
|---------------------------|------------------|------------------|------------------|-----------------------------|-----------------------|
| GEAR                      | Shift Solenoid A | Shift Solenoid B | Lock-Up (pulsed) | Overrun Clutch (Function 3) | EPC Solenoid (pulsed) |
| 1st                       | ON               | ON               | OFF              | ON/OFF                      | Select Duty           |
| 2nd                       | OFF              | ON               | ON/OFF           | ON/OFF                      | Select Duty           |
| 3rd                       | OFF              | OFF              | ON/OFF           | ON/OFF                      | Select Duty           |
| 4th                       | ON               | OFF              | ON/OFF           | ON                          | Select Duty           |

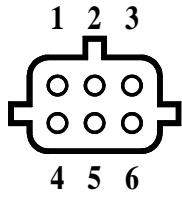
**Notes:**

- ◆ Lock Up is normally activated in 2nd, 3rd and 4th Gears.
- ◆ See other side for **connector diagram**.
- ◆ Polarity = Common **Negative**

Transmission: **Mazda R4A-EL**

**CONNECTOR:**

**(Looking into harness connector)**



**MPV**

| <b>Wiring Chart</b>              |                                |                         |                                   |                              |
|----------------------------------|--------------------------------|-------------------------|-----------------------------------|------------------------------|
| <b>Case Connector Pin Number</b> | <b>TranX 2000 Harness Wire</b> | <b>Vehicle Function</b> | <b>TranX 2000 Output Location</b> | <b>TranX 2000 25 Way Pin</b> |
| <b>1</b>                         | <b>Blue</b>                    | Solenoid A              | <b>Channel 1</b>                  | <b>7</b>                     |
| <b>2</b>                         | <b>Brown</b>                   | Overrun Solenoid        | <b>Channel 5</b>                  | <b>4</b>                     |
| <b>3</b>                         | <b>Purple</b>                  | Lockup Solenoid         | <b>Channel 6</b>                  | <b>3</b>                     |
| <b>4</b>                         |                                | NC                      |                                   |                              |
| <b>5</b>                         | <b>Green</b>                   | Solenoid B              | <b>Channel 2</b>                  | <b>8</b>                     |
| <b>6</b>                         | <b>Yellow</b>                  | EPC                     | <b>Channel 7</b>                  | <b>1</b>                     |