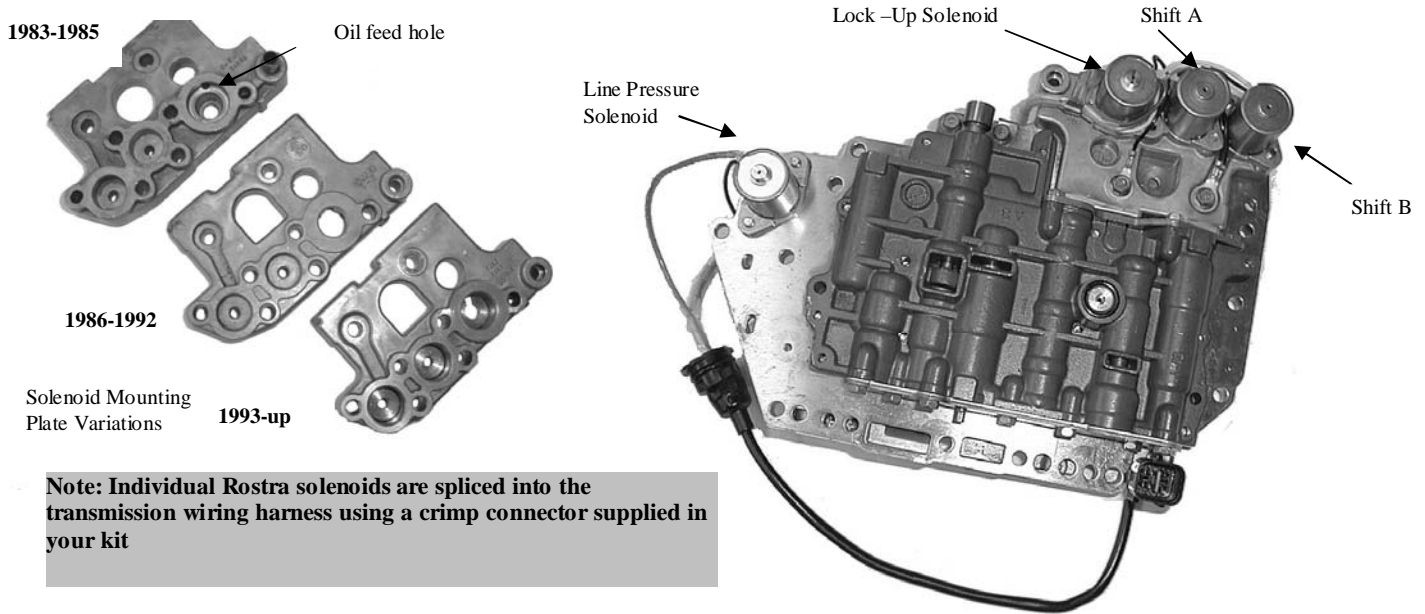




# Installation Instructions for Rostra Individual Mitsubishi Transmission Solenoids

Application Information: Refer to the pictures below and the following chart for Rostra solenoid application details.



**Note: Individual Rostra solenoids are spliced into the transmission wiring harness using a crimp connector supplied in your kit**

**Solenoid Application Chart**

Rostra #	Description	Wire Color	Case Conn. Wire Color	Application Notes
52-0258	Shift Sol A (on/ off type) 22 ohm	Orange	Orange	Fits all models
52-0259	Shift Sol B (on/ off type) 22 ohm	Yellow	Yellow	Fits all models
52-0260	Lock-Up Sol, 3 ohm (PWM type)	Red	Red	Does not fit 1983-1985 with oil feed hole as shown
52-0261	Lock-Up Sol, 12 ohm (PWM type)	White	Red	Used on 93-up on vehicles with red/blk wire in 4 pin external trans. connector
52-0262	Line Pressure Sol, 3 ohm (PWM type)	Blue	Blue	Does not fit 1983-1985

### Installation Instructions:

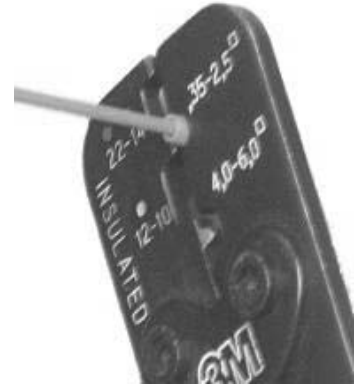
1. Remove transmission pan and filter. Remove case connector by depressing the plastic locking tabs and pushing inwards. Remove the valve body. Remove the solenoids and wiring harness from the valve body. Remove the harness retaining brackets from the harness; **these will be reused when installing the Rostra solenoid(s).**
2. Pull back the wiring loom to a distance of approximately 2 inches from the case connector. Locate the proper wire color as per the chart above. Cut this wire approximately 1 inch from the case connector and strip the insulation approximately 5/32 inch. Be certain wire ends are clean and free from oil and other contaminants. Remove the old solenoid and wire from the harness and discard.
3. Cut off the terminal from the Rostra replacement solenoid as shown. Strip wire insulation approximately 5/32 inch. Be certain wire ends are clean and free from oil and or other contaminants.
4. Assemble the crimp splice onto each end of the stripped wires. Crimp securely with an appropriate crimping tool.





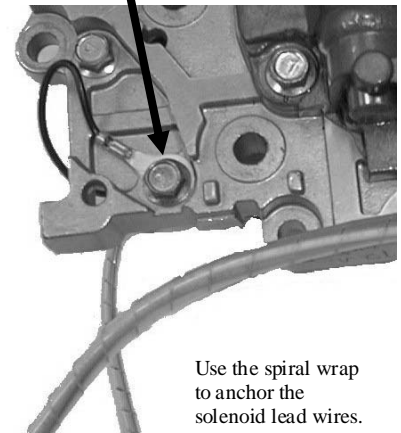
## Installation Instructions for Rostra Individual Mitsubishi Transmission Solenoids

5. Pull on both ends of the crimp to ensure a proper connection.
6. Measure the solenoid resistance to ensure continuity. Reference the application chart for resistance values.
7. If multiple Rostra solenoids are installed, splices should be staggered.
8. Assemble the Rostra solenoid lead wire to the original wiring loom by wrapping both the lead wire and wiring loom with the included spiral wrap. Be certain to cover the splice. (**Note: If all solenoids are being replaced, the original equipment wiring loom may be discarded.**)
9. Install solenoids and harness retaining brackets onto valve body, noting the proper solenoid location as shown. **Note: Check that solenoid mounting gaskets are in place and not damaged.** Torque the solenoid mounting bolts to manufacturer's specifications.
10. Position the solenoid to orient the lead wires in the proper exit locations as shown. Precise wire routing must be followed to ensure proper assembly of valve body within transmission case.
11. Attach the solenoid ground leads as shown. **Note: Care must be taken when attaching the ground lead for the Rostra lock-up solenoid. The terminal must lie flat, and not overlap holes in solenoid mounting plate.**
12. Route solenoid harness as shown. Re-crimp harness retaining brackets over the spiral wrap to hold harness securely in place.
13. Upon re-installing valve body, verify wiring harness fits freely and does not become pinched or interfere with the motion of components within the transmission case.
14. Re install case connector, filter, and oil pan.

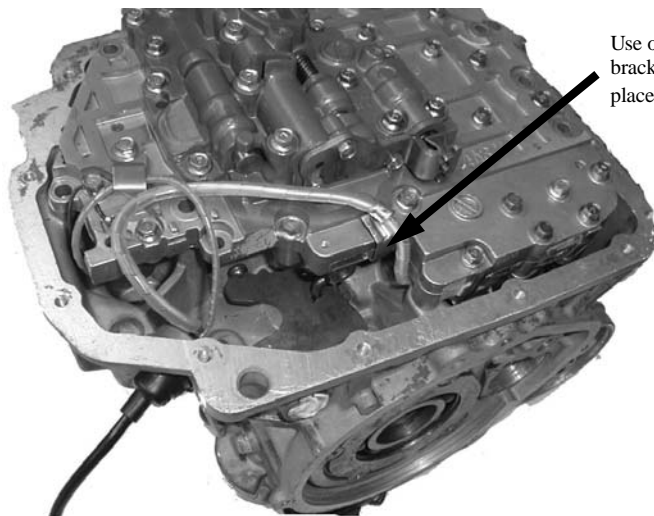


Crimp Splice with appropriate tool

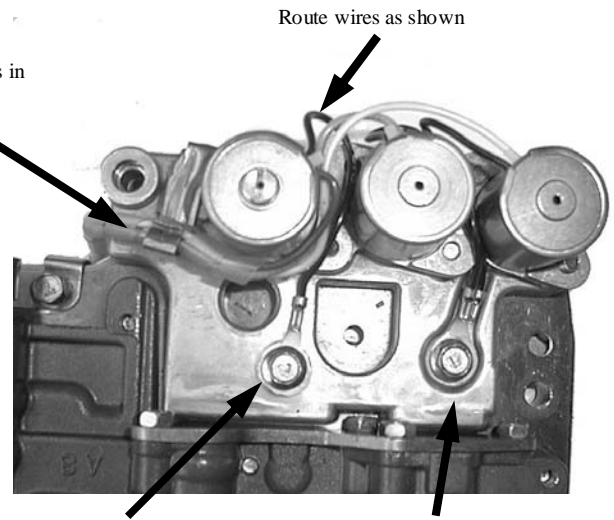
EPC ground wire



Use the spiral wrap to anchor the solenoid lead wires.



Use original retaining brackets to hold harness in place



Route wires as shown

Lock-up solenoid ground lead must not overlay the holes in mounting plate

Shift solenoid ground wires