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TapShifter Installation Instructions

Kodiak/TopKick with 5 Speed Allison Transmission

The TapShifter Packaging Should Include the Following:



Note: Pictured with Prototype J3 Connector

Figure 1: TapShifter Wiring Harness



Figure 2: TapShifter Lever

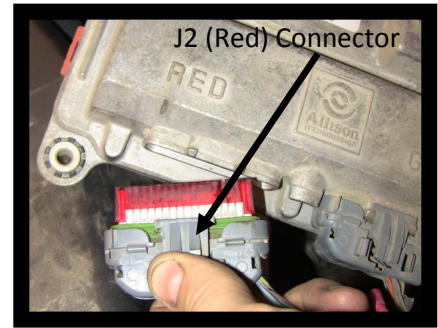
Tools: 10mm 3/8" Drive Socket with 6" Extension, 7mm 1/4" Drive Socket, T30 Torx Bit or Socket

NOTE: Prior to installation, please verify all components listed above are undamaged and present.

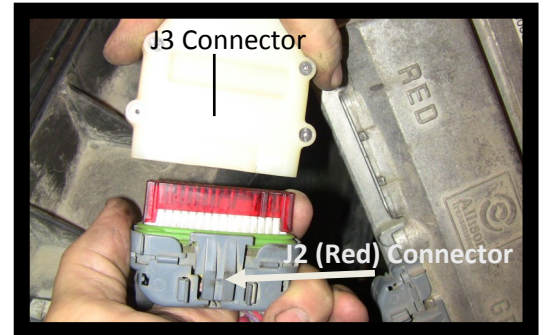
CAUTION: To avoid possible arcing and component damage disconnect the batteries prior to installation.

1. Disconnect Batteries.
2. Remove the passenger side wheel well to gain access to the TCM.

3. Remove the red (J2) connector from the TCM. The TCM is labeled “RED” and “GRAY” to identify the connectors.



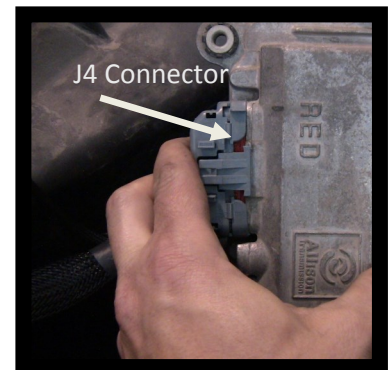
4. Insert the red (J2) connector from the vehicle harness, into the red colored (J3) connector on the TapShifter harness.



Note: Pictured with Prototype J3 Connector

NOTE: The terminal insulators are keyed to only install in one direction. **DO NOT FORCE INSTALLATION .**

5. Insert the (J4) connector on the TapShifter harness, into the red (J2) connector in the TCM.



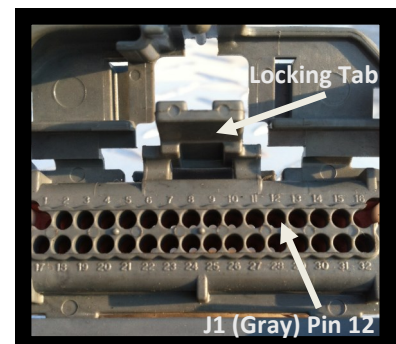
6. Remove the gray (J1) connector from the TCM

7. Remove the clear terminal insulator by pressing the two white retaining tabs (1) on opposite ends of the terminal connector (a pen works well). After pushing both tabs in, the clear shroud will pull away easily.



8. Separate the gray backshell of the connector by pressing the three retaining tabs and opening at the split line.

9. Locate Pin 12. It will be populated with the OEM overdrive lockout pin. Remove this pin.



10. Insert the overdrive disable switch pin, routed from the J4 connector of the TapShifter harness, into pin 12 of the gray (J1) connector.



11. Reassemble the gray (J1) connector.

NOTE: Insure that the clear terminal insulator is securely seated on the gray (J1) connector.



12. Reinstall the TCM in its factory location.

13. Create or find an opening in the firewall to pass the opposite end of the TapShifter wiring harness into the cab.

14. Carefully route the TapShifter wiring harness through the engine compartment and firewall.

CAUTION: Route wiring harness away from moving parts and hot components.

15. Remove the plastic panel covering the bottom of the steering column.

16. Using a T30 torx bit; Remove the factory shift lever by removing bolt (3).

17. Install the new TapShifter Lever.

18. Plug the 4-pin connector of the TapShifter lever harness into the TapShifter wiring harness.

** Kodiaks and Topkicks do not use the 2 pin connector**

CAUTION: Route wires where they cannot be pinched or damaged by the pedals, shift mechanism, or steering column.



19. Reinstall all of the panels that you removed for the installation .

20. Connect the batteries and key on the vehicle. The PRND321 indicator should cycle from P to 1 and back, to indicate that the TapShifter is working properly.



TapShifter Operation

(2001-2002)

Manually move the shift lever into the “D” detent.

The first time “-“ is pressed on the shift pad it will shift into 4th gear.

There will be no light or indicator to show the 4th gear position.



The second time “-“ is pressed, it will shift into third gear and the “3” will be highlighted on shift indicator.



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