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25-3, 25-3HD, & 25-3X 4L80E D-1 AUTO SHIFT TRANSBRAKE WIRING INSTRUCTIONS

1. The "B" wire in the TCU (or PCM) wiring harness provides transbrake activation when grounded. Splice a wire into the "B" wire in the TCU wiring harness. The splice can be located anywhere that is most convenient along the length of the "B" wire between the transmission case connector and the TCU connector. Be sure to use quality electrical connectors and proper splicing technique when creating this splice. 16 – 20 gauge wire is acceptable for use (**see figure 1**). **DO NOT** isolate the "B" wire from the harness; you must only splice the wires. Route the spliced wire into the driver compartment.

(FIGURE 1)



2. Connect the loose end of the spliced wire to a push button (momentary switch) that is easily accessible inside the driver compartment of the vehicle. Using a second 16 - 20 gauge wire, connect the other side of the push button to a good source of chassis ground. The grounding surface must be clean and free of all paint, rust, corrosion, etc.
3. The transbrake feature can only be activated when the transmission is placed in manual low gear. You should only activate the transbrake when the vehicle is at a complete stop. When you activate the transbrake the transmission will lock up internally and not allow the vehicle to move. Once you release the transbrake button the transmission will unlock and the vehicle will launch forward in low gear.
4. Once you have released the transbrake you may upshift the transmission manually.
5. During normal driving simply place the shifter in the "D" (3rd) or "OD" (4th) positions for normal automatic upshifting and downshifting.
6. **DO NOT** manually down shift the transmission into low gear (1st) while the vehicle is moving. This will create a bind in the transmission causing internal damage to the transmission and potential damage to the rest of the gear train/drive line.

If you have any questions about your Hughes Performance products please contact us at 602-257-9591, or fax at 602-340-8429. You may also visit us on the web at www.hughesperformance.com.