TRAILER BRAKE CONTROL MODULE INSTALLATION

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<td>Trailer Brake Control (TBC) Module</td>
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Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool

NOTE:
Two kit types are available, order appropriate kit based on the following criteria:
- Vehicles Equipped with Upfitter Switch - Include only the TBC Module.
- Vehicles Not Equipped with Upfitter Switch - Include both the TBC Module and a Storage Bin.

NOTE:
The Instrument Cluster (IC) must be programmed using IDS to complete the installation and to ensure the IC recognizes the vehicle is now TBC equipped.
Vehicles Equipped with Upfitter Switch

1. Remove and disconnect the upfitter switch.

2. Remove and discard the storage bin.
   - Detach the trailer control harness electrical connector and position aside.

3. Install the new TBC module.
   - Connect the trailer control harness electrical to the TBC module.
4. Connect and reinstall the upfitter switch.

**Vehicles Not Equipped with Upfitter Switch**

5. Remove the vehicles storage bin.
   - Detach the trailer control harness electrical connector and position aside.

6. Install the new TBC module.
   - Connect the trailer control harness electrical to the TBC module.
7. Install the new storage bin.

All Vehicles - Reprogram the Instrument Cluster

NOTE:
Always verify proper operation of the electronic brake controller before towing a trailer. The circuits for the electronic brake controller have already been fused from the engine compartment fuse box. If your trailer functions do not operate properly, then DO NOT operate your vehicle until corrections are made.

NOTE:
Always check trailer and vehicle functions (I.E., Stop, Turn Signal, Electric Brakes and Running Lights) before operating your vehicle and trailer.
Always unplug the adapter from the trailer tow harness before unhitching.
If your trailer functions DO NOT operate properly, DO NOT operate your vehicle until corrections are made.
NOTE:
The message center will display TBC FAULT if it is receiving communications from the TBC module, but has not been configured for a trailer brake system. If the message center displays TBC FAULT and there are no DTCs stored in the TBC module, follow these steps to verify and/or modify the TBC module programmable parameter in the IC.

8. Identify the vehicle using the normal IDS process.
9. Select Programming and press the check box.
10. Select Module Programming and press the check box.
11. Select Programmable Parameters and press the check box.
12. Select Personality and press the check box.
13. Follow the on-screen directions.

NOTE:
The scan tool will display either EQUIPPED or NOT EQUIPPED to the left of TBC-IC. Highlight TBC-IC.

14. Set the Trailer Brake ABS and Trailer Brake IC settings, choose "EQUIPPED" or "ENABLE" and press the check box.
15. Carry out a self-test of the TBC module. Refer to the TBC Module DTC Chart for any DTCs retrieved.

Troubleshooting

16. For Troubleshooting, Refer to Ford Workshop Manual (WSM) for normal diagnostic procedures.