

**Mack Models**

|                   |                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mack Model</b> | TE-TerraPro , LR , LEU , MRU-TerraPro , GR-Granite , PI-Pinnacle , AN-Anthem ,<br>CHU-Pinnacle, Axle back , CXU-Pinnacle, Axel forward , GU-Granite , TD-Titan |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Engine family**

|               |                  |
|---------------|------------------|
| Engine family | MP7 , MP8 , MP10 |
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**Emission Standard**

|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| Emission Standard | 2018 , US17 , US14 CNG , US16 , US15 , US07 , US10 , US13 OBD , US14 |
|-------------------|----------------------------------------------------------------------|

**\*\* SOLUTION \*\***

|       |                                                                                                                                                |
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| Title | Engine Brake Only Works With The Brake Pedal, No Function During Cruise - <b>US07</b><br><b>And Newer Emissions, Model Year 2008 And Newer</b> |
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|       |                              |
|-------|------------------------------|
| Cause | Incorrect parameter setting. |
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|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Solution | <p>If the engine brake only works with the brake pedal and you have no function during cruise, this is generally a result of a parameter setting. An e-service case will need to be opened with the following information:</p> <ul style="list-style-type: none"><li>a. A complete description of the customer report with all symptoms noted by both the customer report <u>and the technician</u>.</li><li>b. A complete DTC readout from the time of the truck's arrival.</li><li>c. A <u>thorough</u> description of any repair history that could potentially be related to this issue - "Truck has been in for this previously" with no other details does not provide any information for review.</li><li>d. <b>If</b> any diagnostic work was performed prior to the case, all test performed <u>with numerical values</u> of the results should be provided.</li></ul> <p>- "Performed GD", "Checked system", "Okay", "Good" are not acceptable descriptions and values for work performed.</p> |
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| Internal comments (BO) | If the unit's engine brake only works with the brake pedal and has no function during cruise the parameter CDB should be checked. With this complaint the parameter CDB is most likely set to the " OFF " value. An E-Service case will need to be created so the CDB parameter can be set to the " ON " value. |
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|---------------------|----------------------------|
| Solution visibility | <b>Dealer distribution</b> |
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**Function(s)/component(s) affected**

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Function affected | engine brake , MID 144 – VECU , VECU , Diagnostic tool |
|-------------------|--------------------------------------------------------|

**Function Group**

|                |                                   |
|----------------|-----------------------------------|
| Function Group | 365 entire vehicle control system |
|----------------|-----------------------------------|

**Customer effect**

|                      |                                                                                                                                     |
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| Main customer effect | acceleration/speed , calibration/programming/pairing/missing operation , diagnostics<br>/methodology , efficiency/abnormal behavior |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|

Conditions

Vehicle operating modewhen driving , downhill , when braking

Frequency of occurrence of problemalways

Administration

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