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SUPPORT

**Subject:** Transmission Low Air Pressure and/or Clutch Abuse Display Messages – Endurant Transmissions

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### Issue Description:

Customers may experience a low transmission air pressure and/or clutch abuse message during low speed maneuvering or stop and go traffic situations.

- **Low transmission air pressure message:** This issue may be induced by a vehicle air system not functioning properly, such as, unable to achieve or maintain operating air pressure. Also may be induced by excessive use or cycling of the service brake exhausting the vehicle air supply.
- **Clutch abuse message:** This issue may be induced by “two footing” the service brake and accelerator pedal simultaneously causing the clutch not to fully close, inducing a clutch slip and increasing clutch temperature.

Fault codes that may set during these events:

- Transmission Air Supply Pressure: FC215 SPN 37 FMI 18
- Clutch Temperature: FC815 SPN 5939 FMI 15 and/or 16

### Containment/Corrective Action:

Driver recommendations:

- Ensure the vehicle air system is operating per OEM requirements.
- Allow the vehicle air system to reach normal operating range, 99 to 130 PSI (6.8 to 9.0 Bar), prior to selecting a gear from neutral.
- Avoid “two footing” the service brake and accelerator pedal.
- Avoid using the accelerator pedal to hold the vehicle on a hill - depress and hold the service brake until movement is required.
- During operation on a grade, rely on Hill Start Aid (HSA) when transitioning from the service brake pedal to the accelerator pedal.
- During low speed maneuvering, select the lowest available start gear (1<sup>st</sup> or R1) and rely on Urge to Move and Creep Mode to assist in moving the vehicle at engine idle without having to apply the accelerator pedal.

**Note:** For additional information on how to operate the transmission refer to [Driver Instructions TRDR0950](#) and [GET 2 KNOW videos](#) .

Recommendations when messages are displayed:

- Low transmission air message - allow the vehicle air system to reach normal operating range (100 PSI or above) and then continue operation. For optimal performance, the transmission requires 99 to 130 PSI (6.8 to 9.0 Bar).
- Clutch abuse message - safely and immediately discontinue the operation that is being performed which is causing the clutch to overheat. Depress and hold the service brake or set vehicle parking brake and idle the engine until the message is no longer indicated and then continue normal operation. Ensure to allow the engine to idle, shutting off the engine prolongs the condition.

**Note:** The OEM display may require a reset procedure to clear the message, refer to OEM guidelines.

**Note:** In most cases the transmission will recover from the induced events outlined above and towing of the vehicle is not required.

**Affected Models/Population:**

- Endurant Transmissions

**Warranty Information:**

Informational only.

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