Description

TREAD Lamp

– Tire Under Inflation / Leak Warning.

1. Turn on condition
   - When tire pressure is below allowed threshold
   - When rapid leak is detected by the sensor.
   - Indicates that tire needs to be re-inflated to specified pressure / repaired.
2. Turn off condition
   - Under-inflation : When tire pressure is above [warning threshold + hysteresis].
   - Rapid Leak : When tire pressure is above [leak warning threshold].

DTC Warning

1. Turn on condition
   - When the system detects a fault outside the receiver/ sensor.
   - When the system detects a receiver fault.
   - When the system detects a sensor fault.
2. Turn off condition
   - If the fault is considered "critical", then the lamp stays on throughout the current ignition cycle (even if the DTC has been demoted). This is because it is important to bring the problem to the driver"s attention. On the following ignition cycle, the demotion conditions will be re-checked. If the demotion conditions occur, the lamp will be turned off. It will stay on until DTC demotion checking is completed.
   - "Non-critical" faults are those that can occur temporarily e.g. vehicle battery under voltage. The lamp is therefore turned off when the DTC demotion condition occurs.

NOTICE

- When driving in high altitude grades, it is natural for the atmospheric pressure to decrease. Therefore, please check the tire pressure and add more air as necessary. Additionally required tire air pressure per km above sea level : 1.5 psi/km
- Tire pressure can be decreased naturally due to decrease in ambient temperature (especially in winter). In this case, fill tires with air to the specification if warning lamp is illuminated as this is natural phenomenon.

System Fault

1. General Function
   - The system monitors a number of inputs across time in order to determine that a fault exists.
   - Faults are prioritized according to which has the most likely cause.
   - Up to 15 faults can be saved.
   - Certain faults are not covered through DTC. These include:
     a. Sensor thermal shutdown (over 257°F/125°C).
     b. Stuck Ignition Line: requires observation of lamps at Ignition ON to diagnose.