

Daytime Running Lamps (DRL) - Daytime Running Lamps (DRL)

Description and Operation

INTRODUCTION

Daytime Running Lamps (DRL) use the full intensity low beam headlamps which are permanently illuminated when the vehicle is being driven. DRL are used in a number of markets and there are two systems to cover these markets.

For additional information, refer to: [Exterior Lighting](#) (417-01 Exterior Lighting, Description and Operation).

DRL CANADIAN MARKET

DRL for this market use full intensity low beam headlamps. The side marker lamps, tail lamps and license plate lamps will be on, but instrument cluster illumination will be off. DRL are active when the following parameters are met:

- PARK is not selected on automatic transmission selector lever
- Power mode 6 (ignition on) detected by the auxiliary junction box
- The Central Junction Box (CJB) receives an engine running signal
- The lighting control switch is in the off or side lamps position.

NOTE: If the lighting control switch is moved to the headlamp position, DRL are deactivated and normal side lamp and headlamp functionality is operational.

NOTE: Adaptive Front lighting System (AFS) (where fitted) is non-functional when the DRL are active.

NOTE: When DRL are active, the headlamp flash function using the left hand steering column multifunction switch will operate normally.

The high beam headlamp function using the left hand steering column stalk switch will be deactivated. When the selector lever is in the PARK position on automatic transmission vehicles, DRL are turned off. This is to reduce battery discharge during long periods of engine idling in cold climate conditions. When the selector lever is moved from the PARK position, normal DRL functionality is restored.

DRL DENMARK, HOLLAND, NORWAY, SWEDEN, FINLAND AND POLAND

DRL for these markets use full intensity low beam headlamps. Side lamps and license plate lamps will be on, but instrument cluster illumination will be off. DRL are active when the following parameters are met:

- Power mode 6 (ignition on) detected by the auxiliary junction box
- The CJB receives an engine running signal
- The lighting control switch is in the off position.

NOTE: When DRL are active, the headlamp flash function using the left hand steering column multifunction switch will operate normally. The high beam headlamp function using the left hand steering column stalk switch will be deactivated.

If the lighting control switch is moved to the side lamp or headlamp positions, DRL are deactivated and normal side lamp and headlamp functionality is operational.

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Diagnosis and Testing

Principle of Operation

For a detailed description of the daytime running lamps, refer to the relevant Description and Operation section in the workshop manual.

REFER to: [Daytime Running Lamps \(DRL\)](#) (417-04 Daytime Running Lamps (DRL), Description and Operation).

Inspection and Verification

1. Verify the customer concern.
2. Visually inspect for obvious signs of electrical damage and system integrity.

Visual Inspection

Electrical
<ul style="list-style-type: none">• Fuse(s)• Bulb(s)• Switch(es)• Electrical connector(s)• Wiring Harness

3. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.
4. If the cause is not visually evident, verify the symptom and refer to the manufacturer approved diagnostic system.