

DESCRIPTION AND OPERATION

TRAILER SOCKET

DESCRIPTION

General

The trailer socket is mounted at the rear of the vehicle, and receives inputs from the trailer ECU. The trailer ECU is mounted behind the rear fuse box, on the RH side of the luggage compartment. The trailer ECU receives inputs from the Light Check Module (LCM), which is located at the base of the RH 'A' post.

For more information on the LCM, refer to the **Lighting** section of the System Description and Operation Workshop Manual.

OPERATION

Power Distribution

Feed from the positive battery terminal (C0192) is supplied to fusible link 5 and fuse 53 of the passenger compartment fuse box (C0632) on an R wire. Fusible link 5 (C0588) is connected to fuse 4, fuse 6, and fuse 17 of the rear fuse box (C2024) by an R wire. Fuse 4 and fuse 6 (C2020) supply constant battery feeds to the trailer socket (C0499) on RY and RU wires respectively. Fuse 17 (C2022) provides a constant battery feed to the trailer ECU (C0380) on an RW wire.

Fuse 53 of the passenger compartment fuse box (C0583) provides a constant battery feed to the ignition switch (C0099 on Td6 vehicles, C0028 on V8 vehicles) on an R wire. When the ignition switch is turned to the 'auxiliary' position, current flows across the switch (C0099 on Td6 vehicles, C0028 on V8 vehicles) to fuse 2 of the passenger compartment fuse box (C0585) on a G wire. Fuse 2 (C0587) provides an auxiliary ignition feed to the trailer socket (C0499) via the rear fuse box (C2022) on a GY wire.

Light Check Module (LCM)

The LCM provides signal inputs to the trailer ECU as follows:

Rear Fog Lamp

The rear fog lamp function of the trailer ECU is controlled via a bi-directional data line between the LCM (C2040) and the trailer ECU (C0380) on a UNY wire. When the trailer ECU receives a rear fog lamp signal, it provides a feed to the trailer socket (C0499) on a YR wire.

Reverse Lamp

The reverse lamp function of the trailer ECU is controlled via a bi-directional data line between the LCM (C2040) and the trailer ECU (C0380) on a UNY wire. When the trailer ECU receives a reverse lamp signal, it provides a feed to the trailer socket (C0499) on a YU wire.

DESCRIPTION AND OPERATION

RH Tail Lamp

When the LCM (C0937) detects that side or headlamps have been selected, it provides a feed to the trailer ECU (C0380) on an SP wire. The trailer ECU (C0380) will now provide a feed to the trailer socket (C0499) on an SR wire.

LH Tail Lamp

When the LCM (C2040) detects that side or headlamps have been selected, it provides a feed to the trailer ECU (C0380) on an SW wire. The trailer ECU (C0380) will now provide a feed to the trailer socket (C0499) on an SB wire.

RH Direction Indicator Lamp

When the LCM (C2039) detects that a right turn has been selected, it provides a feed to the trailer ECU (C0380) on a UN wire. The trailer ECU (C0380) will now provide a feed to the trailer socket (C0499) on a UY wire.

LH Direction Indicator Lamp

When the LCM (C0937) detects that a left turn has been selected, it provides a feed to the trailer ECU (C0380) on a UG wire. The trailer ECU (C0380) will now provide a feed to the trailer socket (C0499) on a UR wire.

Brake Lamps

When the LCM (C0937) detects that the brake pedal has been pressed, it provides a feed to the trailer ECU (C0380) on a BU wire. The trailer ECU (C0380) will now provide a feed to the trailer socket (C0499) on a BW wire.