

Adaptive Light Interface

Purpose

The adaptive light interface is used to ensure full functionality of the new headlights for 221 S-class MY10 on the cars manufactured in 2005-2009.

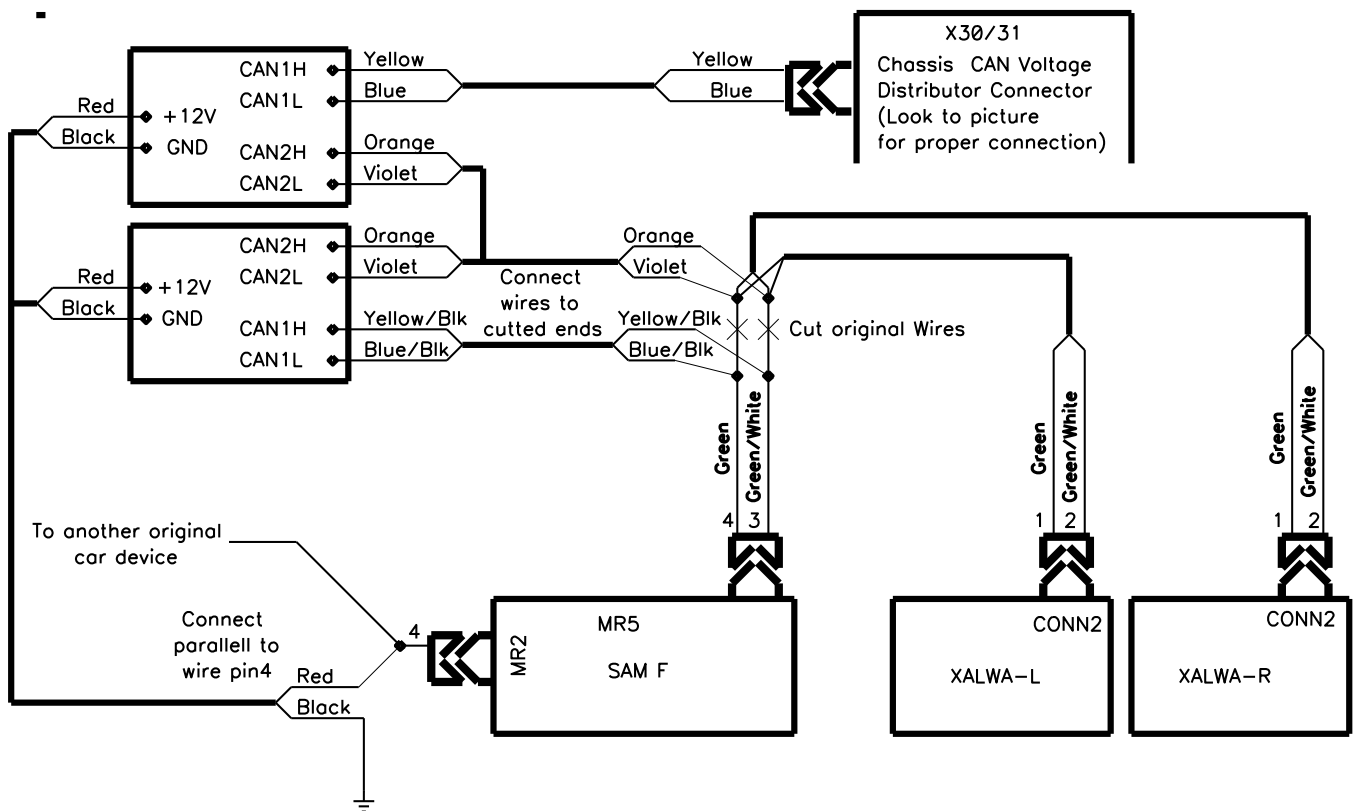
Description

The interface helps to realize all functions in the new headlights like Cornering Lights, Intelligent Light Spread System, Integrated Curve Illumination, Head Lamp Range Adjustment, Active Fog Light, HighWay Mode. The use of the adaptive light interface helps to install the new headlights on a car even if the ILS (Intelligent Light System was not installed on a car on the factory).

Connection

The interface consists of two control units which perform the transformation of all information sent via CAN. The interface is connected to CAN bus between SAM Front and the headlights control units - XALWA-L, XALWA-R (in the place of connector MR5 on SAM Front), to CAN-C (near the Chassis CAN Voltage Distributor Connector under the panel shown on pic. 2) and to power output of the left headlight (in the place of the connector MR2 on the SAM Front).

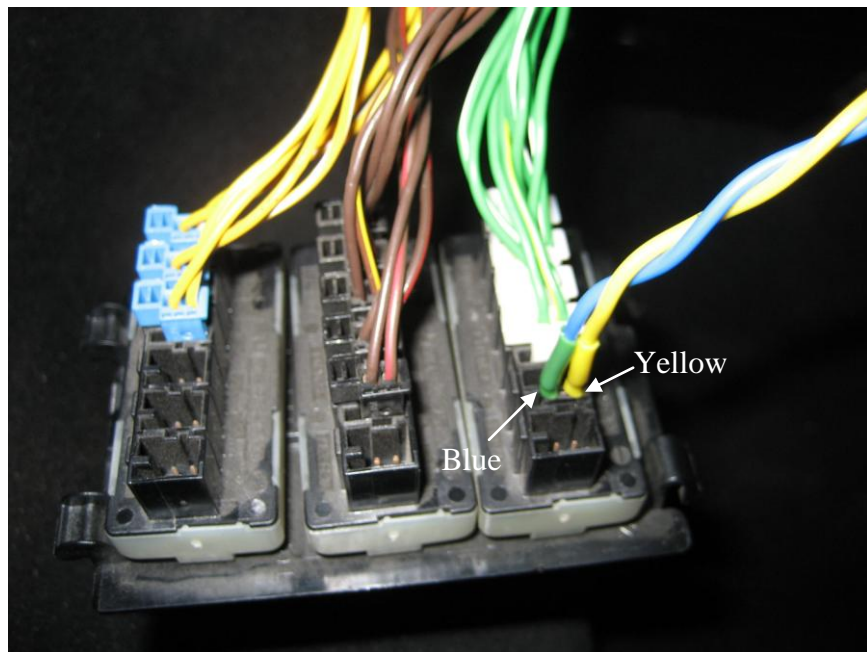
The connection diagram and the color designation are shown on the picture 1. The location of Chassis CAN Voltage Distributor Connector is shown on the picture 2, the connection to CAN-C is shown on the picture 3.



Pic. 1
Interface connection diagram



Pic. 2
Location of
Chassis CAN Voltage Distributor Connector



Pic. 3
Connection of interface to CAN-C on
Chassis CAN Voltage Distributor Connector