

HEADLAMP -CONVENTIONAL TYPE-

< SERVICE INFORMATION >

NG >> GO TO 2.

2.CHECK COMBINATION SWITCH INPUT SIGNAL

1. Select "BCM" on CONSULT-III. Select "HEAD LAMP" on "SELECT TEST ITEM" screen.
2. Select "DATA MONITOR" on "SELECT DIAG MODE" screen. Make sure that "H/L SW POS" turns ON-OFF linked with operation of lighting switch.

When lighting switch is : H/L SW POS OFF
OFF position

OK or NG

OK >> Replace IPDM E/R. Refer to [PG-30, "Removal and Installation of IPDM E/R"](#).

NG >> Check combination switch (lighting switch). Refer to [LT-107, "Combination Switch Inspection"](#).

3.CHECKING CAN COMMUNICATIONS BETWEEN BCM AND IPDM E/R

Select "BCM" on CONSULT-III, and perform self-diagnosis for "BCM".

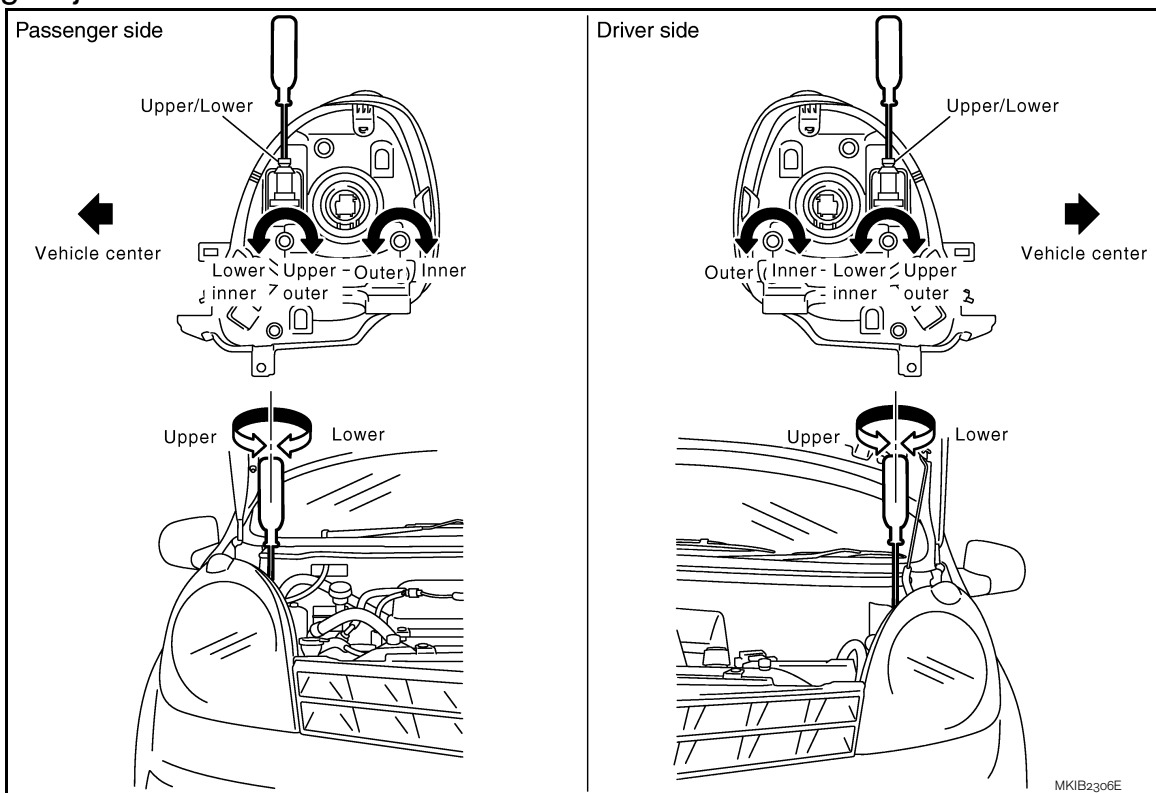
Display of self-diagnosis results

NO DTC>> Replace IPDM E/R. Refer to [PG-30, "Removal and Installation of IPDM E/R"](#).

CAN COMM CIRCUIT>> Refer to [BCS-12, "CAN Communication Inspection Using CONSULT-III \(Self-Diagnosis\)"](#).

Aiming Adjustment

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- Turn the aiming adjusting screw to adjust.
- For positions of the adjustment screws, refer to the figures.

CAUTION:

Adjustment with the aiming adjusting screw must be done in the tightening direction. (When adjusting in the loosening direction, first loosen the screw, then tighten again.)

PREPARATION BEFORE ADJUSTING

For details, refer to the regulations in your own country.

Before performing aiming adjustment, check the following.

1. Keep all tires inflated to correct pressures.
2. Place vehicle on flat surface.
3. Set that there is no-load in vehicle other than the driver (or equivalent weight placed in driver's position). Coolant, engine oil filled up to correct level and full fuel tank.

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LOW BEAM AND HIGH BEAM

NOTE:

Aim each headlamp individually and ensure other headlamp beam pattern is blocked from screen.

1. Turn headlamp low beam ON.
2. Use adjusting screws to perform aiming adjustment.
 - First tighten the adjusting screw all the way and then make adjustment by loosening the screw. If the vehicle front body has been repaired and/or the headlamp assembly has been replaced, check aiming. Use the aiming chart shown in the figure.
 - Adjust headlamps so that main axis of light is parallel to center line of body and is aligned with point P shown in illustration.
 - Figure shows headlamp aiming pattern for driving on right side of road; for driving on left side of road, aiming pattern is reversed.
 - Dotted lines to point P in illustration show center of head-lamp.

"H" : Horizontal center line of headlamps

"WL" : Distance between each headlamp center

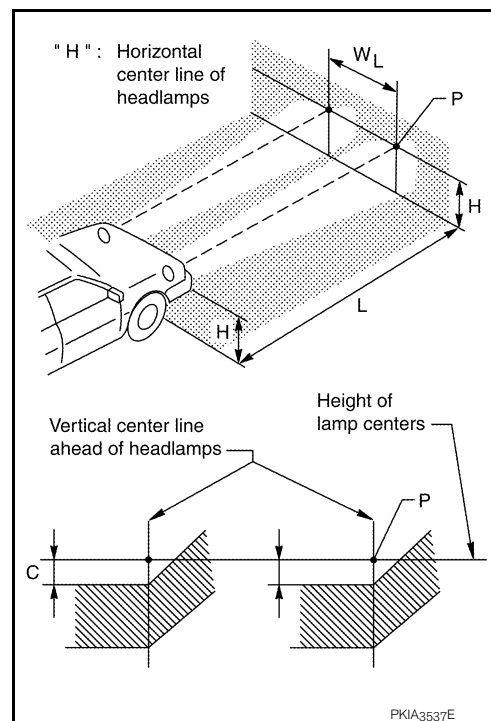
"L" : 25,000 mm (984.25 in)

"C" : 250 mm (9.84 in) – 310 mm (12.20 in)

- Elbow point for LHD models must be in 300 mm (11.81 in) to the right from point P.
- Elbow point for RHD models must be in 300 mm (11.81 in) to the left from point P.
- Basic illuminating area for adjustment should be within the range shown in the figure. Adjust headlamps accordingly.

CAUTION:

Be sure aiming switch is set to "0" when performing aiming adjustment.



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Bulb Replacement

CAUTION:

After installing bulb, be sure to install plastic cap and bulb socket securely to ensure watertightness.

HEADLAMP (HIGH/LOW)

1. Turn lighting switch OFF.
2. Remove the socket connected to the bulb.
3. Remove back cover.
4. Unlock retaining spring and remove bulb from headlamp.

Headlamp (High/Low) : 12V - 60/55W (H4)

PARKING (CLEARANCE) LAMP

1. Turn lighting switch OFF.
2. Turn bulb socket counterclockwise and unlock it.
3. Remove bulb from its socket.

Parking (Clearance) lamp : 12V - 5W

FRONT TURN SIGNAL LAMP

1. Turn lighting switch OFF.
2. Turn bulb socket counterclockwise and unlock it.
3. Remove bulb from its socket.