

4.0 TESTING

During braking, standard stop lamps and newly fitted brake lamps must light-up together.

Your **Hella MATRIX** LED High Mounted Stop Lamp is ready to offer you the safety benefits for which this product has been designed.

5.0 SPARE PART BULB

As this **Hella MATRIX** LED High Mounted Stop Lamp does not use conventional bulbs, spare part bulbs are not required. However should this **Hella MATRIX** LED High Mounted Stop Lamp, or one of the individual light sources ever fail, please contact the Hella dealer from whom you purchased this product.

Hella MATRIX LED High Mounted Stop Lamps

FIT AND FORGET - BY DESIGN

Congratulations, the product you have selected comes from **HELLA** - a world leader in LED lighting design.



Following the launch of the first LED automotive signal lamps in 1990, **HELLA** Design and Innovation continues to set new standards. **HELLA** innovative solutions have been incorporated into millions of lamps, engineered and tested to the most stringent standards, to suit the most demanding environmental conditions.

The cornerstone to the success of our products is our no compromise **Fit and Forget - by Design** philosophy which is incorporated into every step of the product life cycle.

In a world consuming finite resources at an ever faster rate, **Fit and Forget - by Design** is the right environmental choice that also makes perfect economic sense to customers that consider the total life cycle Cost of Ownership.

For general comments about Hella's products please contact us on E-mail at techfeedback@hella.co.nz

INSTRUCTION SHEET

for: **2DA 959 071-xxx / 5243**



ADR - APPLICATION AND MOUNTING INSTRUCTIONS

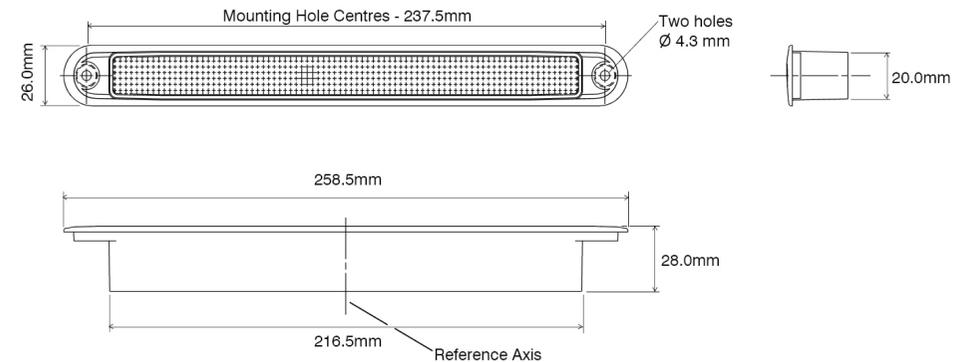
Hella MATRIX LED HIGH MOUNTED STOP LAMPS

LAMP MUST BE MOUNTED AS FOLLOWS:

- The Lamp complies with ADR 60/00 (49/00 CAT S3) when mounted with its lens vertical to the ground and its ref. axis parallel to the vehicle longitudinal axis.
- Lamp, when spoiler is mounted, must be sealed against dust and moisture ingress.

ADR 13/00 INSTALLATION REQUIREMENTS

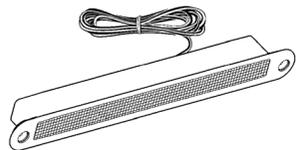
- A tolerance of +/-3 degrees applies on all mounting details.
- Geometric visibility:
 - Vertical: From 10 degrees above to 5 degrees below the horizontal.
 - Horizontal: From 10 degrees to the left to 10 degrees to the right.



LENS IDENTIFICATION NUMBER: 027547

CATALOGUE NUMBER	ENGINEERING NUMBER	CRN NUMBER	COMPLIANCE NUMBER	ADR 51/00 GLOBE	ADR APPLICABLE
5243	959 071-XX	23071	8-5243-08	N/A LED	60/00 (49/00 CAT S3)
AMENDMENTS				ADR COMPLIANCE VERIFIED	ISSUE DATE:
				<i>X. Blawie</i>	10/98
				959 089-01	

Hella-New Zealand Limited, Pakuranga



Fitting Instructions for **Hella MATRIX LED** "High Mounted Stop Lamps"

Please read in full before commencing installation!

INCLUDED IN THIS KIT:

2	Black Stainless Steel Screws	2	Screw Caps
2	Cable Connectors	1	Lamp with 2.5 Metre Cable
1	Gasket		

1.0 LEGAL REQUIREMENTS

This lamp must be fitted at a height of more than 150mm below the lower edge of the rear window and no less than 850mm above the road surface. In addition the lamp must be placed above the existing stop lamps and as close to the centreline of the vehicle as physically possible.

The location of the High Mounted Stop Lamp and attachments shall not obstruct the driver's rearward vision through the internal rear mirror.

The lamp must be mounted and wired according to the following instructions:

2.0 WIRING

Due to the advanced LED technology employed in the manufacture of this **Hella MATRIX LED** High Mounted Stop Lamp, some additional care must be taken while wiring this unit.

Hella MATRIX LED High Mounted Stop Lamps are polarity conscious, that is unless the lamp is correctly connected it will not function. The **RED** cable must be connected to **POSITIVE(+)**.

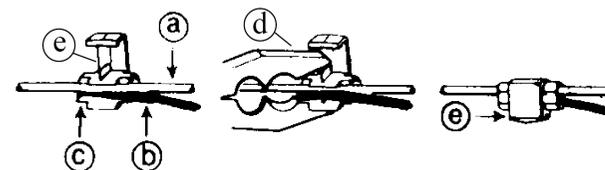
As almost all vehicles are Negative Earth, we have written these instructions to suit.

Find existing stop-lamp cable: depress the brake pedal and use a circuit tester to locate the correct cable or use the vehicle operating instructions.

Disconnect battery **NEGATIVE(-)** terminal. Run cable to existing stop-lamp, if possible where other cables already run. Make sure that the cable insulation is not damaged by sharp edges.

Connect the **RED** cable to the existing cable **POSITIVE (+)**, and the **BLACK** cable to a suitable earth **NEGATIVE (-)**.

This is quite simple with the snap-lock connectors provided. Fit snap-lock connector over existing cable so that the cable fits in the rear tubular groove. Insert High Mounted Stop Lamp cable **b** into the front tubular groove. Do not allow the cable end to hang out of the connector **c**.



Press the metal tab on the snap-lock connector firmly in with pliers **d**.

Fold the plastic flap **e** over the body of the snap-lock connector until it clicks into position.

Reconnect battery **NEGATIVE (-)** terminal.

Note:

If your vehicle is fitted with a "brake lamp failure indicator" (warning light in dash panel), a **Hella MATRIX LED** High Mounted Stop Lamp should be able to be fitted to your vehicle without affecting the operation of the brake lamp failure indicator. This is due to highly efficient LED technology employed in the **Hella MATRIX LED** High Mounted Stop Lamp, resulting in a very low power consumption.

Wire Colour	Connect to	Power Consumption
Red	Positive	2 watts
Black	Negative	-

3.0 MOUNTING

Using lamp assembly, determine the mounting position in the centre of the vehicle, making sure to take into account legal requirements and rear vision obstruction.

Ensure gasket is fitted to lamp to provide a weather tight seal. Fit lamp to mounting aperture with the screws provided.

Fit screw caps.

Note:

Do not overtighten mounting screws in lens. If it is necessary to remove the screw caps, use a pin.