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Health and safety

Every effort has been made to ensure the accuracy of the information given in our publications, but in accordance with our policy of continually improving our products we reserve the right to modify designs and specifications whenever necessary. All equipment is designed to conform to relevant British and International standards. Every care is taken to ensure that, as far as reasonably practical, it will perform without risk to health. It is essential that accepted codes of professional practice are followed in the assembly, installation and commissioning of the equipment. If in doubt with respect to any of these instructions, please consult Dorman before installing the device.

Dorman reserves the right to vary any component part to meet the required specifications without prior notice.



Certificate No. FM 14371

Dorman ref. No C64.63590 iss 5

European Red/White Marker Tail Lamp User Instructions

To be read before commencing
Operation



ALWAYS TURN OFF ELECTRICITY SUPPLY BEFORE COMMENCING WORK

General.

In general before commencing assembly, any local safety requirements affecting the safe working environment of the installation either directly or indirectly should be carried out.

The lamps should only be assembled both electrically and mechanically, by staff deemed competent in these fields by their employer.

The lamps are mounted to the customers support brackets by means of 2 off M8x20 bolts, bevelled washers and spring washers (supplied with lamp).

Before commencing installation please ensure all components have been supplied as follows (per lamp):

Description	Qty.	Dorman Part No.	AMP Part No.
Lamp with cable & 3 pole connector housing	1	EMT130/RW/02/01	n/a
M8 x 20 Bolt	2	B18.17179	n/a
Bevelled washer	2	B18.17173	n/a
M8 Spring washer	2	B18.17180	n/a

Mating Connector Components

Description	Qty.	Dorman Part No.	AMP Part No.	Alstom IDNR
Fixing Ring	1	B09.08395	965687-1	1150279
Cap 180°	1	B09.08389	965784-1	1150276
Pin Housing - 3 pole	1	B09.08390	1-967402-2	1150278
Wire seal	3	B09.08394	828921-1	1150283
Pin Contact (Alternative)	3	B09.08392	929968-1 (962972-1)	1153379 (1150282)

Lamp Installation Onto Vehicle

- 1) Lay the lamp on a suitable flat surface, to avoid any damage to the front lens.
- 2) Fix mounting plates (Alstom Part No. 4 16215.0.27.200.100) on both sides of lamp unit using M8 bolts, bevelled washers and spring washers as supplied with lamp – torque bolts to 12Nm.
- 3) Fit the lamp and mounting plates to main bracket (Alstom Part No. 2 16215.0.27.200.010) on the vehicle using its M6 fixings (not supplied by Dorman). Torque to 6.8Nm.
- 4) Locate the 3 pole socket connector from the lamp into the corresponding pin housing. Twist connector into housing & click to lock.

Vehicle Side Cable Connection.

Crimping of car side cable connections are to be carried out using:

AMP PRO-CRIMPER II : Hand Tool Frame (354940-1)
 Die Assembly (58606-2)

For hand tool assembly & wire crimping procedures please refer to AMP Instruction Sheet No. 408-04345-1.

When all conductors have been fitted with seals & crimped, insert each wire into the pin housing as follows:

Red connection No. 1
White connection: No. 2
Common connection: No. 3

Lamp Specification

Dorman Part Number: EMT130/RW/02/01
Alstom IDNR: 01146711

Nominal Voltage: 24vdc
Nominal Current: 25mA Red: 155mA White
Connections: Pin 1: +24V Red
Pin 2: +24V White
Pin 3: 0V

Weight 2.2kg

Compliance

Alstom Technical Specification – BG47-01



UIC 532
UIC 534
DIN 6163-4
EN 50121-3-2
EN 50125-1
EN 50153
EN 50155