

TOW MATE

New Zealand
TRAILER MONITORING SYSTEMS



BRAKE CIRCUIT SENSOR

IMPORTANT

Retain this booklet for future reference
for maintenance and solving problems.

CONTENTS

Mounting the monitor	page 1
Routing the cables	page 1
Connecting to magnets	page 2
Identifying faulty brake	page 1
Contact details	back cover

Lewis Gray Limited

Toll Free (New Zealand only): 0800 17 18 17

Phone: +64 9 415 3348

Fax: +64 9 415 3396

Office Location

40G William Pickering Drive
North Harbour
Albany
Auckland 0751
New Zealand

Postal Address

P.O Box 302060
North Harbour

OPERATING INSTRUCTIONS

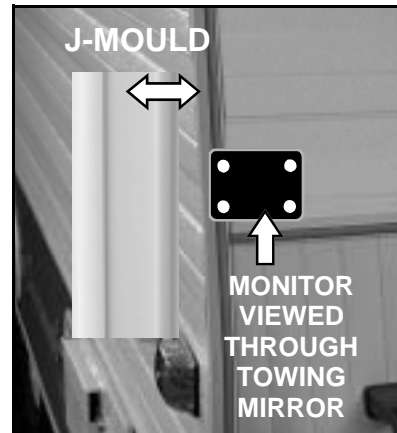
All lights should glow whenever the trailer brakes are applied. Any that do not identifies that brake not working and must be investigated.

If none glow check :

- 7 pin trailer plug
- controller in the towing vehicle

INSTALLATION

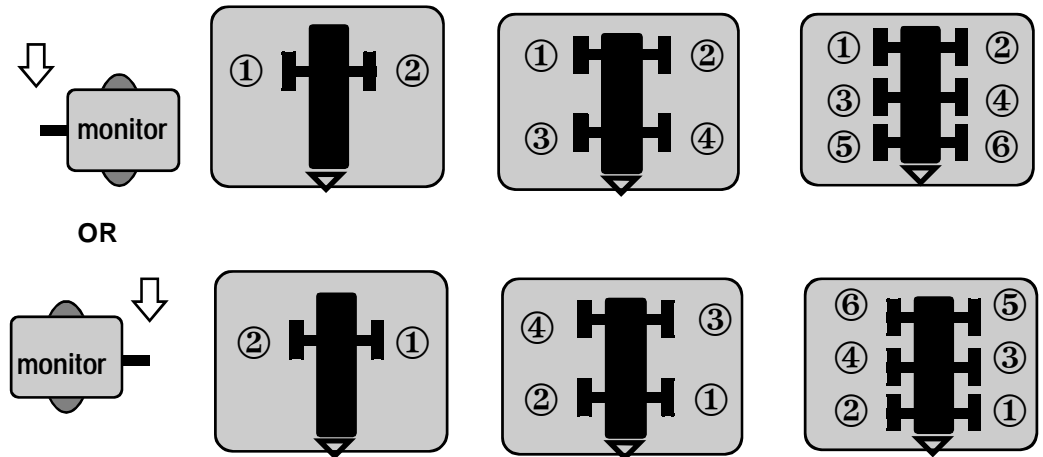
- Place the Monitor on the front of the van about the same height from the ground as the towing mirror on the tow vehicle.
- Mount the Monitor with the self taping screws supplied.
- The LED's have narrow viewing angle and are brightest when focused directly on the towing mirror. Tighten the locking screw when best angle is achieved.
- Starting at the bottom, remove plastic strip from the J-mould and feed the cables from the monitor into the J-mould down to the bottom. Re-fit the plastic filler strip over the cables.



ALTERNATIVELY ROUTE THE CABLES DOWN THROUGH THE FRONT BOOT.

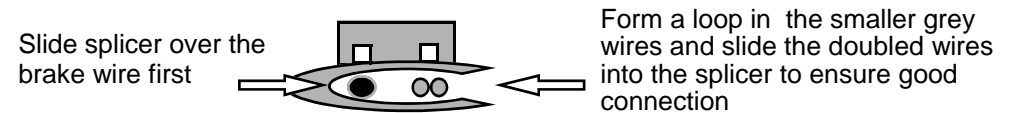
- Connect these numbered cables (dots) to the long twin cable with the screw type joiners supplied, **matching the wires with a trace from each of the cables**
- Route the long cables back towards the axle. One twin cable goes to each brake drum. In order to identify any fault, allocate the numbered light (count the dots on the cable) to each Brake as shown in the following diagram.

- A. DETERMINE WHICH SIDE THE CABLES FROM THE MONITOR ARE TO BE MOUNTED FOR YOUR PARTICULAR APPLICATION.
- B. MATCH THE NUMBERED CABLES TO THE BRAKES AS SHOWN.



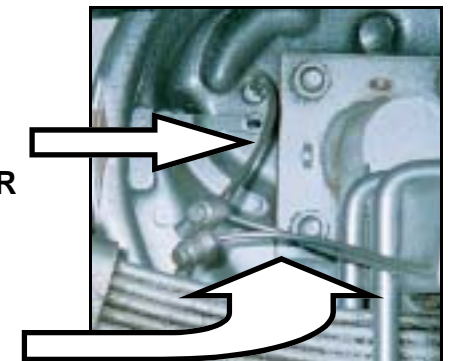
VIEWING THE MONITOR WILL IDENTIFY ANY INOPERATIVE BRAKES

- The wire with the trace must go to the positive wire from the brake controller and the plain wire goes to the earth wire from the magnet. A test light may be required to determine which of the wires is positive.



- With pliers, squeeze the splicers to connect these wires

BOTH MUST BE CONNECTED TO THE WIRE COMING OUT OF THE BRAKE DRUM BEFORE ANY JOINER



IMPORTANT DO NOT CONNECT HERE