

MINITRON

Switch Shield

User Manual

An anti-theft device designed for your classic Mini.

Leycars

MINITRON Switch Shield User Manual

Version 1

July 2025

Published by

Fischer-Cripps Laboratories Pty Ltd
PO Box 9
Forestville NSW 2087 Australia

MINITRON® is a registered trademark.

Leycars

General Features

- Prevents access to the ignition switch wiring at the underside of the parcel shelf area.
- Made in accordance with BMC factory service recommendation for Mini (pre-1971 models).

Gives you:

- Peace of mind
- Increased security

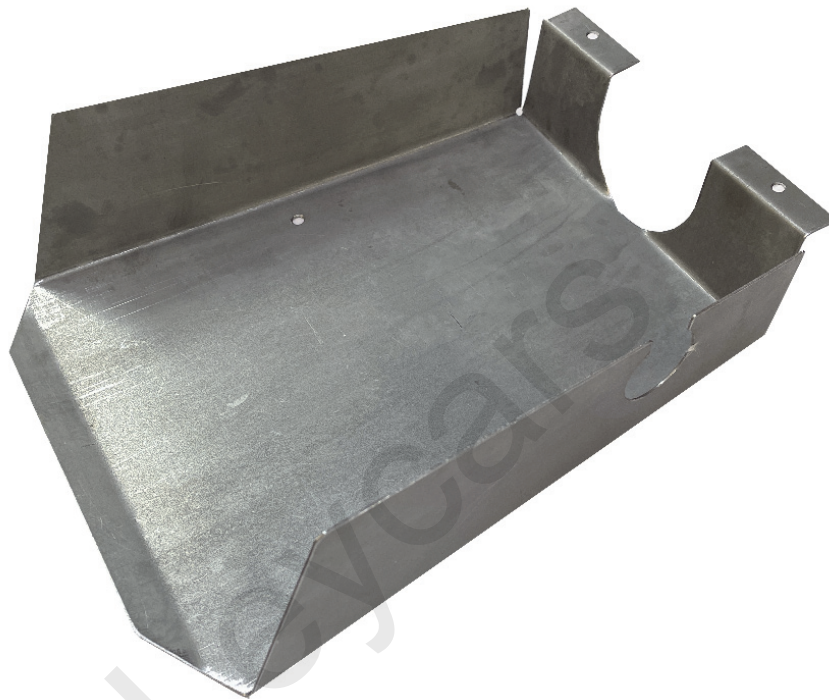


Fig. 1 MINITRON Switch Shield.

Contents

1. Introducing the MINITRON Switch Shield.....	5
2. Installation Instructions	6
3. Warranty	9
4. Disclaimers.....	9
5. Conditions	9
Appendix.....	10

Leycars

1. Introducing the MINITRON Switch Shield

This metal shield is made along the lines of that shown in BMC Service Bulletin C3/65 Ant-Theft Device (see Appendix). It is designed to prevent access to the ignition switch wiring under the parcel shelf for Mini vehicles prior to 1971.



Fig. 2 MINITRON switch shield installation.

It is designed for the Morris Mini Saloon and Van, early style bodywork, not Morris Mini Clubman or Leyland Mini.

Note: The shield is supplied in zinc-coated sheet steel. There may be marks on the surface from cutting and bending operations. This is normal. This is not a cosmetic part. The raw zinc finish is designed to look like a factory fitment. There may be pre-drilled holes in the bottom surface of the shield. These are for fitment of the MINITRON Immobiliser module which is a separate product.

Mounting holes at the rear are included. Mounting holes at the front for under the switch panel area are not included so that the user can match existing holes at that location if required.

Note: Being a metal part, it is essential that there be no possibility of a short circuit arising from poor wiring, loose terminals, and so on, in the switch panel area.

2. Installation Instructions

Please follow these instructions carefully. Be aware that this is a metal part and that the vehicle wiring must be in good condition so as to not cause any short circuits when the shield is installed.

1. The shield should be held in position by hand, making sure that the front edge overlaps the lip of the parcel shelf pressing, and that the shield is aligned and not crooked in relation to the front of the parcel shelf. The shield may be placed underneath the parcel shelf front lip, or above the lip. Installation above the lip is recommended since this makes drilling and mounting the shield easier using self-tapping screws rather than some other scheme such as a screws, washers and nuts. Make sure that the wires from the indicator switch and hose from the washer pump pass through the hole in the side of the shield neatly so that the shield is hard up against the underside of the parcel shelf.

There is 3D printed plastic grommet in the side hole for the wires to pass through Make sure it is not dislodged when fitting the wires through.

2. If there are existing holes in the lower front lip of the parcel shelf (e.g. from a previous installation of a radio bracket) then position the shield above the lip ensuring that it is straight and square with the dash panel at the rear and then mark out the holes using a felt pen as shown below. If there are no holes, then mark out the lower lip of the parcel shelf at two convenient equally spaced positions centred on the switch panel that will overlap the front of the shield lip. Remove the shield and drill two clearance holes in the parcel shelf lip (if not already present) 3.2mm

diameter. Then position the shield and mark out the holes on the shield lip. Remove the shield and examine the marked-out positions. If the marked-out positions are not well spaced, too close to the edge, or crooked, then repeat this step until you are satisfied that the installation will be neat and functional.

Note: Please take care with the above. Having these holes even, centred and straight with the edge of the shield will make the whole job look professional.



Fig. 3 Marking out holes in the switch panel shield

3. Centre punch and drill the holes for the front of the shield in the *shield* lip. If you are using the supplied pan head self-tapping screws, then drill 3mm dia holes for tapping. The self-tapping screws supplied will screw into these holes making their own thread.
4. Offer up the shield again and mount the shield at the front holes using the self-tapping screws.

5. Then, for the rear holes (predrilled in the shield), mark out the position of the holes on the underside of the parcel shelf near where the main harness goes through into the speedometer area.

Remove the shield and drill the holes to suit the two short self-tapping screws supplied using a 3mm dia drill. These holes should pass through the parcel shelf into the rear space behind the parcel shelf backing trim. Limit the travel of the drill bit so that the drill does not damage any vehicle wiring on the other side or get caught up in the underfelt.

6. Fit the shield using all four screws and make sure that there are no pinched wires or other problems.



Fig. 4 Installing rear screws.

Note: If you take care here, then fitting the MINITRON and shield will be straightforward. If you misalign these holes, then it will be very frustrating to fit the mounting screws both front and rear together.

3. Warranty

The Manufacturer hereby warrants this MINITRTON switch shield to be free from defects in materials and/or workmanship for a period of 3 years from date of purchase by the original purchaser.

Our obligation under this Warranty is limited to repairing or replacing faulty parts or materials and does not extend to consequential loss, damage or injury arising from the use of the device. The rights and conditions under this Warranty are additional to any rights that may be conferred under the NSW Consumer law.

This Warranty does not cover faults that are due to misuse, abuse, negligence, accident. Also excluded are faults arising from unauthorised repair, installation and use not according to instructions, and normal wear and tear.

Returns under Warranty must be freight-prepaid and must be accompanied by proof of the purchase date.

4. Disclaimers

Great care has gone into the design and manufacture of this product so as to provide the best possible security and safety for your vehicle. However, due to the wide range of operating conditions and circumstances that might be encountered during service, the manufacturer or retailer does not guarantee your car against theft even if the MINITRON Switch Shield is fitted and functioning correctly.

5. Conditions

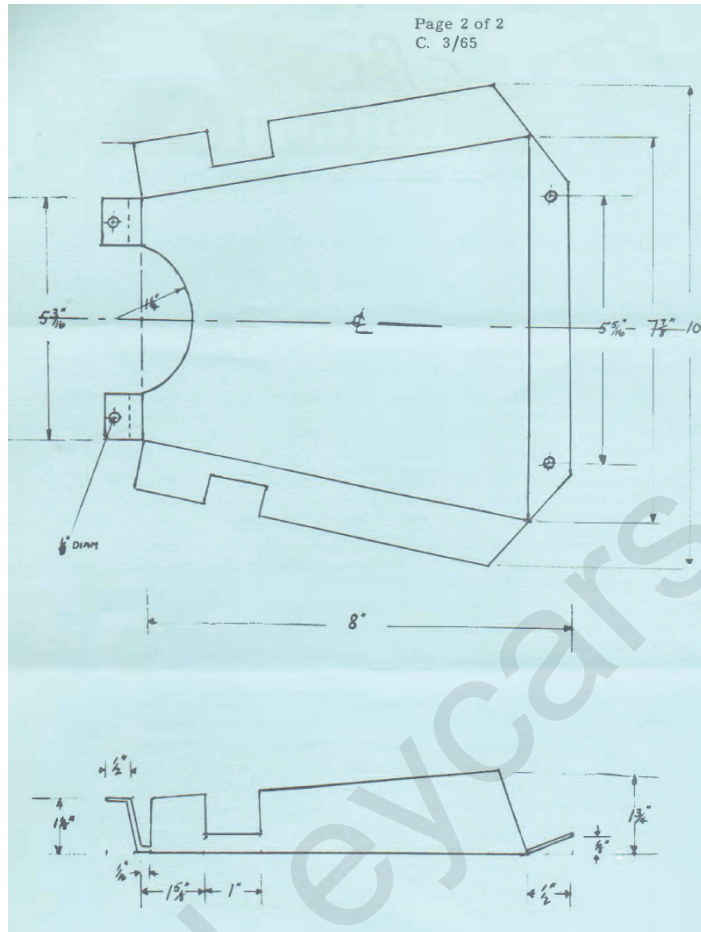
The fitting and usage instructions must be followed. Altering the product or not adhering to the fitting instructions will void the warranty.

Fitment and use of the MINITRON switch shield signifies your acceptance of the above conditions.

Appendix

Extract from Service Bulletin C3/65 Anti-theft device.

A further device to eliminatethe possibility of jumping the ignition switch from under the switch carrier panel can be made from the accompanying drawing and fitted with self tapping screws.



Designed and manufactured in Australia by:

Fischer-Cripps Laboratories Pty Ltd
PO Box 9 Forestville NSW 2087 Australia

mail@leylandaustralia.com.au
www.leylandaustralia.com.au/minitron.htm

MINITRON® is a registered trademark.

Leycars