

## MORRIS MINOR REVERSE SWITCH KIT (Suitable for 'Minor 1000' models only, 56-71)



### FITTING INSTRUCTIONS

#### INTRODUCTION

Thank you for purchasing the reverse light switch. The switch can be used for the activation of a reversing light and/or a reversing camera. It is recommended that a relay (not supplied) be incorporated into the circuit to protect the internal contacts in the switch. (See suggested wiring diagram).

**THIS KIT IS ONLY SUITABLE FOR THE '1000' MODELS (ie the 948cc and 1098cc CARS) & other 'A' series gearboxes**

#### PARTS IN THE KIT

Replacement reverse plunger plug bolt, plastic contact cap and brass push rod.

#### INSTALLATION

The switch unit is designed to replace the reverse plunger plug in the rear of the remote extension on the gearbox. The gearbox does not have to be removed or dismantled to install this item. The original plug is simply replaced with the new plug supplied, together with the brass push rod. It is a single-contact switch which will connect to vehicle earth when activated.

**This operation should be carried out by a competent person with the necessary skills required to complete the task safely and to an acceptable standard of finish.**

#### Tools required:

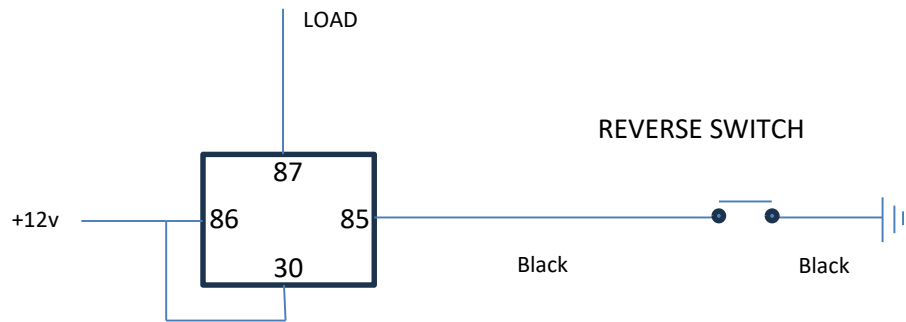
Spanners, Multimeter, Allen (hex) Keys, Small Phillips screwdriver

- (1) Remove the gearknob and the rubber gaiter and ring which is held on with 6 screws.
- (2) Cut the locking wire (if present) and remove from the reverse plunger plug.
- (3) Unscrew and carefully withdraw the plug, spring and ball bearing. A small magnetic tipped tool is useful for this. Retain the spring and ball bearing. You may wish to clean out and replace the old grease from the inside of the hole in the gearbox. The original plug may be retained for possible future replacement.
- (4) Slide the spring over the brass push rod supplied and stick the ball bearing to the wider end of the rod with a little grease (to hold it in place).
- (5) Thread the assembly into the new plug bolt and carefully reinsert into the gearbox and screw the bolt up tight. (Don't use a washer). You can use Blue Loctite (243) if concerned about the bolt coming undone.
- (6) Fit the new plastic cap over the new bolt head making sure the cut-out for the wire in the bolt head is aligned with the wire in the plastic cap.
- (7) Test the unit with a multimeter on the 'continuity' setting. With a probe on the black wire to the switch and the other to earth- you should get an earth short reading when reverse is selected. The unit has been set up approximately in the correct position, but it can be adjusted to suit by winding the central Allen screw in or out so that there is just positive contact when reverse is selected. The contact tip has a spring loaded ball bearing so there is a little 'give' when contact is made. This should permit a reliable contact to be made. Gently tighten the 5mm external locknut whilst holding the Allen key in the central contact.
- (8) When you are happy with the activation, tighten the small fixing screw with a small Allen key to secure the plastic cap to the bolt head. This is to prevent the cap from moving away after repeated reverse selections.
- (9) Extend the wiring to the desired location making sure it is clear of moving parts and adequately secured using cable ties etc.
- (10) Replace the gaiter and gear knob.

**ADDITIONAL INFORMATION**

In the event of any problems or queries, please contact [brian.wood@dorsetmmoc.co.uk](mailto:brian.wood@dorsetmmoc.co.uk)

It is recommended that the reverse switch be used to activate a relay (14v 5pin 40 Amp) from which, the reversing light and/or rear-view camera may be activated



SUGGESTED WIRING DIAGRAM

