Fitting Windscreen Wipers:

The fitment of a fixed windscreen carries a legal requirement to fit washers and wipers. Courtesy of Charlie Killick three key points in respect of wipers are detailed below.

1. Fit three wiper spindles (it looks better and gives a larger sweep).
2. Use MG Midget LHD wiper arms; and
3. Fit the wiper motor on the left hand side of the car (this enables you to fit a wiper motor without disturbing the rat's nest of wiring on the right hand side).
4. I decided to comply with recommendations 2. and 3.

Wiper spindle hole positions:
I decided to simply mirror image the hole positions of the right hand side wiper set-up (shown in the original Build Instructions). I made the holes by drilling M3 then M6 and following up with a cone drill. Once the holes are made you need to angle them to take the wiper spindles, I used a large round file.

Wiper mechanism parts:
From the MGB Hive.
- £53.95 = Two speed 14W wiper motor (note it doesn't include the drive gear as these are standard motors and there are many different drive gears available).
- £9.95 = Wiper motor loom.
- £5.95 = Motor clamp.
- £1.85 = Wiper motor mounting pad.
- £9.95 = Wiper rack (cable).
- £21.95 = Wiper Tube. (This is a single long length with a flare at each end and a captive nut for connecting to the motor.
- £49.00 = Two long wiper wheel boxes.
- £10.50 = Two chromed angled bezels.
- £19.75 = Two function toggle switch.

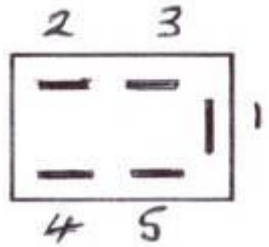
From the MGB owners Club:
- £55.90 = Two LHD wiper arms and blades.
- £10.90 = Two wheel box spacers Part Number AHH5414B

From Staffordshire Vehicle Components:
- £46.50 = A 90 degree self parking gear and post for the 14W wiper motor.

Wiring the wiper motor:
The Lucas 14W is a two speed self parking motor and to function correctly it needs wiring correctly. For ease I fitted a 6-way socket to the end of the wiper motor short loom.

6-way socket fitted.

Wiring the two function switch:

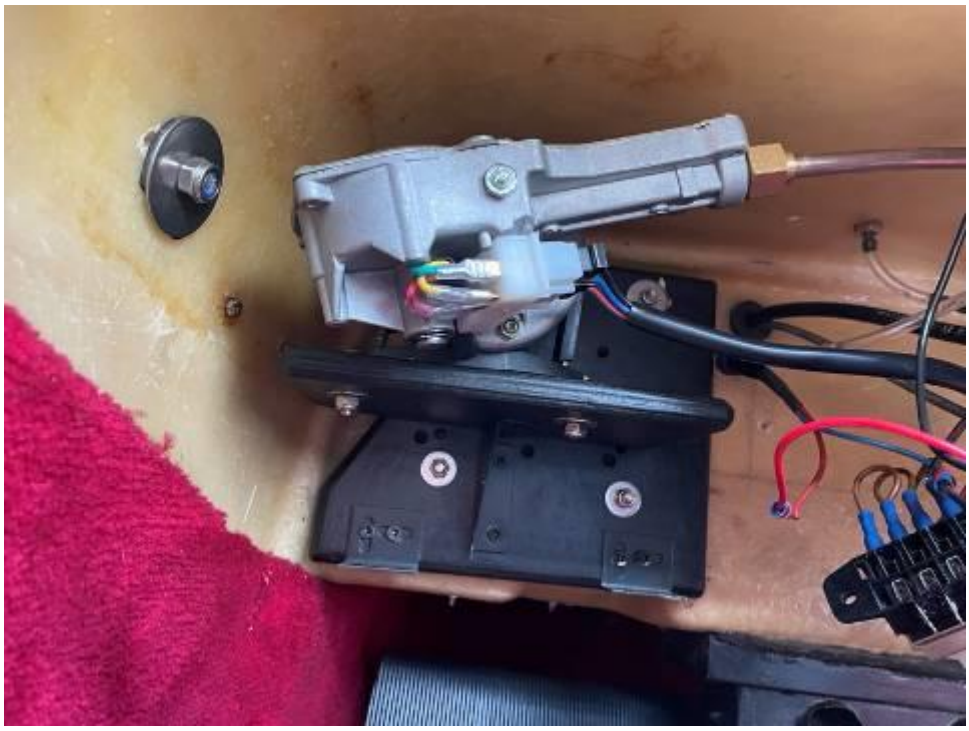
	**1** - To earth. **2** – To terminal 5/6. **3** – To terminal 8. **4** – To terminal 3/4. **5** – To terminal 2. A power supply also connects to terminal 3/4.
Socket on wiper motor.	**Connections on wiper toggle switch**

Making the wiper motor bracket:
The first job was to remove Cracker's glove box and make up a plywood mounting bracket (photo).

The bracket is secured to the bulkhead with M6 stainless fastenings. The two small metal brackets locate the forward end of the glove box base panel.

Making the wiper rack tubes:
As purchased the tube is a single length and needs cutting into three separate pieces flared at both ends. The neatest way to make the flares is with a universal brake pipe flaring tool as in the photo below.

The finished rack assembly ready for fitting, note the angled spacers on the spindles.



The wiper motor in position.

To finish bolt everything into place and operate the spindles through a few cycles then park (bear in mind that the first cable movement from park is push-not-pull). Trial fit the wiper arms and make a note of how much further bending the end of the arm needs to correctly locate the blades. Bend the arms and fit the arms and blades in the correct (Park) position.

Alan Myland