



## JET- WASH WIPER BLADE AND ARM FITTING INSTRUCTIONS

Prop open the bonnet using your usual method. If this is by using the washer bottle propped up on the radiator then do this.

We sell a bonnet stay kit that alleviates this and works much nicer.

[http://www.eliseparts.com/shop/index.php?main\\_page=product\\_info&products\\_id=523](http://www.eliseparts.com/shop/index.php?main_page=product_info&products_id=523)

Mark the wiper blade resting location with some masking tape or similar on the windscreen.

Make 100% sure the wiper is at the full rest position and the wipers and ignition are switched off.

Remove the M8 bolt securing the wiper arm to the wiper spigot (13mm socket) and remove the complete arm and blade in one piece.

You may need to wiggle the arm where it is pressed onto to the spigot as they sometimes corrode in place.

Replace your old clear plastic washer tube with the new one supplied and route the tube neatly towards the bulkhead.

Make sure it is clear of all moving parts especially the wiper mechanism.

I find dipping the tube in boiling water for 5 seconds enables easier fitment over the washer motor outlet.

Drill a pilot hole with a 4mm drill bit exactly where shown in the picture below as this will alleviate too much pull on the rubber hose during the sweep of the wiper arm. Be gentle as the wiper motor bracket is only 20mm behind this hole.

Enlarge the pilot hole with a 9.5mm drill bit.

Insert the rubber grommet into the hole as shown.

Spray a very small amount of WD40 (or similar) on the outside rubber hose to ease it through the grommet.

Push about 30cm of hose through the grommet ready to join to the new clear plastic hose with the new joiner provided.

The new blade and arm are already connected together; we have included pictures to make sure all is correctly fitted.

It is fitted correctly once the blade feels securely clipped in place on the arm as shown.

Locate the arm in the same orientation of the original using the new M8 x 20mm stainless steel button head bolt provided.

**NB\*** It is most important that the sweep of the arm is symmetrical i.e. the same each side.

If not, there could be a tendency for the bottom of the arm to come into contact with the bonnet.

If this happens, simply remove and re-fit the arm 2 or 3° in the direction where it does not touch the bonnet.

If it still does, the only other cause could be the bonnet and/or clamshell is incorrectly located.

### **VERY IMPORTANT**

Make 100% sure the pivot part of the wiper arm will not come into contact with your bonnet PRIOR to switching the wipers on full speed. Ideally use 2 or 3 layers of masking tape where the arm may touch the bonnet when adjusting the sweep. At most, switch the wipers on just ONE sweep at a time to adjust until you are happy with the gap.

From the factory the clamshell has at least a 4mm gap between the corners and the windscreen.

If yours is less than this it probably has been removed at some stage and re-fitted incorrectly.

If it touches on both the LH & RH sweep your bonnet requires adjusting forwards by a few mm.

To do this, mark original location with a marker pen, loosen the three bolts (as shown in the picture) by one turn only, as the bonnet will only require a few mm of movement. (10mm socket required).

Once you have moved the bonnet, make sure it opens and closes without rubbing the front clamshell.

If you need to move the bonnet more than a few mm you will need to adjust the bonnet catch.

Move it the same amount as the bonnet by loosening the 2 x Allen head screws.

Once satisfied, close the bonnet and try again. Adjust as necessary.

Make sure rubber hose will not rub against the windscreen or bonnet.

You can remove the original washer jets if you like or even join the pipe using a "T" piece and have both working.

If you do remove the original jets (M8 nuts underneath) use 2 x grommets to fill the holes left behind.

Use cable ties LOOSELY where necessary, do not over tighten as this will obstruct the tube.

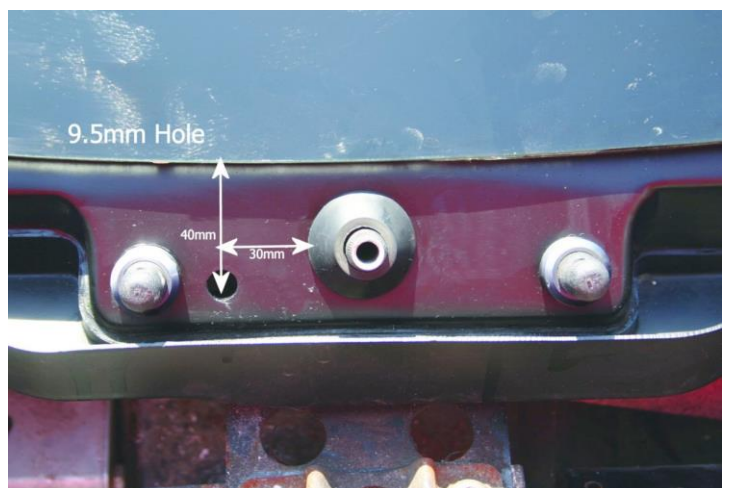
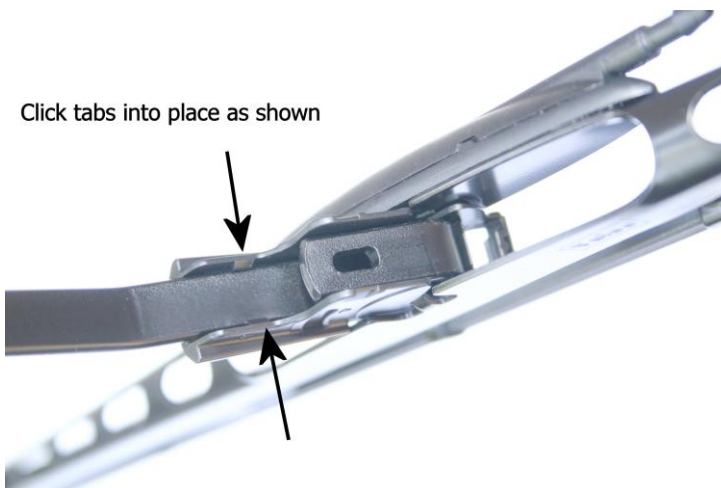
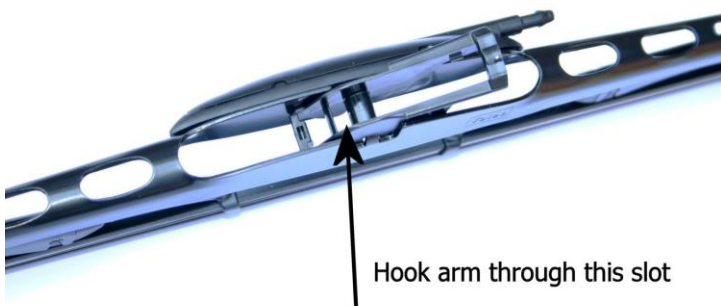
For the best results we would recommend a good screen sealant, such as **Rain X** for the outside or **Fog X** for the inside.

## Fitting Kit ( Pre built up)

- 1 x Wiper Arm
- 1 x Wiper Blade
- 30cm Neoprene Tubing
- 2 x Heat shrink tubes
- 40cm of clear plastic tubing
- 1 Plastic joiner
- 2 x Rubber grommets
- 1 x M8 x 25 button head Allen screw

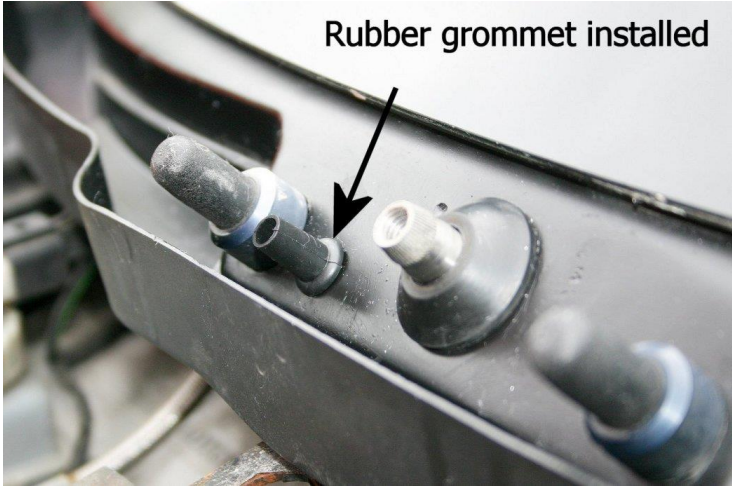
## Tools required

- Electric drill
- 4mm drill bit
- 9.5 mm drill bit
- 5mm Allen key
- 13mm socket & ratchet





Rubber grommet installed



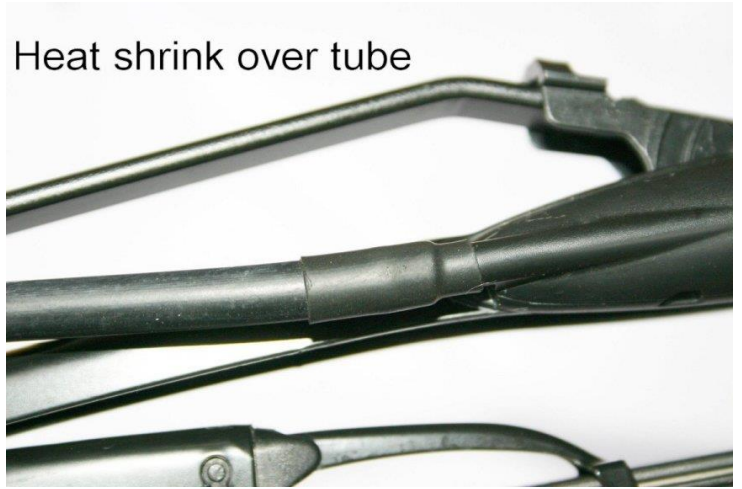
Hose through wiper arm



Hose located under spring



Heat shrink over tube



Heat shrink over tube

