GROUP SIX

1st Edition

| | | | | LIGHTS |
|--------------------------|------------|----------------------------|----------------------------|----------|
| Contants of this group | | | | |
| Contents of this group:- | 6:1 6:2 | K3601 121AA K3601 122AB | TAIL LIGHTS HEAD LIGHTS | |
| | 6:3 | K3601 123AB | WIRING | |
| | 6:4 | K3601 125AB | WIRING AND SWITCHES | |
| | 6:5 | K3601 124AA | INDICATOR PILOT LIGHTS | |
| | | | | \wedge |
| | | | | |
| Tools required for asse | mblv of | this aroup: - | 1 | K Y |

| Tools required fo | r assembly of this group | :- | | |
|-----------------------------|--------------------------|-----|----------------------------------|----|
| 8mm Spanner 10mm Spanner | 1 22mm | 1 | Masking tabe 1 Spirit level 1 | |
| 10mm Spanner | | | Spirit level 1 | |
| 3.5mm Drill Bit | 1 Side | 1 | Measuring tape 1 Plumbline 1 | |
| 5.2mm Drill Bit | 1 Craftsman | 1 | Plumbline 1 | |
| Drill Machine | 1 | | | |
| | | | | |
| | | | K3601121AA TAIL LIGHTS | |
| | K3601122AB HEAD LIGH | -TS | | |
| | | | K3601124AA INDICATOR PILOTUGH | ПS |
| | | | | |

6:1 TAIL LIGHT - K3601121AA

| Com | ponents in this assembly | Qty | Part Number | |
|-----|--------------------------|-----|-------------|--|
| i | Reflector | 2 | B5451139AA | |
| ii | Tail light assembly | 2 | M3501014AA | |

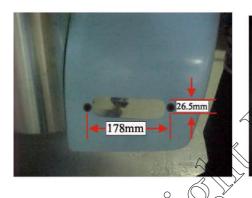
Tail light fitting Procedure _

1. Using a 5.2mm drill bit, drill holes on the tail light mounting section of the right hand mudguard using below illustration as a guide.

| 2. Remove nuts and washers from | |
|--|--|
| tail light assembly (ii) mounting | |
| bolts. | |

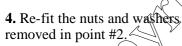
mounting bolts

3. Slide tail light into the cut-out on the mudguard with the mounting bolts fitting into the holes drilled in point #1. Indicator lens should be to the outside of the mudguard.













5. Using the spirit level to ensure that the tail light is horizontal as illustrated below. A slight modification of the holes drilled in point #1 may be required if the absolute horizontal position of the tail light cannot be obtained. Torque





It is recommended that the inside of the fender wheel arch and cladding is coated with a good quality rubberised

undercarriage coating to absorb any stones or road debris from damaging the fender or cladding.



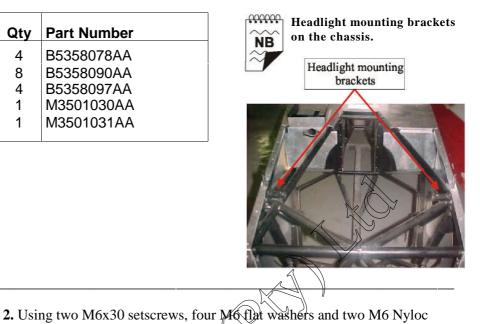
Tail light fitting Procedure continue ____

6. Feed the tail light harness through the grommet mounted on the chassis. Using the 4 pin plug supplied in Group 6 Wiring kit (K3601 123AB), connect the harness of the taillight to the main harness. You need to ensure that the colours of the wires correspond on either side of the 4 pin plug.

| 7. Repeat steps 1 - 6 for the Left hand side of the vehicle. | |
|--|--|
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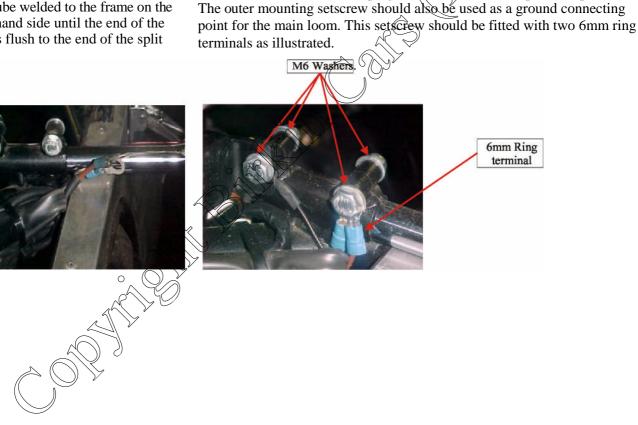
6:2 HEAD LIGHT - K3601122AB

| Со | nponents in this assembly | Qty | Part Number |
|-----|---------------------------|-----|-------------|
| i | Nut M6 Nyloc | 4 | B5358078AA |
| ii | Washer 6mm flat | 8 | B5358090AA |
| iii | Setscrew M6 x 30 | 4 | B5358097AA |
| iv | Headlight kit L/H | 1 | M3501030AA |
| v | Headlight kit R/H | 1 | M3501031AA |
| | - | | |



Head light Procedure

1. Slide the tube of the right hand headlamp mounting bracket into the split tube welded to the frame on the right hand side until the end of the tube is flush to the end of the split tube.



nuts, insert into the two clamping tubes welded at the top of the split tube.

3. Using a straight edge, ensure that the head lamp mounting bracket is parallel to the top frame member.

4. Connect the headlight harness to the mating connector from the main harness ensuring the colours of the

5. Repeat steps 1 -4 with the clamping tube on the left hand side.

Torque setscrews to 11Nm.

wires correspond.

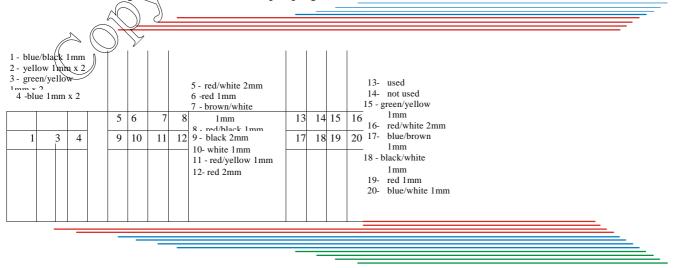


| Comp | onents in this assembly | Qty | Part Number |
|-------|--------------------------------|------|-------------|
| i | Washer 3mm rivet | 2 | B5358093AA |
| ii | Rivet AS 3212 | 2 | B5358095AA |
| iii | Capscrew M5 x 10 | 2 | B5358252AA |
| iv | Nut M5 Nyloc | 2 | B5358089AA |
| v | Washer 5mm x 10 flat | 4 | B5358094AA |
| vi | Fuse link | 1 | B5451128AA |
| vii | Fuse 40AMP | 1 | B5451129AA |
| viii | Sleeving 4mm PVC | 1 | B5451315AA |
| ix | Sleeving 6mm PVC | 1 | B5451317AA |
| x | Cable tie | 10 | B5451366AA |
| xi | Terminal female 6.3 | 9 | B5451403AA |
| xii | Terminal male 6.3 | 1 | B5451424AA |
| xiii | Plug male 4 pin | 2 | B5451495AA |
| xiv | Plug male 1 pin | 1 | B5451497AA |
| XV | Plug female 1 pin | 1 | B5451500AA |
| xvi | Audible warning device | 1 | B5451587AA |
| xvii | Plug male 8 pin | 3 | B5451795AA |
| xviii | Terminals 15 pin | 3 | B5451791AA |
| xix | ECU Mounting bracket | 1 ((| M3201 131AA |
| xx | Indicator wiring | 2 | M3501019AA |
| xxi | Brake fluid warning light loom | | M3501039AA |

NB Consult the wiring diagram (found on the last page of this group) when fitting components in this procedure.

8 Pin male plug fitting procedure

1. Fit the male plug 8 pin into the female plug 8 pin (fitted in Group 5) with wire colours matching on either side of the 8 pin plug union.



8 Pin male plug fitting procedure continue

2. The male terminals should fit into 3. The female terminals should fit the female plugs. into the male plugs.



This procedure must be completed prior to the fitting of the scuttle.



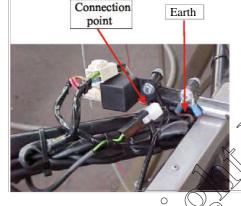


Indicator wiring fitting procedure

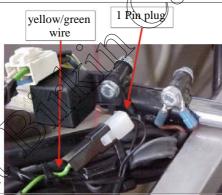
1. Connect indicator wiring to main loom. The connection point is at the headlamp mounting bracket to chassis point. Use a M6 bolt as an earth connection.

2. Connect the 1 pin plug on the indicator loom to the 1 pin plug on the main loom, depending on the side, it will either be a yellow (right hand) or yellow with a green stripe (left hand) wire.

3. Run loom with front brake hose and attach with cable ties. Insert into cycle fender bracket through M6 hole as per illustration.



Remove the mounting bracket of the bracket, near the mounting point of the cycle fender to the bracket.



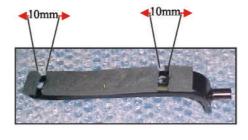
6. Attach 'P' clip to indicator wiring from the fender. Remove a portion of the rubber attached to the bracket as illustrated below.

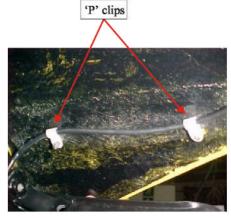
loom exiting top of bracket

cable ties M6 hole

5.

4. The loom will exit at the top loom.

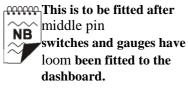




Indicator wiring fitting procedure continue

7. Refit the bracket to the cycle fender. The 'P' clips are located between the fender and bracket.





Black wire should be earth. Red wire should be connected to the

on the indicator switch. Cable tie A.W.D to





Brake fluid warning fight foom fitting procedure



1. Connect female terminals of the

loom on to the reservoirs.

2. Remove the 2 pin plug from the loom and insert through the grommet of the reservoir mounting plate.

3. Fit 2 pin plug back on to the loom and connect to the main loom. 2 x brown and white wires.







6:4 WIRING AND SWITCHES - K3601125AB

| Com | ponents in this assembly | Qty | Part Number | |
|------|--------------------------|-------|-------------|---|
| i | Relay flasher hazard | 2 | B5451111AA | 000000 |
| ii | Relay ign / windscreen | 3 | B5451113AA | All components in this section |
| iii | Relay dip | 1 | B5451114AA | NB are to be litted to the vehicle |
| iv | Switch headlight | 1 | B5451 127AA | before the scuttle is finally fitted. |
| v | Fuse box | 2 | B5451130AA | Ittea. |
| vi | Switch wiper | 1 | B5451 132AA | |
| vii | Cable tie 8" | 20 | B5451 180AA | Remove the connector relay |
| viii | Switch hazard | 1 | B5451220AA | NB from the mounting plate. |
| ix | Fuse 15AMP | 8 | B5451257AA | |
| x | Fuse 25AMP | 4 | B5451258AA | |
| xi | Sleeving 4mm PVC | 0.70m | B5451315AA | |
| xii | Wire 2mm red | 0.75m | B5451442AA | |
| xiii | Wire for hazard switch | 1 | M3501018AA | \sim \vee |
| L | | | | |

Relay hazard flasher fitting procedure _

The relay from the third and fifth connector has three pins and is used for two purposes:

- i) Hazard wiring circuit
- ii) Indicator wiring circuit

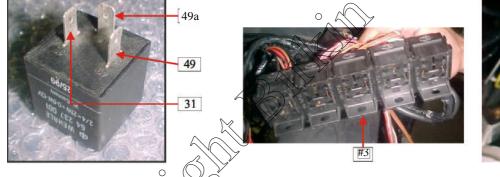
HAZARD WIRING CIRCUIT:

1. The wires need to fit into the third connector.

49 - Red/White wire (from fuseboo)

49a - Grey wire (from the bazard switch) 31 - Brown wire (ground) matching the colour of the wire with the correct pin on the relay.

2. Insert wiring into the connector

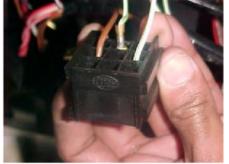




INDICATOR WIRING CIRCUTT: 2. Insert wiring into the connector matching the colour of the wire with 1. The wires need to fit into the fifth the correct pin on the relay.

connector. 49 - White Green (from the hazard switch) 49a - Green White (from indicator switch) 31- Brown (ground)





Relay ignition / windscreen fitting procedure

The relay from the first, second and fourth connector has five connecting pins and is used for three purposes:

i) Ignition wiring circuit

ii) Headlamp wiring circuit 86 iii) Heated windscreen wiring 87 circuit 30 87a 85 30C 2mm Black wire 00000 **IGNITION WIRING CIRCUIT:** 2. Insert wiring into the connector 1. The wires need to fit into the first matching the colour of the wire with NB 85 - Brown wire the correct pin on the relay. connector. 86 - 1mm Black wire 87 - Double wire Red/Black and **Red/White wire** #1 HEADLIGHT WIRING CIRCUIT: 2. Insert wiring into the connector 30 - Red/Black wire matching the colour of the wire with - Brown wire 1. The wires need to fit into the the correct pin on the relay. 86 second connector. Black/White wire 87 -White wire





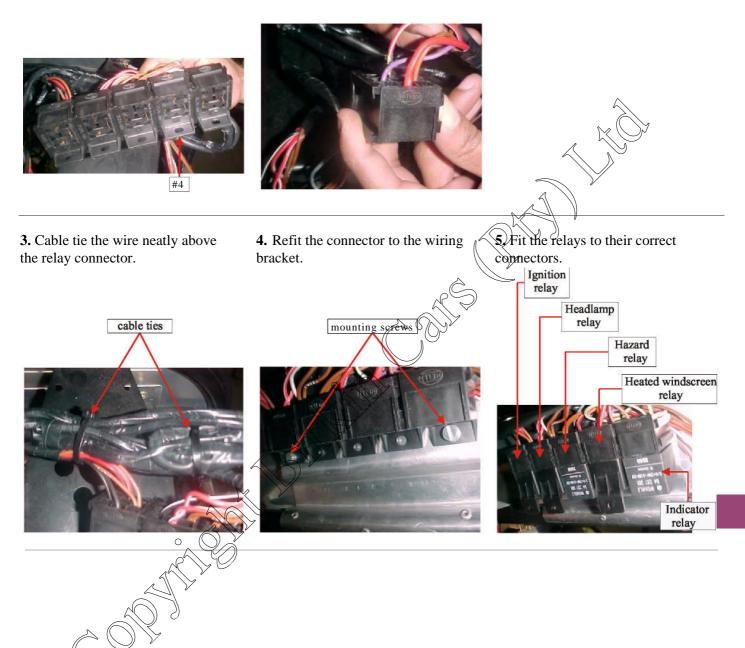
HEATED WINDSCREEN WIRING CIRCUIT:

1. The wires need to fit into the fourth connector.

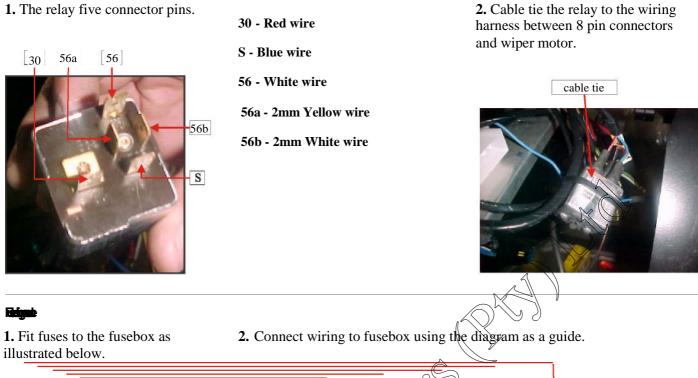
2. Insert wiring into the connector matching the colour of the wire with the correct pin on the relay.

30 - Red wire 85 - Brown wire

86 - Purple wire 87 - Red / White wire



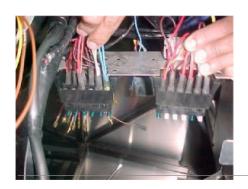
Relay dip fitting procedure



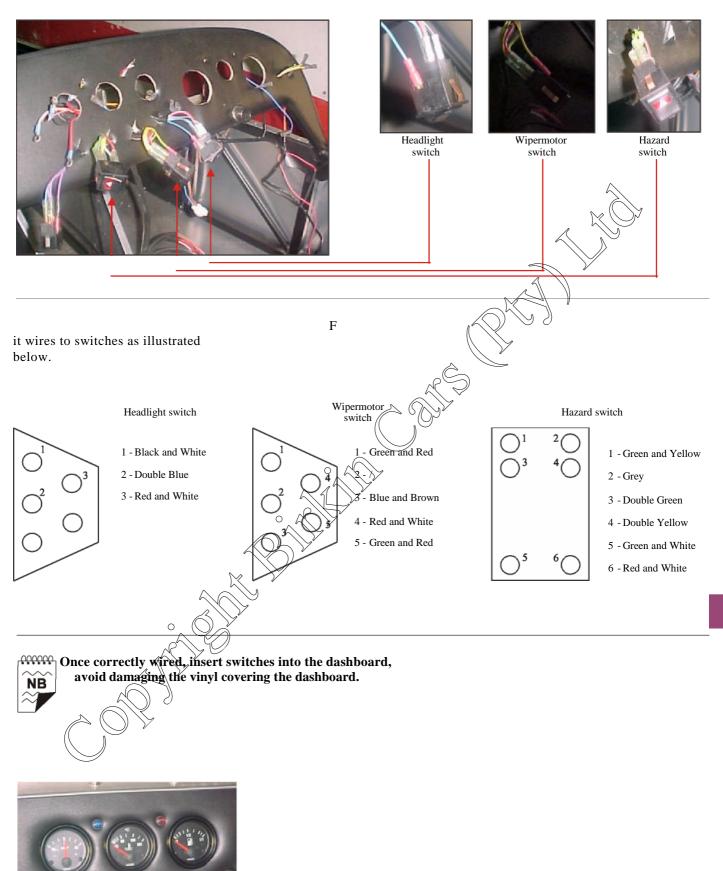
| windscreen washer gauges | wiper/ heater | brake fluid warning reserve (light | dip light and indicator | rear fog | fuel pump ECU (+) | | |
|--------------------------------|--|--|-------------------------------|-----------------------|---------------------------------------|--------------------------|--|
| 15 AMPS I | 15 AMPS DOUBLE WHINE AND RED | 15 AMPS BLACK/ WHITE BLUE/ BLACK | 15 AMPS RED/ WHITE | 15 AMPS 1mm RED | ignition 15 AMPS 1mm RED | | |
| | \neq | 25 AMPS YELLOW | | WHITE | 25 AMPS RED/ GREY | 25 AMPS RED/ BLACK | 15 AMPS RED/ YELLOW RED/ WHITE |
| >> > | | high beam | low beam | headlights l | orake lights ra heated w/screen | d cooling fan | hooter/ hazards |

3. Fit the fusebox to the mounting plate using four 5mm screws, eight 5mm washers and four 5mm Nyloc nuts.

4. Cable tie the wires neatly.



Switch fitting procedure



6:5 INDICATOR PILOT LIGHT - K3601124AA

| | Part Number | Qty | ponents in this assembly | Com |
|---|--|------------------|---|----------------------|
| | B5358005AA B5358105AA B5358106AA B5451327AA | 8 4 4 1 | Washer 3mm flat Screw M3 x 20 Nut M3 E/Gal Lamps indicator | i ii iii iv |
| | | | | |
|) | A A A | | | |

1. Stick masking tape on the outside 2. With a plumbline and pen, mark edge of both cycle fenders directly above the centre of the wheel hub.

the masking tape directly over the centre of the wheel hub.

3. Remove the lens from both indicator lights.



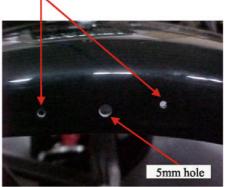
4. Place the indicator fitting so that the line drawn on the masking tape is in the middle. Mark the two mounting holes and a hole in the middle of the



indicator fitting for the loom to pass through.

5. Drill two 3mm holes for mounting the indicator to the fender and one for the 5mm hole for the loom to pass through.







3mm holes

6. Feed the loom through and strip away excess out loom tubing to expose two black wires. Allow only 30mm of black wire to protrude the fender. Cut away any excess. Strip about 5mm of insulation from the ends of the wire.

0

Indicator pilot light fitting procedure continue_

7. Secure one wire to the left clamp **8.** Solder remaining wire to the right **9.** Fit the light bulb and mount the terminal. light to the fender with the M3 x 20 screws (ii), M3 E/Gal nuts (iii) and 3mm flat washers (i) with

