

# JUST HISTORIC CARS

*...reviving motoring history*

Mr Adrian Beal  
 Flat 1 BolsoverCourt  
 19 Bolsover Road  
 Eastbourne  
 East Sussex  
 BN20 7JG

**Invoice** **1900**  
 Invoice Date: 19/10/2020  
 Account No: BEA002  
 Order Ref:  
 Date of Work 05/10/2020  
 Payment Date: Unpaid  
 Payment Method:

| Registration | Make   | Model  | Colour | Mileage |
|--------------|--------|--------|--------|---------|
| GGB 178N     | Jaguar | E Type | Yellow |         |

Address customer noted problems as follows:

- 1) **Fault find the problem, and fix, the issue of the brakes sticking on when the car is warm. I have noticed that the break pedal stays down. The brakes can stick on for 10-15 seconds so must be wearing out the shoes.** - Removed the battery to gain access to the master cylinder reaction valve. Took off the valve, then stripped it and cleaned out, including the shuttle pin. Reassembled and put back into place. Went for a long road test to get warm, trying all road conditions,(stop/start etc.). Fitted a new brake reservoir fluid level sensor to replace faulty unit.
  
- 2) **Full lighting upgrade. Also check the rocker switches for the headlights and sidelights as the last time I used them they turned on the front of the car but not the lights at the rear. Just turning them off and on again resolved the problem but there is an issue that needs resolving.** - Stripped out the dash, centre console and all the external lamp units and fitted new LED bulbs and some extra associated fittings. Drilled the headlamp units, then fitted grommets to accommodate the replacement H4 bulbs and packs (heat sinks etc.). Had to refit a std. bulb to the oil w/light as an LED would flicker. Refitted the instrument panel, dash and trim panels. Fitted new sidelight and headlamp switches. Adjusted headlight aim.
  
- 3) **The funny knocking sound still comes from the rear (nearside?) and I suspect that it is simply something like the silencer hitting the underside of the car, but I'm certainly not convinced about that. Please investigate and resolve.** - Traced to N/S door latch. Adjusted and tightened the latch to stop knocking and squeak.
  
- 4) **The car very nearly overheated the other day in a bad traffic jam on the motorway. It was a hot day and I am not sure that the extra fans are coming on reliably. I know that they work but there may be a wiring fault or the mechanism that turns them on may be at fault.** - Ran engine up to temperature to test the operation of the radiator fans finding only the R.H. one was working. Checked through the wiring continuity & connectors for the left hand unit. Found the cable harness had corroded with broken wires. Rewired and then tested again - all now good.

Make and fit new battery earth cable.

| Labour                     | Qty  | Unit  | D | Sub Total |
|----------------------------|------|-------|---|-----------|
| Work carried out as above: | 16.5 | 52.00 |   | 858.00    |

| Parts   | Qty | Unit  | D | Sub Total |
|---|-----|-------|---|-----------|
| Bulb(987)-LED(blue-mes-flat type)-dash/gauges (EA.)           | 1   | 3.06  |   | 3.06      |
| Bulb(987)-LED(green-mes-flat type. -ve.)-dash/gauges (EA.)    | 2   | 2.77  |   | 5.54      |
| Bulb(382)-LED(w/white-21W, -ve.) (EA.)                        | 1   | 9.27  |   | 9.27      |
| Bulb(382)-LED(amber-ba, -ve.)-indicators (EA.)                | 4   | 11.60 |   | 46.40     |
| Bulb(233/989)-LED(w/white-bay)-s/light, dash, clock, int.lamp | 5   | 3.59  |   | 17.95     |
| Bulb(987)-LED(warm white-mes, -ve.)-dash/gauges (EA.)         | 12  | 3.05  |   | 36.60     |
| Bulb(H4)-LED(w/white-Pr.)-h/lamp, hi/lo beam (P/PR.)          | 1   | 75.78 |   | 75.78     |

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|   |     |       |  |       |
|---|-----|-------|--|-------|
| Bulb(281)-LED(warm white-mcc)-dash/switch w/lamp (EA.)          | 9   | 2.98  |  | 26.82 |
| Relay(electronic, with oe "click", -ve.)-ind.hazard (EA.)       | 2   | 12.75 |  | 25.50 |
| Bulb(380)-LED(red-21/5W-bay, -ve.)-stop/tail (EA.)              | 2   | 9.29  |  | 18.58 |
| Bulb(273)-LED(w/white-festoon-42mm) (EA.)                       | 2   | 5.41  |  | 10.82 |
| Cap/Sender(level sensor)-brake fluid res. E.S.1/2/3 (EA.)       | 1   | 28.43 |  | 28.43 |
| carriage@cost-cap/sender to JHC                                 | 1   | 5.00  |  | 5.00  |
| Bulb(380)-LED(bay.-amber-USA)-side/indicator (EA.)              | 2   | 12.50 |  | 25.00 |
| Switch(rocker type-107SA)-side lights E.S.11/2,2,3 XJ S.1 (EA.) | 1   | 22.61 |  | 22.61 |
| Switch(rocker type)-head lamps E.S.11/2,2.3 (EA.)               | 1   | 23.75 |  | 23.75 |
| carriage@cost-light switches to JHC                             | 1   | 10.00 |  | 10.00 |
| Consumables inc. wiring, connectors, solvents, EPA costs etc    | 1   | 5.25  |  | 5.25  |
| Terminal( -ve., wing nut type)-battery (EA.)                    | 1   | 7.50  |  | 7.50  |
| Cable(322/0.3-25mm-170A Black)-battery (P/M) (10m roll)         | 0.4 | 5.25  |  | 2.10  |

For payment by BACS  
 Natwest Bank account no: 78491177  
 Sort code: 51-70-12  
 Just Historic Cars Ltd

|                 |                 |
|-----------------|-----------------|
| Labour          | 858.00          |
| Parts           | 405.96          |
| <b>SubTotal</b> | <b>1,263.96</b> |
| VAT (20%)       | 252.79          |
| <b>Total</b>    | <b>1,516.75</b> |
| <b>Balance</b>  | <b>1,516.75</b> |