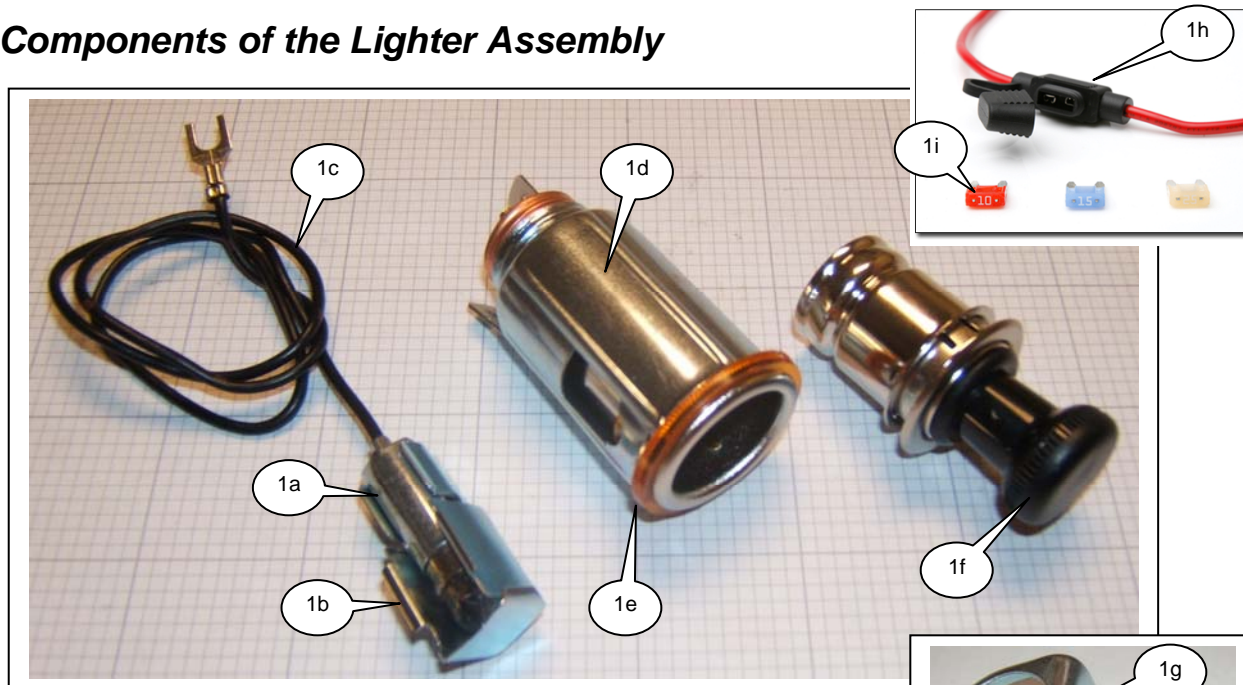


1 **Supplemental Information & Instructions**  
 2 **for**  
 3 **142-270 or AHH7010 Cigarette Lighter**  
 4 **142-271 Bracket, Cigarette Lighter**  
 5 **Austin Healey, MG, Triumph**

6 **Components of the Lighter Assembly**



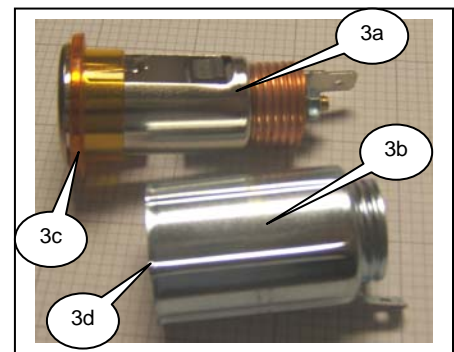
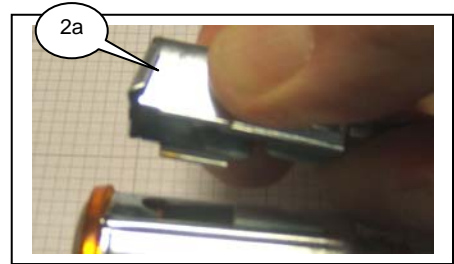
Ref	Item#	Description
1a	NA	Light assembly
1b	NA	Tabs that secure the light housing to the outer shell
1c	NA	Wire, power to the lamp
1d	NA	Outer shell & socket assembly
1e	NA	Illuminated ring (amber) OD 0.964"(24.5 MM) <i>Requires a 1" or 25.4 MM hole in the fascia or mounting bracket</i>
1f	NA	Lighter with knob <b>Not Included, but may be necessary</b>
1g	142-271	Bracket, under dash, for lighter
1h	146-755	In-Line fuse holder
1i	146-810	10 AMP Fuse

27 **About this Cigarette Lighter...**

28 *This is a somewhat generic replacement type cigarette lighter, suitable for use in vehicles that originally*  
 29 *came with a lighter from the factory. It will require a 1" or 25.4 MM hole in the fascia. If your vehicle never*  
 30 *had a lighter, we suggest that you use an under-dash bracket rather than drilling a hole in the dash. A*  
 31 *simple bracket can easily be fabricated. If you prefer, we can supply one. The electrical connections are*  
 32 *relatively simple, but it is important to realize that these instructions are not specific to any vehicle, and*  
 33 *you will have to do a certain amount of improvisation using your copy of the workshop manual and some*  
 34 *common sense. If, after reading these instructions, you have the slightest doubt about your ability to*  
 35 *complete this installation successfully, we suggest that you have the installation done by a professional*  
 36 *mechanic.*

## 37 Instructions

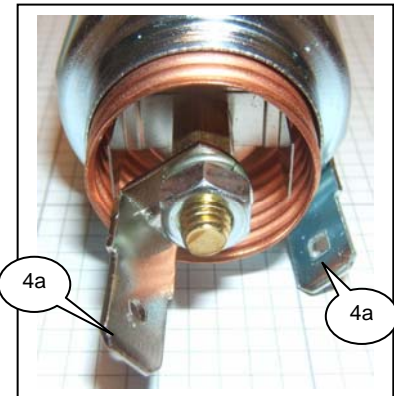
- 38 1. Disconnect the battery ground cable.  
39 2. Remove the lamp assembly (2a) from the side of the outer  
40 shell by squeezing the sides of the lamp housing together  
41 until the tabs on the lamp housing disengage from the  
42 mounting slot in the outer shell.  
43  
44  
45  
46 3. Unscrew the outer shell (3b) from the socket assembly (3a).  
47  
48 4. Place the socket assembly (3a) with the illuminated ring  
49 (3c) through the hole in the fascia panel. *If the vehicle does*  
50 *not have a hole for a cigarette lighter, rather than cutting a*  
51 *hole in an original dash, we suggest that you either*  
52 *fabricate a suitable under-dash bracket, or use the 142-271*  
53 *bracket that we offer. The OD of the illuminated ring (3c)*  
54 *where it passes through the fascia is 0.964" (24.5 MM); it is*  
55 *designed to fit a 1" (25.4 MM) hole.*  
56  
57 5. Hold the socket assembly with the illuminated ring in place in the fascia panel (or the under-dash  
58 bracket) and replace the outer shell, threading it onto the socket assembly. Tighten the outer shell  
59 finger tight – do not over tighten. *Resist the temptation to use a pair of pliers or another tool; that*  
60 *will likely damage the shell.*  
61 6. Re-attach the lamp assembly (2a) the outer shell by pinching the sides of the lamp housing  
62 together until the tabs on the lamp housing fit into the slots in the outer shell.  
63



### 64 The electrical connections

65 Refer to your workshop manual and the factory wiring diagrams for your  
66 vehicle to determine how the original cigarette lighter was wired. If you are  
67 adding this to a car that did not have one, use the wiring diagrams to  
68 identify the panel light and accessory circuits.  
69

- 70 7. Connect the wire from the lamp assembly (1c) to the panel  
71 lighting switch or circuit so that the amber ring (3c) is on when  
72 the instrument panel lamps are on.  
73 8. The power wire to the center terminal (4a) should have 12V  
74 only when the ignition is "on". You may be able to connect a  
75 wire directly to the ignition switch, or you may be able to tie  
76 into an existing accessory wire. If the voltage control box on  
77 your vehicle has a terminal marked A1 or ACC, it may be  
78 easier to connect the wire from the center terminal there.  
79 9. The power to the central terminal should be coming through a fused circuit. If that is not the case,  
80 we urge you to use an in-line fuse holder (like 146-755) with a 10 amp fuse (like 146-810).  
81 10. The shell and socket are normally grounded through the steel dashboard. You can check the  
82 quality of the ground with an OHM meter. If you do not have a good ground, connect a separate  
83 ground wire to the spade terminal on the outer shell (4a). Attach the other end of the wire to the  
84 body or chassis using a convenient screw or bolt behind the dash.  
85 11. Reconnect the battery ground terminal.  
86 12. Test the operation of the light and the lighter itself.  
87



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