Aftersales Bulletin

Area	Service Information
Subject	Aviator Clock Replacement Instructions
Group	61
Reference	25 04 2014 - 01
Published date	06 May 2014
Version	1
Department	Service Operations/JF
Recipients	All Service Managers, Aftersales Managers and Service Technicians of Rolls-Royce Motor Cars Dealers

1. Situation

The following instructions have been created to aid Rolls-Royce technicians with the replacement of the clock in vehicles from the Aviator collection. The original clock must be returned to Goodwood following replacement.

If replacing a clock in a vehicle from the Aviator collection due to a loss of time keeping accuracy, please note that this may be due to magnetic interference created by the centre dashboard audio speaker. A protection set has been created to prevent repeat failures of this kind and should be fitted when the clock is replaced. Please see Parts details for further Parts information.

2. Procedure

Adapting the Aviator Clock for Rolls-Royce

1. Before fitting the clock the black "Elapsed time" knob must be replaced with the Rolls-Royce orange knob. The "Elapsed time" knob can be removed using a small Allen key (0.9mm) as pictured below.

Please note: when replacing the knob, ensure the retaining grub screw is tightened sufficiently to ensure the knob is not able to turn independently from its shaft.

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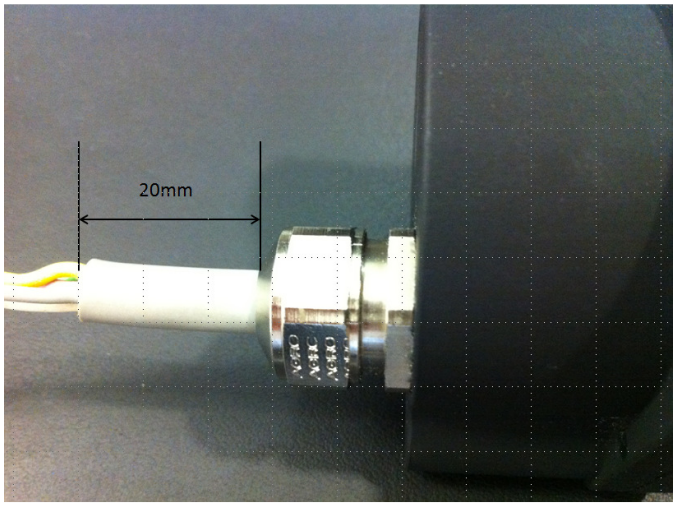
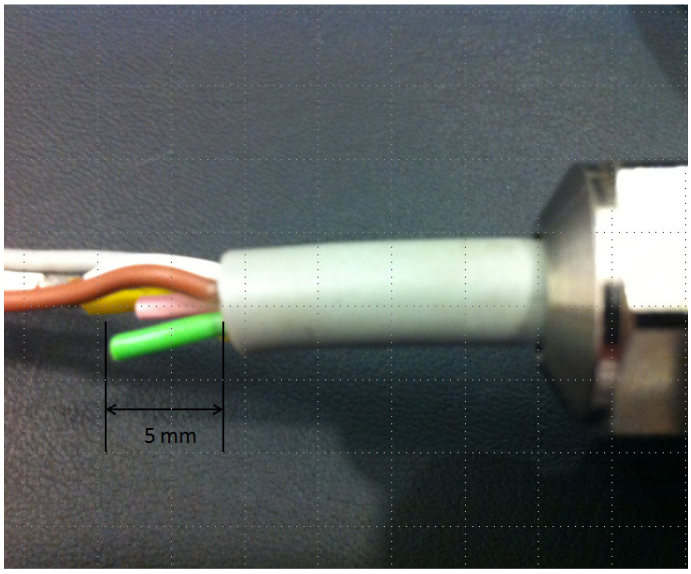
Adapting the Aviator Clock Wiring Harness (New Units Only)

Please note: in the case that a reconditioned clock from the Aviator collection is supplied, the rework to adapt the clock's wiring harness outlined below is not required. The rework detailed is for newly supplied clocks from the Aviator collection only.

1. 20mm away from the clock, carefully cut and slice along the length of the Grey outer cable to open and reveal the inner cables.



2. Cut both the Green cable and the Pink cable 5mm from the 20mm Grey outer cable as shown below.

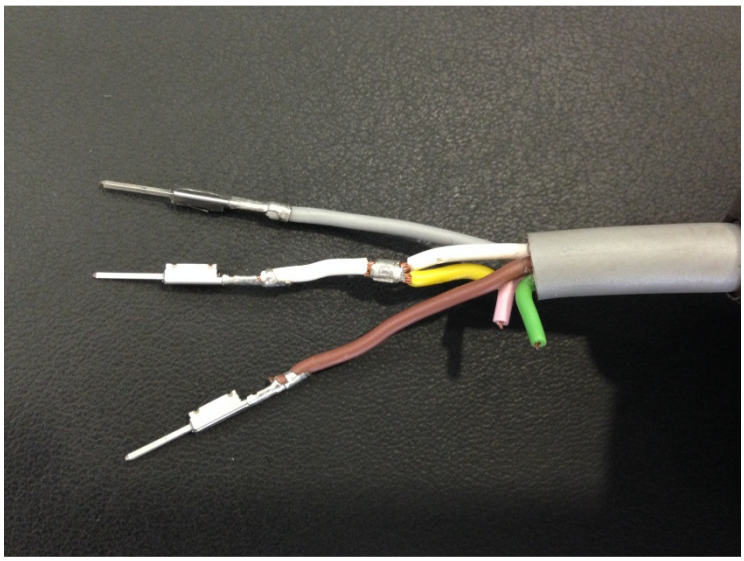


3. Join the Yellow and White ground wires:

Please note: the clock does not conform to normal Rolls-Royce wire colours, the brown wire is KL30.

I) First, to reveal the Yellow ground wire, cut the Yellow cable 20mm away from the end of the Grey outer cable.

II) Then to reveal the White ground wire, cut a 5mm section of the White cable, 20mm from the Grey outer cable.



III) Next, use a suitable wire crimp to join the yellow wire to the white wire as shown above.

IV) Use shrink wrap to insulate the new connection.

4. Connect pin 61 13 1 383 672 to the end of the Grey, White and Brown wires 35mm from the Grey outer cable.

Please note: the pin Part number is not in EPC please see Parts details for information on ordering.

5. Insert the pins into the following slots in outer connector 61 13 6 913 635, which can be taken from the original clock:

Connector pin slot number	Clock wire description
1	-
2	Brown (KL30)
3	White and Yellow crimped wire (KL31)
4	Grey (KL58)
5	-
6	-

6. Before reassembling the clock, check the functionality. The "second's hand" will start to move immediately after being plugged in and the clock back lighting should function when the vehicle headlights are switched on.

Fitting the New Clock to the Vehicle

1. Follow repair instructions in ISTA and remove Function Unit Monitor (FUM) from the vehicle: 65 50 057 Removing and installing/replacing Central Information Display (CID).

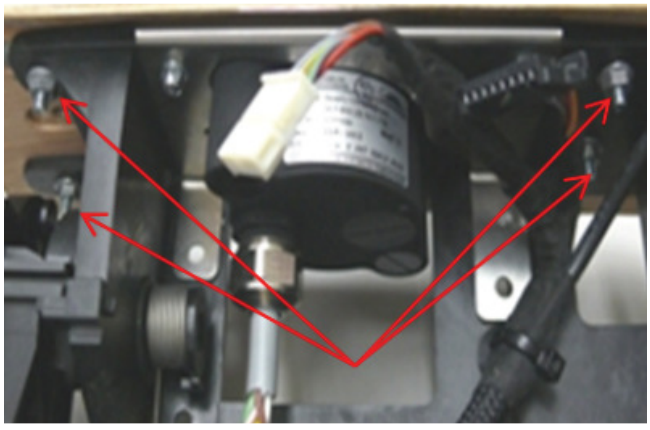
Please note: this instruction differs from the Phantom SI FUM removal.

2. Disconnect the plug connection for the clock and release the pins from the socket housing so it can be fitted to the new clock.

3. Remove the push buttons on the clock by releasing the grub screws.

4. Remove the clock bezel by releasing the two retaining screws.

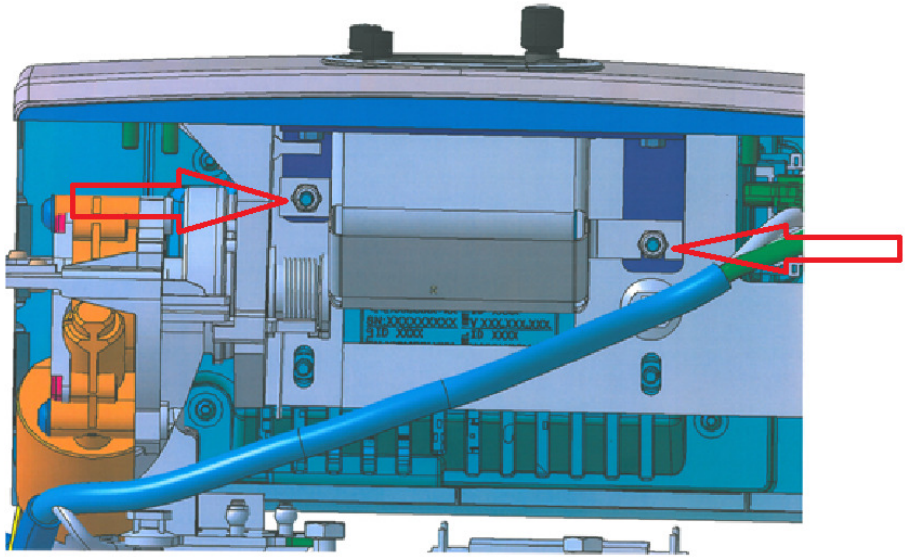
5. Remove the FUM facia plate by releasing the four retaining nuts.

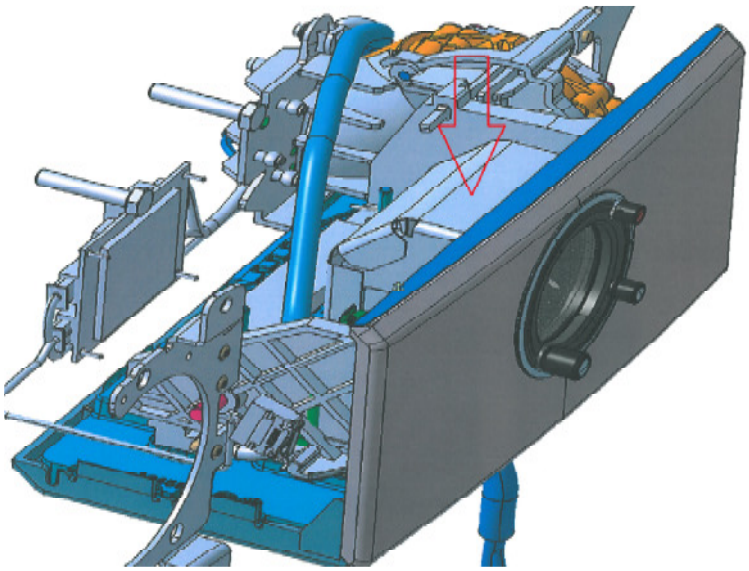


6. Remove the clock from the FUM by releasing the two screws from the clock face held by nuts at the rear.

7. Install the new clock using the removal procedure outlined above in reverse. The only addition is the presence of a protective shield covering the new clock.

Please note: the shield is held in place using the CID retaining nuts (see image below). Before fully tightening any screw connections, ensure the clock and Bezel are centralised in the FUM.

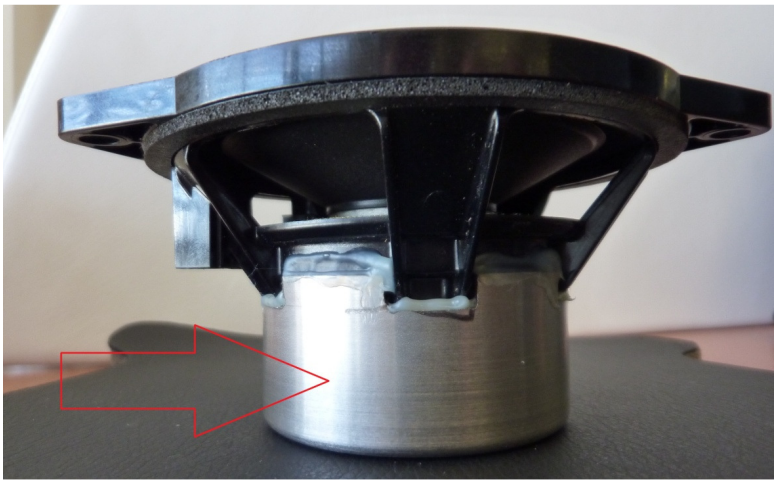




Replacing the Centre Dashboard Speaker

1. Follow ISTA repair instructions: 65 13 060 Removing and installing/renewing speaker (Mid-range speaker in dashboard).

2. Replace the speaker unit with a new unit that is pre-fitted with a protective shield (see image below).



3. Parts details

Please raise a TTS parts PuMA case including the correct chassis number requesting replacement Parts. The original clock will be requested for return to Goodwood.

4. Warranty details

Defect code 62 13 01 12 00

Labour code 61 12 055 - 41 FRU (Replacing Clock)
62 99 000 – 9 FRU (Additional Time)

If you have any further questions regarding the above then please raise a PuMA case.