



## Disassembly Instructions for the Ixion On30 Coffee Pots IOS-CP1 and IOS-CP2

The motor units on the Coffee Pot Nos 1 and 2 are identical.  
These instructions (pages 1-4) apply to both models.

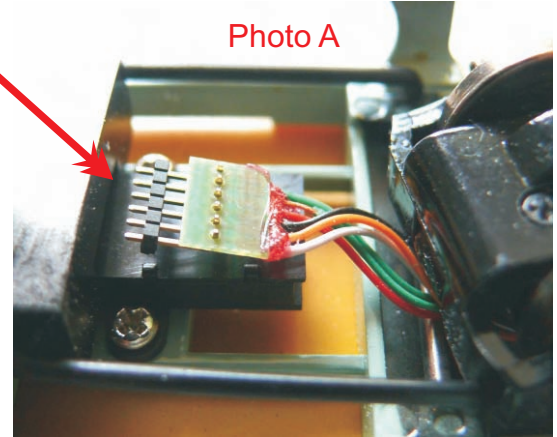
- The Coffee Pots are pre-lubricated when despatched from the factory. Additional lubrication as explained here should be undertaken every six months, or ten hours' running time.
- These instructions explain the process for disassembly of the motor (steam engine) unit of the Coffee Pot to give access to all bearings for lubrication with a **plastic-compatible oil** such as Labelle 107 (other brands are suitable).
- To reassemble the model, simply reverse the order of the disassembly instructions. When sliding the boiler unit back up to the cab, use a pen or similar to hold the pipework out of the way to avoid it being caught behind the boiler, and ensure that the boiler clips securely into the front of the cab (these clips are illustrated in Step 4).

For any further information, please check our website [www.ixionmodels.com](http://www.ixionmodels.com) or email [info@ixionmodels.com](mailto:info@ixionmodels.com)

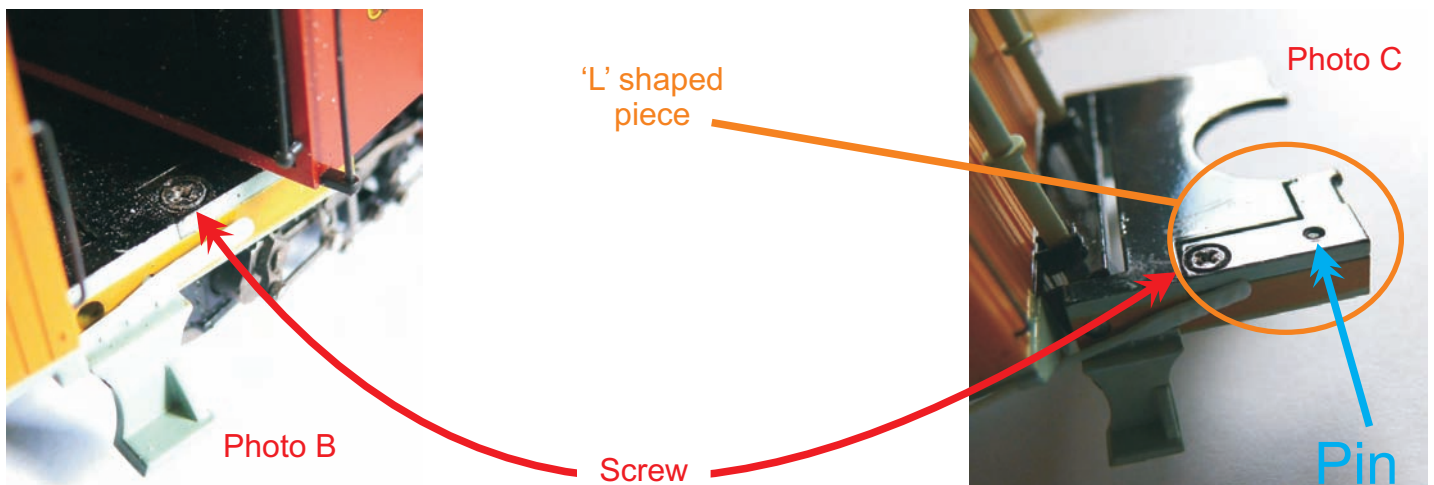
# Disassembly and Maintenance of the Coffee Pot Engine Unit

To carry out maintenance on the Coffee Pot engine unit the engine unit will have to be separated from the carriage. To achieve this follow the steps carefully as shown.

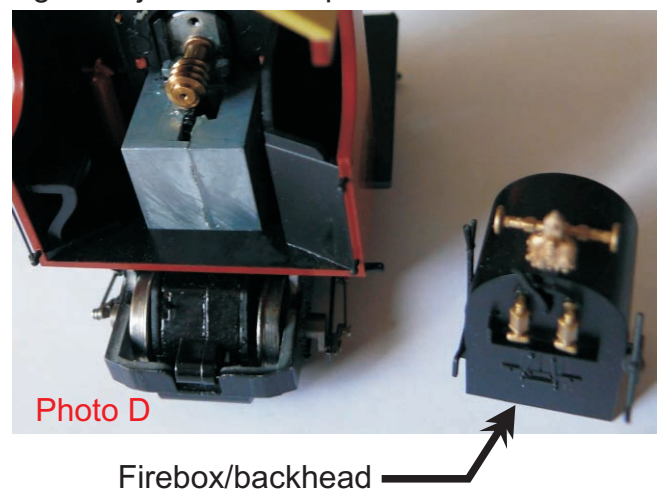
1. Remove the electrical plug as shown in photo A



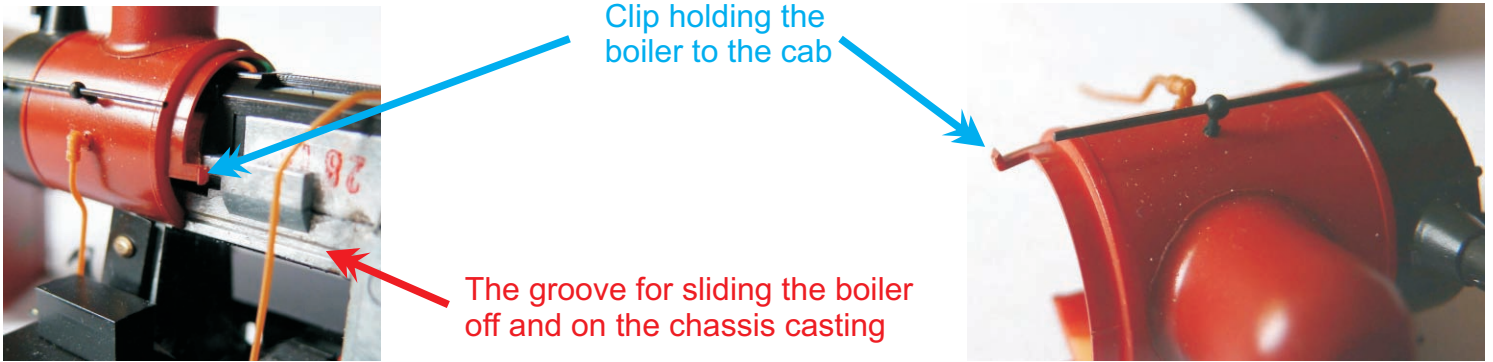
2. Remove the screw in photos B and C and lift the 'L' shaped piece clear of the pin and remove from the model. Make sure the model is sitting on a table when removing the screw, otherwise the model will fall and break.



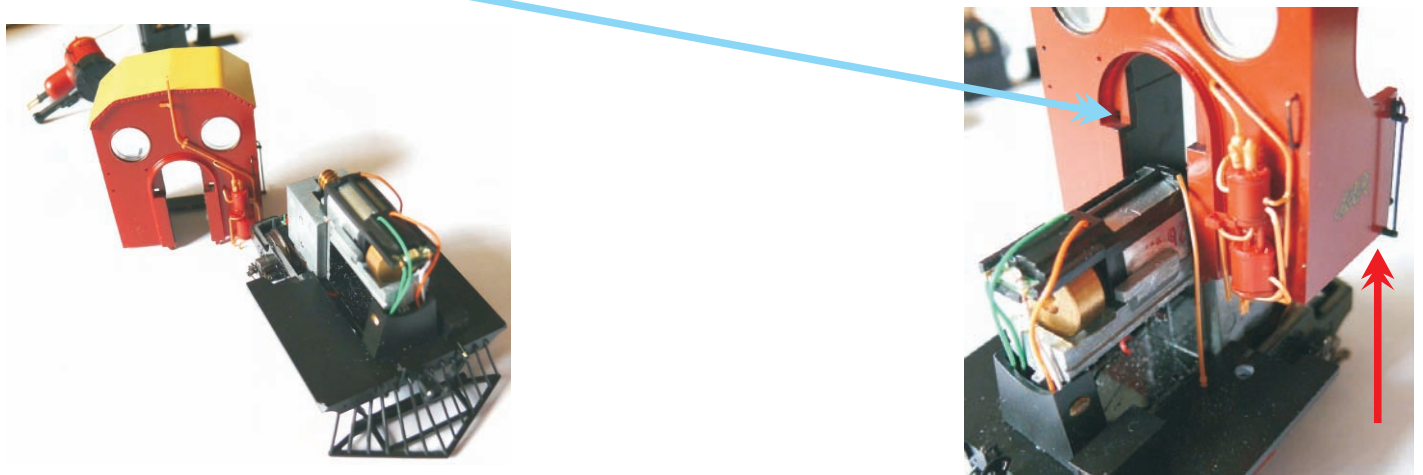
3. Remove the firebox/backhead detail (Photo D). To achieve this wiggle it slightly as it is glued in place. When replacing use a small amount of contact glue to just hold it in place.



4. Remove the boiler/stack/dome assembly. This is achieved by pushing inwards the 2 clips on the front wall inside the cab to allow the boiler assembly to move forward and slide off the chassis casting.



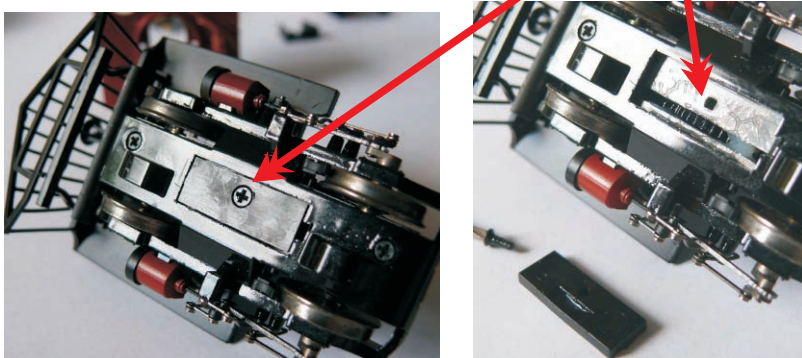
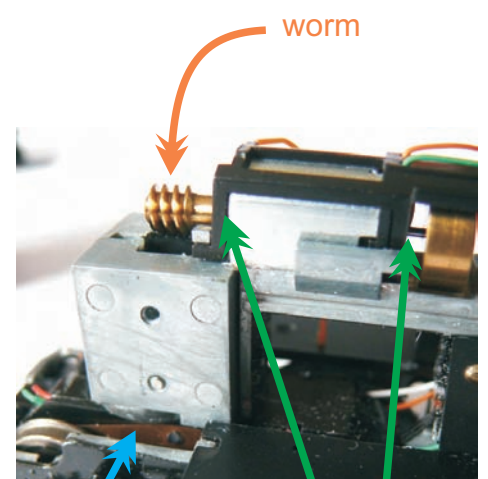
5. Slide the cab vertically off the cast chassis. Note the holes that the clips on the boiler pass through holding the boiler securely.



6. This disassembly allows access to both bearings on the motor for lubrication and clean contacts on the rear of the rear wheels for cleaning purposes. To gain access to the contacts on the front wheels for cleaning slide the running board forward.

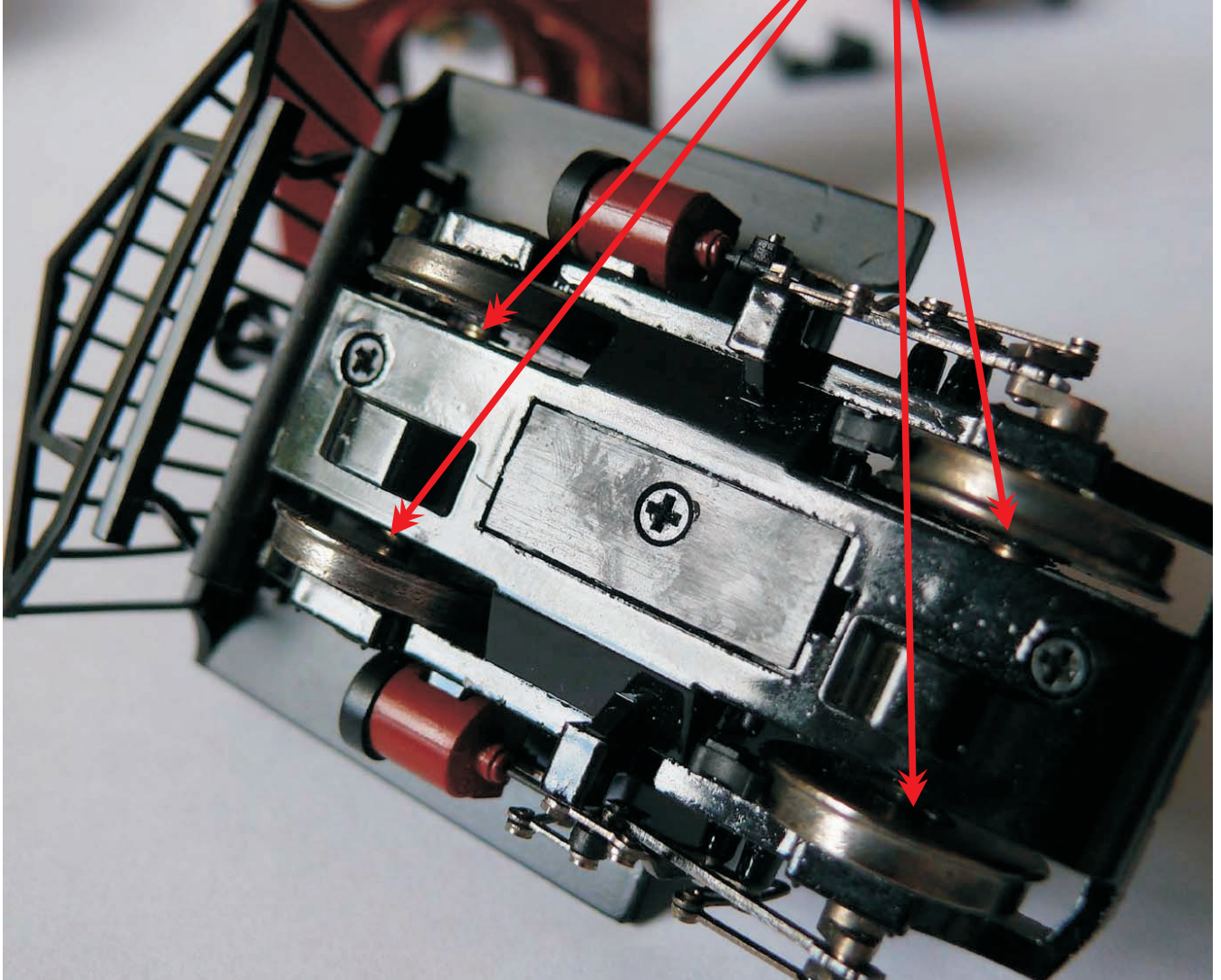
Use only plastic compatible oil. The gear meshing with the worm is a double reduction gear, so oiling this gear will not transfer oil to the other gears.

To oil the other gears remove the small plastic plate on the lower side of the chassis by removing the screw in the centre. Oil these gears by placing a small amount of gear oil on several teeth of this gear and run the loco (after replacing the cover) as the oil will be spread throughout the gears.



Oil axle bearings with 1 drop of oil.

**Bearings**



**This maintenance advice should be carried out every 6 months or 10 hours' running time.**