

Dream Steam

Piston and O Ring Kit For Mamod and MSS Steam Locomotives

This kit may be used to upgrade the Mamod and MSS locomotives. It replaces the piston and cylinder ends, providing O ring seals on the piston rod glands

Fitting

- Upturn the locomotive and remove the cylinders by unscrewing four screws and two nuts that hold cylinders to the chassis frames.
- Remove the cylinder pivot bolts.
- Remove brass big end from con rod by holding rod and with a small screwdriver placed through hole, twist and pull off.
- With a mallet, gently tap the piston into the cylinder until the front cover pops out.
- Then taking care not to scratch the inside of the cylinder, with a spacer or rod in the cylinder, similarly drive the rear cover out.
- Clean the cylinder, apply a little steam oil to the piston and O ring. Fit O ring to position and reassemble with the new parts. A tube can be placed over the piston rod, then the covers may be fitted by squeezing in a vice, or by gently tapping into place.
- Refit big end to con rod by tapping with a hammer back in place
- Refit the cylinders with the up rated springs to the locomotive.

NOTE: If any of the parts come lose degrease and reassemble using 24 hour araldite

Maintenance

The piston rod is supplied with a non-packed gland, Should the gland bearing wear due to serving then the gland may be packed with either an O ring or with PTFE tape (the white sealing tape used by plumbers). If using and O ring, the rod end (big end) will have to be driven off and forced back on after assembly. If using PTFE tape, unscrew the gland nut, gently twist the tape to form string and wrap this around the rod several times. Refit the gland nut over this packing. With either packing, the gland should be just tight enough to seal i.e. a slight drag should be felt. They must not be packed too tight.

Safety

- Check that the locomotive is correctly reassembled prior to steam testing.
- This product is not intended for and should not be used by children.

Upgrade Parts



For those enthusiasts that want to get the best performance out of their MSS or old Mamod loco we have the world's most extensive range of high quality upgrade parts.

Many upgrades in our range are those previously manufactured by IP Engineering. We have now taken over the manufacture and supply of this range and will continue to add new products.

We have the most affordable and commonly applied upgrade parts to increase the performance of your MSS or Mamod loco in our Popular Range of Upgrades.

For the really serious and those wanting the best upgrades available for their MSS or Mamod loco we have our range of Premium Upgrades.

We have the highest spec silver soldered 45psi boiler available anywhere for your MSS or Mamod locomotive.

Our unique Gas-Flow Cylinders have been designed by a Formula 1 engine designer using dynamic gas-flow techniques to ensure the most efficient flow of steam through the steam ports and cylinder blocks.

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