

IPM02 Regulator Kit for Mamod Steam Locomotive

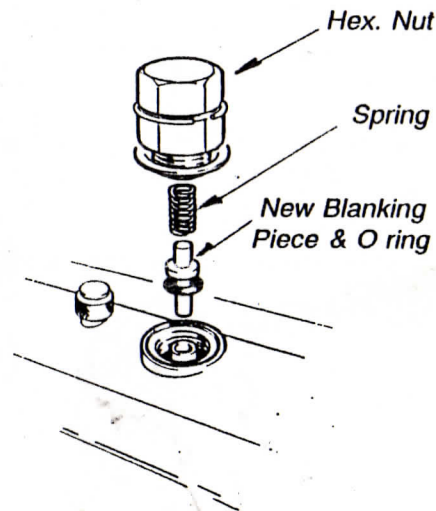
This kit is intended for use with the Mamod steam locomotives, it giving a far greater control of the locomotive's speed.

FITTING

The fitting of the regulator will entail the partial dismantling of and modification to the locomotive.

Pull the brass dome upwards and unscrew the large hexagonal nut. The main steam pipe should now be removed, it being pulled backwards out of the rear of the reversing valve at the front of the engine and downwards out of the boiler.

Fit the brass steam outlet blanking piece into dome area, place the original spring over it and refit the hexagonal nut. The effectiveness of the steam seal is dependant upon the cleanliness of the joint between the upstanding pipe and the new O ring on the blanking piece.

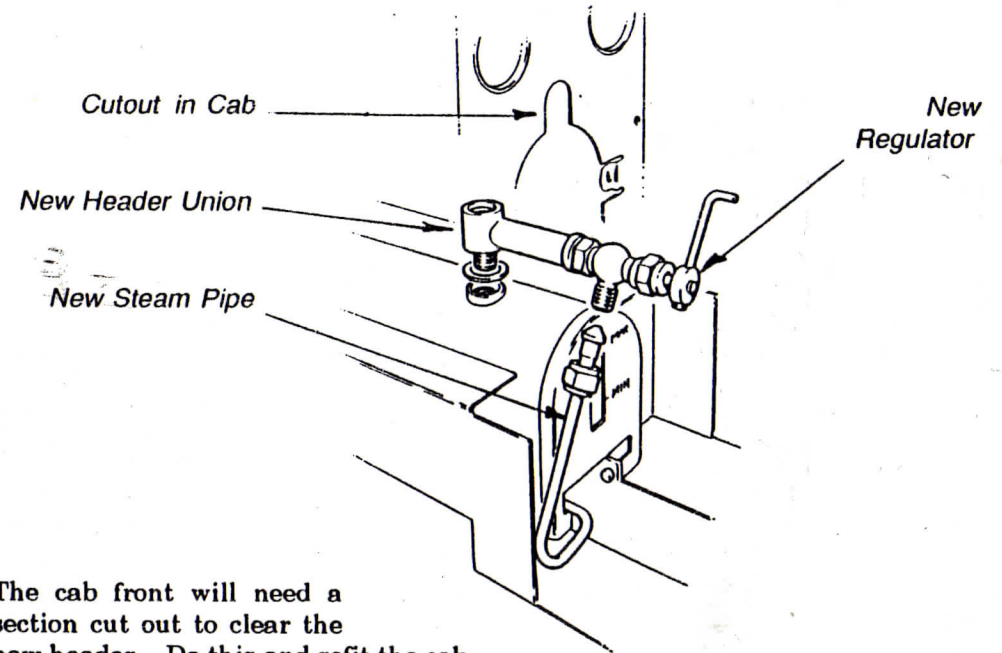


Remove the whistle assembly and the front part of the cab from the locomotive.

With a little thread sealant (e.g. red Hermetite) applied to the male thread, fit the new header union with the fibre washer, into the old whistle connection in the boiler. Loosely screw the new regulator into the header.

Fit the new steam pipe through the fire space into the now vacant connection in the boiler. Adjust (bend where necessary) the pipe to connect to the new header union.

Fit the regulator, apply thread sealant and screw back into place, rotating the valve to align with the new steam pipe. Tighten the thin nut to lock and seal the joint.



The cab front will need a section cut out to clear the new header. Do this and refit the cab.

The whistle no longer refits without modification. It is suggested that an IPM03 safety valve be fitted into the top of the header and the whistle or a water top up valve IPM06 be fitted in the original safety valve position.

Check the fitting of all items and test for leaks either by air pressure or by steaming.

OPERATION

The original Mamod control is now utilised for forward / off / reverse control. The new cab mounted regulator should be kept shut (turned clockwise) during storage and during steam raising. Opening the valve with the forward reverse valve set will permit the locomotive to operate - the further the valve is opened, the faster the locomotive will operate.

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.

A safety valve must be retained on the locomotive

Manufactured by I.P. Engineering and distributed by:-

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