

Fixture for positioning traction centre assembly - GOC Shops - July 2018

Traction Centre in Fiat Bogie is one of the main components used to transmit traction and braking force between Bogie frame and body by traction lever, on the bolster beam pin and two rods.

The traction lever is connected to the bolster beam by means of a rubber bush, two plates and screws.

After assembling of traction rod with traction centre the whole assembly will be hanging due to its own weight. These total assembly is to be secured with Bolster Beams. It is difficult to lift the hanging traction centre assembly manually to secure with Bolster Beam manually. To overcome the securing problem a positioning fixture is designed and fabricated in house in which screw mechanism is available to lift the assembly and secure it with Bolster Beam very easily.

The fixture consists of a base on which a screw rod is welded and a square block having an inner thread slide over the screw which carries the arm bar. The arm bar is used to hold the traction centre assembly firmly with the Bolster Beam.

Advantages

- Light in weight.
- Can be handled easily.
- Single mechanism and easy to operate.
- No fatigue to the technicians during operation.
- Securing operation time is minimum.



Arm bar



Screw

Square block



Complete fixture

