

5 T Hydraulic Press for Assembling/Dismantling of LHB Bogie Primary Suspension Spring - LW/PER - June 2018

A “C-Frame” with opening of 650 mm has been fabricated from channel (150 mm x 200 mm x 150 mm) by Millwright Shop/LW. One rectangular platform of 900 mm long X 650 mm width has been fabricated. A vertical pillar is attached with this rectangular platform by means of welding. The “C-Frame” is fixed with the vertical pillar through a pin such that it can swivel about horizontal axis

On top of the “C-Frame”, hydraulic cylinder having 100 mm outer dia / 70 mm inner dia and 200 mm stroke is fitted. A hydraulic power pack is fitted on the rectangular platform consisting of

- 1) Oil tank of 40 litres capacity
- 2) 2 HP/ 3 Phase Electrical Motor
- 3) Hydraulic gear pump
- 4) Hard lever control valve
- 5) Gear Coupling
- 6) Suction strainer
- 7) Level gauge
- 8) Filter breather
- 9) Bell housing
- 10) Internal pipe fittings

were fitted.

The hydraulic cylinder is connected through inlet and outlet hoses operated by hand Lever-Control valve. Electrical power supply is given to the motor vide 32 A MCB. Hydraulic tank with 40 litres is filled with hydraulic oil of Servo 68. The piston moves up & down by means of oil pressure.

This facility is useful for mounting/ dismantling the primary suspension spring of LHB bogie during SS1 schedule.

