

Body Pin Installation and Removal Tool

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The installation and removal of body pins that attach the OHT truck body to the chassis had been carried out by workers operating under the body once it was suspended by a crane (see figure 1).

A risk assessment identified the potential risks to workers installing and removing the body pins, including crush injuries, falls and ergonomic hazards.



Figure 1: Suspended 797F OHT Body

The Body Pin Installation and Removal Tool uses a hydraulic pump and cylinders along with a remote camera to allow assembly and maintenance personnel to remotely install and remove OHT body pins (see figure 2).

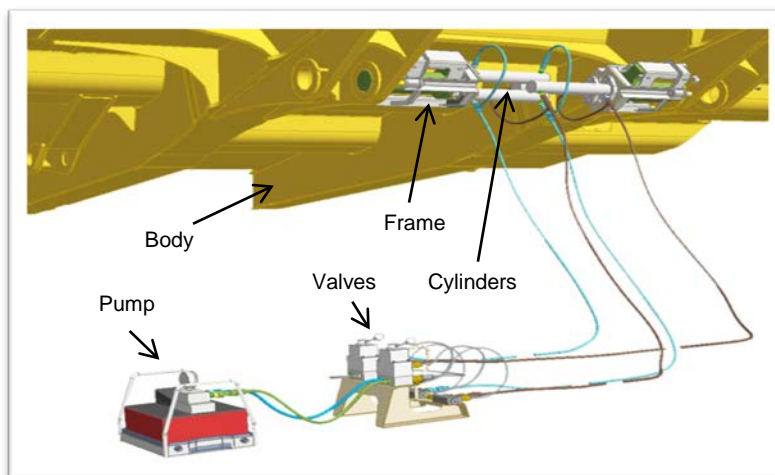


Figure 2: Body Pin Installation & Removal Tool

The tooling can be used on a range of OHT models and is not limited to one specific model. The tool components are light enough to be able to be lifted and located without the need for mechanical lifting devices.

Finally, mounted video cameras remotely guide the lowering of the body into position, eliminating the need for workers to operate under the suspended body.