

SPECIAL POINTS OF INTEREST:

- If the vehicle loses all electrical power, the main rail system pump will be inoperable.
- If you are in doubt of the effectiveness of the manual hand pump or are unsure of how to operate it, contact your local Plant Coordinator for further instructions

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Road Rail Vehicle Safety ~ Part 2

To ensure the safety of drivers, passengers and other rail users, it is important to ensure that road rail vehicles are regularly checked and maintained in accordance with operational and safety regulations.

All drivers are legally responsible for the safety and roadworthiness of the vehicles they drive.

The ability to quickly and safely remove a defective road rail vehicle from track often only becomes apparent when the need arises. It can then be all too late to realise the manual over-ride system is not working or worse still, not there!

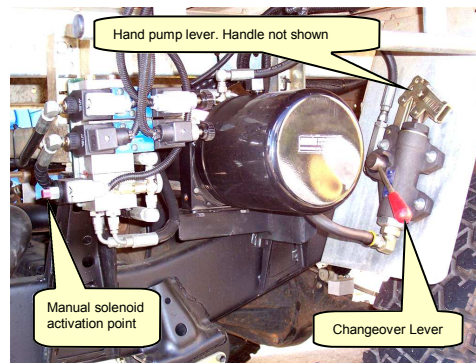
Part of the road rail vehicle pre-start check is to inspect and test the function of the manual emergency hand pump which is used to raise or lower the rail gear in the event of a primary system failure. Routine checking of this manual system provides a good insurance policy to prevent you from being stranded on track in the event of a system failure or mechanical breakdown.



Caution: Incorrect setting of the manual hand pump controls after testing may result in poor operation of the primary hydraulic system . Check and ensure all controls have been returned fully to the normal operating position. A recent derailment occurred due to this fault which resulted in insufficient pressure being available to reach the over centre position.

Due to the variety of rail guidance systems in use, each vehicle may have a different method for operating the emergency hand pump. It is a good idea to refer to the operating manual and familiarise yourself with the system operational procedures for vehicles in your area.

The fixed installation style hand pump shown here on the right, has a changeover lever and manual activation points on the solenoid valves which divert the oil to the appropriate front or rear rail kit. This is a typical installation on the latest model Land Cruisers with a single electric hi-rail pump.



The portable hand pump shown here on the left is typical of the installation used on many of our existing vehicles. The pump must be manually connected to special fittings installed at the front & rear of the vehicle. If you have this type of system please ensure the pump is always in the vehicle.