

Catapillar 924



Loadlog 800/8000 Installation Supplement

Fittings Required: 609030 1" Orifice Fitting (Qty. 2)

This supplement will show some of the locations for mounting the equipment included in this scale system. The installations shown are not required locations they are only intended as a guide.



Head Unit Mounting

The head unit was mounted to the right-hand post using the rops bracket supplied in the kit. Route the Head Unit cable to the right hand electrical box. The cable will be plugged into the Junction Box.



Catapillar 924



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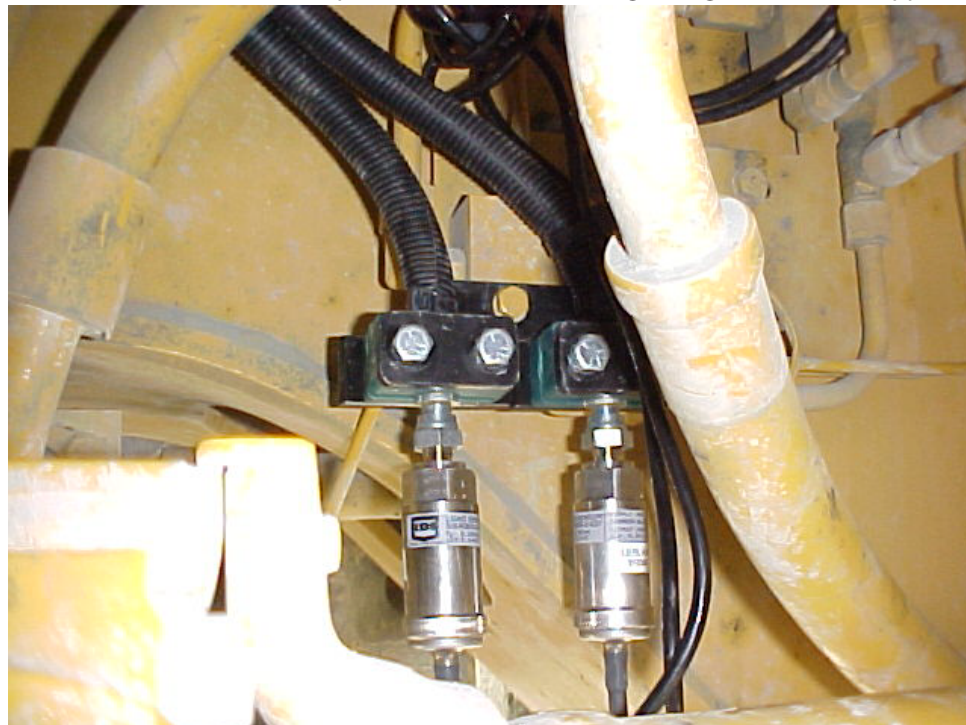
Load Sensor Installation

This installation is made by using the 1" Orifice Fitting supplied in the kit. The location is at the end of the hoses from the lift cylinder Left or Right side of machine.



Load Sensor Mounting

The sensor mount is to the plate close to the tee fittings using the brackets supplied



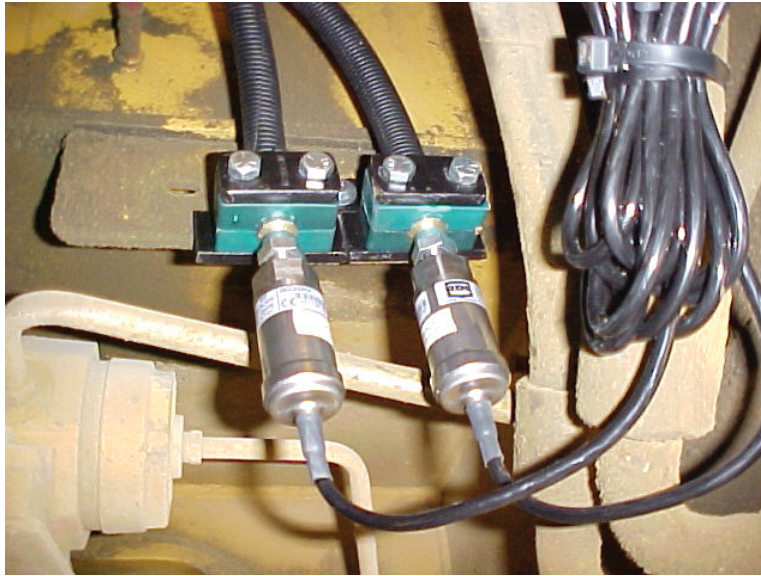
Catapillar 924



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Dual Clamp Assembly

Use the Dual Sensor Mounting Bracket as shown to secure sensors to the machine.



Reference/Direction Sensor

The Ref/Dir sensor mounting bracket location for this installation is within 200mm of the pivot point. The Bracket is bolted to the plate by drilling two holes. The magnet was mounter using the bracket supplied. Be sure to provide clearance for the loader arm. Route cable to right hand electrical compartment of cab. Cover wire with tubing through the articulation point.



Catapillar 924



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Juncton Box Mounting

The typical location for the junction box is the right or left side of the machine behind the removable front cover. (Image is for location purpose only). The Junction Box may be secured to surrounding cables.



Remote Enter Switch

The remote enter switch needs to be mounted to allow easy access by the operator. Route cable to the right hand electrical panel to be connected to terminal in J-Box.





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Wiring and Connections

The gray head unit cable and the black link cable are taken out of the cab in the location shown and routed to the J-box. This is also the area where the kickout solenoid can be found. The Power cable, Kickout cable and the Remote enter switch are all connected to the black link cable. This location is under the Right hand trim panel.



Wiring and Connections

The cables once routed out of the cab will be routed through the center of the machine and to the junction box. Use the black loom to cover the cables to help prevent premature failure. Use caution when routing cables through the center pivot of the machine.



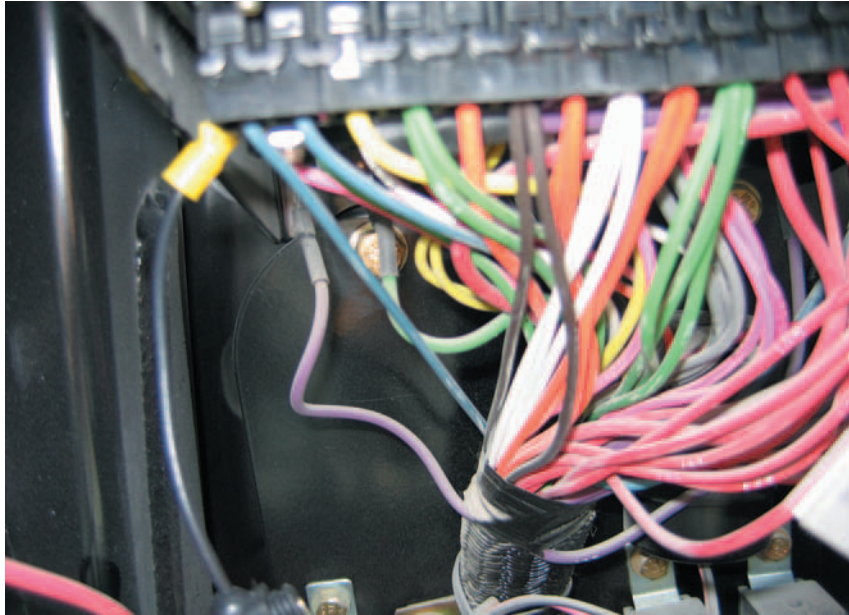
Catapillar 924



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Power Connection

The power connection can be made at the location shown its switched 24v. Be sure the Master Disconnect is in the off position before removing the nut on the bottom on the fuse box.



Ground Connection

The ground connection can be made in this location make sure the connection is clean to provide a good connection.



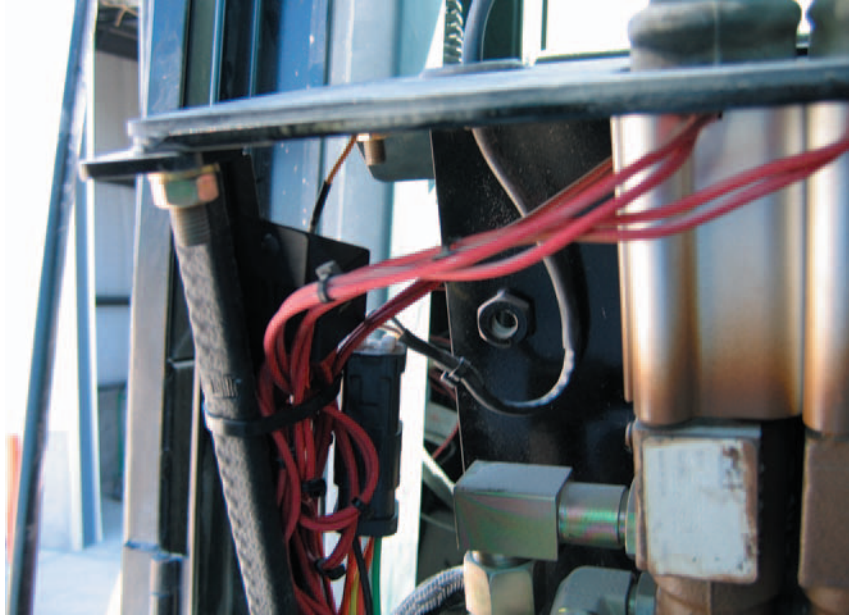
Catapillar 924



Loadlog 800/8000 Installation Supplement

Kickout Connection

The kickout connection if desired is made in this location below the control levers. Find the wire that has +volts when the lift lever is engaged then follow the instruction in the manual.



Kickout Connection

The kickout relay wiring will connect into the Black link cable with the remote enter switch and the power connection.



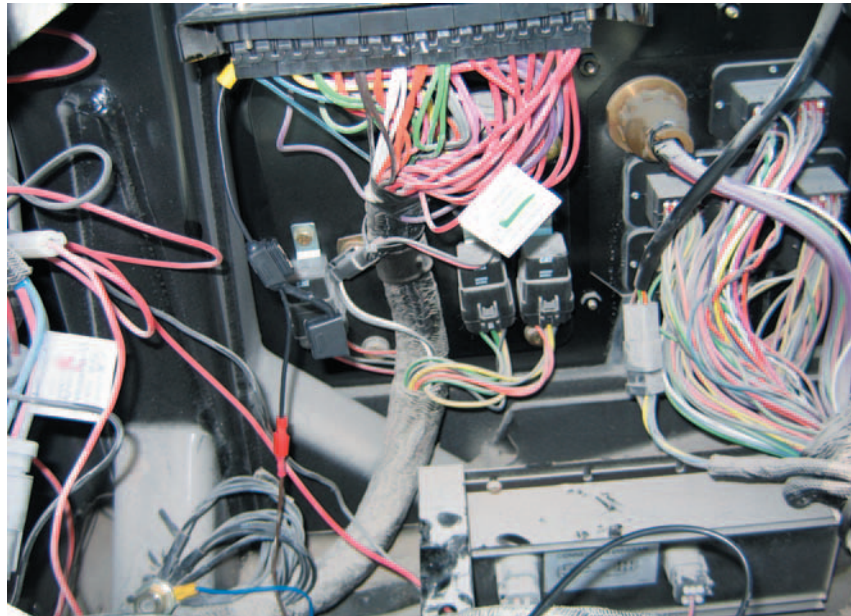
Kickout Relay Installed



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Wiring-Power Connections

The Power and Ground connections can be made by removing the right hand side panel. The scale system is able to use 12v or 24v if 12v is used to power the scale the jumper in the J-Box must be changed to the 12v setting. If a printer is being installed it will need to be connected to power in the same location.



Optional Equipment

If other optional equipment is to be installed such as a Printer or Telemetry radios you will need to plan for mounting this equipment as well. The printer cable is a split cable one end runs to the head unit one end to a power connection and the other end to the printer. Plan ahead when routing the gray head unit cable and the power cable and route the cable for the printer at the same time. The data radio for the telemetry will be powered by the connection at the head unit no external power is required but the radio will need to be mounted and the cable run to the head unit.

The antenna for the radio will need to be routed outside the cab.

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