

Repairs to Hydro-Pneumatic Suspension Systems

Before undertaking ANY type of repair to a hydraulic crane with hydro-pneumatic/hydraulic suspension system the following must be performed to insure your **safety** and **cleanliness**!

- 1) Start the lower engine and unlock the suspension system and then fully lower the chassis/suspension
- 2) When fully lowered continue to hold the all lower switch for at least an additional 30-45 seconds. If the machine has suspension system gauges then when they go fully to zero.
- 3) DO NOT lock the suspension system; get out of the crane and run the outriggers.
- 4) Fully raise the machine up off the ground and let the wheels hang down through the unlocked suspension. This insures that there is no pressure in the hydraulic system and also provides you reasonable room to work on the system.

This should be done before performing any of the following operations or repairs on the suspension system:

- Changing of any hydraulic hoses in the system
- Charging and checking of the nitrogen suspension accumulators
- Removing any valves concerning the suspension control hydraulics
- Attempting any suspension cylinder repairs

Follow this for safety and cleanliness in repairing and servicing suspension systems.