

Troubleshooting

Troubleshooting Table - Ram

PROBLEM	POSSIBLE CAUSE	REMEDY
Erratic Action	Air in system	Bleed air and check for leaks
	Leakage in cylinder	Replace worn packings. Check for excessive contamination or wear
	Cylinder sticking or binding	Check for dirt, gummy deposits or leaks as above. Check for misalignment, worn parts or defective piston seal
Cylinder does not advance	Pump release valve open	Close release valve
	Low or no oil in pump reservoir	Fill with oil and bleed the system
	Air locked in pump	Bleed the system
	Loose couplers	Tighten couplers and bleed
	Plugged hydraulic line	Flush and clean system
	Pump not operating correctly	Review Troubleshooting Table for pump
Cylinder extends only partially	Pump reservoir is low on oil	Fill and bleed the system
	Cylinder piston rod binding	Check for dirt, gummy deposits, or leaks as above. Check for misalignment, worn parts or defective packing
Cylinder advances slower than normal	Loose connection	Tighten and bleed the system
	Leaky connection	Clean connection and use a non-hardening pipe thread compound or PTFE tape if needed
	Restricted hydraulic line or fitting	Clean or replace if damaged
	Pump not operating correctly	Review Troubleshooting Table for Pump
	Leaky seals	Replace seals
Cylinder leaks oil	Worn or damaged seals	Replace seals
	Loose connections	Tighten fittings
	Worn/scored cylinder wall	Repair or replace
Cylinder will not retract or retracts slower than normal	Pump release valve closed	Open pump release valve
	Couplers not fastened	Fasten couplers
	Blocked hydraulic lines	Clean and flush
	Weak or broken return springs	Send to service center
	Cylinder damaged internally	Send to service center
	Pump reservoir too full	Drain oil to correct level