

REPAIR GUIDE

PROBLEM	CAUSE	SOLUTION
PUMP NOT DELIVERING OIL	1. Low oil in reservoir	Check oil level per instructions
	2. Dirt in pump body	Disassemble pump body and clean all parts
	3. Seats worn and not seating properly	Reseat required seats in casting
	4. Reservoir overfilled with oil	Check oil level per reservoir instructions
	5. Vacuum Bound	Loosen filler screw on reservoir
PUMP LOSING PRESSURE	1. Oil leaking past outlet ball seat(s)	Reseat ball seat(s)
	2. Pressure control knob leaks, not adjusted properly	Reseat pressure control assembly & replace assembly
PUMP DOES NOT REACH FULL PRESSURE		
	1. Low oil level	Check oil level per reservoir instructions
	2. Relief valve set to low	See relief valve adjustment instructions
	3. Reservoir overfilled with oil	Check oil level per reservoir instructions
HANDLE RAISES AFTER EACH STROKE		
	1. Oil leaking past outlet ball	Replace ball and/or reseat
PUMP HANDLE CAN BE PUSHED DOWN (SLOWLY) WITHOUT RISING THE LOAD		
	1. The inlet ball is not seating	Check for dirt and/or reseat valve seat
PUMP HANDLE OPERATES WITH SPONGY ACTION		
	1. Air has been trapped in the line	Set tank end connector tool lower than the pump and extend and return pusher pin several times
	2. Reservoir overfilled with oil	Check oil level reservoir instructions.

SAFETY PRECAUTIONS

- Before operating the pump, make sure all hose connections are tight—use the proper tools to tighten connections.
- Do not overtighten the connections. Connections need only be tightened securely and leak-free. Overtightening may cause premature thread failure or high pressure fittings to split at pressures lower than their rated capacities.
- Open pressure control knob to release all system pressure before loosening any hydraulic connection in the system.
- Should a hydraulic hose ever burst or rupture, immediately shut off the pump. Never attempt to grasp a leaking hose under pressure with your hands. The force of the escaping hydraulic fluid could cause serious and permanent injury.
- Avoid any conditions which could damage the hose and impair the pump's performance. Never allow the hose to kink, twist, curl or bend so tightly that the oil flow within the hose is blocked or reduced. This could damage the hose and possibly result in serious injury to persons working in the immediate vicinity.
- Do not use the hose to lift or move the equipment connected to it. Periodically inspect the hose for signs for wear. Never use a defective hose with any pressurized equipment.
- Hose material and coupler seals must be compatible with the hydraulic fluid use.

PUMP

- Never exceed the 12,000 PSI hydraulic Proof Pressure rating. Safety Relief Valve is set at 7,330 PSI at factory.
- Never overfill the pump reservoir with oil. Always retract the system before replenishing the oil level.

U.S. JACK®

INSTRUCTION & PARTS SHEET

REV 2/21

TANK TRACK PULLER AND PUMP END CONNECTOR HYDRAULIC JACK

MODEL NO: 24-52701

NSN: 5120-01-052-5642

OPERATING PRESSURE: 8,000 PSI

PROOF PRESSURE: 12,000 PSI

PRODUCT INFORMATION

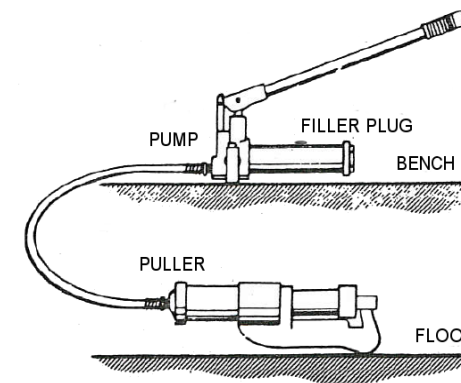
GENERAL INSTRUCTIONS

To assure long and dependable performance of your hydraulic tools, the following precautions should be observed:

1. Be sure that all units are wiped clean before and after using. A light grade of oil should be used on moving parts to prevent rusting and prolong life.
2. Make sure that all attachments are fully tightened.
3. When not in use, ram and pump piston should be fully retracted and release valve closed. Connecting openings to tools should be plugged to prevent entrance of foreign matter.
4. Refill only with MIL-PRF-83282 Hydraulic Jack Oil.

OPERATING INSTRUCTION—SET UP

Attach hose from pump to puller and position as shown in illustration. Puller may be in either a horizontal or vertical position and release. Close release valve when ram is fully retracted and units are ready for use.



BLEEDING AIR FROM THE SYSTEM

During the initial moments of activation or after prolonged use a significant amount of air may accumulate within the hydraulic system. This entrapped air may cause the cylinder to respond slowly or behave in an unstable manner. To remove the air, run the system through several cycles (extending and retracting the pusher pin) free of any load. Make certain the end connector puller is at a lower level than the pump to allow air to be released through the pump reservoir. Once all the air has been bled from this system, inspect the oil and replenish the reservoir if necessary.

INSPECTING THE HYDRAULIC FLUID LEVEL

Always retract the pusher ram completely before attempting this procedure.

Check the oil level in the reservoir after approximately every ten hours of use. Place the pump in a vertical position with the pump head facing downward. Unscrew and remove the filler screw from the reservoir. The oil level within the reservoir should come to the filler screw hole on the reservoir body.

TO DISASSEMBLE—PULLER

1. Remove plug #2-53990
2. Remove roll pin #2-54799
3. Unscrew cap #56144
4. Remove push pin block #2-54679
5. Unscrew ram cylinder # 2-54802
6. Slide out ram #56126 toward puller arm
7. Replace worn parts and reassemble in reverse order

REPAIR KIT

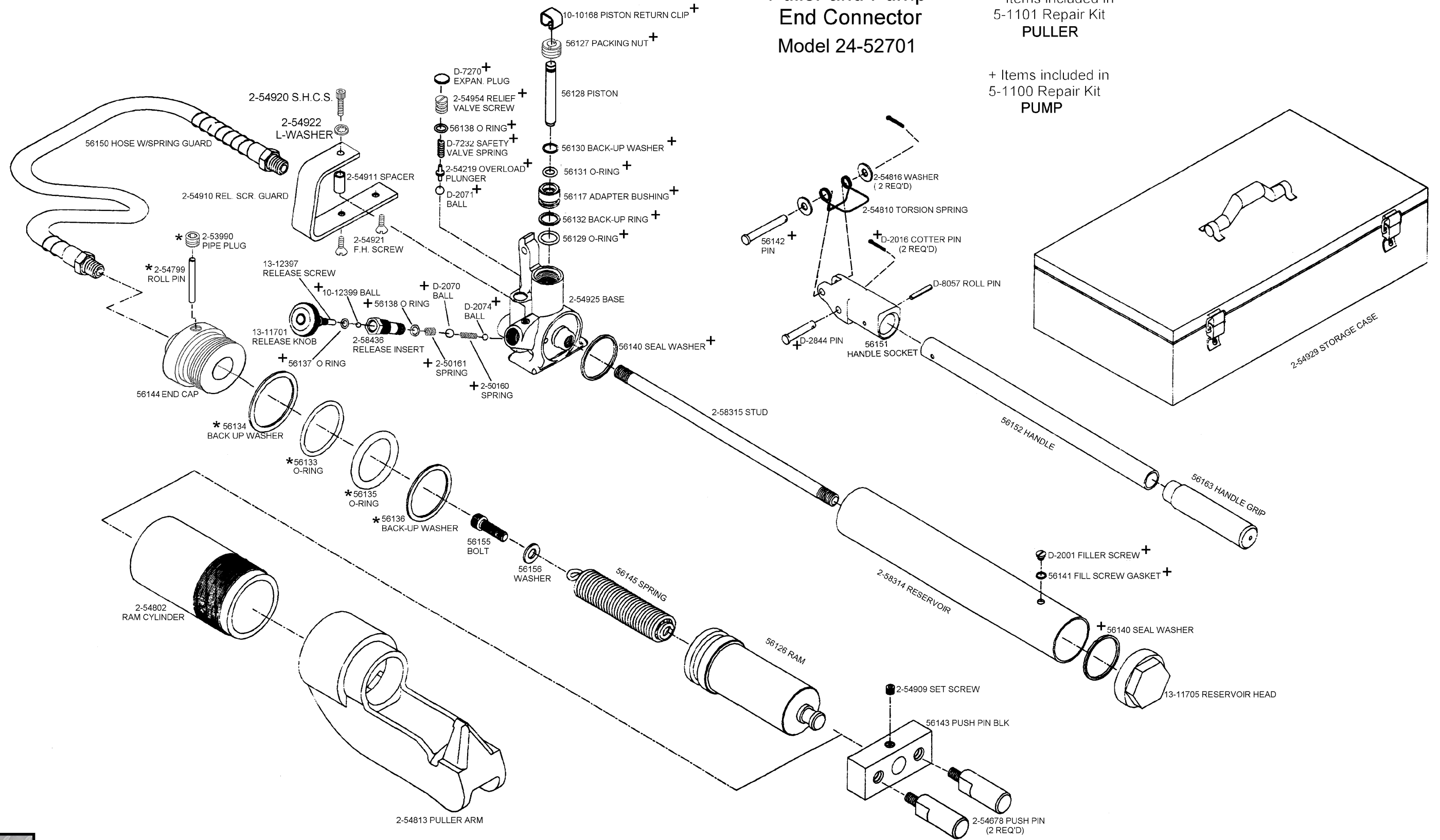
Hand Pump — 5-1100

Puller— 5-1101

Puller and Pump End Connector Model 24-52701

* Items included in
5-1101 Repair Kit
PULLER

+ Items included in
5-1100 Repair Kit
PUMP



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