REV. 8.21

EQUIPMENT SUPPLY COMPANY

CE

INSTRUCTION MANUAL

Air Hydraulic Pump 135 cu in. (2000 cc, 1/2 Gallon Capacity)

MODEL #10518



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Thank you for choosing ESCO tire service tools and equipment. We suggest you read this instruction manual thoroughly before using the product. Save this instruction manual for future use.

TABLE OF CONTENTS

- **Introduction……2**
- **Specifications……2**
- **General Safety Rules……...3**
- **Operating Instructions……4**
- **Parts Breakdown ……..…… 5-6**
- **Warranty……..7**
- **Parts and Repair Service…… 7**

INTRODUCTION

1/2 gallon air hydraulic pump is specifically designed for automotive, light truck and heavy duty applications. Air exhaust feature utilized to power pump, requiring only 80 PSI for 10,000 PSI of operating hydraulic pressure. Exhaust muffler promotes safer, quieter operation. Robust foot pedal provides hand-free pumping and release of load. Aluminum reservoir is lightweight, and durable for field, shop and mobile application.

SPECIFICATIONS

MODEL NO.	TANK CAPACITY	OPERATING PRESSURE	WEIGHT	DIMENSIONS
10518	1/2 GAL 2000 CC	10,000 PSI 700 BAR		

GENERAL SAFETY RULES

⚠ WARNING ⚠

- Read and understand all instructions. Failure to comply could result in death, bodily injury and/or damage to equipment.
- Do not allow children or untrained individuals to use this product.
- Always wear ANSI and OSHA standard Personal Protective Equipment when using this product. Not wearing eye wear, non-slip shoes or hearing protection may result in injury.
- Do not modify or use non-factory authorized parts on this product.
- Do not use hoses in system exceeding 10,000 PSI (700 BAR)
- Never use hydraulic hose to move or carry hydraulic components.
- Keep hydraulic equipment away from flames and heat
- Only use compatible hydraulic fluids
- Only connect coupler fittings with quick disconnects. Never use tools to tighten coupler.
- Never exceed the system operating pressure.
- Always use an air pressure reducer or regulator with filter in hydraulic system.
- Do not attempt to disconnect coupler while system is under pressure.
- Always follow OSHA 1910.77 standard* while using this product.
- Always visually inspect the product before use for damage. Replace questionable components immediately. Do not use product if damaged, altered, or in poor condition. Contact our technical service department with any questions or issues by calling 800-352-9852.



EYE PROTECTION MUST BE WORN



HEARING PROTECTION MUST BE WORN

⚠ Warning: The air/hydraulic pump is capable of generating fluid pressure up to 10,000 PSI . Make certain the tool in use is held securely and is i n proper working condition. DO NOT continue to operate the pump once the work is Completed. Failure to comply with these instructions Could result in personal injury or damage to the equipment.

OPERATING INSTRUCTIONS

1. Connect the hydraulic hose to the air/hydraulic pump to the hydraulic coupling on the air-hydraulic powered tool.
2. Connect the air supply line to the air/hydraulic pump. Air supply should be 5-10 CFM at 100 PSI to obtain proper operating characteristics. In addition, the air line should be equipped with an airline Air Pressure Reducer with air filter (See ESCO Model 10601)
3. Stepping on the pedal of the pump will engage the air/hydraulics to supply power to tool.

MAINTENANCE AND STORAGE

1. Inspect hoses and connections daily.
2. Tighten connections as needed.
3. Use only high quality hydraulic fluid. We recommend AW- 32 WEIGHT OIL.

Note: Apply Teflon tape to both 3/8" NPT ends of the hydraulic hose. Attach Male coupler to the swivel end of hose and attach the non-swivel end of the hose to the hydraulic pump.

WARNING: DO NOT USE ANY HARDENING PIPE THREAD COMPOUND ON THE ENDS OF ANY HYDRAULIC TOOL FITTINGS AND/OR CONNECTIONS. USE OF ANY PIPE THREAD HARDENING COMPOUND MAY LEAD TO FAILURE OF HYDRAULIC TOOLS AND WILL VOID WARRANTY.

Storage

When not in use or during storage:

a. Depressurize and disconnect hydraulic hoses from application.
b. Wipe clean, thoroughly.
c. Store in clean, dry environment. Avoid temperature extremes.
d. Shield pump with a protective cover.

Adding Hydraulic Fluid:

1. Depressurize and disconnect hydraulic hose from application.
2. With pump in it's upright, horizontal position, remove the oil filler plug located on the top plate of the reservoir.
3. Use a small funnel to fill reservoir to within 3/4" (19mm) of the opening.

NOTE: Use only good quality hydraulic jack oil.

Changing Hydraulic Fluid:

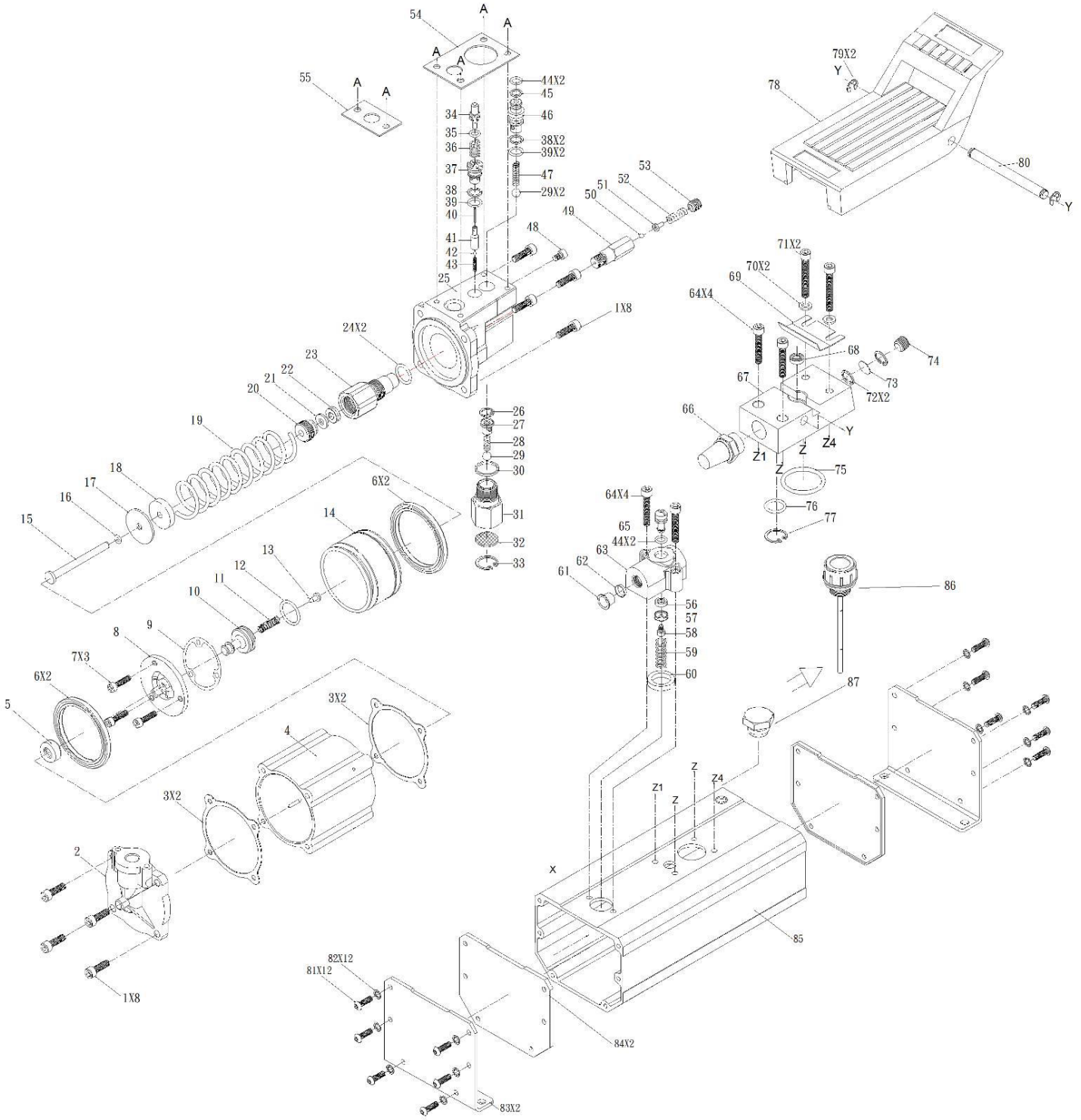
1. For best results, change hydraulic fluid once a year.
2. Repeat #2 (Adding Hydraulic Fluid) above, then pour used fluid into sealable container.
3. Dispose of fluid in accordance with local regulations.
4. Fill with a good quality hydraulic jack oil as recommended above. Reinstall vented oil filler plug.

Lubrication

Use a light machine oil to lubricate pivot points, hinges etc.

Note: Never operate pump with release valve closed and disconnected from application. If operated in this condition, the hose and connections become pressurized. This increases burst hazard. In this event, damage may occur to pump and its components.

PARTS BREAKDOWN



PARTS BREAKDOWN

REF. NO.	PART NO.	DESCRIPTION	QTY	REF. NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
1	10518-001	Bolt	1	34	10518-034	Release Valve Bolt	1	67	10518-067	Oil Outlet Valve Seat	1
2	10518-002	Top Cap	1	35	10518-035	O-Ring	1	68	10518-068	Rubber Bushing	1
3	10518-003	Packing	2	36	10518-036	Spring	1	69	10518-069	Foot Pedal Stop	1
5	10518-004	Reservoir Cap	1	37	10518-037	RELEASE VALVE BASE	1	70	10518-070	Washer	2
4	10518-005	Cylinder Tube	1	38	10518-038	BACK-UP RING	1	71	10518-071	Bolt	2
6	10518-006	Back-up Cap	2	39	10518-039	O-Ring	2	72	10518-072	C-Ring	2
7	10518-007	Bolt	3	40	10518-040	Steel Ball Axle	2	73	10518-073	Filter	2
8	10518-008	Air Piston A	1	41	10518-041	Release Valve	1	74		Bolt	1
9	10518-009	Packaging	1	42	10518-042	Steel Ball	1	75	10518-075	O-Ring	1
10	10518-010	Change Piston	1	43	10518-043	Spring	1	76	10518-076	O-Ring	1
11	10518-011	Spring	1	44	10518-044	O-Ring	1	77	10518-077	Air Vent Valve	1
12	10518-012	O-Ring	1	45	10518-045	Back-up Ring	2	78	10518-078	Foot Pedal	1
13	10518-013	Stud	1	46	10518-046	Oil Inlet Valve	1	79	10518-079	C-Ring	1
14	10518-014	Air Piston B	1	47	10518-047	Spring	1	80	10518-080	Foot Pedal Axle	1
15	10518-015	Pump Piston	1	48	10518-048	Bolt	1	81	10518-081	Bolt	12
16	10518-016	O-Ring	1	49	10518-049	Valve Cartridge	1	82	10518-082	Washer	12
17	10518-017	Piston Cylinder Cap	1	50	10518-050	Steel Ball	1	83	10518-083	Oil Cover	2
18	10518-018	O-Ring Washer	1	51	10518-051	Stud	1	84	10518-084	Oil Packing	2
19	10518-019	Pump Ext. Spring	1	52	10518-052	Spring	1	85	10518-085	Oil Container	1
20	10518-020	Pump Cylinder Cap	1	53	10518-053	Screw	1	86	10518-086	Air Ventilation Bolt	1
21	10518-021	Back-up Ring	1	54	10518-054	Packing A	1	87	10518-087	Oil Inlet Bolt (NL)	1
22	10518-022	Piston “V” Ring	1	55	10518-055	Packing B	1				
23	10518-023	Pump Cylinder	2	56	10518-056	O-Ring Washer	1				
24	10518-024	O-Ring	1	57	10518-057	Air Inlet Valve Cap	1				
25	10518-025	Hydraulic Base	1	58	10518-058	Bolt	1				
26	10518-026	C-Ring	1	59	10518-059	Spring	1				
27	10518-027	Oil Inlet Valve Stud	1	60	10518-060	O-Ring Washer	1				
28	10518-028	Spring	1	61	10518-061	Cover	1				
29	10518-029	Steel Ball	2	62	10518-062	Filter	1				
30	10518-030	Washer	1	63	10518-063	Release Valve Base	1				
31	10518-031	Oil Inlet Valve	1	64	10518-064	Bolt	1				
32	10518-032	Filter	1	65	10518-065	Air Inlet Valve	4				
33	10518-033	C-Ring	1	66	10518-066	Air Filter	1				

WARRANTY

Select Pro Series products sold by Equipment Supply Company (ESCO) are warranted to be free from defects in material and workmanship under proper use, application, and maintenance in accordance with ESCO's written recommendations, instructions, and specifications for a period of 3 years (1,095 days) from the date of shipment to the end user, unless otherwise noted. ESCO's obligation under this warranty is limited to, and the sole remedy for any such defect shall be the repair or replacement (at ESCO's discretion) of unaltered parts returned to ESCO, freight prepaid, and proven to have such defect, provided such defect occurs within the 90-day warranty period (or otherwise noted) and is reported within 14 days of occurrence.



This is the only authorized ESCO warranty and is in lieu of all other express or implied warranties or representations, including any implied warranties of merchantability or fitness. Warranty claims must be submitted and be processed in accordance with ESCO's established warranty claim procedure. In no event will ESCO be liable for business interruptions, loss of sales and/or profits, personal injury, costs of delay, or for any other special, indirect, incidental or consequential losses, costs, or damages.

PURCHASE DATE:_____

MODEL NO.:_____

SERIAL NO. (If Applicable):_____

NOTES:_____

Register your ESCO tool for warranty repairs at www.esco.net/warranty

PARTS AND REPAIR SERVICE

GUARANTEED 1-Day Turnaround Service.

Received by ESCO - *Repaired in 24 Hours* - Returned to you!



- ESCO will pick up product for repair/warranty at your location.
- ESCO will guarantee Repair/Service for 30 days.
- ESCO has rental tools available
- ESCO repairs IMT, FEC, Stellar, Blackhawk, OTC, Power Team, Ame Int., & Enerpac hydraulic pumps, bead breaker, and cylinders.
- Authorized ESCO Repair & Warranty Centers Located through the US & Canada. For more information contact your ESCO sales representative.
- Technical Support Over the Phone Available by Calling 1-800-352-9852

Prompt, reliable service after the sale is very important to ESCO. ESCO maintains an in-house repair facility in Brooksville, Florida. To insure that our customers have as little down-time as possible, we offer a 1 day turnaround service. Our factory repair service is equipped with all the tools and machinery needed to repair your equipment quickly and affordably. Our trained technicians are the best in the industry. Not only do we service our own products, but we also service our competitors' products.

In addition to ESCO's 30 years of providing quality repair service, ESCO has reached out and partnered with more than 50+ hydraulic repair facilities across the US & Canada, to deliver quality repair and timely return of products. Visit www.esco.net or call 1.800.352.9852 to hear more about the newly added "Authorized ESCO Warranty & Repair Facilities" across the US.

If you have a bead breaker, ram, or hydraulic pump that needs repair, ESCO fixes your product with factory parts and guarantees the repair. In addition to servicing ESCO brand products, we also re-pair CP, IMT, Elrick, Branick, Goodyear, FEC, AME Int., and Haltec lines of hydraulic bead breakers, rams, pumps, jacks, and many other hydraulic tire service equipment.

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EQUIPMENT SUPPLY COMPANY

The Proper Tools To Keep Your Equipment MOVING

Scan this Code to Go to the ESCO website

WWW.ESCO.NET

CONTACT INFO:

www.esco.net - info@esco.net
15270 Flight Path Drive
Brooksville, FL 34604
PH. 352.754.1117
Toll Free. 1.800.352.9852 (US, Canada Only) Fax: 352.754.4508

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

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