



HYDRAULIC SET 4T

CELETTE REF. 4T: T04S1 // VAG.1746

HYDRAULIC SET 10T

CELETTE REF. 10T: T10S1 // VAG.1512/A

ORIGINAL MANUAL

MANUAL REF NO:

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TABLE OF CONTENTS

1 Operator’s manual 3

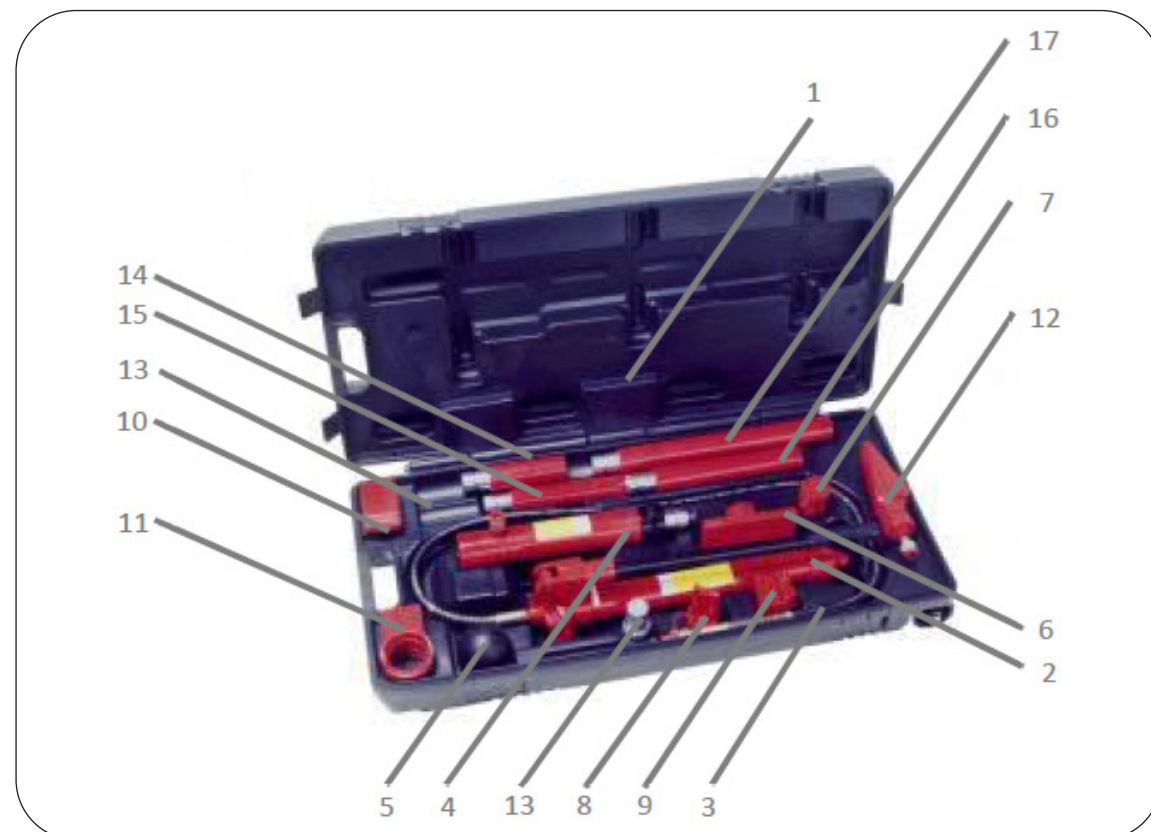
1.1 Safety Precautions 4

1.2 Operation instructions 5

1.3 Troubleshooting 6

1. OPERATOR'S MANUAL:

COMPONENT LIST	
S.NO	DESCRIPTION
1	Storage Case
2	Hydraulic Hand Pump
3	Hose w/Male 1/4" NPT Fittings
4	Ram w/ Half Coupler
5	Flex Head
6	Flat Base
7	Serrated Saddle
8	Wedge Head
9	90° V-base
10	Spreader Toe, (2-1/4"-14)
11	Plunger Toe
12	Spreader w/ Ram Half Coupler
13	Extension Tube Coupling
14	5" Extension
15	10" Extension
16	14" Extension
17	19" Extension



1.1 SAFETY PRECAUTIONS:

- Before operating the pump, tighten all hose connections using the correct tools. Do not overtighten connections need only be secure and leak free. Overtightening can cause premature thread failure or high-pressure fittings to split at pressures lower than their rated capacities.
- Should a hydraulic hose ever rupture, burst, or need to be disconnected, immediately shut the pump off, and open the control valve to release all pressure. NEVER grasp a leaking, pressurized hose with your hands; the force of escaping hydraulic fluid could cause serious injury.
- Do not subject the hose to any potential hazard such as fire, extreme cold or heat, sharp surfaces, or heavy impact. Do not allow the hose to kink, twist, curl, or bend so tightly that the fluid flow within the hose is blocked or reduced. Do not use the hose to move attached equipment. Periodically inspect the hose for wear, because any of these conditions can damage the hose and result in personal injury.
- Hose material and coupler seals must be compatible with the hydraulic fluid used. Hoses also must not come in contact with corrosive materials such as creosote-impregnated objects and some paints. Consult the manufacturer before painting a hose. Never paint couplers. Hose deterioration due to corrosive material can result in personal injury.

PUMP

- Do not exceed the maximum capacity of the pump or tamper with the internal highpressure relief valve. Creating pressure beyond the rated capacity can result in personal injury.
- Completely retract the ram before opening the filler screw on the pump to add hydraulic fluid. An overfill can cause personal injury due to excess reservoir pressure created when rams are retracted.

RAM

- Do not exceed the maximum capacity of the ram. Creating pressure beyond the rated capacity can result in personal injury.
- Do not set poorly-balanced or off-center loads on a ram. The load may tip and cause personal injury.

1.2 OPERATION INSTRUCTIONS:

SETUP

The pump may be operated in horizontal position, or in a vertical position with the head pointing down.

1. Assemble the hose between the pump and ram.
2. Determine the appropriate attachment for your application; assemble the attachment to the ram piston.

IMPORTANT

The use of extension tubes or off-center attachments greatly reduces the capacity of the hydraulic system. When using extension tubes, put the shortest tubes on the ends of the setup; never put the shortest tubes in the middle of the setup.

Some component in this set do not match the maximum pressure rating of the pump and ram. USE A PRESSURE GAUGE IN THE SYSTEM TO MONITOR HYDRAULIC PRESSURE. Refer to the instructions in this document for Typical Applications and Load Capacities.

OPERATION

- Turn the pump's release valve clockwise to a closed position. **IMPORTANT: Hand tighten the valve only; applying too much force to the valve may damage the valve stem.**
- Work the pump handle up and down to send oil through the hose to the ram, causing the piston to extend to the work piece.
- Monitor the pressure gauge while completing the application.

NOTE: The pump is equipped with an overload valve that will bypass oil back into the pump reservoir in an overload situation (when the system meets maximum pressure). In this case, continued pumping will have no effect on the system. If an overload situation commonly occurs, a higher capacity set is needed.

To release pressure, slowly turn the release valve counter clockwise. (The release speed is controlled by how fast the valve is opened)

1.3 TROUBLESHOOTING:

PROBLEM	CAUSE	SOLUTION
Pump loses pressure	1. System components leaking	1. Repair or replace as necessary
Pump not delivering fluid	1. Low fluid level in reservoir 2. Seats are worn	1. Check fluid level 2. Repair seats or replace pump body
Pump does not reach rated capacity	1. Low fluid level in reservoir 2. System components leaking 3. Fluid leaking past inlet or outlet checks	1. Check fluid level 2. Repair or replace as necessary 3. Repair inlet or outlet checks, or replace high pressure piston seal
Pump handle has a "spongy" feel	1. Air trapped in system 2. Too much fluid in reservoir	1. Bleeding air from the System 2. Check fluid level
Ram piston will not extend	1. Loose couplers 2. Low fluid level in reservoir 3. Ram seals leaking	1. Tighten couplers 2. Fill and bleed system 3. Replace worn seals. Look for excessive contamination or wear
Ram piston extends slower than normal	1. Loose couplers 2. Restricted hydraulic line or fitting 3. Pump not working correctly 4. Ram seals leaking	1. Tighten couplers 2. Clean and replace if damaged 3. Repair or replace as necessary 4. Replace worn seals. Look for excessive contamination or wear
Ram piston does not hold pressure	1. Loose couplers 2. Ram seals leaking 3. Pump or valve not working correctly	1. Clean, reseal with thread sealant, and tighten connection 2. Replace worn seals. Look for excessive contamination or wear. Replace contaminated fluid 3. Replace or repair as necessary
Ram leaks hydraulic fluid	1. Worn or damaged seals 2. Loose couplers	1. Replace worn seals. Look for excessive contamination or wear. Replace contaminated fluid 2. Clean, reseal with thread sealant, and tighten connection
Ram will not retract or retracts slower than normal	1. Pump release valve closed 2. Loose couplers 3. Blocked hydraulic lines 4. Weak or broken retraction springs 5. Ram damaged internally 6. Pump reservoir too full	1. Open pump release valve 2. Tighten couplers 3. Clean and flush lines 4. Send to service centre for repair 5. Drain fluid to correct level

To prevent personal injury, release pump pressure and disconnect the hose from the pump before making repair. Repairs must be performed in a dirt-free environment by qualified personnel who are familiar with this equipment. If the following solutions do not remedy the problem, take the product to an authorized service centre for repair.

THANK YOU!!!
FOR PURCHASING OUR PRODUCT



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IMPORTANT NOTE: Please do not forget to send us the product registration form for warranty registration.