

HYDRAULIC TROLLEY JACK

P12067

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Owner’s Assembly and Operating Manual

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SPECIFICATIONS

Working Load Limit	3000 KG
Height Lowered	100 mm
Height Raised	550 mm
Handle Length	1760 mm
Head Cap Diameter	100 mm
Total Weight:	48 KG
Part Number	P12067

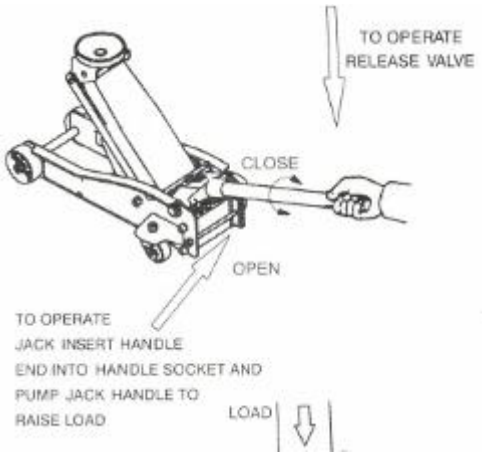
IMPORTANT SAFETY INFORMATION

The use of a vehicle jack has inherent dangers to avoid risk of personal injury or property damage make sure you are fully aware of the operating instructions for this product, the recommendations in the vehicle owners manual for jacking of your vehicle prior to lifting the vehicle. Do not exceed maximum lifting capacity of this jack. This jack is intended for automotive use only. Be aware that large or heavy vehicles may exceed jack's stated capacity check vehicle owners manual or contact the vehicle manufacturer. Do not use for any other purpose except the raising and lower of vehicles, Never use to raise any structure or building, Do not lift any human load and never ride on jack.

UNPACKING AND ASSEMBLING JACK

Unpacking Carton

Place carton in a clear, open area such as garage floor. Remove jack and three handle pieces from carton.



Assembling Handle

Insert handle piece (A) into middle handle piece (B) into handle piece (C) making sure holes line up for retaining clips. With the jack sitting on its wheels on a flat surface, slide assembled handle into handle base, rotate until the square-shaped hole slips over shaft in handle base. Check again to be sure handle is fitted properly using finger pressure only. Loosen 1/2 turn handle should rotate easily.

At the rear of jack a large metal clip holds handle base flat against the jack.
While keeping handle pushed down in compressed position, carefully remove clip by pulling out. Release pressure on handle base and discard.

Testing Handle Operation

Briefly test jack operation as follows BEFORE using to lift any Load. Twisting handle tightens or releases the valve which allows jack to be raised and lowered. To raise jack, twist handle completely clockwise until it stops. Do not force or tighten beyond this point. Pump the handle a few times to raise the jack about halfway. If jack does not begin to rise after a few pumps, check to be sure handle is correctly inserted into handle base and is fitted over hex shaft. With jack raised, twist handle slowly counterclockwise to lower jack. A normal hissing sound may be heard as jack lowers and pressure in hydraulic cylinder is released.

OPERATING JACK

Preparing Work Area

Before using jack to lift vehicle, it is important to prepare work area properly. Follow this procedure each time the jack is used to help prevent property damage and or serious injury.

1.) Thoroughly inspect jack for damage or wear before each use. Briefly test operation of unloaded jack before using to lift any load. If jack is damaged or is malfunctioning DO NOT LIFT ANY LOAD until the problem is corrected.

2.) **The Vehicle manufacturer's owner's manual should be consulted prior to the lifting of the vehicle**. It will advise safety precautions, jacking procedure, vehicle weight, recommended jack type, and location of jack support areas on vehicle. The working load limit of the jack is 3000 kg. NEVER EXCEED WORKING LOAD LIMIT OF JACK.

3.) Clear children and others from work area before moving or lifting vehicle. Another adult should be nearby for extra safety and assistance but must be clear of vehicle as it is moved or lifted. **No person should remain in a vehicle that is being lifted**. No person should enter a vehicle which is supported by a jack or by vehicle support stands. No person should lean into a vehicle which is supported by a jack or by vehicle support stands.

4.) **No person should get bodily under a vehicle that is supported by a hydraulic trolley jack**.

5.) Clear obstructions from work area. Working in tight or cluttered work areas is dangerous.

6.) **The hydraulic trolley jack should be used for lifting and lowering only; the raised vehicle should be supported on vehicle support stands**.

7.) Be sure jack and vehicle are on solid, level ground such as paved or concrete driveway or garage floor. **The hydraulic jack should be used on a hard level surface and be free to roll during lifting and lowering**. Uneven or sloped surfaces create hazardous working conditions and dangerously impeded the function of the jack.

8.) With vehicle in proper position, set vehicle's parking brake or emergency brake and put gearshift in park (manual transmissions should be placed in lowest gear). TURN VEHICLE IGNITION OFF AND TO THE "LOCK" POSITION making sure steering wheel locks.

9.) **The unlifted wheels of the vehicle should be chocked**. Do not rely on vehicle transmission or brakes to hold vehicle in position. Chock all wheels of vehicle not being lifted off the ground to prevent vehicle rolling. Using wedge-shaped blocks that the tyre cannot roll over, position one chock tight against the tyre in both forward and reverse rolling paths.

10.) **The load should be centrally located on the head cap**. Off centre loads can be unstable.

11.) The hydraulic trolley jack should be used for lifting and lowering only; the raised vehicle should be supported on vehicle support stands. Vehicle support stands (not included) will be needed to support vehicle once it is in raised position. Have jack stands, vehicle support stands capable of supporting vehicle weight ready nearby for use. Read and understand jack stand manufacturer's instructions and safety information before use and before lifting the vehicle with this jack.

12.) Plan location of jack beneath vehicle, making sure jack will be contacting only a jack support area of vehicle. Consult vehicle owner's manual for location of jack support areas.

Lifting Vehicle

Lifting a vehicle using a jack can be dangerous. Follow all instructions and precautions below. Do not lift any vehicle with its engine running or start any vehicle that is supported by jack or jack stands.

1.) With lifting arm completely lowered, roll jack into position beneath jack support area of vehicle.
2.) Twist jack handle completely clockwise. Slowly pump handle until lifting head cap just begins to contact support area on underside of vehicle.
3.) Inspect position of head cap beneath support area, making sure it is centered and properly engaging support area.
4.) Continue pumping handle until vehicle is lifted to desired height. Pay attention to head cap position as vehicle is being raised to be sure there is no danger of support area slipping off or lifting from the head cap.
5.) Place jack stands under additional vehicle support areas.
6.) SLOWLY twist jack handle counterclockwise to ease vehicle down onto jack stands.

Working on Vehicle

Any vehicle being supported by a jack or jack stands creates a potentially hazardous working environment. Do not move or roll a jack that is supporting a vehicle. Never place any part of your body beneath a vehicle supported by a jack. Be careful of forces applied to vehicle such as torque on a nut or bolt. These forces could cause vehicle to become unstable on jack stands if jack stands are not properly placed. Do not turn vehicle ignition or attempt to start any vehicle supported by jack or jack stands.

Lowering Vehicle

Before lowering vehicle, be sure area under and near vehicle is clear of all persons and obstructions.

1.) Re-position jack under same support area used to lift vehicle.
2.) Twists handle completely clockwise. Pump handle until head cap just makes contact with support area under vehicle.
3.) Check to be sure head cap is centered under support area. Slowly pump handle to lift vehicle off from jack stands.
4.) Remove jack stands, setting them aside, well clear of vehicle.
5.) With firm grip on jack handle, SLOWLY twist handle counterclockwise until jack just begins to lower.
6.) Carefully control speed of descending vehicle. Lowering a vehicle too fast can cause property damage or injury.

MAINTENANCE AND STORAGE

Lubricating

All moving parts on jack should be lubricated every month with a general purpose grease to maintain efficient operation. Apply grease to joints on lift arm hinges, push rods; handle base, rear caster wheels, front roller, etc. Lifting arm pivot point #37 needs to be well lubricated or jack may make creaking sounds under heavy loads.

Maintaining Oil Level

Important Note:

When adding or replacing oil, always use SAE 10 Hydraulic Jack Oil. Avoid mixing types of oil. DO NOT use Brake Fluid, Alcohol, Glycerin, Detergent, Motor Oil or Dirty Oil, Improper fluid can cause serious internal damage to Jack.

Adding Oil:

With head cap fully lowered & jack on level ground, remove Air Vent Valve. Oil level should be visible at the air vent valve hole approx 12 mm below valve hole, do not overfill. If low, add oil as needed then close air vent valve.

Replacing Oil:

For better performance & longevity, replace oil supply once a year. To drain oil, open Air Vent Valve and loosen the release Valve by turning handle counter clockwise. BE VERY CAREFUL not to permit dirt or foreign matter to get into the system. Invert jack over suitable container and allow oil to drain. Close release valve by turning handle clockwise, fill with SAE 10 Hydraulic Jack Oil close Air Vent Valve wipe away any spilt fluid. Test jack before lifting a load.

Cleaning

Jack should be wiped clean with soft cloth only. Do not use gasoline, kerosene, or other such solvents or any abrasive cleanser as cleaning agents and solvents will cause deterioration of the hydraulic seals.

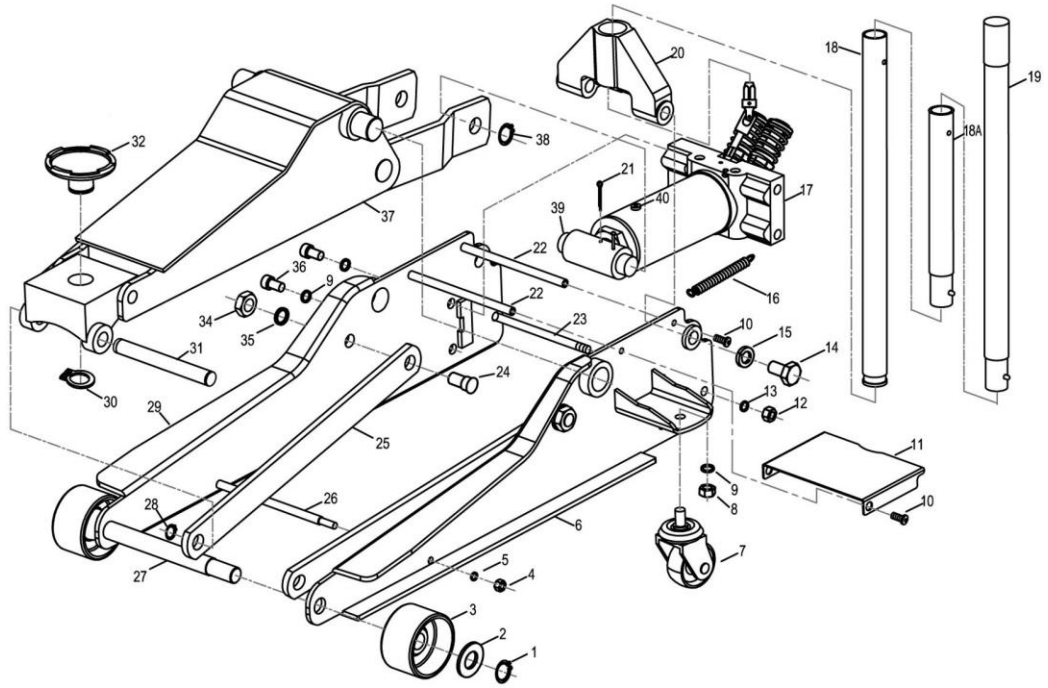
Storage

Before storage, twist handle 1-1/2 turns counter clockwise to release pressure in hydraulic cylinder. Leave handle in this position. Store jack on a level surface, in a clean environment preferably indoors, in a dry area to protect jack from moisture.

Repairing Jack

There are no user serviceable parts except as outlined above. Only trained, licensed and certified repair personnel should attempt any repairs or replacing of parts. Any modifications to this jack, except those performed by the manufacturer, or their designee, will void all warranties both written and implied.

Hydraulic Trolley Jack Parts List



ITEM No.	DESCRIPTION	Q'TY
1	"C" RING No.20	2
2	FLAT WASHER	2
3	FRONT WHEEL	2
4	NUT M8	2
5	SPRING WASHER No.8	2
6	LEFT FRAME	1
7	REAR WHEEL SET	2
8	NUT M12	2
9	SPRING WASHER No.12	6
10	SCREW M8	4
11	COVER	1
12	NUT M10	2
13	SPRING WASHER No.10	2
14	BOLT	2
15	SPRING WASHER No.18	2
16	RETAINING SPRING	1
17	POWER UNIT	1
18	HANDLE, LOWER	1
18A	HANDLE MIDDLE	1
19	HANDLE, UPPER	1
20	HANDLE BASE	1

ITEM No.	DESCRIPTION	Q'TY
21	COTTER PIN	1
22	SHAFT	2
23	PULL LINK SHAFT	1
24	SCREW	2
25	LINK ROD	2
26	LINK SHAFT	1
27	FRONT WHEEL AXIS	1
28	"C" RING No.18	2
29	RIGHT FRAME	1
30	"C" RING No.30	1
31	SHAFT	1
32	SADDLE	1
33	NOT USED	
34	NUT M16	2
35	SPRING WASHER No.16	2
36	BOLT	4
37	LIFTING ARM	1
38	"C" RING No.25	2
39	PISTON ROD AXIS	1
40	OIL FILLER HOLE	1

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