



HYDRAULIC TRANSMISSION JACK

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Owner's Assembly and Operating Manual

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SPECIFICATIONS

Working Load limit	500 KG
Height lowered	170 mm
Height raised	680 mm
Handle Length	600 mm
Total Weight:	45 KG
Part Number	K12068

IMPORTANT SAFETY INFORMATION

The use of a transmission 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 prior to using this tool. Do not exceed maximum lifting capacity of 500 kg. This Transmission jack is intended for automotive use only. Be aware that large or heavy transmissions may exceed the stated capacity check vehicle owners manual or contact the transmission manufacturer. Do not use for any other purpose except the raising and lower of transmission, gear boxes, or differentials. Never use to raise a vehicle, structure or building, do not lift any human load and never ride on the Transmission jack.

UNPACKING AND ASSEMBLING JACK

Unpacking Carton

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

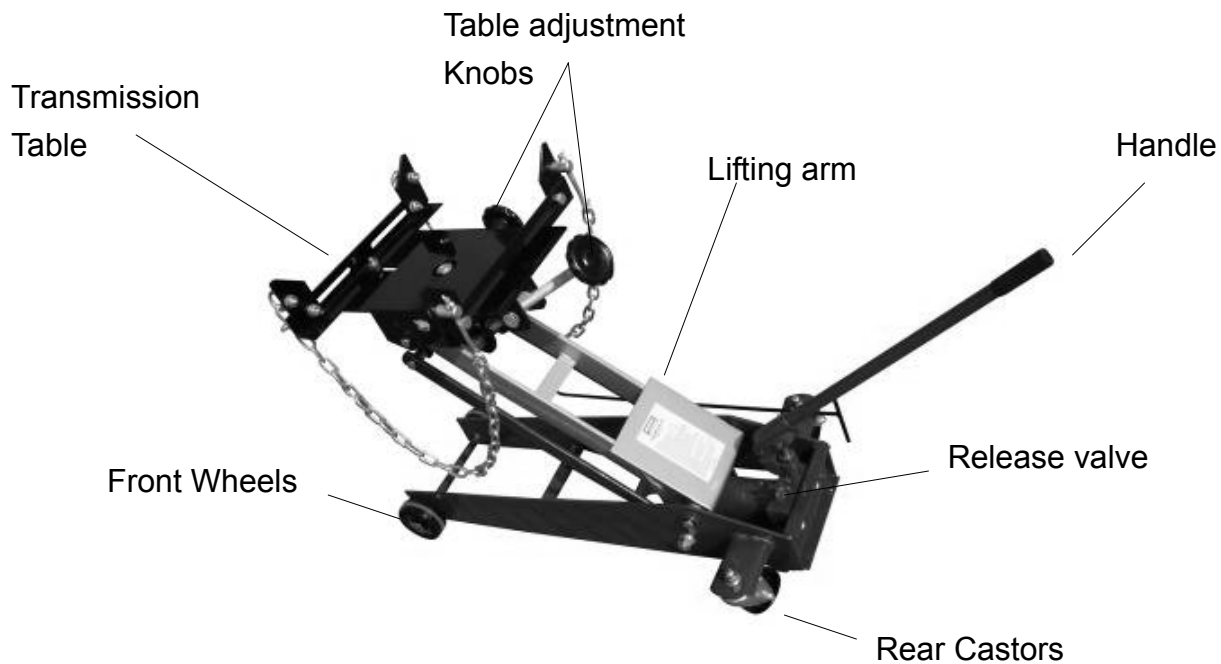
Handle - Handle Wrench

With the jack sitting on its wheels on a flat surface, place handle wrench over release valve. Turn handle slowly clockwise until firm DO NOT over tighten. Remove handle from release valve and slide handle into handle sleeve.



Testing Handle Operation

Briefly test jack operation as follows BEFORE using to lift any load. With handle on the release valve turning clockwise or counter clock wise 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. Take handle from release valve and place in handle sleeve, Pump handle a few times to raise jack about halfway. If jack does not begin to rise after a few pumps, check to make sure the release valve is tight. With jack raised, place handle on release valve 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 the transmission jack, it is important to prepare work area properly. Follow this procedure each time the transmission 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.) Consult vehicle owner's manual for safety precautions, Transmission weight, and location of support areas on transmission. The working load limit of the transmission jack is 500 kg. **NEVER EXCEED WORKING LOAD LIMIT OF TRANSMISSION JACK.**
- 3.) Clear children and others from work area before commencing work. Another adult should be nearby for extra safety and assistance but must be clear of vehicle as it is worked on.
- 4.) Clear obstructions from work area. Working in tight or cluttered work areas is dangerous.
- 5.) Be sure transmission jack and vehicle are on solid, level ground such as paved or concrete driveway or garage floor so the jack is free to roll during lifting and lowering. Uneven or sloped surfaces create hazardous working conditions and dangerously impeded the function of the jack.
- 6.) 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.
- 7.) Chock all wheels of vehicle to prevent vehicle rolling. Using wedge-shaped blocks that tyre cannot roll over, position one chock tight against the tyre in both forward and reverse rolling paths.
- 8.) Plan location of transmission jack beneath vehicle, making sure transmission jack will be contacting only the transmission area of vehicle. Consult vehicle owner's manual for recommended areas.

Using Transmission Jack

- Lifting a transmission, gearbox, or differential using a transmission jack can be dangerous. This transmission jack is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of a transmission jack, do not use until proper training and knowledge have been obtained.

Follow all instructions and precautions below.

- 1.) With lifting arm completely lowered, roll jack into position beneath the transmission of the vehicle.
- 2.) Twist jack handle completely clockwise to close release valve. Place handle in handle sleeve and slowly pump handle until transmission table just begins to contact support area on underside of transmission
- 3.) Adjust the table travel screw and the slant angle screw to align table with the angle of the transmission.
- 4.) Inspect position of transmission table making sure it is centered and properly engaging the transmission.
- 5.) Adjust the jaws and chains to secure the transmission to the transmission table.
- 6.) Pump handle again until transmission table is firm against the transmission – recheck securing chains and table jaws are firm and secure
- 7.) Undo transmission from vehicle
- 8.) Return jack handle to release valve and very slowly turn counter clockwise. Slowly and smoothly lower transmission excessive speed or jerky motion can cause the transmission to slip leading to property damage or personal injury.

Working on Vehicle

Any transmission being supported by a jack creates a potentially hazardous working environment.

Never place any part of your body beneath a transmission supported by a jack. Be careful of forces applied to transmission such as torque on a nut or bolt these forces could cause transmission to become unstable on transmission table.

MAINTENANCE AND STORAGE

Lubricating

Moving parts on jack should be lubricated occasionally with a light machine oil to maintain efficient operation. Apply oil to joints on lift arm hinges, push rods, handle base, rear caster wheels, front wheels, transmission table clamps, and adjusting screws wipe away excess oil with soft cloth.

Maintaining Oil Level

Important Note:

When adding or replacing oil, always use a good grade 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 transmission table fully lowered & jack on level ground, remove Air Vent Valve. Oil level should be approx 12 mm below valve hole. 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 counterclockwise. BE VERY CAREFUL not to permit dirt or foreign matter to get into the system. Close release valve by turning handle clockwise, fill with good grade Hydraulic Jack Oil close Air Vent Valve wipe away any spilt fluid. Test jack before lifting a load.

Cleaning

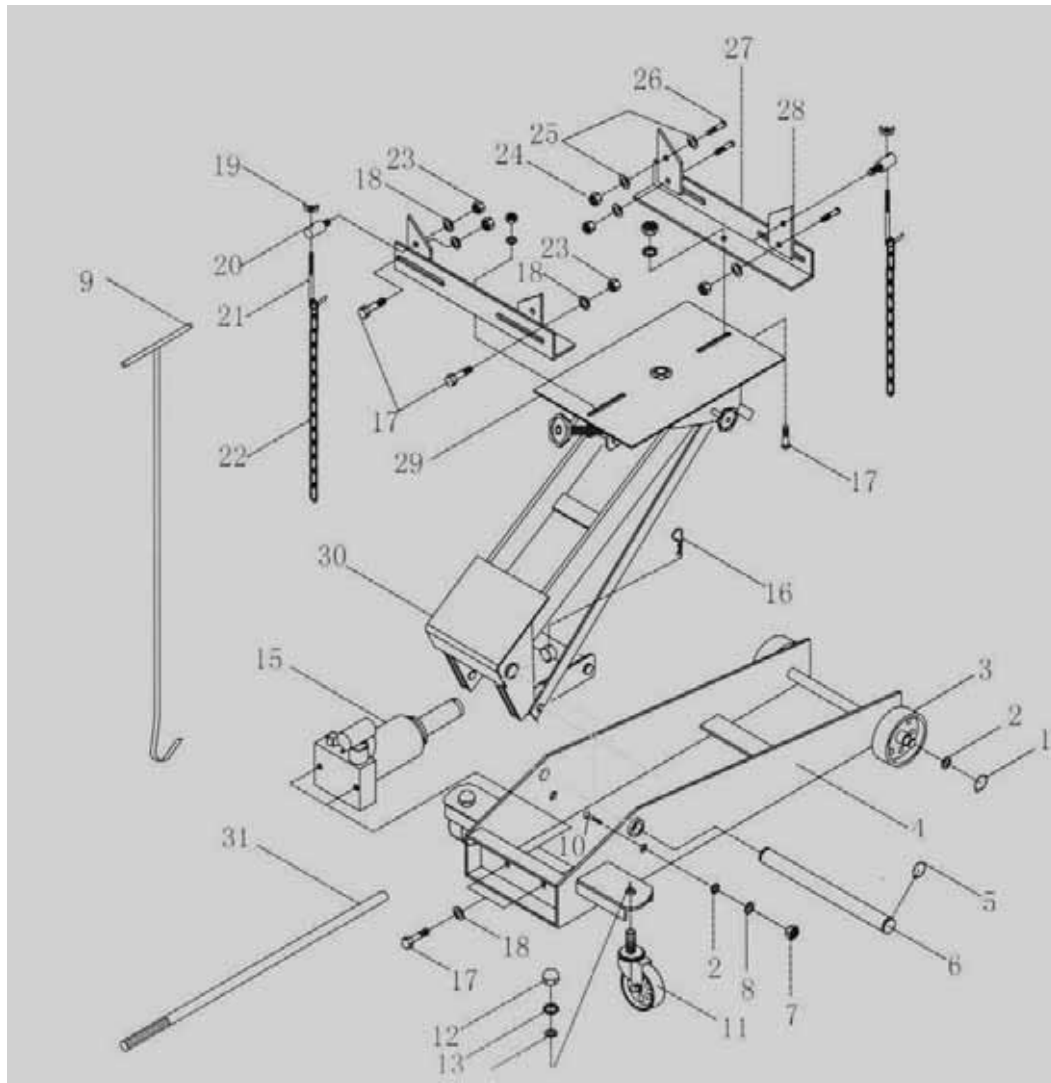
Jack should be wiped clean with soft cloth only. Do not use gasoline, kerosene, or other such solvents or any abrasive cleanser as cleaning agents and solvents will cause deterioration of the hydraulic seals.

Storage

Before storage, twist release valve 1-1/2 turns counterclockwise to release pressure in hydraulic cylinder. Store jack level, 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.



No.	Description	Qty	No.	Description	Qty
1	14 mm Snap Spring	2	16	Cotter Pin	1
2	14 mm Washer	4	17	M10 x 20 Screw	6
3	3.5" Wheel	2	18	10 mm Washer	8
4	Base	1	19	8 mm Bolt	2
5	18 mm Snap Spring	2	20	Connector	2
6	φ18 x 22 Pin	1	21	M8 x 50 Hook	2
7	M14 Nut	2	22	Chain	2
8	φ14 Washer	2	23	M10 Bolt	8
9	Positioning Handle	1	24	M8 Bolt	4
10	M14 x 30 Screw	2	25	8 mm Washer	6
11	3.5" Caster	2	26	M8 x 20 Screw	4
12	M12 Bolt	2	27	Angle Iron	2
13	φ12 Washer	2	28	Sheet Iron	4
14	φ12 Washer	2	29	Transmission Platform	1
15	Pump	1	30	Bracket	1
			31	Pump Handle	1

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