

# GARAGE JACK OPERATION MANUAL

NO.9TY111  
NO.9TY112



WARNING



Please wear proper safety gear while working.

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Enjoy your work

KT NO.	Capacity	Work range (mm)
9TY111-035-B	3.5T	172~372
9TY111-05-B	5T	218~474
9TY111-10-B	10T	220~483
9TY111-15-B	15T	228~508
9TY111-20-B	20T	241~525

KT NO.	Capacity	Work range (mm)
9TY112-02A-B	2T	175~339
9TY112-03A-B	3T	190~368
9TY112-04A-B	4T	190~368
9TY112-05A-B	5T	210~407
9TY112-06A-B	6T	210~407
9TY112-08A-B	8T	225~450
9TY112-10A-B	10T	225~450
9TY112-12A-B	12T	230~465
9TY112-15A-B	15T	230~460
9TY112-16A-B	16T	230~460
9TY112-20A-B	20T	240~450
9TY112-32A-B	32T	260~420
9TY112-50A-B	50T	280~450

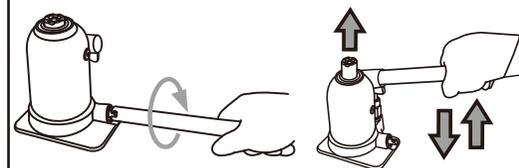
- The owner must make sure that the user has fully understood all instructions and warnings.
- Safety information shall be emphasized and understood prior to use. The jack shall be inspected as per the instruction manual prior to use.

## RAISING & LOWERING VEHICLE

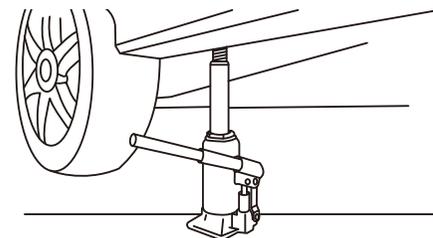
- Make sure the jack and vehicle are on a hard level surface.
- Consult the vehicle owner's manual to ascertain the location of jack points and position the jack beneath the prescribed lift point.
- Jacks are not designed to maintain heavy loads for long periods of time.



1. Always set the vehicle parking brake and block the wheels.



2. Place the handle into the socket and pump up and down to raise the vehicle.



3. Place jack stands beneath the vehicle . Do not get under the vehicle without jack stands.



4. After use, turn the release valve slowly counterclockwise to lower the vehicle onto the ground. (Do not get under or let anyone else under the vehicle while lowering.)
5. Remove the jack stands.

## INSPECTION

- The product shall be maintained in accordance with the product instructions.
- No alterations shall be made to this product.
- Before use, a visual inspection shall be made for abnormal conditions such as cracked welds, damage, bent, worn, lose or missing parts.
- The product shall be inspected immediately if it is believed to have been subjected to abnormal load or shock.

## MAINTENANCE

- Monthly maintenance is recommended.
- Lubrication is more important to jacks, any restriction due to dirt, rust, etc., can cause either slow movement or cause extremely rapid jerks, damaging the internal components.

### The following steps are designed to keep the jack maintained:

- Lubricate the ram, linkages, saddle and pump mechanism with light oil.
- Visually inspect for cracked welds, bent, loose, missing parts or hydraulic leaks.
- Any hydraulic jack found damaged in any way, is found to be worn or operates abnormally shall be stoping work until repaired.
- Clean all surfaces and maintain all labels and warnings.
- Check and maintain the ram oil level.
- Check the ram every three months for any sign of rust or corrosion.
- Clean as needed and wipe with an oil cloth.
- When not in use, always leave the saddle and ram all the way down.
- Always store your jack in the fully lowered position. This will help protect critical areas from corrosion.
- Do not use brake, transmission fluids or regular motor oil as they can damage the seals.

## CHECK OIL LEVEL

1. Turn release valve counterclockwise to allow ram to fully retract. It may be necessary to apply force to the saddle for lowering.
2. Remove the inspection plate.
3. With the jack in the level position, remove the oil fill plug. Stand jack in vertical position with handle socket down. The oil should be level with the bottom of the fill hole. If not, top off, do not overfill. Always fill with new clean hydraulic jack oil.
4. Replace fill plug and inspection plate.
5. Check jack operation. 6. Purge air from system as required.

## TROUBLE SHOOTING

### System purge:

1. Turn the release valve counterclockwise one full turn to open.
2. Pump the handle eight full strokes.
3. Turn the release valve clockwise.
4. Pump the handle until the ram reaches maximum height and continue to pump several times to remove trapped air in the ram.
5. Carefully and slowly pinch the oil fill plug to release trapped air.
6. Turn the release valve counterclockwise one full turn and lower the ram to the lowest position. Use force if necessary.
7. Turn the release valve clockwise to closed position and check for proper pump action. It may be necessary to perform the above more than once to completely evacuate all the trapped air.

## TROUBLE SHOOTING

Problem	Possible cause
Jack will not lift to full height	Low oil level
Jack will not hold load	Release valve not closing hydraulic jack oil contaminated pump valves not sealing cylinder ram binding
Lift arm will not lower	Cylinder ram binding parts worn internal damage broken return spring or unlocked lift arm linkage bent or binding

## WARNING :

- Read, study and understand all warning and operation instructions prior to use.
- Do not overload this jack beyond its rated capacity.
- This jack is a lifting device only.
- This jack is designed for use on hard level surfaces only.
- Lift only on areas of the vehicle as specified by the manufacturer.
- Failure to heed these warnings may result in damage to jack and/or failure resulting in personal injury or property damage.
- Inspect before each use.