



## **OPERATING INSTRUCTIONS - 527**

**IMPORTANT: READ THESE INSTRUCTIONS AND ALL WARNINGS PRIOR TO USING THIS EQUIPMENT. UNDERSTAND ALL OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS. FAILURE TO DO SO COULD CAUSE AN ACCIDENT RESULTING IN SERIOUS OR FATAL INJURY AND/OR PERSONAL PROPERTY DAMAGE.**

### **WARNING**

The use of portable automotive lifting devices is subject to certain hazards that cannot be prevented by mechanical means, but only by exercise of intelligence, care, and common sense. It is therefore essential to have personnel involved in the use and operation of equipment who are careful, competent, trained, and qualified in the safe operation of this equipment and its proper use when servicing motor vehicles and their components. Examples of hazards are dropping, tipping, or slipping of motor vehicles or their components caused primarily by improperly securing loads, overloading, off-centered loads, use on other than hard level surfaces, and using equipment for a purpose for which it was not designed. This device is not to be altered or modified in anyway. Only Strongarm supplied attachments and/or adapters shall be used on this device. Refer to vehicle's service manual or manufacturer prior to lifting for the recommended jack lifting points and jack stand support surfaces. Prior to lifting a vehicle the parking brake is to be released with the vehicle in neutral and chock the wheels not being lifted at the end of the vehicle. Do not exceed the maximum capacity of 3 ton @ 100 PSI, 4 ½ ton @ 140 PSI and 5 ½ ton @ 160 PSI. Ensure that the load is always centered on the two lift saddles of the device and that an equal amount of load is applied to each saddle. The devices telescopic arms can be extended. Ensure that the arms are extended equally. This device was designed only for lifting purposes; the vehicle is to be supported by jack stands before beginning work on the vehicle. If the jack is in use and there is a sudden loss of load this will cause the main lift cylinder and the saddles to quickly rise with a lot of force and could cause serious personal injury and/or property damage.

The owner and / or operator shall study and understand the product and safety instructions before operating this equipment. Safety information shall be emphasized and understood. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser / owner or his designee, making sure that the operator comprehends their contents. **A copy of these instructions / warnings shall be retained for future reference.**

### **INSPECTION**

Visual inspection shall be made before each use of this equipment, checking for abnormal conditions, such as cracked welds, leaks, damaged, loose or missing parts. This equipment shall be removed immediately from service if it is believed to have been subjected to an abnormal or shock load, the equipment shall be inspected by a qualified repair facility. Owners and / or operators should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that this equipment be inspected annually by a qualified repair facility. Defective parts, decals, safety labels or signs should be replaced with Strongarm specified parts.

### **MAINTENANCE**

- Periodically lubricate the wheel axle and lightly on the front and sides of the upright center ram tube only with a general purpose grease. Always keep the saddle free of grease, lubricant and any other debris.
- The tires are always to be at 25 PSI air pressure.
- Before each use, inspect the jack and do not use if any part of the jack is cracked, broken, bent, damaged or is leaking air. If any damage is found contact Strongarm customer service and have the jack repaired by a qualified repair facility.
- Store unit in fully retracted position to avoid rusting of lift piston.

### OPERATING INSTRUCTIONS - 527

#### ASSEMBLY

- 1) Insert desired saddles or drop axle adapter.
- 2) The jack is shipped with the regular saddle risers at the highest position. To obtain the lowest jack position, remove the nut and bolt that secures the arms to the jack then remove the extendable arms and turn them upside down and then insert them back into the jack. Secure with the nut and bolt. This jack also comes with higher saddle risers and drop axle adapters. The higher saddle risers include height adjustment holes that the accompanying "L" shaped pins fit into. The pins go through the holes of the risers and the saddles with both ends of the pins sticking out of the saddle.

#### LIFTING

- 1) Refer to vehicle manufacturer's recommended lifting points. Ensure that the lift points are free from grease or any kind of lubricant or debris. Position the jack in the lowered position under the vehicle according to the recommended lifting points; ensure that the load is centered on the saddles.
- 2) Secure the vehicle by releasing the parking brake, placing the transmission in neutral and chocking wheels that are not being lifted.
- 3) Connect the shop air line to the jack's air valve. **DO NOT EXCEED 160 PSI.**
- 4) The jack has a three position air valve lever. The center position is neutral, the right position is to raise and the left position is to lower the jack.
- 5) Depress air valve lever lightly to the right until saddle makes contact with recommended lifting points, (ensure lifting points are aligned properly and safely). Raise load to desired height.
- 6) **WARNING:** During lifting ensure load and jack are stable, if either appear to be unstable, stop lifting, lower load and reposition jack.
- 7) As vehicle is lifting, there will be a clicking sound as the safety lock skips over the five step positions. Once at the desired height check that the safety lock is sitting on one of the five step positions. If it is not at one of the five positions, raise or lower the jack to the closest step position.
- 8) **IMMEDIATELY** after reaching desired height, secure load with appropriately rated safety stands. (refer to vehicle manufacturer's recommended positioning). Safety stands are not to be used to simultaneously support both ends of or one side of a vehicle. The safety lock must be disengaged before lowering the vehicle onto the jack stands. Raise the jack slightly and then disengage the safety lock, next lower the jack until the vehicle is resting on the safety stands. Ensure that the vehicle is sitting on the safety stands saddle.

#### LOWERING

- 1) Raise load high enough to remove safety stands.
- 2) **WARNING:** Ensure load does not shift or become unstable when lifting. If load is unstable, slowly lower load back on to the safety stands. Correct instability and try again.
- 3) Carefully remove safety stands.
- 4) Lower load slowly.

#### WARNING

- 1) Study, understand and follow all instructions before operating this device.
- 2) Only use this device on hard level surfaces.
- 3) This device is not to be altered or modified in anyway.
- 4) Only Strongarm supplied attachments and/or adapters shall be used on this device.
- 5) Refer to vehicle's service manual or manufacturer prior to lifting for the recommended jack lifting points and jack stand support surfaces.
- 6) Prior to lifting a vehicle, the parking brake is to be released with the vehicle in neutral and chock the wheels not being lifted at the end of the vehicle.
- 7) Ensure that the load is always centered on the two lift saddles of the device and that an equal amount of load is applied to each saddle. The devices telescopic arms can be extended. Ensure that the arms are extended equally.



**OPERATING INSTRUCTIONS - 527**

**WARNING cont'd**

- 8) Do not exceed the maximum capacity of 3 ton @ 100 PSI, 4 ½ ton @ 140 PSI and 5 ½ ton @ 160 PSI.
- 9) This device was designed only for lifting purposes; the vehicle is to be supported by jack stands before beginning work on the vehicle.
- 10) The maximum reach of this device is 45" between the center line of the lifting saddles and the red line on the warning label attached to the lift arm. As the jack lifts the vehicle and the saddles rise, the reach diminishes. The maximum lifted reach is 40". Make sure the front of the vehicle is not closer to the lifting cylinder than the red line on the warning label prior to lifting.
- 11) If the jack is in use and there is a sudden loss of load this will cause the main lift cylinder and the saddles to quickly rise up with a lot of force and could cause serious personal injury and/or property damage.
- 12) The owner and / or operator shall study and understand the product and safety instructions before operating this equipment. Safety information shall be emphasized and understood. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser / owner or his designee, making sure that the operator comprehends their contents. **A copy of these instructions / warnings shall be retained for future reference.**
- 13) In the event of an air leak, discontinue use immediately and have an authorized service depot repair before using again.
- 14) Failure to heed these marking may result in personal injury and/or property damage.