

22 Ton Capacity Air / Hydraulic Truck Jack

Model: ASM1912



ASM HD

INTENDED USE:

Air/Hydraulic truck jacks are self-contained and designed for lifting but not supporting a load.

SPECIFICATIONS:

Capacity (Ton) @ 110 to 120 psi:	22
Minimum Height (in.):	8-13/16
Maximum Height (in.):	21-1/2
Stroke (in.):	4-7/8
Extension Screw (in.):	4
Handle Length (in.):	48-3/8
Adapter Sizes (in.):	.8 / 2.4 / 3.9
Weight (lb.):	72.8



WARNING

- Study, understand, and follow all instructions before operating this jack. Jack owner is responsible to have the manual and all warnings understood by all non-speaking English users in their own native language.
- Technician and any person near an operating jack under load shall wear eye protection that meets ANSI Z87.1 and OSHA Standards.
- Lift only on areas of the vehicle as specified by the vehicle manufacturer.
- Only attachments and/or adapters supplied by the jack manufacturer shall be used.
- Do not exceed the rated capacity.
- Use only on a hard, level surface capable of supporting load.
- Support the vehicle with a pair of jack stands with no less of a capacity than the jack, immediately after lifting a load.
- Do not use the jack to support a vehicle.
- Center load on saddle.
- No alterations or modifications shall be made to this jack.
- Failure to heed these warnings may result in property damage, personal injury or death.
- **WARNING:** Cancer and reproductive harm – www.P65Warnings.ca.gov

SETUP

1. Refer to the exploded view drawing and parts list for part identification when following SETUP instructions.
2. Remove the lower screw (#19) on the connecting shaft (#20).
3. Tighten screw (#19) with 5mm Allen wrench.
4. Remove the nut (#23) from the positioning pin (#21).
5. Remove the R pin (#22) from the positioning pin (#21).
6. Insert the positioning pin (#21) from below the tab on the lower handle assembly (#18), then install the nut (#23)
7. Connect the positioning pin (#21) with connecting rod assembly (#25) until the R pin hole is above the assembly tab.
8. Once complete, put the R pin back (#22).
9. Insert the handle assembly into the handle socket (#10).
10. Turn the release knob (#31) and slightly move the handle to allow the U-joint to fall into position.
11. Tighten screw (#17) on the handle socket.

12. Locate the adapter holder (#43) and remove the pre-assembled nuts (#23).
13. Remove the 2 U-bolts (#42).
14. Fix the adapter holder (#43) to the shaft with the U-bolts (#42) and nuts (#23).

NOTE: Install so one U-bolt is above the tab at the handle bottom (above the spring) and the other is above the tab in handle socket (#10). This will ensure stability of the holder

OPERATING INSTRUCTIONS

LIFTING A VEHICLE

1. Consult the vehicle manufacturer for the designated jack lift points.
2. Determine the required work height of the vehicle to make the repairs or service. If the jack's hydraulic stroke is not sufficient to achieve the desired work height, use the jack's ram extension screw and/or extension adapters (if provided) to make up the required lift height.
3. Chock the vehicle wheels that will not be lifted off the ground. Turn the vehicle engine off and make sure that the vehicle transmission is in Park or in gear and then apply the emergency brake before lifting the vehicle.
4. Attach the shop's air hose to the jack's air valve and make sure the air supply is at least 110 psi. Disengage the pump handle lock so the jack can be maneuvered and position directly below the vehicle's designated lift point. When in position, lock the handle in any available handle lock position. Turn the release knob at the top of the jack's pump handle in a clockwise rotation until it stops. Depress the jack's air valve lever until the jack's saddle is close to the vehicle's lift point.
5. Determine if the jack's saddle is aligned so the vehicle lift point is centered on the saddle. If properly aligned, continue to depress the jack's air valve until the saddle makes contact with the lift point and the vehicle is slightly higher than the desired work height. **IMPORTANT:** If during the lift procedure the setup looks unstable or the load starts to shift off the jack's saddle, lower the vehicle and make the required setup changes.
6. Immediately after the vehicle has been lifted slightly above its desired work height, position the jack stands directly under the vehicle's support points. **IMPORTANT:** Do not get under a

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vehicle to place or remove jack stands. Raise the jack stand support columns as close to the vehicle support points as possible and make sure the support columns are locked in position.

7. Turn the release knob at the top of the jack's pump handle very slowly in a counterclockwise rotation to lower the vehicle on the jack stands. **IMPORTANT:** Make sure the vehicle and jack stands are secure and stable before removing the jack from underneath the vehicle. If the setup looks unstable, raise the vehicle and correctly reposition the jack stands.
8. Continue to lower the jack until it clears the vehicle and remove it from underneath the vehicle.

LOWERING A VEHICLE

1. Repeat steps 3 through 5 under the Lifting a Vehicle instructions.
2. Raise the vehicle just high enough to clear contact with the stand's support columns and remove the stands from underneath the vehicle.
3. After the stands have been removed from under the vehicle, turn the jack's release valve very slowly in a counterclockwise rotation to lower the vehicle to the ground. Remove the jack from under the vehicle.

MAINTENANCE

1. The jack owner should develop a maintenance schedule based on its frequency of use and the environment.
2. The jack shall not be stored out in the open or exposed to inclement weather. A jack with signs of rust and corrosion will not be eligible for warranty consideration.
3. A jack used to support a vehicle or load in a wash rack or in a wet environment may be exposed to excessive fluid which can cause rust and corrosion inside the jack's pressure cylinder. This may also happen to a jack that is operated by a shop air supply that does not include a drier and lubricator. Any jack found to be inoperable due to rust and/or corrosion in the jack's air/hydraulic pump system will not be eligible for warranty consideration.
4. The jack owner is responsible for keeping jack warning labels and the owner's manual legible and in a common place for all users to see.
5. Inspect the jack before each use to make sure there are no loose or missing parts, fluid leaks and is operating as originally intended. In any adverse conditions, immediately remove the jack from service until repaired or replaced.
6. Based on the owner's maintenance schedule, the jack's extension screw (if provided), wheel axles, pump handle linkages and lock handle shall be lubricated with a lithium based grease.
7. It should not be necessary to refill the jack's hydraulic fluid reservoir unless a complete rebuild of the jack is conducted. Use only hydraulic jack oil. Any other automotive fluids like transmission fluid will ruin every seal in the jack and void warranty.

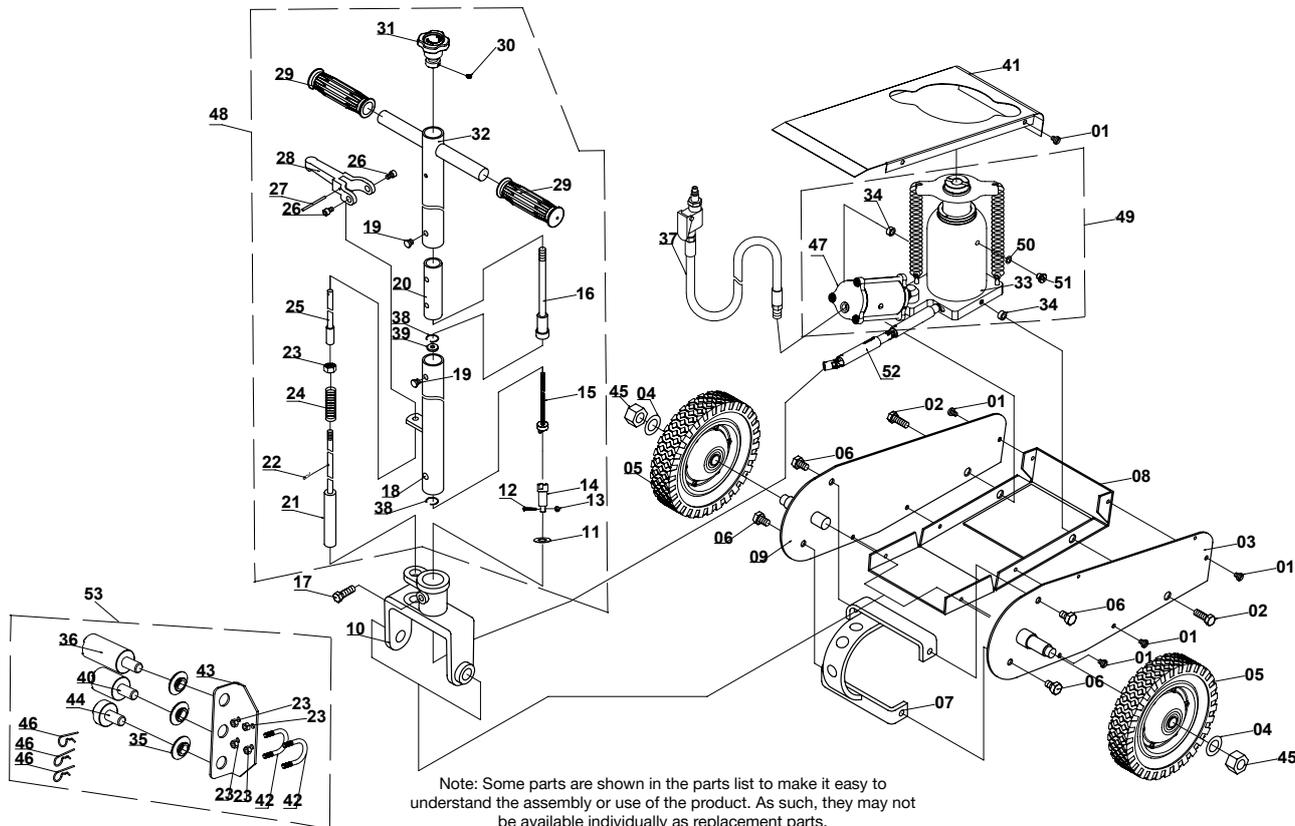
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PARTS LIST AND DIAGRAM



Index #	Ordering Part#	Ordering Part Description	Description	Qty.
1			SCREW	10
2			BOLT	2
3			MAIN FRAME, RIGHT	1
4	PRT1912-SK	SEAL KIT	FLAT WASHER	2
5	PRT1912-05	WHEEL	WHEEL	2
6			BOLT	4
7			HANDLE POSITION BRACKET	1
8			BOTTOM PLATE	1
9			MAIN FRAME, LEFT	1
10			HANDLE SOCKET	1
11			FLAT WASHER	1
12	PRT1912-SK	SEAL KIT	SCREW	1
13			LOCK NUT	1
14			JOINT	1
15			CONNECTING ROD ASSY	1
16			CONNECTING ROD ASSY	1
17			SCREW	1
18			LOWER HANDLE	1
19	PRT1912-SK	SEAL KIT	SCREW	2
20			CONNECTING SHAFT	1
21			POSITIONING PIN	1
22			R PIN	1
23			NUT	5
24			SPRING	1
25			CONNECTING ROD ASSY	1
26			SCREW	2
27			PIN	1
28			LOCKING LEVER	1
29			HANDLE SLEEVE	2

Index #	Ordering Part#	Ordering Part Description	Description	Qty.
30	PRT1912-30-31	RELEASE VALVE WITH SCREW	SCREW	1
31			RELEASE VALVE KNOB	1
32			UPPER HANDLE	1
33			PUMP ASSY	1
34	PRT1912-SK	SEAL KIT	WASHER	2
35			RUBBER CASE	3
36	PRT1912-36-44	SADDLE SET	SADDLE-3	1
37	PRT1912-37	AIR HOSE	AIR HOSE	1
38			RETAINER RING	2
39	PRT1912-SK	SEAL KIT	WASHER	1
40	PRT1912-36-44	SADDLE SET	SADDLE-2	1
41			COVER PLATE	1
42			U BOLT	2
43			ADAPTER RACK	1
44	PRT1912-36-44	SADDLE SET	SADDLE-1	1
45			LOCK NUT	2
46			R PIN	3
47	PRT1912-47	AIR MOTOR	AIR MOTOR	1
48	PRT1912-48	HANDLE ASSEMBLY	HANDLE ASSEMBLY	1
49	PRT1912-49	PUMP ASSY WITH AIR MOTOR		
50	PRT1912-SK	SEAL KIT	O-RING	1
51	PRT1912-SK	SEAL KIT	OIL FILLER PLUG	1
52	PRT1912-52	UNIVERSAL JOINT	UNIVERSAL JOINT	1
53	PRT1912-53	SADDLES WITH RACK	SADDLES WITH RACK	1
/	PRT1912-SK	SEAL KIT	SEAL KIT	1

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TROUBLESHOOTING

Symptom	Possible Cause	Remedy
Jack will not raise or sustain a load	Release valve is not closing.	Rotate release valve knob clockwise until tight.
	Air is trapped in the hydraulic system.	Follow the air bleeding procedure under SETUP.
	Load exceeds the rated capacity of the jack.	Check the weight of the vehicle and any load it is carrying. Use the correct capacity rated jack.
Jack will not lift to Maximum height	Air is trapped in hydraulic system.	Follow the air bleeding procedure under SETUP.
	Excessive or not enough hydraulic fluid in reservoir.	The fluid level should be as high as the bottom of the reservoir fill screw hole when ram is in a vertical position and retracted all the way.
	Load is excessive.	Check the weight of the vehicle and any load it is carrying. Use the correct capacity rated jack.
Jack will not lower all the way without load	Reservoir fluid level is too high.	The fluid level should be as high as the bottom of the reservoir fill screw hole when the ram is in a vertical position and retracted all the way.
	Ram or extension screw (if provided) is bent or damaged.	Repair, replace or contact Customer Service

1-YEAR LIMITED WARRANTY

AutoSport MFG warrants that AutoSport branded products are free from defects in workmanship and materials. We will repair or replace products that fail to give satisfactory service due to workmanship or materials.

The warranty for AutoSport branded products is ONE YEAR from the date of the original purchase. The proof of purchase must be available for any warranty consideration. Repair or replacement shall be at the sole direction of AutoSport Mfg.

AutoSport warranty is administered where the original purchase was made. AutoSport MFG will not provide any warranty for any product subjected to misuse, modification, unreasonable use, neglect, lack of maintenance or use after the unit is significantly worn.

CONTACT US

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