

## Model # MFJ35

## 3-1/2 Ton Capacity Service Jack



### Description

Model MFJ35 service jack is a self-contained device designed for lifting, but not sustaining, a partial vehicular load. It consists of a frame with wheels and swivel casters supporting a mechanism that actuates a pivoting lift arm equipped with a saddle. It is designed for use by professional auto mechanics.

### Before Use

Air may become trapped in the hydraulic system during transit. To purge air:

1. Open release valve by turning handle counterclockwise.
2. Pump handle rapidly 4 full strokes. This will expel air that may have entered hydraulic fluid passages during transit.
3. Close release valve by rotating handle clockwise and pump handle.
4. If lift arm raised, jack is ready for use. If not, repeat this procedure.

### Inspection

Visual inspection should be made before each use of the jack, checking for leaking hydraulic fluid and damaged, loose or missing parts. Each jack must be inspected by a manufacturer's repair facility immediately, if subjected to an abnormal load or shock. Any jack which appears to be damaged in any way, is found to be badly worn, or operates abnormally **MUST BE REMOVED FROM SERVICE** until necessary repairs are made by a manufacturer's authorized repair facility. It is recommended that an annual inspection of the jack be made by a manufacturer's authorized repair facility and that any defective parts, decals or warning labels be replaced with manufacturer's specified parts.

A list of authorized repair facilities is available from the manufacturer.



**! WARNING**

**THIS IS A LIFTING DEVICE ONLY. DO NOT MOVE OR DOLLY THE VEHICLE WHILE ON THE JACK. IMMEDIATELY AFTER LIFTING SUPPORT THE VEHICLE WITH APPROPRIATE MEANS.**

**DO NOT OVERLOAD. OVERLOADING CAN CAUSE DAMAGE TO OR FAILURE OF THE JACK.**

**LIFT ONLY ON AREAS OF THE VEHICLE AS SPECIFIED BY THE VEHICLE MANUFACTURER.**

**CENTER LOAD ON SADDLE PRIOR TO LIFTING. OFF-CENTER LOADS MAY CAUSE DAMAGE TO JACK, LOSS OF LOAD, PROPERTY DAMAGE, PERSONAL OR FATAL INJURY.**

**THIS JACK IS DESIGNED FOR USE ONLY ON HARD LEVEL SURFACES CAPABLE OF SUSTAINING THE LOAD. USE ON OTHER THAN HARD LEVEL SURFACES CAN RESULT IN JACK INSTABILITY AND POSSIBLE LOSS OF LOAD.**

**NO ALTERATIONS TO THE JACK SHALL BE MADE.**

**READ, STUDY AND UNDERSTAND THE OPERATING MANUAL PACKED WITH THIS JACK BEFORE OPERATING.**

**FAILURE TO HEED THESE WARNINGS MAY RESULT IN LOSS OF LOAD, DAMAGE TO JACK, AND/OR FAILURE RESULTING IN PROPERTY DAMAGE, PERSONAL OR FATAL INJURY.**



## Operating Instructions

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**IMPORTANT:** Before attempting to raise a vehicle, check vehicle service manual for recommended lifting surfaces.

1. **To raise load:** Close release valve tightly (by turning handle clockwise). **DO NOT OVERTIGHTEN.** Position jack under load so that saddle will contact load firmly and load is centered so it cannot slip. Operate jack handle until saddle approaches the load. Once again check to see that saddle is correctly positioned. Raise load to desired height. Place jack stands of appropriate capacity under the vehicle. **DO NOT CRAWL UNDER VEHICLE WHILE LIFTING VEHICLE OR PLACING OR REMOVING JACK STANDS!** Place jack stands at vehicle manufacturer's recommended lift areas that provide stable support for the raised vehicle.
2. **To lower load:** Open release valve **VERY SLOWLY** (by turning handle counterclockwise). When release valve is opened, saddle and load will be lowered. Lower the vehicle slowly so as not to shock load the jack stands. Once repairs are completed, raise vehicle enough to remove jack stands. Lower vehicle very slowly.

**CAUTION:** Keep hands or feet away from the hinge mechanism of the jack.

## Maintenance

**IMPORTANT:** When adding or replacing hydraulic fluid, always use a quality hydraulic fluid. DO NOT use brake fluid, alcohol, glycerine, detergent motor oil, or dirty oil as improper fluid can cause serious internal damage to jack.

To add hydraulic fluid: With saddle fully lowered and jack on level ground, remove filler plug. Hydraulic fluid should be filled to level of hydraulic fluid filler plug hole. If low, add hydraulic fluid as needed.

**Maintenance and Inspection:** The owner and/or user must maintain and inspect the jack in accordance with the manufacturer's instructions.

## Lubrication

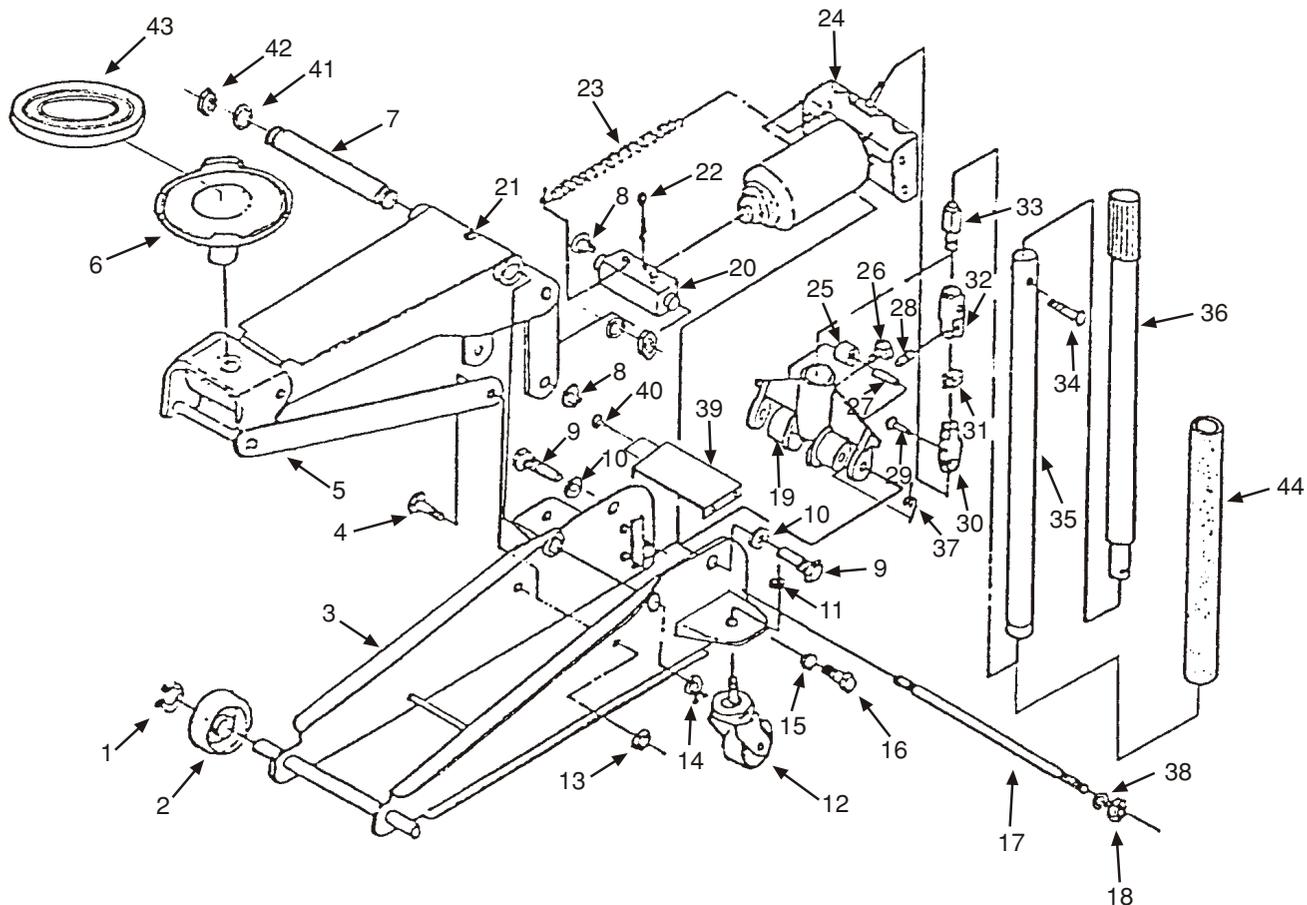
All moving joints require lubrication often. Remove handle and grease the lower end of handle where it rotates in the handle socket. Using a grease gun, grease the lift arm pivot shaft grease fitting until grease appears at the end of the shaft. Oil all lift arm linkages, front wheels and rear casters.

## Owner/User Responsibility

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this jack. Personnel involved in the use and operation of equipment shall be careful, competent, trained, and qualified in the safe operation of the equipment and its proper use when servicing motor vehicles and their components. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warning shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturers' instructions. Owner and/or user is responsible for keeping all warning labels and instruction manuals legible and intact. Replacement labels and literature are available from the manufacturer.

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Index No.	Part No.	Description	Qty.	Index No.	Part No.	Description	Qty.
1	3501	Retaining Ring	2	24	3524	Power Unit Assembly	1
2	3502	Wheel	2	25		Roll Wheel	1
3		Side Plate Assembly	1	26	3526	Bolt	1
4		Bolt	2	27		Pin 10x45	1
5		Linkage Assembly	1	28		Pin	1
6	3506	Saddle	1	29		Rivet 4x24	3
7		Shaft Arm	1	30	3530	Universal Joint	1
8		Retaining Ring 25	2	31		Squared Core	1
9		Bolt	2	32	3532	Universal Joint Upper	1
10		Lock Washer	2	33		Discharge Core	1
11		Lock Nut M16	2	34	3534	Hex Bolt M6x35	1
12	3512	Caster Assembly	2	35	3535	Handle Lower	1
13		Hex Nut M16	2	36	3536	Handle Upper	1
14		Retaining Ring 30	2	37	3537	Torsion Spring	2
15		Spring Washer 12	4	38		Washer 12	2
16		Hex Bolt M12x20	4	39		Inspection Plate	1
17		Pull Rod	1	40		Inspection Plate	1
18		Hex Nut M12	2			Screws	4
19		Handle Socket	1	41		Washer 24	2
20		Block Linkage	1	42		Hex Nut 24	2
21		Grease Fitting	1	43	3543	Rubber Saddle	1
22		Split Pin 4x25	1	44	3544	Handle Bumper	1
23		Spring	2	45	35SK	Complete Seal Kit	1

Only items identified by part number are available for purchase.

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<b>PROBLEM</b>	Jack will not lift load	Jack will not hold load or handle rises	Jack will not lift to its full height	Jack will not lower completely	Jack will not lift smoothly or jack feels spongy	<b>SOLUTION</b>
✓						The release valve is not closed. Turn the valve clockwise tightly.
✓		✓				Low on hydraulic fluid. Refill the jack to the correct level of hydraulic fluid.
✓						Pump seals and back-up ring is defective. Clean hydraulic fluid passages, replace seals and renew hydraulic fluid. (Must be serviced by qualified service center)
		✓		✓		The hydraulic system is filled with air. Open the release valve, pump handle rapidly (4) full strokes to purge air, close release valve.
			✓			Return spring is broken or linkages binding. Replace spring if broken. Grease pivot shaft, oil all lift arm linkages.
	✓					Discharge ball is not sealing hydraulic system and oil may be dirty. Manually flush hydraulic system by raising and lowering lift arm by hand. Open the release valve, as required to raise and lower the lift arm. Manually raise and lower lift arm.

### Warranty Notice...

#### Hydraulic Warranty Policy

Matco shop equipment and tools, excluding accessories, are warranted against defects in materials or workmanship for a period of 1 year from original purchase. We will repair or replace at our option any defective part or unit which proves to be defective in material or workmanship within this warranty plan. This warranty does not cover damage to equipment or tools arising from alteration, abuse or misuse, and does not cover any repairs or replacement made by anyone other than Matco or its authorized service centers.

The foregoing obligation is Matco Tools sole liability under this or any implied warranty and under no circumstances shall we be liable for any incidental or consequential damages.

**NOTE:** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Return equipment or parts to Matco Tools, or an authorized service center, transportation prepaid. Be certain to include your name and address, evidence of the purchase date, and description of the suspected defect.

If you have any questions about warranty service, please write to Matco Tools, Stow, OH 44224. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.