

Parts List and Operating Instructions for: FJ1500

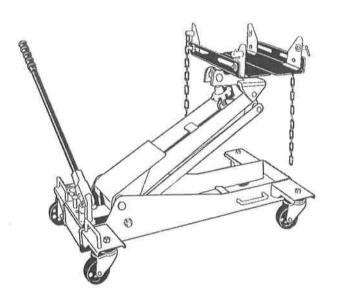
1-1/2 TON HYDRAULIC TRANSMISSION JACK

Safety Precautions



WARNING: To prevent personal injury,

- Read and understand all warnings and operating instructions. If the operator cannot read English, operating instructions and safety precautions must be read and discussed in the operator's native language.
- Tested to ANSI safety and performance requirements. Please retain these instructions for future reference.
- The vehicle should be properly supported before starting repairs.
- The use of this jack with recommended adaptors should be limited to the removal, installation and transportation of the transmission in the lowered position.
- DO NOT overload the jack beyond its rated capacity.
- Always use the chains to secure load on saddle.
- Use jack only on hard, level surfaces capable of sustaining the load.
- Make sure weight is evenly distributed.
- Owner and/or operator shall have an understanding of all operating instructions and warnings before operating the jack.
- Failure to heed these warnings may result in personal injury and/or property damage.
- This jack is designed for transmission and installation of automobile and light truck component parts. The Instructions must be carried out conscientiously in order to operate the jack safely and properly.



Operating Instructions

1. Exhausting:

During shipment and handling, especially after a long storage, air probably gets into the hydraulic system, causing poor lifting performance. So exhaust any air from the system before use.

Close release valve (turn knob clockwise). Loosen the air vent plug on the reservoir, then operate the handle until the empty saddle gets to the highest position.

b) Open the release valve (turn knob counterclockwise). While holding the empty saddle down, operate handle rapidly several times in order to exhaust the air in the system, then press air vent plug tightly.

2. Lifting:

a) Turn the knob clockwise until release valve closes. Do not overtighten the valve.

b) Place jack center directly under object to be lifted. Operate handle up and down within an angle of 60'. The jack can take up load immediately.

While lifting very heavy objects, the angle to operate must be within the limits of 45° so as to avoid damaging parts with the rapid increase of the operating force. (Full 360° rotating pump handle operates in any position).

c) After raising jack to required height, use jack stand to hold load.

3. Transmission:

a) Secure load tightly on the saddle with chains.

- b) Turn the release valve knob counterclockwise in order to lower the load to a lower position (about at the midpoint of the whole lifting height).
- c) The four handlebars on jack are used to move jack in any direction on level solid surface.

4. Saddle Adjusting:

For safe and proper use, the saddle can be adjusted according to the load base size and angle degree.

- a) Loosen the four bolts on saddle, adjust the four retaining plate assemble parts to their proper position, then twist bolts tightly. The saddle side adjustment is within the limits as shown in the specifications.
- Adjust the two regulating bolts on the saddle, then the saddle can be side tilted within the limits as shown in the specifications. The two
 bolts must be adjusted simultaneously in order to let the saddle stay in required angle and not sway.
 Turn the adjust handwheel under saddle. The saddle then can be tilted within the limits from forward to back as shown in the specifications.

5. Lowering:

Turn the knob counterclockwise until release valve opens. Saddle automatically lowers to its original position. Do not open release valve too fast, or saddle will go down quickly and do damage to load.

6. Oilina:

If jack needs re-oiling, please follow the methods below:

Take out the air vent plug, inject machine hydraulic oil into the plug. At the same time operate the handle for 3-5 times in order to guarantee the inner hydraulic system is full of oil. When oil is on a level with the edge under the oil-filling hole, stop oiling and press the air vent plug tightly.

7. Maintenance instruction:

a) Before operating the Jack, lubricate points (1)-(5) Indicated in the diagram.

Wheels: use light oil on axles and caster bearings.

Saddle and linkage: use light oil on all moving and pivoting parts.

Lifting arm: inject grease into moving parts.

Handle: use light oil on moving parts.

Linkage between handle and plunder: use grease to lubricate it.

- b) Check the hydraulic system: Every 4 months to make sure it is free from corrosion. If corrosion is present, clean the parts and remove rust, then re-oil according to the above mentioned oiling method.

 Always use good quality hydraulic jack oil. Do not mix the type of oil. When filling with hydraulic oil do not permit dirt or any other substance to enter the hydraulic system.
- c) Always store the jack with saddle full lowered and with release valve open.

VT0 Elevator Arm Connector Front/Back Tilt Screw DESCRIPTION Adjustable Base Pin Adjustable Base Pin Fitting Saddle Base Guide Arm Bushing Elevator Arm Assy. Elevator Arm Shaft Mandrel Connector Chain Connector Connector Screw Front Fitting Nut Angle Tilt Screw Back Fitting Nut Saddle Angle 3 Saddle Angle 2 Spring Washer Guide Arm Bolt Retaining Ring Oil Zerk Fitting Spring Washer Retaining Ring Saddle Angle 1 Spring Washer FJ1500R Hydraulic Jack Connector Pin Flat Plate Pin Frame Assy. Adjust Pin 1 Adjust Pin 2 Hook Screw Guide Arm Snap Ring T-Bearing Cotter Pin Cotter Pin Flat Plate Wing Nut Bushing Washer E-Ring Screw Washer Screw E-Ring Caster Screw Screw Chain Screw NE REF NO. PARTS NO. C0118 H0040 M0005 K0021 E0205 D0114 B0034 30018 H0023 C0019 H0060 H0014 B0120 J0052 C0121 E0545 B0123 10024 10025 E0193 E0195 B0124 B0126 E0200 B0125 E0199 H0016 E0201 B0127 H0063 B0128 J0054 H0062 B0035 H0022 H0024 E0059 B0122 J0053 D0344 H0029 E0194 C0109 E0203 90001 E0198 10027 J0051 H0058 10026 10023 10028 116 125 132 140 142 144 145 146 147 148 149 150 151 00 112 122 124 128 129 130 134 135 136 139 143 152 101 104 106 108 110 118 119 120 121 123 127 137 138 141 102 103 105 107 109 111 113 114 115 117 131 150 151 142 149 107 901 102 101 106 107 - 001 112 114 111 105 141 113 152 — TRANSMISSION JACK 109 138 148 132 108 143 -139 140 147 137 136 136 69 123 - 137 Œ 100 147 145 138 140 127 128 134 122 142 — 146 120 133 127 117

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