



**CSE-ASJ200**  
**2 TON CAPACITY**  
**ALUMINUM FLOOR JACK**  
**PARTS BREAKDOWN AND OPERATING MANUAL**

**! 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.**

**! WARNING**

**FOR YOUR SAFETY AND TO PREVENT INJURY:**

**Use jack for lifting purposes ONLY.**

**Always support vehicle with jack stands.**

**THIS OPERATING MANUAL CONTAINS IMPORTANT SAFETY INFORMATION. READ CAREFULLY AND UNDERSTAND ALL INFORMATION BEFORE OPERATING TOOL. SAVE THIS MANUAL FOR FUTURE USE.**

**PRIOR TO OPERATION:**

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.

**MAINTENANCE AND INSPECTION:**

**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.

**SPECIFICATIONS:**

Capacity . . . . .	2 TON Maximum
Minimum Height . . . . .	3-3/8"
Maximum Height . . . . .	17-3/4"
Length . . . . .	27-1/4"
Chassis Width . . . . .	11-5/8"
Handle Length . . . . .	17-3/4"
Saddle Diameter . . . . .	4-5/8"
Shipping Weight . . . . .	43 Lbs.

## OWNER/USER RESPONSIBILITY:

The owner and/or user must have a thorough understanding of the manufacturer's operating instructions and warnings before using the floor 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 warnings 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 manufacturer's instructions and pertinent warning information. 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.

## 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.

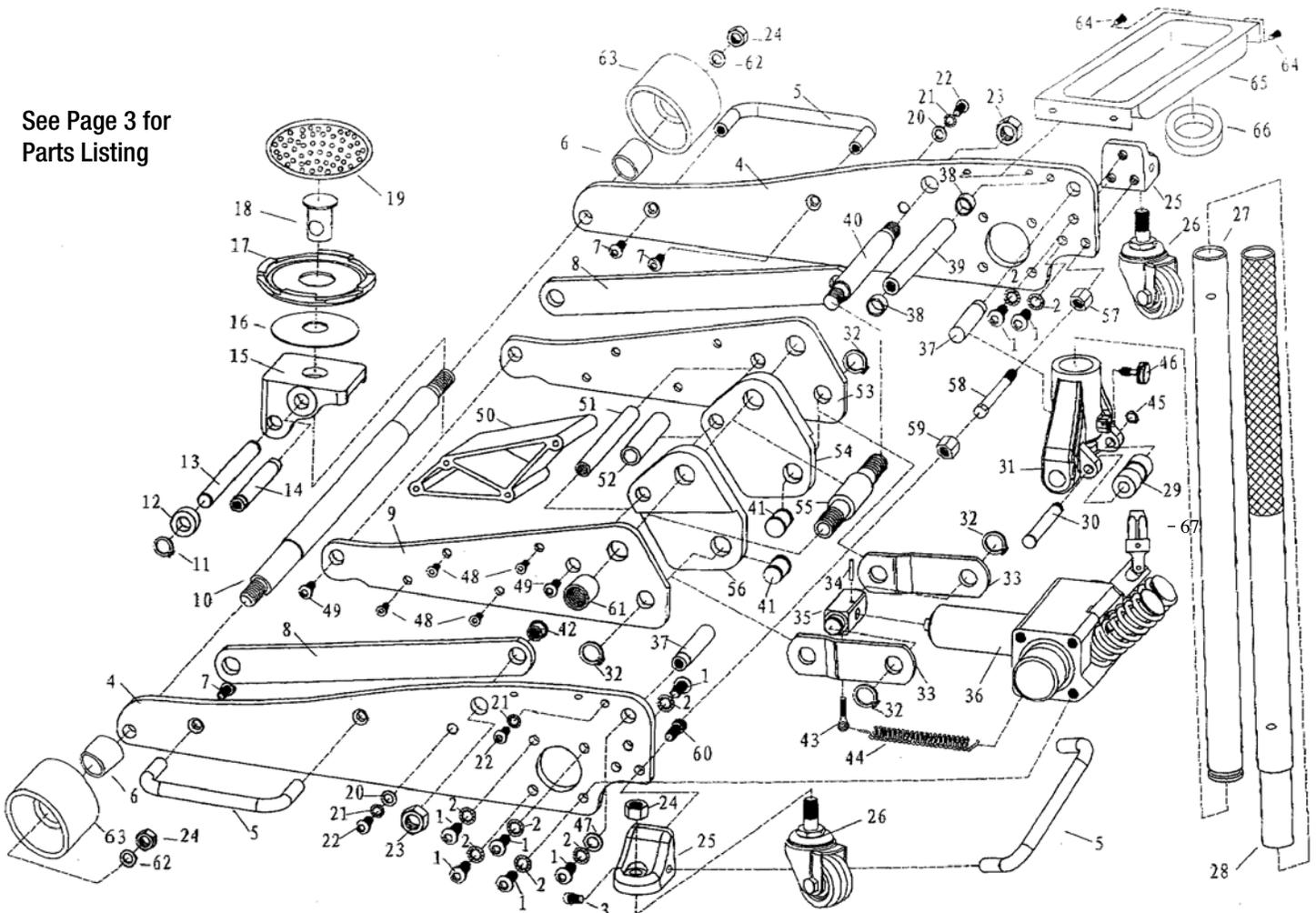
## OPERATING INSTRUCTIONS:

**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.

See Page 3 for  
Parts Listing



# CSE-ASJ200

## 2 TON Capacity

### Aluminum Floor Jack

REF NUMBER	PART NUMBER	DESCRIPTION	QTY
1	RS201	Bolt M10 x 25mm (Includes #2)	18
2		Bolt Lock Washer (Included w/ #1)	18
3	RS203	Bolt	2
4		Side Plate	2
5	RS205	Side Handle	3
6		Bushing - included w/#63	1
7	RS207	Side Handle Anchor Bolt M8 x 25mm	4
8		Radius Linkage	2
9		Lift Arm Left Side Plate	1
11		C-Clip 16	2
12		Link Rod Spacer	4
13		Saddle Base Axle - Long	1
14		Saddle Base Axle - Short	1
15		Saddle Base	1
16		Saddle Washer	1
17	RS217	Saddle	1
18		Saddle Base Axle	1
19	RS219	Rubber Saddle Pad	1
20		Washer 8mm	2
21		Lock Washer 8mm	4
22		Bolt M8 x 20mm	4
23		Nut M18	2
24	RS224	Nut M12	4
25		Rear Caster Horn	2
26	RS226	Rear Caster	2
27	RS227	Lower Handle Section	1
28	RS228	Upper Handle Section	1
29		Pump Roller - Included w/#31	1
30		Pump Roller Axle - Included w/#31	1
31	RS231	Handle Yoke - Includes #29, 30, 45 (2)	1
32		C-Clip 19	4
33		Linkage	2
34		Roller Pin 5 x 26	1
35	RS235	Linkage Block - Includes #43	1
36	RS236	Power Unit Assembly	1

REF NUMBER	PART NUMBER	DESCRIPTION	QTY
	RS236SK	Seal Kit for Power Unit Assembly	1
37		Yoke Axle	2
38		Rubber Guard - Included w/#39	2
39	RS239	Rod - Includes #38 (2)	1
40		Lift Arm Axle	1
41		Linkage Pin	2
42		Radius Linkage Bolt Axle	2
43		Eye Bolt M16 x 30 - Included w/#35	2
44		Lift Arm Return Spring	2
45		Eye Bolt M16 x 30 - Included w/#31	2
46	RS246	Handle Set Screw	1
47		Washer 10mm	2
48		Lift Arm Core Bolt	8
49		Bolt M8 x 20mm	1
50		Lift Arm Core	1
51		Lift Arm Mounting Platefront Axle	1
52		Lift Arm Mounting Platefront Axle Spacer	1
53		Lift Arm Right Side Plate	1
54		Lift Arm Left Side Plate	1
55		Lift Arm Mounting Plate Upper Axle	1
56		Lift Arm Right Mounting Plate	1
57		Side Plate Spacing Rod Nut	1
58		Side Plate Spacing Rod	1
59		Side Plate Spacing Rod Nut	1
60		Side Plate Spacing Rod Bolt	1
61		Nut	2
62		Washer 12 mm - Included w/#63	2
63	RS263	Front Wheel - Includes #6, 24, 62	2
64	RS264	Nut 4 x 16	4
65	RS265	Stainless Tray - Includes #66	1
66		Magnet - Included w/#65	1
67	RS267	Release Valve Assembly	1
	RS200HB	Bolt to Attach Lower & Upper Handle (Not Shown)	

Only reference numbers identified by part number are available for purchase.

<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 COVERAGE

Cornwell Quality Tools Company ("Cornwell") warrants against defects the hydraulic pump on this product for a period of TWO (2) YEARS from the date of original retail purchase. Cornwell Quality Tools Company ("Cornwell") warrants against defects the balance of components on this product for a period of 90 days from the date of original retail purchase. Subject to the conditions and limitations set forth below, Cornwell will, at its option, either repair or replace any part of the product(s) that proves defective by reason of improper workmanship or materials.

This warranty does not cover any damage to this product that results from accident, abuse, misuse, natural or personal disaster, or any unauthorized disassembly, repair, or modification. Repairs, disassembly and modification are only authorized to be made by Cornwell or a warranty service center approved by Cornwell.

### WARRANTY SERVICE

To obtain warranty service, contact your Cornwell dealer.

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