



**BDW-206LR** DUAL WHEEL SET

USE ON: BELL LONG RANGER 206LR  
GTOW: 4,400 LBS.  
LENGTH: N/A  
COLOR: ORANGE  
SHIPPING: 1 BOX 53" X 15" X 15" @ 87 LBS.





# BRACKETT AIRCRAFT COMPANY INC.

www.brackettaircraft.com

## BDW-206LR DUAL WHEEL SET

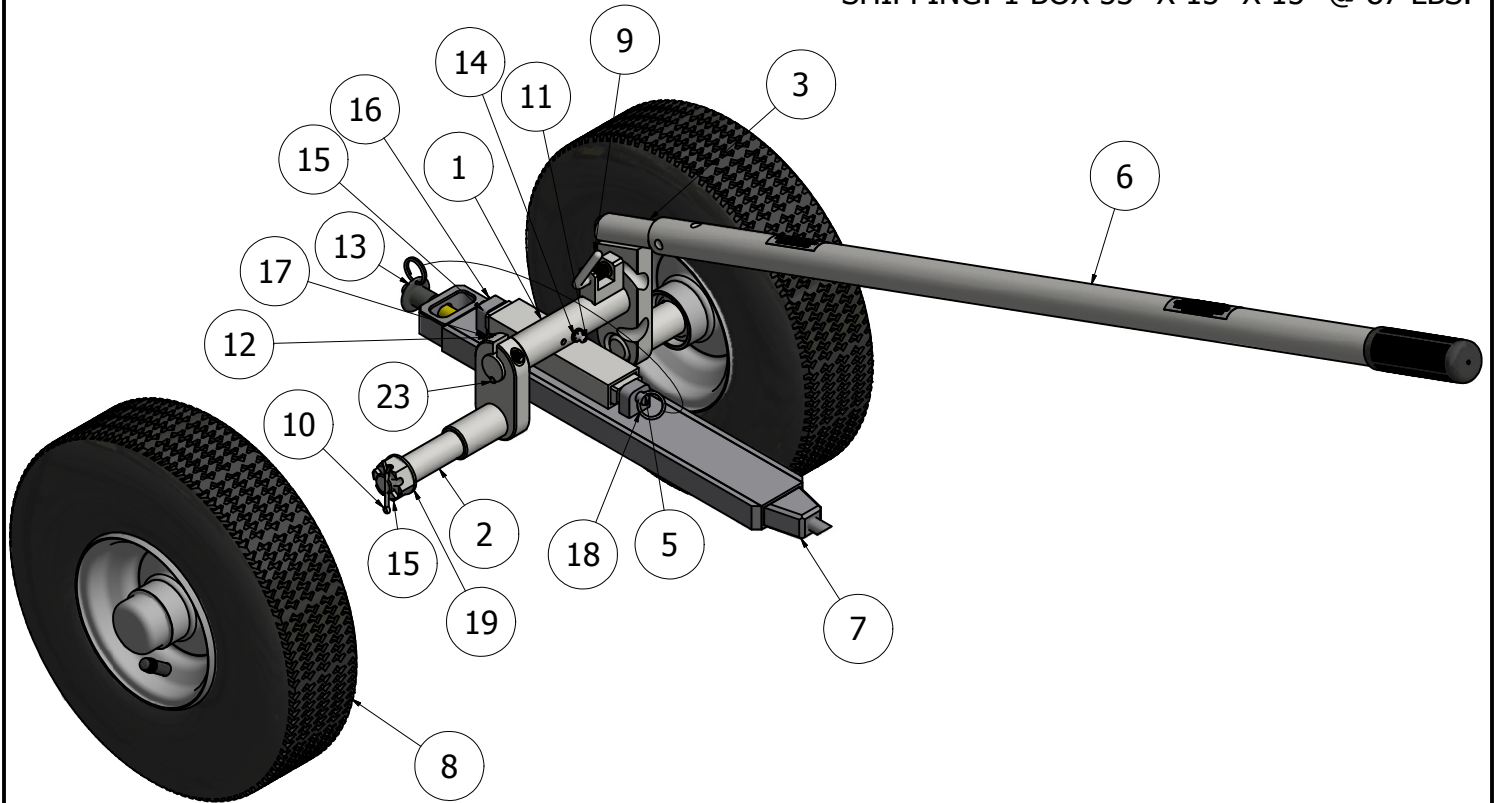
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### PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	W-U-133	WELDED ASSEMBLY
2	1	W-U-117	INNER ARM ASSEMBLY
3	1	W-U-118	LEFT OUTER ARM
4	1	W-U-119	RIGHT OUTER ARM (NOT SHOWN)
5	1	W-U-132	PICK UP ROD
6	1	W-U-110	HANDLE ASSEMBLY
7	1	W-CLR-00	WELDED CARRIER ASM.
8	2	W-53066	TIRE ASM.
9	1	W-LPK	L-PIN KIT
10	2	98338A479	1/8 X 1 3/4 COTTER PIN
11	1	1095K41	1/4-28 ZERK FITTING
12	1	94241A280	5/16 HIGH COLLAR LOCK WASHER S.S.
13	1	CL-8-BLPB-1.50-C	1/2 X 1 1/2 BALL LOCK PIN
14	1	94241A270	1/4 HIGH COLLAR LOCK WASHER S. S.
15	2	95030A270	3/4-16 SLOTTED HEX NUT
16	1	92383A697	1/8 X 3/4 ROLL PIN S.S.
17	1	90128A138	5/16-18 X 1 3/8 SHCS
18	1	90177A218	1" O.D. 13/16" I.D. SPLIT RING
19	2	90126A036	3/4" SAE WASHER
20	1	98381A539	1/4 X 5/8 DOWEL PIN

## BDW-206LR INSTALLATION

### See Illustrated Parts List:

- Should have 2-wheel assembly (left & right) and lift bar (W-U-110).
- Usually no assembly required.
- Has been oiled & greased.



### 1. PRE-CHECK

- Check frame & welds for damage or cracks.
- Roll easily – no bearing noises.
- Check tire pressure 95 psi.
- Worn tires – replace less than  $\frac{3}{32}$  (2.4 millimeters) tread depth.

### 2. RAISING

- Wheels are mounted on vertical pins, with rotating arms outside of skid tube and facing forward in the raised position. *SEE LABELED RIGHT & LEFT ON ARM*
- Place the wheel over the skid tube. Slide fix front pin into forward mount then remove ball lock pin and lower over AFT mount pin. Reinsert ball lock.
- Insert handle assembly #6 into outer arm round tube.
- With your body forward of wheels, pull the handle and rotate forward until the L-Pin locks.  
*REPEAT OTHER SIDE WITH THE SAME HANDLE*
- Now ready for towing.

### 3. LOWERING

- Place handle assembly into outer arm tube.
- Pull L-Pin #9 and with your body AFT of wheels slowly rotate just enough to keep pin out, while you put both hands on the bar and pull back very slowly. The load will rapidly increase so have STRONG FOOTING.
- Now remove from Aircraft and store in the hangar.

## MAINTENANCE INSTRUCTIONS

### Prior to Use:

- Inspect frame and carrier for dents, cracks, corrosion, and bent or worn parts.
- Inspect wheels for wear, cracks, or damage. – *SEE TIRE PREVENTATIVE MAINTENANCE*
- Verify proper tire inflation of 95 psi.
- Replace tires when  $\frac{3}{32}$  (2.4 millimeters) tread depth is remaining.
- Lube L-pin as need with an all-purpose grease, or 30 WT. oil, as needed.
- Grease pivot arm zerk with Aeroshell 64 (33 MS) or equivalent until new grease exits the end of the pivot tube. Wipe excess grease from arm, annually.
- Remove wheel bearings, inspect, and grease with Aeroshell 5 or equivalent annually.

## BRACKETT AIRCRAFT CO., INC.

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**Tire/Wheel Inspection:**

- Any tire, no matter how well constructed, may fail as a result of punctures, impact damage, improper inflation, overloading, or other conditions resulting from use or misuse. Tire failure may create a risk of property damage and serious personal injury. To reduce risk of tire failure, we strongly recommend you read and follow all safety information.
- Inspect wheels and tires for wear, cracks, cuts, or damage. Bumps or bulges may indicate separation within the tire body. A damaged tire can suddenly fail causing damage to property or serious personal injury.
- Inspect tire for adequate tread depth 3/32<sup>nd</sup> inch (2.4 millimeters).

**Tire Inflation:**

- Always keep tire inflated to the manufactures recommended pressure. Tire sidewall stamping information will tell you the recommended cold air pressure. Check tire inflation before moving aircraft.
  - Air Hawk 15 X 6.00      6 ply      68 psi
  - Air Hawk 18 X 5.50      8 ply      105 psi
  - Carlisle 5.30/4.50-6      6 ply      95 psi
  - Kenda 4.10/3.50-4      6 ply      75 psi
  - Kenda 4.10/3.50-6      6 ply      80 psi
  - STA 14 X 5.00-5      14 ply      130 psi
  - Air Hawk 5:00-5      10 ply      90 psi
- Use valve caps to keep valve cores clean, clear of debris and to help guard against air leakage.
- Under-inflated tires will cause damage leading to failure that could result in damage to property or serious personal injury.
- Over-inflated tires are more likely to become punctured, cut, or broken by sudden impact leading to failure that could result in damage to property or serious personal injury.