

# SERVICE INSTRUCTIONS



Bulletin NO. 0088

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## NOTICE

With variances in the mounting face of strut mount front wheels, as well as a change in the brake rotor thickness of the MW front brake kits listed below, the caliper/rotor alignment has changed. To avoid a potential binding problem, the caliper mounting brackets from the affected kits must be sent to Mark Williams Ent. and modified or replaced. Modifications will be performed at no charge, and return shipping paid.

### Brake Kit Part Numbers Affected:

73300 .....MW floating rotor front brake kit for JBRC/Lamb struts w/steel rotors.

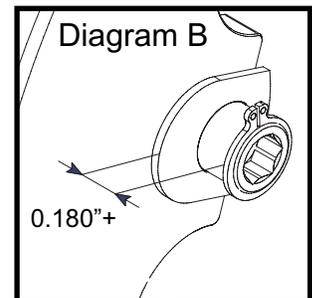
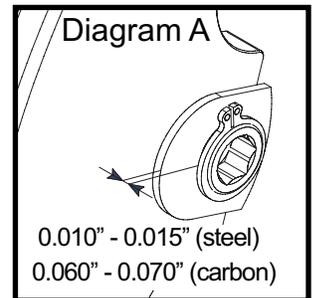
73400 .....MW floating rotor front brake kit for JBRC/Lamb struts w/carbon rotors.

### What to Look For:

Start by raising the front end and spinning the front wheel. Next lightly apply the brakes and let the rotor find its position. The rotor should be straight and it should be resting against the outer brake pad in the caliper. Measure from the inside of the retaining ring to the D-Drive surface.

**NEW PADS** - The stainless D-Drive bushings in the rotor should be approx. 0.010" - 0.020" (0.060"-0.070" on the 73400 carbon/carbon kit) from the snap ring on the D-Drive bushing. See Diagram A. If the distance is greater than 0.180" **the caliper brackets must be modified or replaced.**

**WORN PADS** - Measure the wear on the outer pad. New steel-rotor pads are 0.425" thick including the backing plate, and Carbon pads are 0.375" including the backing plate. Subtract the measured thickness from the corresponding (carbon or standard) new pad thickness. If the measured distance minus the wear is greater than 0.180" **the caliper brackets must be modified or replaced.**

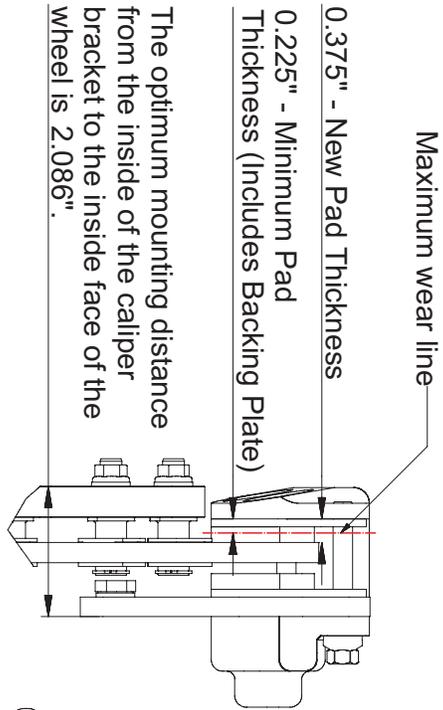


### Installation/Modification Overview:

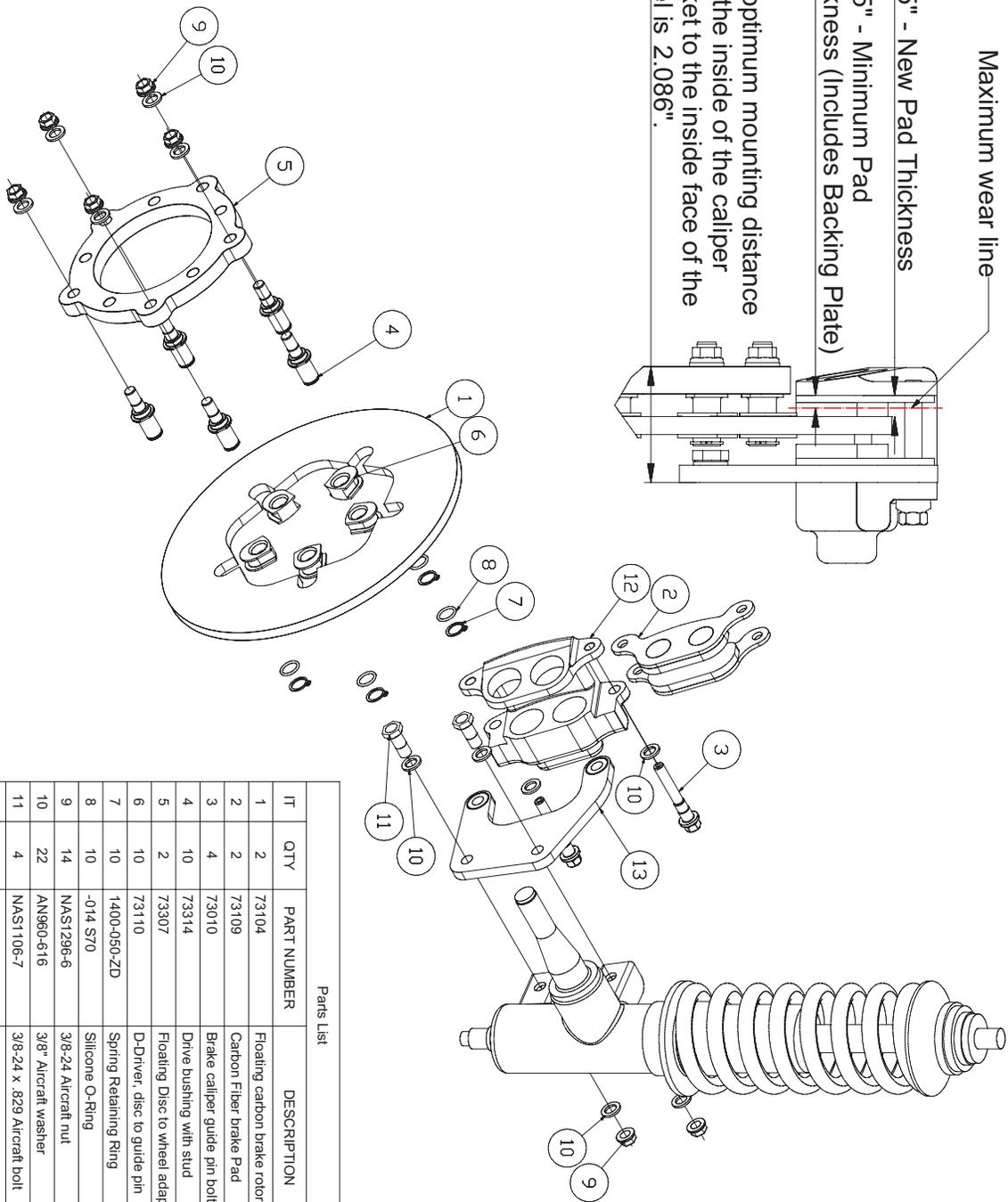
- 1) Remove the two mounting bolts from the caliper and remove the caliper and brake pads.
- 2) Remove the caliper mounting bracket (#13) from the strut.
- 3) Send both caliper brackets to Mark Williams Ent. to be modified. You can also set the bracket up on a milling machine and remove 0.180" from the two raised areas on the inner face of the bracket. Send the Brackets to:  
**Mark Williams Enterprises**  
765 S. Pierce Ave  
Louisville, CO  
80027
- 4) Re-install caliper bracket on strut (2 additional washers (#AN960-616) will be required on each bolt, or use shorter bolt (NAS1106-7 available from MW) to make up for the material removed for the bracket)
- 5) Re-install the caliper and brake pads and torque the mounting bolts to 25 ft/lbs.
- 6) New caliper brackets are also be available from Mark Williams Ent. New brackets have the raised areas and spot faces removed. These brackets do not require the different hardware mentioned in step 4.

Please see Service Bulletins 0081 and 0082 for maintenance instructions.

## MW Part Number 73400 Strut Mount Carbon Rotor Floating Brake Disc



The optimum mounting distance from the inside of the caliper bracket to the inside face of the wheel is 2.086".



Parts List

IT	QTY	PART NUMBER	DESCRIPTION
1	2	73104	Floating carbon brake rotor
2	2	73109	Carbon Fiber brake Pad
3	4	73010	Brake caliper guide pin bolt
4	10	73314	Drive bushing with stud
5	2	73307	Floating Disc to wheel adapter
6	10	73110	D-Driver, disc to guide pin
7	10	1400-050-ZD	Spring Retaining Ring
8	10	-014 S70	Silicone O-Ring
9	14	NAS1296-6	3/8-24 Aircraft nut
10	22	AN960-616	3/8" Aircraft washer
11	4	NAS1106-7	3/8-24 x .829 Aircraft bolt
12	2	73002	Caliper for floating disc brake
13	2	73302/73303	Caliper mounting bracket