

INSTALLATION - SERVICE INSTRUCTIONS

765 South Pierce Avenue Louisville, Colorado 80127

303-665-6901 303-665-7021 fax www.markwilliams.com



Bulletin #32 page 1 of 3 **40 Spline Floater Assembly**

March 2017

55XXX FLOATER ASSEMBLY PART LIST PRE (2009 SERIES II DESIGN) 95XXX FLOATER ASSEMBLY SERIES II DESIGN (2010 AND LATER), PAGE 3

PART NUMBERS:

DESCRIPTION

55700.....	Complete full floater assembly, 5" B.C..
55750.....	Full floater assembly, 5" B.C. (less spindles).
55800.....	Complete full floater assembly, 5 1/2" B.C.
55750.....	Full floater assembly, 5 1/2" B.C. (less spindles).

55800 Assembly

PARTS INCLUDED:

2 - 55001..(55700, 55750 kits).....	5" BC Aluminum floater hub.
2 - 55030..(55800, 55850 kits).....	5 1/2" BC Aluminum floater hub.
4 - 55010.....	Sealed hub bearing.
2 - 55020.....	Drilled steel brake rotor .
20 - 215.05.16NF.....	Brake rotor mounting bolt.
2 - 55005..(55700, 55750 kits).....	5" BC drive plate.
2 - 55031..(55800, 55850 kits).....	5 1/2" BC drive plate.
2 - 55004.....	Floater spindle w/seat ring.
2 - 55021.....	Caliper mounting bracket.
8 - 03224334.....	Caliper bracket bolt.
8 - AN960-616, 21FC-624.....	Caliper bracket washer and nut.
2 - 81100.....	MW 4 piston brake caliper.
4 - 81130.....	MW brake linings.
4 - AN6-10A, AN122584.....	Caliper bolt and hardened washer.
2 - 55028.....	Spacer, between bearings
2 - 55018.....	Drive plate cover.
8 - 03213824.....	Drive plate cover bolt.
2 - -034.....	Drive plate cover "O" ring.
2 - RSN168.....	Axle retaining spiral lock ring.
2 - 3100-255.....	Hub retaining snap ring.
2 - 76X6261.....	Spindle seal.
10 - 55030.....	Steel flanged Snap-Lock lug nut.
10 - 515X1.....	Wheel stud (see variables below).
10 - 5501X.....	Aluminum lug nut washer (see variables below).



VARIABLE PARTS:

51561.....	Wheel stud, 2" long shoulder.
55019.....	Wheel stud, 2.812" long shoulder.
55013.....	Aluminum lug nut washer, 3/8" thick.
55014.....	Aluminum lug nut washer, 9/16" thick.
55015.....	Aluminum lug nut washer, 3/4" thick.

PRIMARY APPLICATIONS:

Drag racing. Any class requiring floating rear axle, advanced ET to Top Fuel.

INSTALLATION OVERVIEW:

- 1) After the floater spindles have been welded on the housing tubes and all bracing is completed install spindle seals.
- 2) Slide the caliper bracket onto the spindle (make sure the threaded inserts in the bracket are facing out). Brackets center on the ring against the flange of the spindle. Align holes in the bracket with holes in the flange to position the brake caliper to the rear and install the 3/8" flat head allen bolts with self locking nuts and washers.
- 3) Slide assembled floater hubs (brake rotor and studs installed) onto the spindle. Inner bearing must seat against ring on the spindle then install the large snap ring retainer.
- 4) Install spiral lock on the end of the floater axles and slide them thru the drive plates until the spiral lock seats against the face of the drive plate then install the blue anodized covers with the "O" rings in place using the 1/4" flat head allen bolts. (Note: If using one piece axle spiral locks are not used)
- 5) Install brake calipers and brake linings. Check that the caliper is centered on the brake disc. If required, install shims to make final alignment. Shims can be placed between the bracket and spindle (p/n 55030) to move caliper towards wheel. Shim (p/n 71018) can be placed between caliper and bracket to move caliper towards center of rear.
- 6) Slide assembled axles and drive plates into the spindle and seat the drive plate against the face of the hub.

INSTALLATION - SERVICE INSTRUCTIONS

765 South Pierce Avenue Louisville, Colorado 80127

303-665-6901 303-665-7021 fax www.markwilliams.com



Bulletin #32 page 2 of 3 **40 Spline Floater Assembly** March 2017

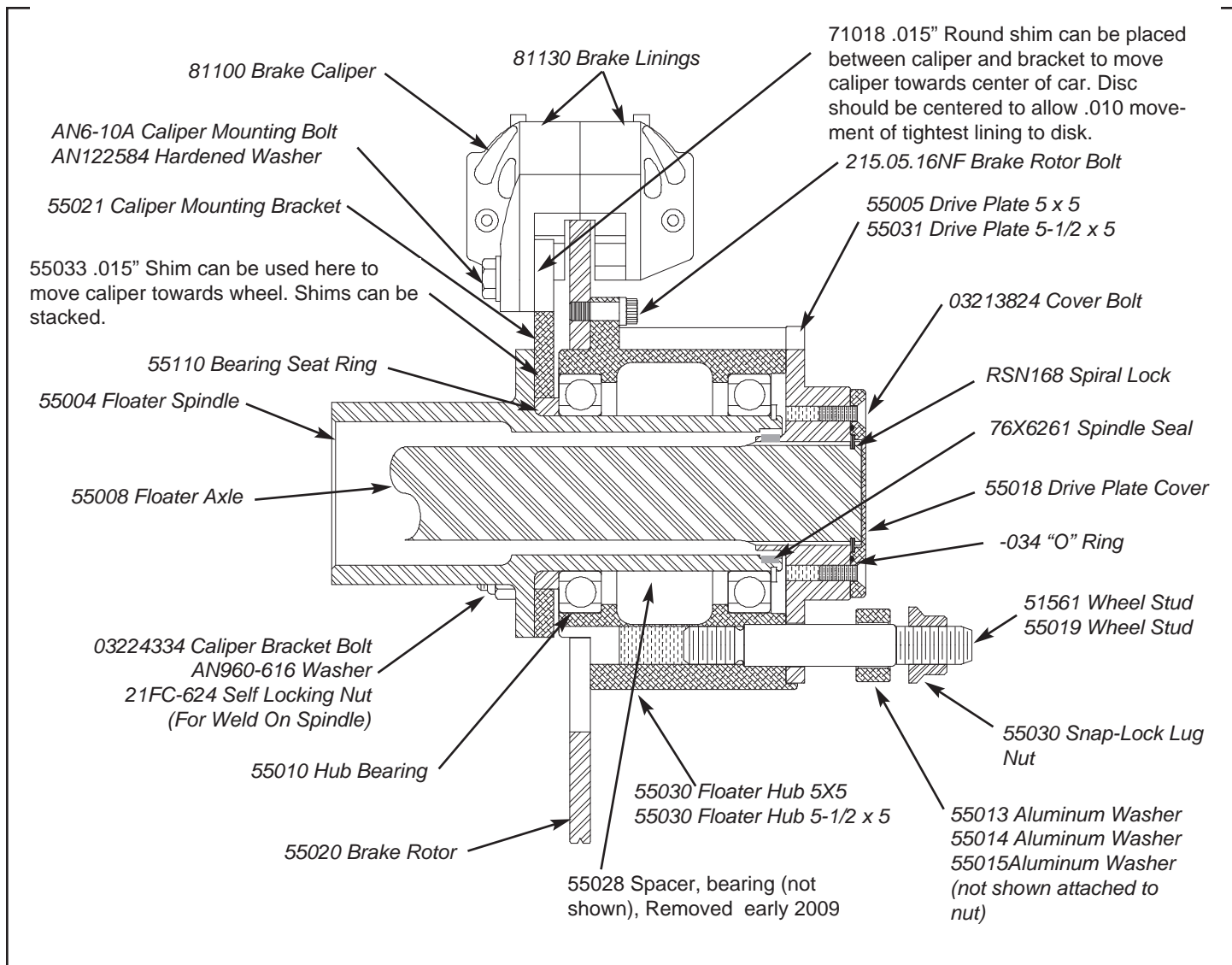
TORQUE SPECS:

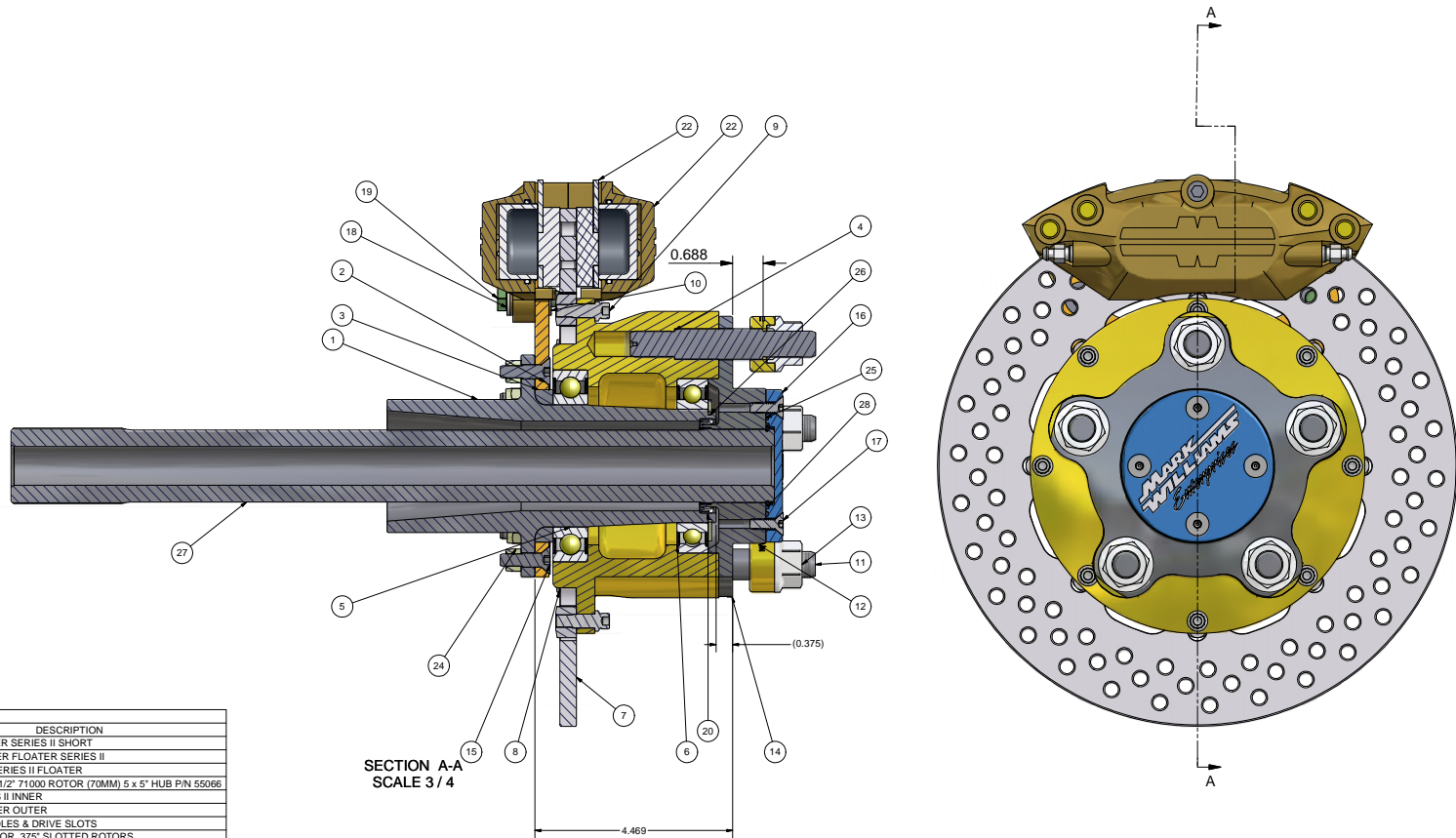
Drive plate cover bolts (1/4-20) 15-20 ft/lbs.
 Caliper bracket bolts, caliper mounting bolts (3/8-24) 30-35 ft/lbs.
 Lug nuts (5/8-18) 95-100 ft/lbs.

MAINTENANCE REQUIREMENTS:

Periodic visual inspection of entire assembly is required. Check torque on all fasteners. Inspect brake rotors for excessive heat and run-out. Inspect for flatness and minimum thickness (.320"). Disc cannot be resurfaced. Replace Disc when worn or warped. Rotate hub assembly with axle and drive plate removed to check hub bearings for smoothness.

55XXX FLOATER ASSEMBLY PART LIST PRE (2009 SERIES II DESIGN)





Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	90304	SPINDLE, FLOATER SERIES II SHORT
2	1	90301	BRACKET, CALIPER FLOATER SERIES II
3	1	90310	RING, SPINDLE SERIES II FLOATER
4	1	55068	HUB, FLOATER 5-1/2" 71000 ROTOR (70MM) 5 x 5" HUB P/N 55068
5	1	6014-2RS1	BEARING, SERIES II INNER
6	1	6013-2RS1	BEARING, FLOATER OUTER
7	1	71010	DISC, STEEL L HOLES & DRIVE SLOTS
8	8	71032	BUTTON, DRIVE FOR .375" SLOTTED ROTORS
9	8	71033	BOLT, 12 POINT BRAKE ADAPTOR
10	2	71017	INSERT, CALIPER
11	5	93061	DRIVE STUD, SERIES II FLOATER C=2"
12	5	550XX	WASHER, DRIVE STUD
13	5	51530	LUG NUT, CARBON STEEL, SNAP WASHER (MW)
14	1	55031	DRIVE PLATE, 40 SPLINE W/ 5-1/2" B.C.
15	7	90340	BOLT, CALIPER BRACKET 5/16-18 X 1
16	1	55018	COVER, DERIVE PLATE 40 SPLINE
17	4	03213824	1/4-20 X 3/4 FLAT HEAD SCOKET DRIVE
18	2	AN122584	WASHER, HARD 3/8 .078 THICK
19	2	AN6-10A	BOLT, AIRFRAME 3/8 X 1.078
20	1	76X6261	SEAL, FLOATER SPINDLE, TO DRIVE PLATE
22	3	81100	BRAKE CALIPER ASSEMBLIE
23	1	002912IN	BOLT, FLOATER SPINDLE (WELD ON)
24	8	5/16-24 NYLOCK NUT	5/16-24 NYLOCK NUT (WELD ON FLOATER)
25	1	-Q34 INSTALLED	O-RING BUNA -N 2-1/4 OD X 1/16
26	1	3100-255	RING, RETAINING FLOATER SPINDLE
27	1	55008-10-XX	AXS 40 SPLINE GUN DRILL (SPECIFY LENGHT)
28	1	RSN168	RETAINING RING, SPIRAL-LOCK

ASSEMBLY PARTS LIST 5 HOLE X 5-1/2" BOLT CIRCLE
 95800 FLOATER ASSEMBLY WITH SPINDLE
 95850 FLOATER ASSEMBLY FOR MODULAR HOUSING

ASSEMBLY PARTS LIST 5 HOLE X 5" BOLT CIRCLE
 95700 FLOATER ASSEMBLY WITH SPINDLE
 95750 FLOATER ASSEMBLY FOR MODULAR HOUSING

MATERIAL	HEAT TREAT	MARK WILLIAMS Enterprises	
		765 SOUTH PIERCE AVE, LOUISVILLE, CO 80027	
		PROTECTIVE FINISH	
Z:\InventorFiles\Assembly_Files\AS0098.iam		CAD NO: AS0098.idw	DRAWN BY: mwilbms DATE: 12/1/2009
STOCK INFORMATION	MACHINING TOLERANCES	TITLE FLOATER ASSEMBLY SERIES II	
BAR LENGTH: 0	WEIGHT: 0	.XX	.XXX
WELDS PER BAR: 0		.015	.005
PROGESS WEIGHT (PART): 0		.0005	1/2
		SURFACE FINISH UNLESS NOTED	
		PLOT DATE 3/7/2017	PART NUMBER 95800/95850
		CHANGE	NA