

INSTALLATION - SERVICE INSTRUCTIONS

765 South Pierce Avenue Louisville, Colorado 80027

303-665-6901 800-525-1963 www.markwilliams.com



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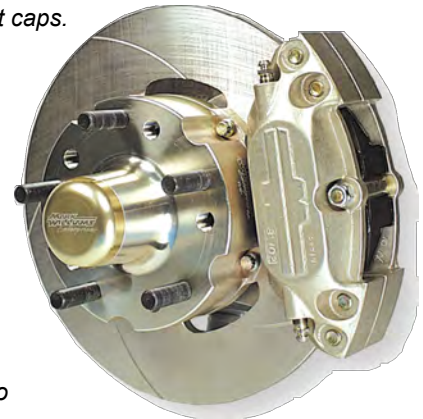
Front Brake Kit

February, 2025

PART NUMBERS:	DESCRIPTION'
75850.....	'85-92 CAMORO 4 PISTON

PARTS INCLUDED:

2 - 75801.....	Front hub/brake hat w/bearings, races and dust caps.
2 - 75009.....	Front brake rotor.
2 - 83100.....	Brake caliper.
2 - 81100.....	Brake caliper.
2 - 75813.....	Caliper bracket.
4 - 75804.....	Caliper bracket spacers
2 - 19753.....	Oil seal
1 - 51250.....	1/ 2-20 x 2" long wheel studs
	All necessary mounting hardware



PRIMARY APPLICATIONS:

Drag racing or limited use Pro Street applications.

INSTALLATION OVERVIEW:

- 1) Remove stock brake assembly from spindle. Remove spindles from vehicle.
- 2) Modify spindles according to the instructions below. Spindles may also be sent to Mark Williams Ent. for required modifications.
- 3) Re-install spindles.
- 4) Install caliper mounting brackets with supplied 3/8-24 and 3/8-16 Torx flat head bolts, lock nuts and washers. 75804 spacers must be in place and positioned correctly between bracket and spindle. Torque to 40 ft/lbs
- 5) Bolt 75009 brake rotors to hubs with supplied 5/16-18 12 point bolts (Loc-Tite recommended) and torque to 18ft/lbs.
- 6) Pack bearings with grease and install seal in hub.
- 7) Install 1/2-20 wheel studs in the desired bolt pattern (4 1/2" or 4 3/4") in the hub, must have washers under heads of stud to avoid damage to threads in hub.
- 8) Slide hub onto spindle shaft. Install spindle nut and tighten (there should be a slight amount of drag on the hub when rotated) then install cotter pin. Push on dust cover.
- 9) Slide caliper over rotor and bolt to bracket with supplied AN bolts and hard washers and torque to 35 ft/lbs. Check caliper alignment. Parting line of caliper halves should be directly over center of rotor (see diagram A).
- 10) Install brake pads. Remove bridge bolt and bushing, slide pads into caliper then re-install bushing and bolt and tighten.
- 11) Attach brake lines to calipers (fittings required are not included with kit) and bleed system starting with bleeder furthest from master cylinder. Steel braided brake lines are recommended.

TORQUE SPECS:

Rotor attachment bolts (5/16-18 12 point bolts) 18 ft/lbs.
Caliper bracket bolts to spindle (3/8 Torx bolts) 40 ft/lbs.
Caliper mounting bolts (3/8-24 AN bolts) 35 ft/lbs.

MAINTENANCE REQUIREMENTS:

Periodic check of rotor for excessive heat or run-out. Check torque on caliper mounting bolts. Periodic check of brake pads. Pads should be changed once the friction material is down to approx. .200. As the pads wear more of the pistons are out of the bores in the calipers which can possibly lead to the pistons binding or not retracting. When pads are changed the entire caliper should be thoroughly cleaned, especially the pistons before they pushed back into the bores.

SPINDLE MODIFICATION:

Cut the stock caliper mounting ears off of the spindle. On The wheel mounting face of the spindle, modify the caliper bracket mounting holes. Drill and tap the hole nearest the strut with a 3/8-24 thread 0.750" deep. Drill the other hole $\varnothing 0.377$ " through. Clearance the back side of the spindle so the caliper will clear. Clearance notches are required to clear the mounting ears of the MW calipers (see page 2)

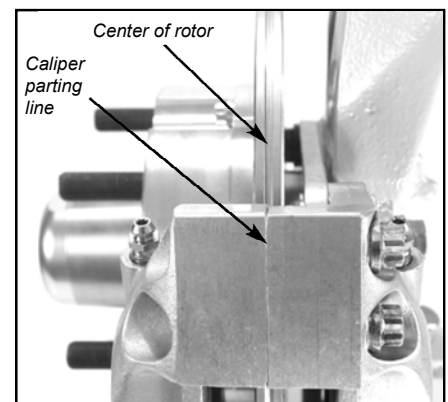


Diagram A

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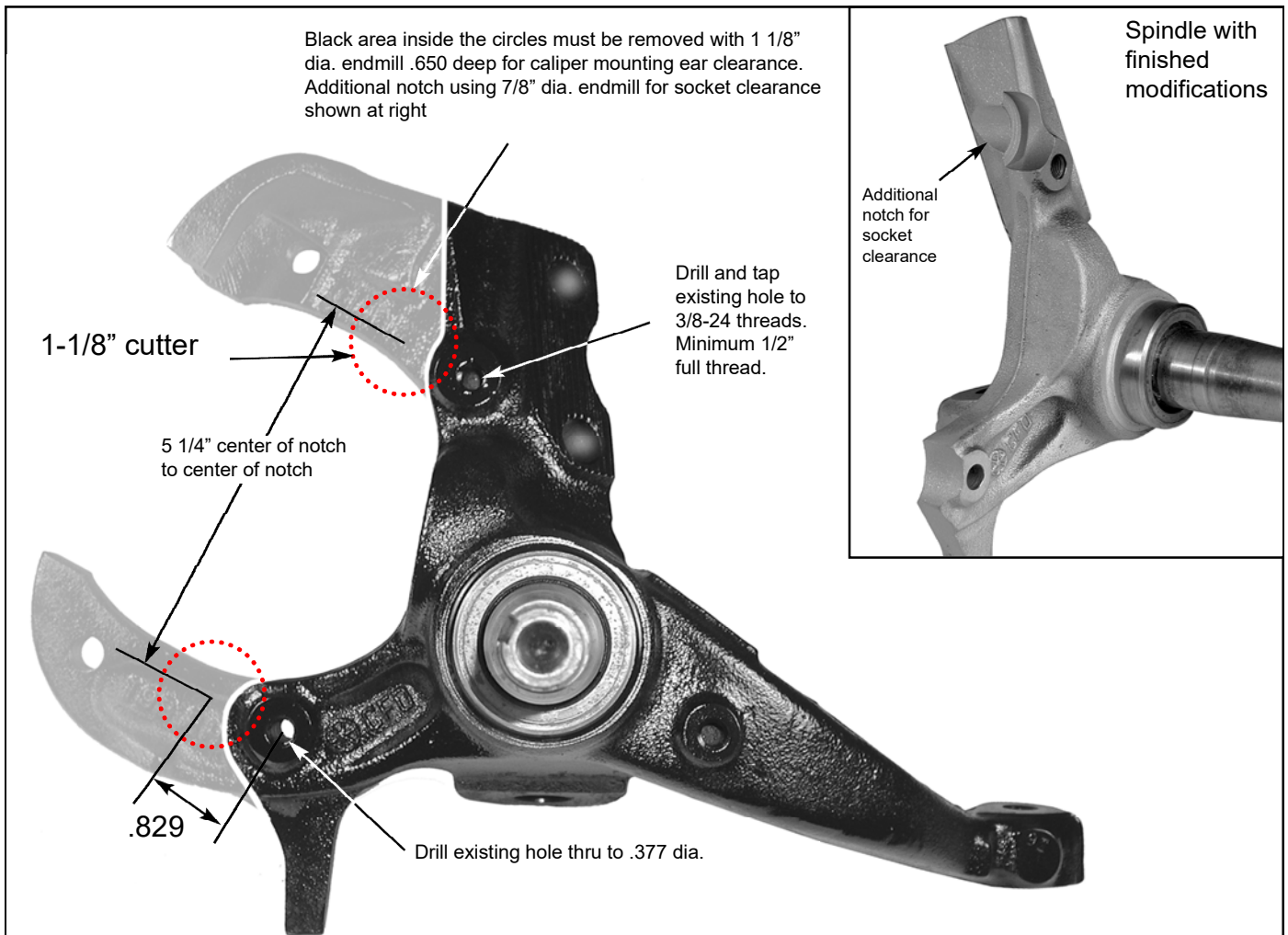
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The spindle modifications required for the 75850 brake kits are shown above. The faintly displayed material should be removed. The black area inside the dotted circle must be removed for caliper ear clearance. Spindles can also be sent to Mark Williams Enterprises to have these modifications performed. If you have any questions call 303-665-6901, fax 303-665-7021 or e-mail to info@markwilliams.com