

# INSTRUCTIONS

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## 910-31958

### 11" DISC BRAKE KIT FOR '64-'72 CHEVELLE A-BODY

This disc brake kit allows you to use install '69-'72 11" GM midsize rotors and '69-'77 GM midsize calipers on your stock '64-'72 Chevelle disc brake spindles, or on Speedway Motors' new stock replacement spindles (part number 910-34900).

**WARNING:** This kit will NOT fit drum brake spindles without spindle modifications. The upper boss on the drum brake spindle sticks out farther than the disc brake spindle. Approximately .610 will have to be machined off the boss on the drum brake spindles to work with this brake kit.

If you are going to use this kit on an A body Olds, Pontiac and Buick, it will not directly bolt on to the original spindles even with grinding the .610 off the stud at the top. The lower bolt holes in the original spindles are 7/16" and the bracket and bolts 1/2". The upper bolt holes on the original spindles are 1/2" with the brackets and bolts being 5/8". You will need to replace or modify the spindles.

PARTS LIST			
INDEX NO.	DESCRIPTION	PART NUMBER	QUANTITY
1	Hardware '64-72 GM Caliper Brackets (pr)	910-34902	1
	Hardware Kit	910-31958-1	1
2	5/8"-18 x 1" GR 8 Hex Cap Screw (with head cut down)	In Hardware Kit	2
3	1/2"-20 x 3" GR 8 Hex Cap Screw	In Hardware Kit	4
4	1/2"-20 SAE Fine GR 8 Crush Lock Nut	In Hardware Kit	4
5	'64-72 GM Dust Shields (pr)	910-34904	1
6	Inner Bearing Cup	Installed in Rotor	2
7	Inner Bearing Cone	912-TLM67048	2
8	Grease Seal	912-S17187	2
9	'69-72 GM 11" Rotor	910-65390	2
10	Outer Bearing Cup	Installed in Rotor	2
11	Outer Bearing Cone	912-TLM11949	2
	Spindle Nut Kit	910-616005	1
12	Spindle Washer	In Spindle Nut Kit	2
13	Spindle Nut	In Spindle Nut Kit	2
14	Cotter Pin	In Spindle Nut Kit	2
15	Dust Caps (pr)	910-31071	1
16	'69-77 GM Midsize Caliper (left)	910-31035-L	1
16	'69-77 GM Midsize Caliper (right)	910-31035-R	1
17	Brake Pads (set)	919-3382	1
18	Caliper Bolts	835-2300542	4
19*	'64-'72 Chevelle Spindles (pr)	910-34900	1
OTHER PARTS NEEDED:			
DESCRIPTION	PART NUMBER	QUANTITY	
16" Stainelss Steel Brake Line Kit	617-8562	1	

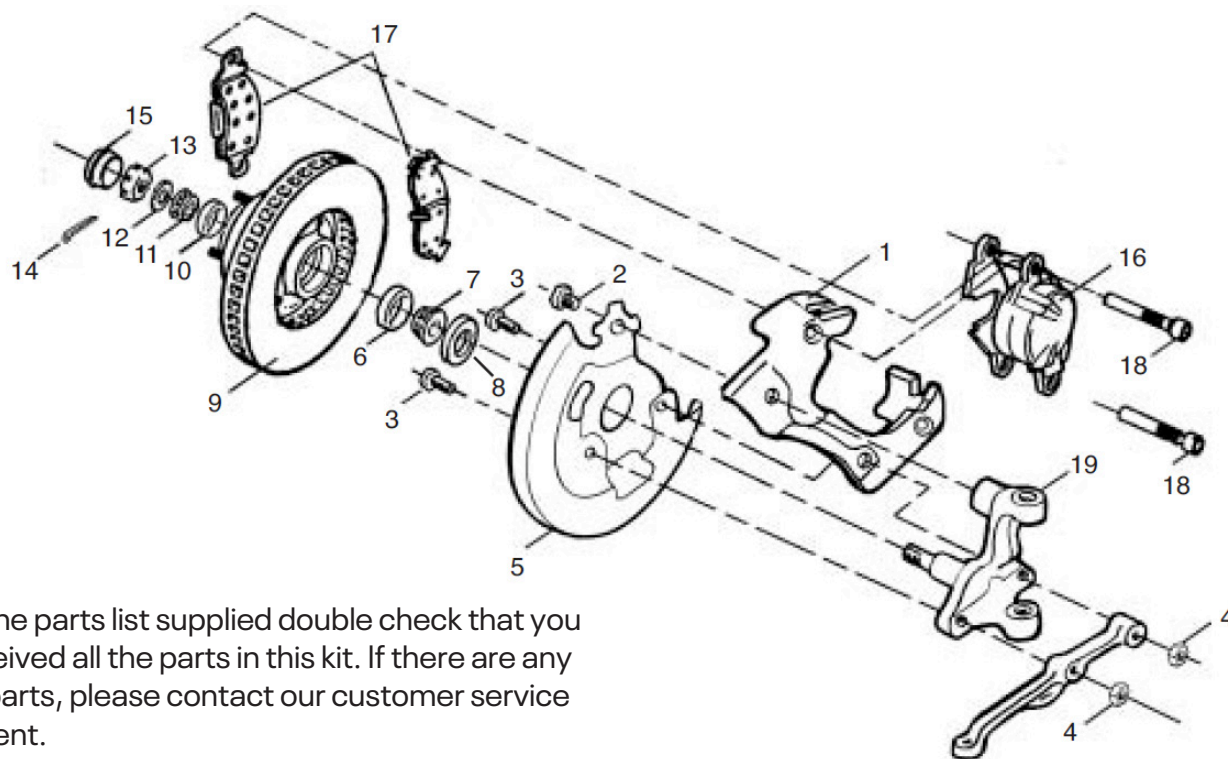
\*Not Included in Kit

**WARNING:** The selection and installation of brake components should only be done by personnel experienced in the proper installation and operation of braking systems. The installer must use his/her own discretion to **1** determine the suitability of the brake components and brake kits for every particular application.

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**1.** Using the parts list supplied double check that you have received all the parts in this kit. If there are any missing parts, please contact our customer service department.

**2.** Remove the complete brake assembly from your spindle. If you have drum brakes, the spindle must be modified. The upper boss where the backing plate bolts on sticks out farther than the disc brake spindle does. Approximately .610 will have to be machined off this boss to work with this brake kit. Inspect the spindles for grooves and cracks caused from excessive wear. Worn spindles should be replaced. Replacement spindles can be purchased from Speedway under p/n 910-34900.

**3.** Install the 5/8"-18 x 1" upper anchor bolt (#2) through the dust shield (#5), caliper bracket (#1) and into the spindle (#19), NOTE: make sure you use loctite on the threads of the 5/8" bolt. Install the 1/2"-20 x 3" lower caliper bolts (#3) from the wheel side of the spindle through the dust cover, caliper bracket, spindle and steering arm. Attach with the 1/2"-20 locking nuts (#4). Torque the upper 5/8" bolt to 73-110 ft. lbs. and torque the lower 1/2" bolts and lock nuts to 38-57 ft-lb. Fold over the locking tabs on the upper bolt of the dust cover.

**4.** Pack and install the inner bearings (#7) with fresh disc brake bearing grease, and install the grease seals (#8). Seals must be installed straight; a seal installation tool works well for this.

**5.** Install the rotor (#9) onto the spindle (#19), pack and install the outer bearing (#11). Install the spindle washer (#12) and spindle nut (#13). Adjust the bearing preload as normal. Install the cotter pin (#14) and dust cap (#15).

**6.** Install the brake pads (#17) into the calipers (#16) and install them into the caliper brackets (#1), making sure the bleeders are pointing up. Only use the correct GM mounting bolts (#16).

**7.** Install new brake lines making sure you check that the lines have clearance through the entire suspension travel and turning radius. Bleed the system as normal.

**8.** Before operating the vehicle, test the brakes under controlled conditions. Make several stops in a safe area from low speeds and gradually work up to operating speeds.

**NOTE:** Some wheels may not clear the snout on the rotors. If necessary the rotor can be machined for clearance. Some brands of wheels may interfere with the top of the caliper. If necessary you can grind a small amount of material off the top of the caliper, at the point of contact.

# IMPORTANT

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**CHECK LOCAL LAW** Some parts are not legal for sale or use in California on any pollution controlled motor vehicles. These items are legal in California for racing vehicles only which may never be used upon a highway. Check local law.

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