

INSTALLATION - SERVICE INSTRUCTIONS

765 South Pierce Avenue Louisville, Colorado 80127

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Honda Driveline & Brake System

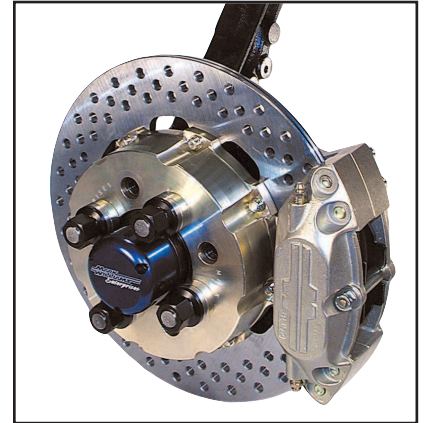
May 2002

PART NUMBERS:

	DESCRIPTION
60100-AP	Complete driveline and disc brake system for Accord/Prelude transmissions.
60100-GSR	Complete driveline and disc brake system for GSR transmissions.
60100-LS	Complete driveline and disc brake system for LS transmissions.

PARTS INCLUDED:

1 - 60103/60104/60106	Drivers side intermediate shaft for appropriate transmission with retaining bolt. (see variables)
1 - 60102	Passenger side intermediate shaft.
1 - 60160/60165/60170	Spool for appropriate transmission. (see variables)
2 - 60105-A	Half shaft assemblies (includes the following): 32 spline outer CV flanges. High angle outer CV joints w/boots and clamps. 300M half shafts. Plunging inner CV joints w/boots and clamps.
2 - 60101-4/60101-5	Outer wheel flanges. (see variables)
2 - 60111	Hub bearing spacers. (for GSR spindles)
2 - 57622	Hardened axle nuts.
1 - 60200	Complete MW disc brake kit. (includes the following): MW 4 piston calipers w/pads. 11 3/4" diameter drilled steel rotors. Aluminum brake hats. Caliper mounting brackets, spacers and fasteners. Braided stainless brake lines and fittings.
1 - 515XX	Complete 5/8 drive stud kit w/lug nuts and washers.
2 - 60123	Center caps w/fasteners.



VARIABLE PARTS:

60101-4	Wheel flange with 4 x 100mm and 4 x 114mm bolt patterns.
60101-5	Wheel flange with 5 x 4 1/2" and 5 x 4 3/4" bolt patterns.
60103	GSR drivers side intermediate shaft.
60104	Accord/Prelude drivers side intermediate shaft.
60106	LS drivers side intermediate shaft.
60160	Lightweight LS spool.
60165	Lightweight GSR spool.
60170	Lightweight Accord/Prelude spool.



PRIMARY APPLICATIONS:

Drag racing.

ASSEMBLY OVERVIEW - DRIVELINE:

- 1) Install spool and seals provided in transaxle. Spool will accept OEM left hand ring gear bolts.
- 2) Press carrier bearing and bracket on to driver side intermediate shaft. **Note:** Must be bearing that fits OEM intermediate shaft with female spline on outboard end with a 55mm I.D. ('90-'92 Accord).
- 3) Slide intermediate shafts in to spool. Install 3/8 x 5" retaining bolt with hardened washer and torque to 40 ft/lbs
- 4) Carrier bearing bracket holes should line up with block holes. If necessary slightly enlarge holes. Install and tighten carrier bracket bolts.
- 5) Install 5/8 wheel studs in desired pattern in wheel flange (before pressing hub into bearing). Torque jam nuts to 85 ft/lbs.
- 6) Press wheel hubs into spindle bearings. GSR spindles require #60111 bearing spacers between hub and bearing. Spindles with bolt-in hub bearing do not require these spacers.

continued

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- 7) Re-install spindles and set front end alignment. **Note:** Slide hat and brake rotor over the wheel flange and check clearance between brake rotor and the lower control arm with the car on the ground. Grind control arm as needed for minimum of .060 clearance.
- 8) Take measurement on each side from CV mounting surface on intermediate shafts to outer end of spline in the wheel hubs. (see dia. A below) Call Mark Williams Ent. with "A" measurement. Half shafts will be built from these measurements.
- 9) Slide half shaft assemblies in to place. Install axle nut and bolt inner CV to flange on the intermediate shafts. Loc-tite and torque axle nut to 150ft/lbs and torque CV bolts to 40 ft/lbs.
- 10) Install center caps

ASSEMBLY OVERVIEW - BRAKE KIT:

- 1) Drill out existing caliper mounting holes on spindle to 1/2". Countersink holes on outer surface for flat head allen bolts. (see dia. B below)
- 2) Grind tops of the existing caliper mounting ears for clearance of new calipers (see dia. B below).
- 3) Make sure the inside surface of the existing caliper mounting ears are flat and free of any kind of build up or burrs. Install caliper bracket spacers and bracket to the inboard side of those ears. Use the supplied 1/2" flat head allen bolts and self locking nuts.
- 4) Slide hat and rotor onto wheel flange.
- 5) Install caliper over rotor with brake pads in place. Use the supplied 3/8 NAS bolts, jet nuts and hardened washers to bolt caliper to bracket. Make sure caliper bridge bolt is tight.
- 6) Install AN fitting in caliper and adapter fitting to OEM brake line. Use the supplied -4 hose ends and braided hose to make up brake lines. Clean brake lines after assembly.
- 7) Install brake lines and bleed the system starting with the bleeder farthest from the master cylinder and working back to the closest (only bleeders pointing up need to be done). Mark Williams Enterprises recommends using DOT 5.1 brake fluid.

TORQUE SPECS:

Intermediate shaft retention bolt (3/8-24) 40 ft/lbs.
CV bolts (10mm) 40 ft/lbs.
Axle nut (7/8-14) 150 ft/lbs.
Lug nuts (5/8-18) 85-90 ft/lbs.

MAINTENANCE REQUIREMENTS:

Periodic visual inspection of all components. Periodically check torque of all fasteners. Replace brake pads when they reach approximately half their original thickness.

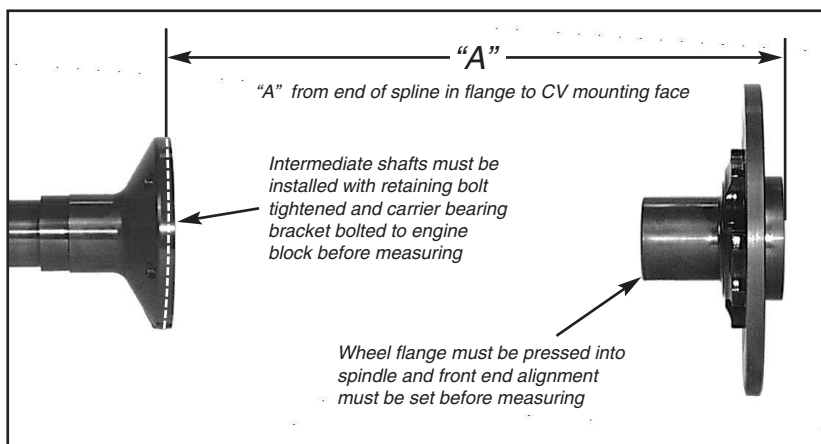


Diagram A

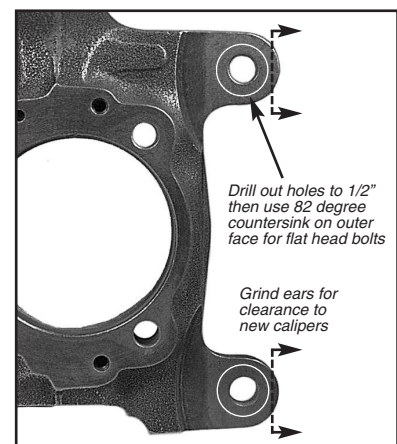


Diagram B