

ASSEMBLY INSTRUCTIONS

FOR

**WILWOOD INTERNAL PARKING BRAKE CABLE KIT FOR USE
WITH WILWOOD BRAKE KITS 140-10206, 140-10207,
140-10208, 140-10209, 140-10210 AND 140-10211
1990 - 2002 HONDA / ACURA • CIVIC / INTEGRA**

PART NUMBER GROUP

330-10966

**DISC BRAKES SHOULD ONLY BE INSTALLED BY SOMEONE
EXPERIENCED AND COMPETENT IN THE INSTALLATION AND
MAINTENANCE OF DISC BRAKES
READ ALL WARNINGS**

WARNING

IT IS THE RESPONSIBILITY OF THE PERSON INSTALLING ANY BRAKE COMPONENT OR KIT TO DETERMINE THE SUITABILITY OF THE COMPONENT OR KIT FOR THAT PARTICULAR APPLICATION. IF YOU ARE NOT SURE HOW TO SAFELY USE THIS BRAKE COMPONENT OR KIT, YOU SHOULD NOT INSTALL OR USE IT. DO NOT ASSUME ANYTHING. IMPROPERLY INSTALLED OR MAINTAINED BRAKES ARE DANGEROUS. IF YOU ARE NOT SURE, GET HELP OR RETURN THE PRODUCT. YOU MAY OBTAIN ADDITIONAL INFORMATION AND TECHNICAL SUPPORT BY CALLING WILWOOD AT (805) 388-1188, OR VISIT OUR WEB SITE AT WWW.WILWOOD.COM. USE OF WILWOOD TECHNICAL SUPPORT DOES NOT GUARANTEE PROPER INSTALLATION. YOU, OR THE PERSON WHO DOES THE INSTALLATION MUST KNOW HOW TO PROPERLY USE THIS PRODUCT. IT IS NOT POSSIBLE OVER THE PHONE TO UNDERSTAND OR FORESEE ALL THE ISSUES THAT MIGHT ARISE IN YOUR INSTALLATION.

RACING EQUIPMENT AND BRAKES MUST BE MAINTAINED AND SHOULD BE CHECKED REGULARLY FOR FATIGUE, DAMAGE, AND WEAR.



Need Additional Information?
Use Your SmartPhone and
Jump to Our Technical Tips
Section on Our Web Site.



WARNING

**DO NOT OPERATE ANY VEHICLE ON UNTESTED BRAKES!
SEE MINIMUM TEST PROCEDURE WITHIN**

ALWAYS UTILIZE SAFETY RESTRAINT SYSTEMS AND ALL OTHER AVAILABLE SAFETY EQUIPMENT WHILE OPERATING THE VEHICLE

IMPORTANT • READ THE DISCLAIMER OF WARRANTY INCLUDED IN THE KIT

NOTE: Some cleaners may stain or remove the finish on brake system components. Test the cleaner on a hidden portion of the component before general use.

Important Notice - Read This First

Before any tear-down or disassembly begins, review the following information:

- Due to OEM production differences and other variations from vehicle to vehicle, the fastener hardware and other components in this kit may not be suitable for a specific application or vehicle.
- It is the responsibility of the purchaser and installer of this kit to verify suitability / fitment of all components and ensure all fasteners and hardware achieve complete and proper engagement. Improper or inadequate engagement can lead to component failure.
- We recommend using an anti-seize lubricant on all aluminum nuts before tightening.

Parts List

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	330-10839	Parking Brake Cable	2

General Information

- Installation of this kit should **ONLY** be performed by individuals experienced in the installation and proper operation of disc brake systems. Prior to any attempt to install this kit, please check the following to ensure a trouble free installation.
- Inspect the contents of this kit against the parts list to ensure that all components and hardware are included.
- If you have any questions, please call our customer service department at (805) 388-1188.

Disassembly Instructions

Disassembly:

- Raise the rear of the vehicle off the ground and support with jack stand and/or according to the vehicle manufacturer's instructions.
- This cable kit is intended to be used with Wilwood's rear CPB kits as listed on the cover page of this document. One of these kits must be installed prior to installing this cable kit for this kit to fit properly.
- From underneath the vehicle start by removing the bolts holding the center exhaust heat shield to expose the parking brake cables and set it aside (figures 1 and 2)
- Remove one bolt holding the dust shield to floor pan. Slide cables out of dust boot and set dust shield assembly aside for later use. Factory cables will not be needed. (figures 3).
- Remove all OE cable brackets from cables and retain for reassembly (figure 4).
- Loosen the console from inside the vehicle to gain access to the handbrake adjuster. This will require the removal of the rear ashtray and two access panels, one under the hand brake handle and the other at the rear of the console (figure 5)



Figure 1



Figure 2

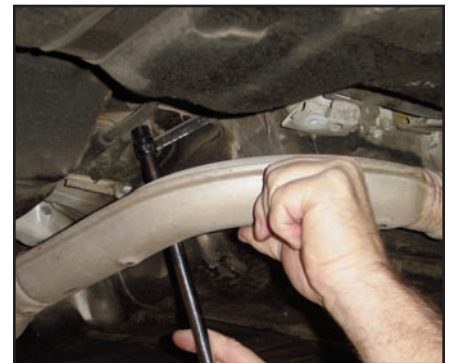


Figure 3

Disassembly Instructions (Continued)



Figure 4



Figure 5



Figure 6

- Remove the two screws under the hand brake handle and two screws on the forward sides of the console (figure 6). Lift up console and slide forward to allow access to the hand brake adjuster.
- Remove adjuster nut and pull up on hand brake handle to remove shaft from parking brake equalizer assembly (figure 7).
- Remove the two bolts (one visible, one hidden under carpet) holding the balance bar assembly to the floorboard and rotate cable ends to the side of retainer to remove (figure 8).
- Set the balance bar assembly and the cable holder aside for later use. Remove OE cables from underneath and discard.



Figure 7



Figure 8

Assembly Instructions

IMPORTANT:

- To ensure maximum performance from your parking brake system, the cables must be routed as straight as possible. Bends in the cable can significantly reduce efficiency and thus reduce pull force at the brake. Tight bends must be avoided with a minimum recommended bend radius of 6" to 8".
- Cables should be properly restrained to prevent "straightening" of bends when tension is applied. Restrain movement of cable by affixing the cable sheath to body or chassis by fitting cable clamps at various points over the length of cable or by using original equipment cable attachments points. The clamping method chosen will require that cable sheath be held tightly without movement, crushing or causing interference to the internal cable.
- Cables must be initially pre-stretched by multiple applications of the brake handle, then re-adjusted to correct tension.

Assembly:

- Carefully route lines to prevent contact with exhaust or moving suspension, brake or wheel components. Wilwood cable kits are designed for many different vehicle applications and it's the installer's responsibility to properly route and ensure adequate clearance and retention for parking brake cable components. Use OE plastic, or metal line clamps (not supplied with kit) to secure cable to vehicle chassis or frame.
- Uncoil the new cables ensuring that the crimped or welded ball ends are facing toward the rear of the vehicle.
- Feed the barrel end of the cables through the dust shield and boot then feed cables upward through the hole in the floorboard.

Assembly Instructions (Continued)

- Install OE cable brackets onto Wilwood cable as they were removed from OE cable.

- Route the cables along the same path as the OE cables were.

- Install cable end fitting into the cable stop bracket on the caliper and install ball end into clevis on caliper actuator arm (figure 11).

- Install OE cable brackets the were previously removed and tighten bolts leaving some slack between rearward bracket and caliper for suspension movement.

- Move inside vehicle to reassemble the parking brake equalizer assembly. Insert the cable ends into the equalizer in the same manner as they were removed. Straighten the cables to the rear in the retainer and press the outer cable ends into the retainer. You might have to “open up” the retainer slightly (figure 9.)

- Replace the two bolts that hold the retainer onto the floorboard and tighten (figure 10).

- Insert hand brake handle adjuster shaft into retainer and replace adjuster nut. Adjust until all slack is out of cables.

- Reinstall heat shield under car by reversing the removal procedure.

- Reinstall console by reversing the removal procedure.

- Reinstall wheels and torque lug nuts to manufacturer’s specifications (figure 12).

Setting the Parking Brake:

- The CPB caliper is a self-adjusting unit, it will require the installer to do the initial adjustment as outlined below.

From Inside the Vehicle:

- Apply light to moderate pressure on the brake pedal and hold.
 - Cycle the parking brake lever on and off until the caliper adjusts to the rotor until it no longer gets tighter.
- After bleeding and bedding the brakes per the brake kit installation instructions, carefully test the holding power of the parking brakes. Test parking brake in a safe area, first on a flat surface by pushing on the vehicle, then on a slight incline by applying and releasing handle multiple times. Please reference the minimum test procedure below.
- For the best results always put pressure on the brake pedal as you set the parking brake.

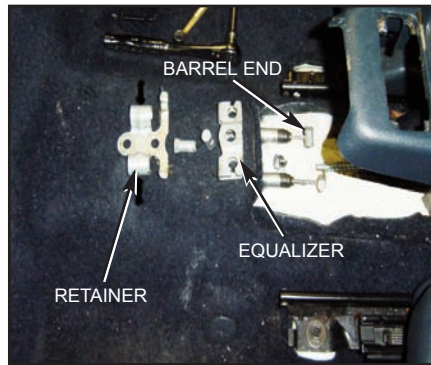


Figure 9



Figure 10

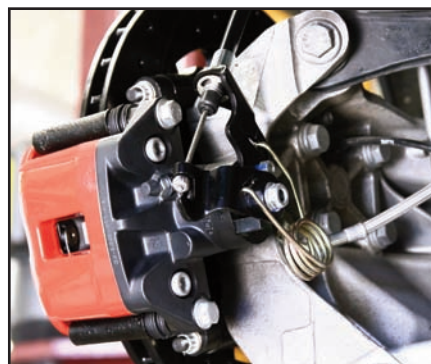


Figure 11



Figure 12

Brake Testing and Pad Bedding

**WARNING • DO NOT DRIVE ON UNTESTED BRAKES
BRAKES MUST BE TESTED AFTER INSTALLATION OR MAINTENANCE
MINIMUM TEST PROCEDURE**

- Make sure pedal is firm: Hold firm pressure on pedal for several minutes, it should remain in position without sinking. If pedal sinks toward floor, check system for fluid leaks. DO NOT drive vehicle if pedal does not stay firm or can be pushed to the floor with normal pressure.
- At very low speed (2-5 mph) apply brakes hard several times while turning steering from full left to full right, repeat several times. Remove the wheels and check that components are not touching, rubbing, or leaking.
- Carefully examine all brake components, brake lines, and fittings for leaks and interference.
- Make sure there is no interference with wheels or suspension components.
- Drive vehicle at low speed (15-20 mph) making moderate and hard stops. Brakes should feel normal and positive. Again check for leaks and interference.
- Always test vehicle in a safe place where there is no danger to (or from) other people or vehicles.
- Always wear seat belts and make use of all safety equipment.

PAD BEDDING PROCEDURE:

• Pump brakes at low speed to assure proper operation. On the race track, or other safe location, make a series of hard stops until some brake fade is experienced. Allow brakes to cool while driving at moderate speed to avoid use of the brakes. This process will properly burnish the brake pads, offering maximum performance.