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ASSEMBLY INSTRUCTIONS

FOR

WILWOOD INTERNAL PARKING BRAKE CABLE KIT

FOR USE WITH WILWOOD FORGED DYNALITE AND BILLET SUPERLITE 4 INTERNAL PARKING BRAKE KITS

PART NUMBER GROUP

330-9371

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:

- **Wilwood rear brake kits are not supplied with parking brake cable hardware or adapters.**
- **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

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	330-9371	Parking Brake Cable	1
2	300-11636	Cable Clamp	6

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.

Installation

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.**

- Uncoil parking brake cable and lay out flat, figures 1 and 2.

- Starting with either side, remove parking brake cable from cable cover. Grasp ball end and pull cable completely out of the cable cover, figure 3.

Figure 1

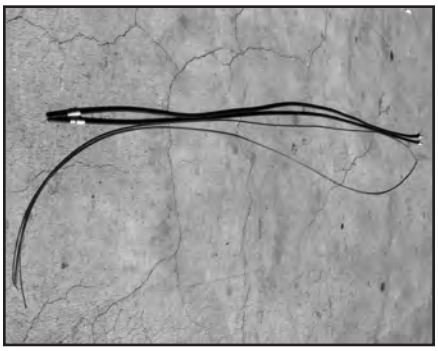

Figure 2

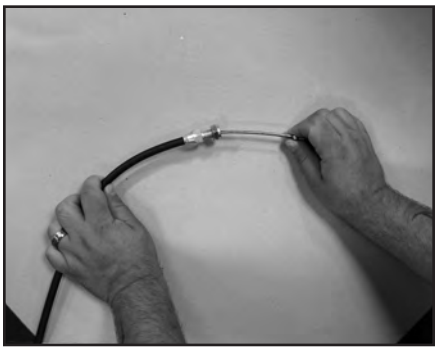

Figure 3

Installation (Continued)

Figure 4

Figure 5

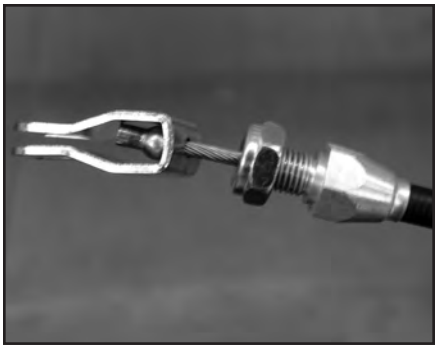

Figure 6

- Insert non-ball end of cable through small diameter hole inside clevis and pull cable until ball is secure against the inside face of the clevis, figures 4 and 5.

- Reinsert cable into cable cover and feed all the way through, figure 6.

- Slide slot in clevis over the parking brake lever. Slide cable end fitting into the slot on the cable stop bracket and snug down the supplied 7/16" lock nut, figure 7. ***NOTE:*** *It is recommended that you use anti-seize lubricant on all aluminum nuts.*

- Route the cables forward tracing the OEM cable route exactly. **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 OEM or aftermarket line clamps (not supplied with kit) to secure cable to vehicle chassis or frame.

- Repeat the previous steps from the beginning on the other side of the vehicle. Continue with the installation after you have both cables routed forward.

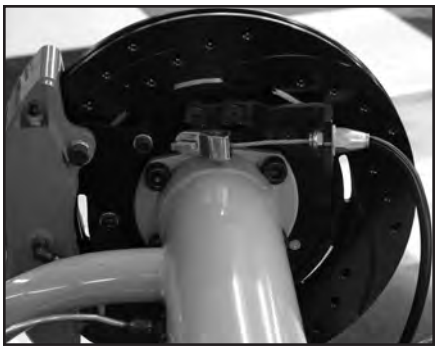

Figure 7

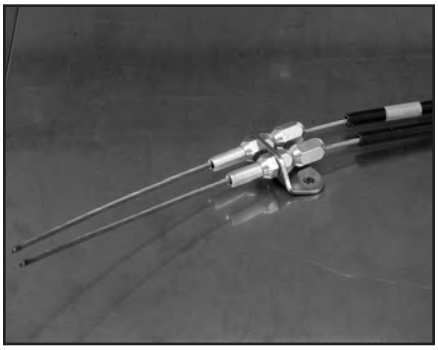

Figure 8

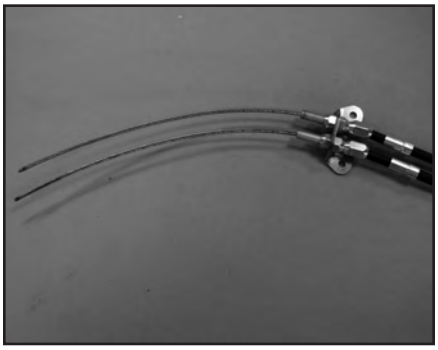

Figure 9

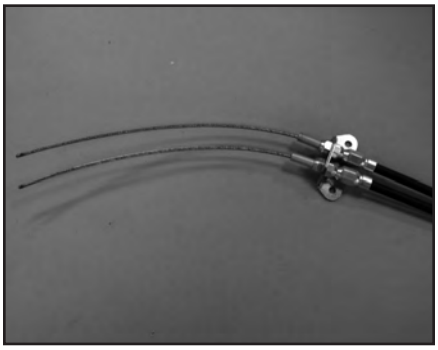

Figure 10

- Slide the Housing End Adjuster over the two inner cables, until it bottoms out against the cable covers, figure 8. Remove tape from cable covers and slide ferrules into the Housing End Adjuster, figure 9 and 10. ***NOTE:*** *Put a little red Loctite® 271 on ferrule before inserting to help hold it in position.*

- Loosen all four setscrews on the top of the Cable Block assembly enough to allow the inner cable to slide through, figure 11. Slide both inner cables through cable block and snug down setscrews, figure 12.

Figure 11

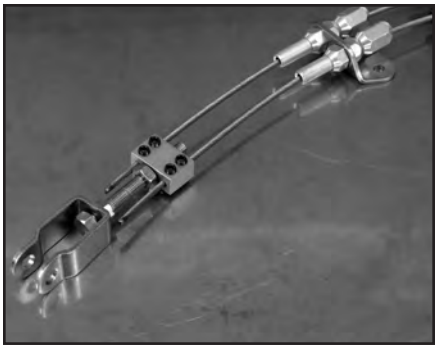

Figure 12

Installation (Continued)

- Attach Cable Block to equalizer or hand brake handle by sliding Cable Block clevis over either the equalizer or the handle attachment point. Push clevis pin completely through the holes in the clevis. Slide washer over the clevis pin and insert cotter pin, but do not bend over, figure 13.

- Remove slack from inner cable by loosening setscrews, pulling the inner cables through the block with pliers and tightening setscrews, figure 14.

- Final adjustments are performed at the threaded portion of the block assembly. The housing end adjuster can also provide additional tension adjustments.

- Adjust the internal parking brake shoes by removing the dust cover from the inboard side of the backing plate, figure 15.

- Using a brake shoe adjustment tool (available from any auto parts store), or straight screwdriver, adjust the “star” wheel while spinning the rotor until a slight drag is felt, figure 16.

- Test parking brake in a safe area, on a slight incline then on a steeper incline. If further adjustments are necessary, please repeat the above referenced procedure and test again.

- If you still are having problems with the installation, contact your Wilwood retailer where the product was purchased. Additional technical support is available by call Wilwood Sales and Technical department at (805) 388-1188 or for e-mail technical assistance at: support@wilwood.com.

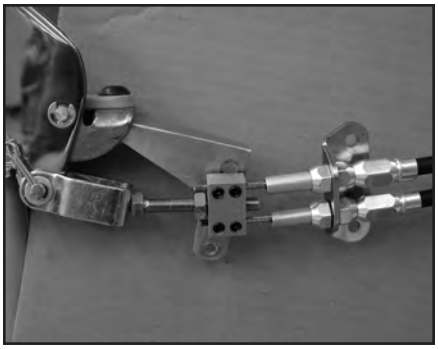

Figure 13

Figure 14

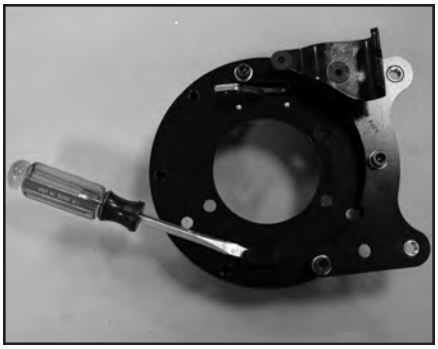

Figure 15

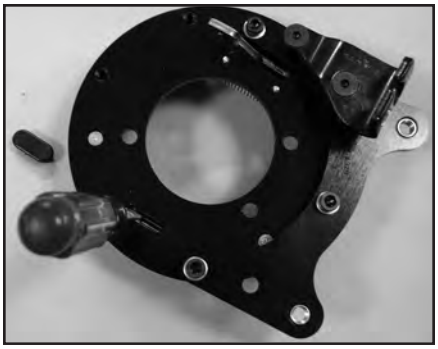

Figure 16

Installation (Continued)

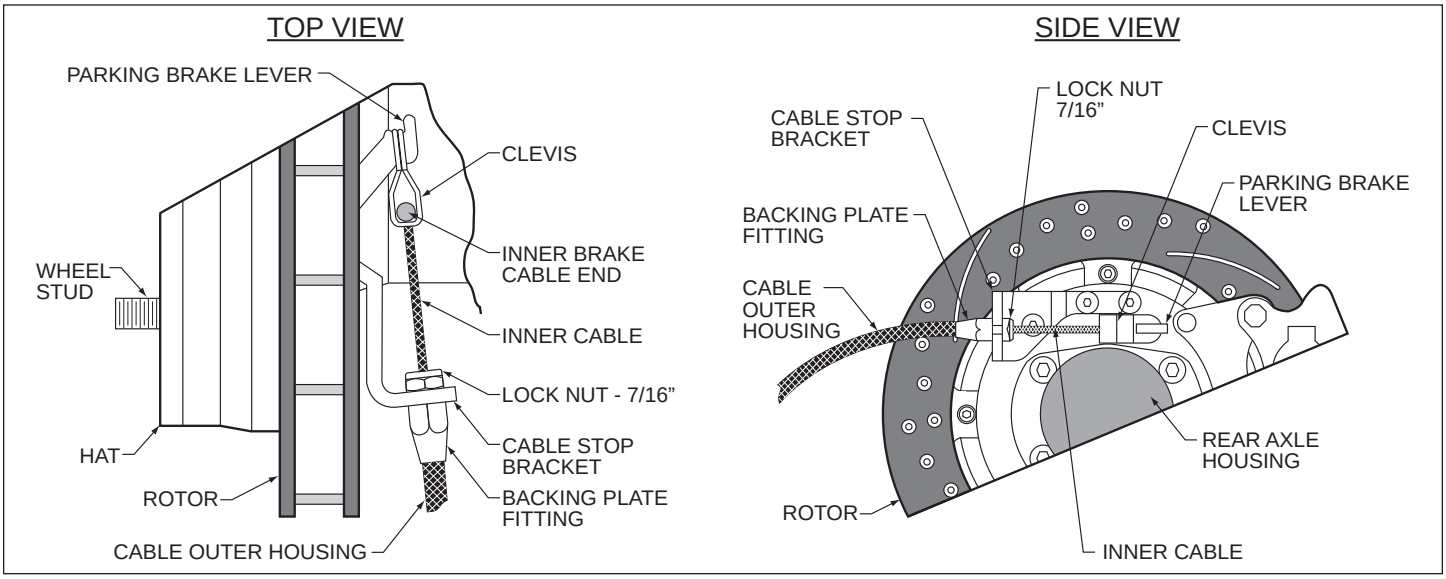

Figure 17. Typical Cable Installation, Top and Side View

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 STEPS:

Once the brake system has been tested and determined safe to operate the vehicle, follow these steps for bedding of all pad materials and rotors. This procedure should be performed on a race track or other safe location where you can safely and legally obtains speeds up to 65 MPH while also being able to rapidly decelerate.

•Begin with a series of 8-10 light stops from approximately 30 MPH down to 15 MPH allowing 20-30 seconds for cooling between each stop.

•Progress to a series of 8-10 moderate stops from around 45 MPH down to 30 MPH allowing a 20-30 second cool down period between each stop.

•Proceed with a series of 8-10 hard stops from 55-65 MPH down to 25 MPH allowing 20-30 seconds of cool down time between each stop.

•Drive at a moderate cruising speed, with the least amount of brake contact possible, until most of the heat has dissipated from the brakes. Avoid sitting stopped with the brake pedal depressed to hold the car in place during this time. Park the vehicle and allow the brakes to cool to ambient air temperature.