



Give Them[®]
A BRAKE



SAFEDRIVE PRO[™]

MAINTENANCE KIT INSTRUCTIONS

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READ ALL INSTRUCTIONS - OBSERVE ALL WARNINGS

If you are not familiar with installation of mechanical components and/or use of the Tools Needed for this installation, refer this installation to someone qualified.

Instructions:

Read these instructions completely before beginning installation. Failure to follow these instructions can result in a system malfunction which could cause the vehicle not to stop and/or extra work.

System Maintenance:

Prior to every training session, examine components for wear and tear. Perform complete annual inspections for any signs of wear and tear, especially with the cable. Replace components if needed.

Inspect Parts:

Check the Materials Supplied for possible damage in shipping. If any parts are damaged, contact us for replacement parts at support@givethemabrake.com. Please include your order number if applicable.

System Testing / Practice:

After installation and prior to use, test the system thoroughly. Become familiar with the feel and input strength needed to stop the vehicle before instructional training.

Check Installation Location:

Some components require the installation of mounting screws into the firewall and floorboard of your vehicle. Check for possible obstructions such as brake lines, electrical lines, or fuel lines. Relocate installation points as necessary.

Brake Sensitivity:

It is important to practice using the system before training begins. The SaveDrive Pro brake pedal will typically require a little more foot pressure than the driver side brake and require less travel to apply the brake (you don't have to push down as far to achieve maximum braking).

Tools Needed:



Socket wrench set and screwdriver



Two adjustable wrench's



Heavy-duty wire Cutters or tin snips

Materials Supplied:



2 Steel Cables



1 Cable Conduit



1 Pivot Spring




1 Cable Spring






2 Guide Rollers


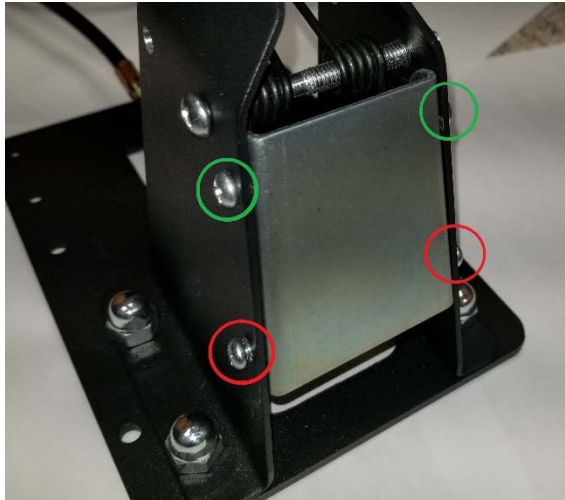






3 Zip Ties



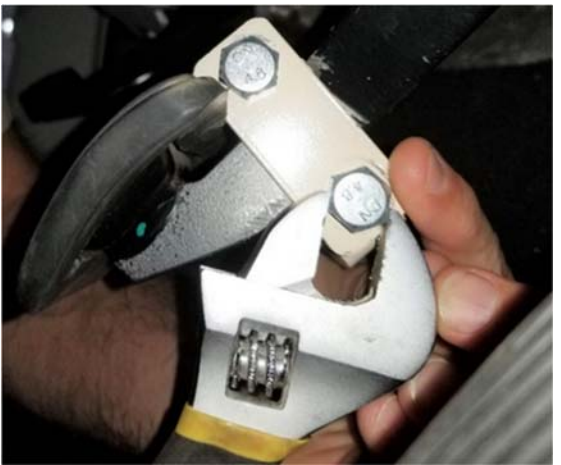
 Pro Tip: Prior to installing the Maintenance Kit, take pictures of your current installation.




Step by Step Installation Instructions:


Step 1: Uninstall Quick Connect	Parts needed: None
	<p>On the driver's side, remove the QuickConnect which is found bolted to the firewall behind the driver's brake pedal. The Steel Cable is attached to the firewall from the QuickConnect.</p> <p>Then remove the old Steel Cable from the QuickConnect by loosening the bolt and pulling the cable through. The cable will have a sharp bend in it from being crimped and held in place on the QuickConnect.</p>
Step 2: Remove Old Steel Cable	Parts needed: None
	<p>On the passenger's side, disconnect the Steel Cable from the SafeDrive Pro by removing the bolt, lock-washer, and washer from the base of the pedal and cut the Steel Cable as shown.</p> <p>From the driver's side, pull the Steel Cable back through to remove it from the Cable Conduit.</p> <p>Disconnect the old Cable Conduit and Cable Spring from the base of the SafeDrive Pro by releasing the nuts attaching it to the base.</p>
Step 3: Detach Conduit Cable from Pulley	Parts needed: None
	<p>Remove the PulleyMount from the vehicles brake pedal and disconnect the old Cable Conduit by unscrewing the nut attaching it to the base.</p> <p>Note the orientation of the PulleyMount, it will need to be replaced in the same location and angle.</p> <p>Discard the old Cable Conduit, Steel Cable, and Cable Spring.</p> <p>Tip: Take a picture before you remove it so you can install it back in the same location.</p>

<p>Step 4: Replace Guide Rollers</p>	<p>Parts Needed: Two Guide Rollers</p>
	<p>On the PulleyMount, slightly loosen the nut holding the silver pulley and single guide roller in place.</p> <p>Remove the nut holding the two Guide Rollers that are side-by-side in place. Carefully slide the bolt out. There is a small washer that will come out with the two Guide Rollers. Discard the old Guide Rollers.</p> <p>Reassemble using the new Guide Rollers and washer in the same order they were removed.</p> <p>Tighten down the nuts.</p>
<p>Step 5: Access Pivot Spring</p>	<p>Parts Needed: None</p>
	<p>Loosen the two screws marked in red, do not remove them.</p> <p>Remove the two screws marked in green which hold the back plate in place. Removing these screws allows the back plate to swing down – you may need to pull it down if you did not loosen the two bottom screws enough.</p> <p>⚠ Use some caution as the Pivot Spring is under tension. The plate may swing open when you remove the screws marked in green.</p>
<p>Step 6: Replace Pivot Spring</p>	<p>Parts needed: Pivot Spring</p>
	<p>Once the back plate swings down, note the orientation of the Pivot Spring, the new one needs to go back the same way.</p> <p>Remove the bolt as shown and slide the screw out that is holding the Pivot Spring in place.</p> <p>Slide the bolt back into place while threading it onto the new Pivot Spring.</p> <p>Replace the bolt on the screw and tighten down gently.</p>

<p>Step 7: Replace Cable Spring</p>	<p>Parts needed: Cable Spring</p>
	<p>Swing the brake arm up and out of the way.</p> <p>Insert the Cable Conduit into the mounting hole on the SafeDrive Pro.</p> <p>Place the nut into the gap in the Cable Spring and tighten the nut into place firmly. Note the orientation of the spring after tightening. The Cable Spring needs to be aligned as pictured to re-attach to the mount on the brake pedal arm.</p>
<p>Step 8: Install New Steel Cable</p>	<p>Parts Needed: Steel Cable</p>
	<p>Route the Cable Conduit back to the driver's side.</p> <p>From the passenger's side, thread the new Steel Cable, pointed side first through the center of the Cable Spring and into the Cable Conduit. Stretching the Cable Spring a bit will let you visualize where the Steel Cable end and Cable Conduit hole are aligning.</p> <p>Once the Steel Cable tip is in the Cable Conduit, keep pushing the cable through until it comes out of the other side on the driver's side. Then pull the cable through until the looped end fits into the Cable Spring.</p> <p>The final assembly should look as shown here.</p>
<p>Step 9: Re-Attach Cable Assembly</p>	<p>Parts Needed: None</p>
	<p>Place the looped end of the Cable Spring and Steel Cable over the brake pedal arm mount.</p> <p>Next, install the washer onto the brake pedal mount. Make sure the Steel Cable is not pinched between the Washer. Lastly, place the lock washer and locknut. Snug down the locknut, not too tight, just snug.</p> <p>⚠ DO NOT OVER TIGHTEN THE LOCKNUT OR YOU MAY SHEER THE MOUNT OFF THE BRAKE PEDAL.</p> <p>The final assembly should look as shown here.</p>

<p>Step 10: Replace Back Plate</p>	<p>Parts Needed: None</p>
	<p>Using your fingers, or a screwdriver as shown, push the Pivot Spring arms down while lifting the plate up. When you push the arms down, the brake pedal will lift up.</p> <p>Once the spring arms catch under the plate, continue to push the plate up and into position. Then replace the green marked screws you removed earlier.</p> <p>Gently press the brake pedal to test that it pushes down and springs back to position. If it does not easily push down, stop and check the Pivot Spring position in the next step. If it does, go to Step 11.</p>
<p>Step 10a: Check Pivot Spring</p>	<p>Parts Needed: None</p>
	<p>If you were unable to press the brake pedal down, in Step 10, follow this instruction to check placement of the Pivot Spring.</p> <p>This is a close-up of the correct fit for the Pivot Spring onto the brake arm. Note the small flange sticking down and the Pivot Spring is resting on the left side.</p> <p>If the Pivot Spring is on the right side of the flange, use a screwdriver to push the Pivot Spring down while lowering the brake pedal to get it into the correct position.</p>
<p>Step 11: Re-Install Pulley Mount</p>	<p>Parts Needed: None</p>
	<p>Re-install the PulleyMount that was removed in Step 3</p> <p>Install the PulleyMount by sandwiching the vehicle's brake pedal arm between the two bracket plates of the PulleyMount. Install the PulleyMount's bracket in the same location and orientation it was removed from.</p> <p>Tighten down the bolts firmly and evenly. The PulleyMount should be very secure and not move or twist at all.</p>

<p>Step 12: Attach Cable to Quick Connect</p>	<p>Parts needed: None</p>
	<p>Thread the cable through the hole in the bolt of the QuickConnect. Make sure the washer is in place and hand tighten the nut on the QuickConnect.</p> <p>Reinstall the QuickConnect over the same holes from where the old one was installed and firmly tighten the bolts.</p> <p>Note: It is easier to first thread the Cable through the hole and then attach the QuickConnect to the firewall.</p>
<p>Step 13: Secure Cable on Quick Connect</p>	<p>Parts Needed: None</p>
	<p>Now pull the Cable through the QuickConnect removing slack from the Cable and then tighten the nut down.</p> <p>Note: Make sure that when you pull the cable through to remove slack, you are not pulling the cable so tightly that you end up applying the vehicle's brake. A small amount of bend in the cable is normal as show in this picture. Check to make sure the car's brake lights are not on before fully tightening the nut down. If they are on, you have overtightened the cable. Loosen the cable a bit, check again, then tighten the nut.</p>
<p>Step 14: Prepare for System Test</p>	<p>Parts Needed: None</p>
	<p>Make sure all your connections are secure.</p> <p>You can "test press" the SafeDrive Pro brake to make sure the cars brake pedal is moving. It will not move easily because the car engine is not running yet.</p> <p>Press the SafeDrive Pro brake pedal hard. This will test to make sure everything is connected and nothing is slipping.</p> <p>Double-check to be sure nothing moved after pressing the SafeDrive Pro brake several times with force.</p>

Step 15: Test the System	Parts Needed: An Assistant
 <p data-bbox="256 842 724 877">ALWAYS TEST BEFORE USE</p>	<p data-bbox="800 279 1154 310">Start the car, leave it in park.</p> <ol data-bbox="800 352 1446 947" style="list-style-type: none"> 1) Step on the SafeDrive Pro brake pedal and observe that the vehicles brake pedal is being applied. Step down again, hard, to simulate an emergency stop of the vehicle. Do this several times. 2) Check that the cable is gliding freely through the pulley on the PulleyMount, and any cables remain positioned out of the way of the driver's feet and gas pedal. Use included zip ties as needed. 3) Remove your foot from the SafeDrive Pro brake pedal and make sure the vehicle's brake returns to the rest position. 4) Check that the vehicle's brake lights turn off after applying the SafeDrive Pro brake. 5) Double check to make sure none of the cables or fittings have slipped after simulating an emergency stop using the SafeDrive Pro brake. 6) Road test the vehicle in a safe location.

Congratulations, you're all done and your Lifetime Warranty is now renewed for another two years!

In cases where the SafeDrive Pro brake has not seen extensive use, replacement of the springs, Conduit Cable, and rollers may not be necessary. However, the Steel Cable must be replaced every two years. Failure to replace the Steel Cable could lead to an unexpected failure of the brake at a critical time.



If you have any questions, feel free to contact us at the email address below or call. We would be happy to assist you any way we can! We appreciate your business and will continue to work hard to provide you innovative and secure solutions for your driving instruction needs. We give you our best because you deserve the best.

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