

Ultimate 4WD™ Electric Park Brake Install

Toyota LandCruiser 70 series

Special information and disclaimer for fitting the **Bendix Electric Park Brake**.

The 70 Series LandCruiser has long been a favourite when it comes to hardworking fleet vehicles. However, a common complaint about the 70 Series is its poor factory parking brake function to the point where rollaways are an all too frequent occurrence. To solve this issue, Bendix now offers the **Ultimate 4WD Electric Park Brake**.

The Bendix Ultimate 4WD Electric Park Brake for the 70 Series LandCruiser features a replacement rear caliper that incorporates an Electric Park Brake Function along with the wiring loom and switch to make it all work. This replacement rear caliper also retains the OEM hydraulic dimensions and functionality, OEM pad shape, and OEM park brake, with bolt-on fitment and no engineering required. The kit also features a rear set of Bendix Ultimate 4WD Brake Pads to suit the vehicle. Before commencing the install, raise the vehicle, remove the wheels, and inspect the condition of the vehicle's rear brake rotors.

Please spend some time reading through the installation instructions before commencing to prevent incorrect installation.



Assembly

- 1 To install the Bendix Ultimate 4WD Electric Park Brake, begin by mounting the control module at this location under the dash.

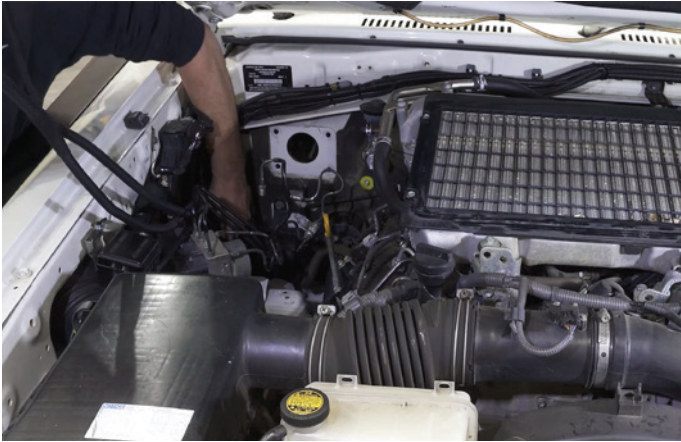


- 2 Next, connect the wiring harness through the firewall. There is a grommet behind the brake booster that provides good access between the engine bay and underneath the dash. The fastest way to access this is by removing the brake booster. This is also a good opportunity to upgrade to a Bendix Ultimate 4WD Dual Diaphragm Brake Booster if the vehicle isn't already fitted with one.

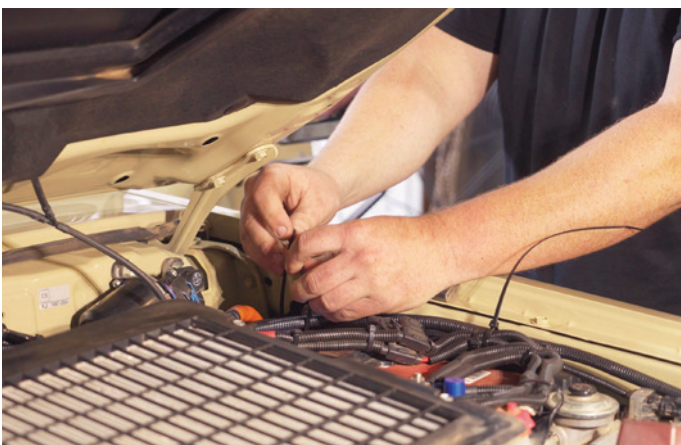
Brake booster (With ABS 08/2012 - ON)
U4WD-BBLC7ABS

Brake booster (without ABS 01/2007 - 08/2012)
U4WD-BBLC7NOABS

Toyota LandCruiser 70 series

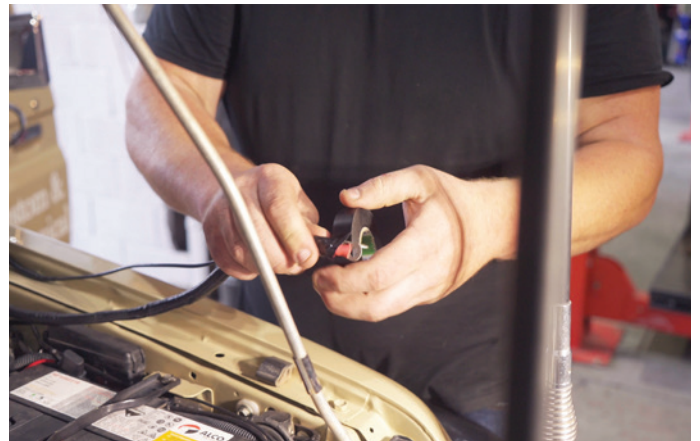


- 3** You will then be able to run the wiring harness through the engine bay using cable ties where possible to ensure that they are secured away from any moving parts or heat sources.

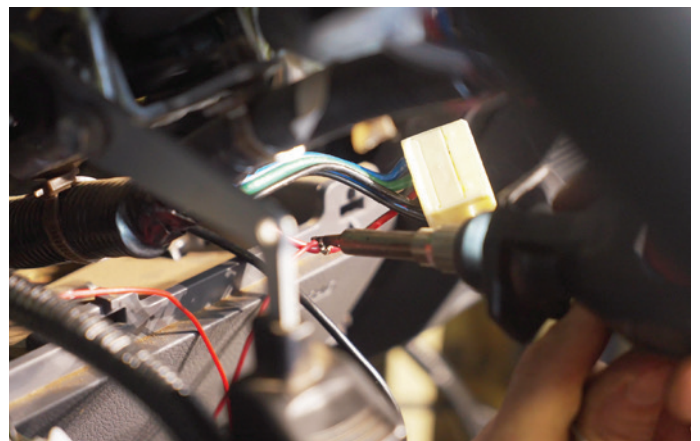


- 4** Then, run the positive and negative wires to the battery.

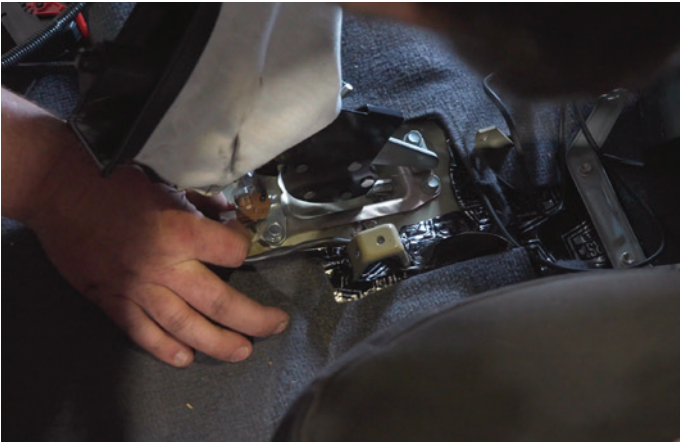
NOTE: Be sure not to connect the wires to the battery until after the new calipers have been fitted and pressure-bled.



- 5** Then, connect the Red AC Wire with green trace on the wiring plug to the ignition switch.



- 6** Next, remove the trim around the mechanical handbrake, noting the wire colour, and remove the dash cluster.



- 7** Locate the same colour wire and confirm using a multimeter. Once confirmed, connect the LED Vehicle Park Brake Dash Light Wire to the identified wire.



- 8** The EPB activation switch can be mounted in one of two positions. For all variants of the 70 Series LandCruiser, the switch can replace the 12 Volt 'cigarette lighter' socket in the dash, directly in line with the gear lever.



- 9** For the Workmate variant without electric mirrors, the switch can be fitted to a blanking plate on the dash to the right-hand-side of the steering column. Once the provided switch has been mounted in the preferred position, connect the wiring into the switch.



- 10** Moving onto the rear caliper install. Lift vehicle on hoist and remove rear wheels to get access to rear brakes.



- 12** Clamp the brake hoses to minimise fluid loss and remove the OEM calipers. At this point, Bendix recommends machining the rear rotors or replacing if required (Rear Brake rotor – BR794).

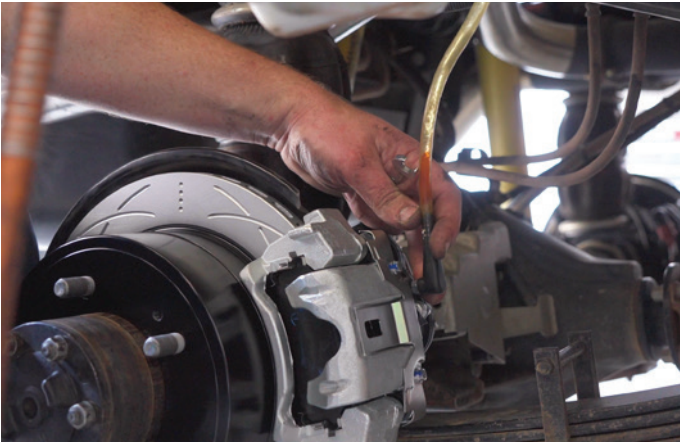


- 11** Begin by running the Electric Park Brake caliper wires along the chassis rail down to the differential and out to each caliper. Be sure to secure the harness to the chassis rail using cable ties at various points.

- 13** Once the rear rotors have been machined or replaced, fit the new Bendix Ultimate 4WD Brake Pads (DB1200) and brake pad mounting hardware over the new Bendix caliper, making sure to use Bendix Ceramasil Brake Parts Lubricant where needed, and fit the caliper to the vehicle.



- 14** Then, plug the Electric Park Brake caliper wires in and bleed the brake system.



- 15** Be sure to secure the caliper wiring up and away from any moving parts using cable ties.



- 16** Once bled, ensure that there is good pedal feel before testing the Electric Park Brake.



- 17** Next, ensure that the battery and charging system are to OEM specifications and connect the positive and negative wires.



- 18** To test operation, turn the ignition off and with the OEM hand brake disengaged, check that the Electric Park Brake activates, and the Vehicle Park Brake Dash Light comes on.





- 19** Once you've confirmed that it all works as it should, test drive the vehicle to ensure that the braking system performs as expected.

To complete the install, attach the provided CAUTION sticker to the vehicle drivers' door.



- 20** The Ultimate 4WD EPB also has a 'service mode' to wind back the EPB to allow for brake pad change. There is a card detailing this process provided within the kit. Be sure to add this to the vehicle service book so future service technicians can understand this process.

The EPB can also be hardwired at install to allow for other auto-activation options, including auto-activation of the park brake when the driver's door is opened or if a door on a service body is opened. Wiring diagrams for these and other options are detailed on the Bendix website, or discuss with your Auto Electrician.

Once fitted, the Bendix Ultimate 4WD Electric Park Brake works in conjunction with the vehicle's OEM handbrake to provide a much-needed extra level of insurance against rollaways, keeping yourself and those around you safe on the job. For more information on Bendix's range of Ultimate 4WD Brake Products, visit www.bendix.com.au



OE LOGBOOK SERVICING

Bendix brake components are appropriate for the purpose intended and if installed by qualified staff, to the vehicle manufacturer's specifications, can be used in logbook servicing.



LEADING TECHNOLOGY

Bendix engineers are dedicated to building more control, less noise and faster installation into every new product we create.

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with confidence™*

