

PACIFIC RESTYLING™
OEM & AFTERMARKET AUTOMOTIVE PARTS

***Universal
Aftermarket
Lumbar Support
Systems***

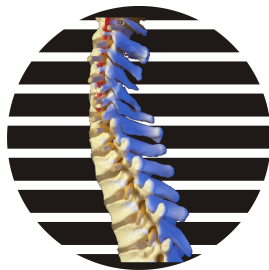
Installation Guide

- Component Description•
- Assembly Diagram •
- Warranty•

Model E

Part # **E050-1713**

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SCHUKRA®
MANUFACTURING INC.
310 CARLINGVIEW DRIVE
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Lumbar Support Systems and OCS sensors

*If your vehicle is equipped with airbags, **most** vehicle manufacturers place front passenger side seat airbag sensors in one of three places:*

- *on the rails of the seat itself*
- *on the foam of the seat cushion*
- *a bladder-type device located between the seat cushion foam and the seat frame.*

The lumbar device does not interfere with an air bag sensor in these locations.

*However, there are some manufacturers (e.g. some HONDA models) which use an airbag sensor located on the surface of the seatback foam. In a case such as this, it is **NOT RECOMMENDED** to install the lumbar support system on the seat.*

The lumbar system is not to interfere with the sensor in any way!

*****Before installing the Universal Aftermarket Lumbar Support System on your vehicle's front passenger side seat, check with your vehicle's manufacturer about the location and type of OCS sensor so as not to interfere with the airbag safety feature in your vehicle*****

Model E

GUIDELINES FOR INSTALLATION

2-WAY MANUAL MECHANICAL LUMBAR UNIT

PART# **E050-1713**

REFER TO MODEL E ASSEMBLY DIAGRAM (PG 6) FOR ITEM NUMBERS

**This aftermarket automotive lumbar equipment
has a wide range of installation applications**

****This guide assumes that the installer has
sufficient knowledge of interior automotive layouts
and is proficient with the removal/replacement of
automotive seat components & upholstery
on both older and newer model vehicle****

- Please review the equipment dimensions (Pg 6 Assembly Diagram) to determine if there is sufficient room in your seat back cavity to mount the equipment.
- There must be enough available space in your seat back cavity to house and allow for the smooth operation & trouble-free movement of the device to function as intended, without interfering with any other possible mechanism(s) that may also be housed in the seat back cavity
(eg. active headrest mechanisms, airbag safety mechanisms, sound system components, etc).
- The lumbar adjustment dial is directly connected to the actuator assembly.
There must be approximately 10 cm of perpendicular space directly behind your chosen location for the adjustment dial to accommodate the actuator assembly.
- Installation of this unit can vary greatly depending on the build design of the seat frame

Remember ☺

Common sense and logic are your friends !

Model E

INSTALLATION GUIDE

2-WAY MANUAL MECHANICAL LUMBAR UNIT

PART# **E050-1713**

*** BEFORE INSTALLATION PLEASE READ THE INSTRUCTIONS***

REFER TO MODEL E ASSEMBLY DIAGRAM FOR ITEM NUMBERS

The installation method for this unit may be modified based on the layout and/or seat structure of your actual vehicle.

1. Check Assembly Diagram (Pg 6) for components of this unit and that all are present in your package.
2. Remove seat from the vehicle and remove covers from the cushion and back. This manual mechanical lumbar is intended to be mounted in the cavity behind the foam of your seat's BACKREST.
3. Remove large seat foam from backrest. Measure approximately 40 cm from top of seat cushion or have the customer sit on the seat to locate the most appropriate mounting height location.

40 cm (~16") is a standard/universal measurement, but do be aware that not everyone has the same length torso and so where they need lumbar support is also not the same. The key to beneficial lumbar support is to ensure you have placed the unit at the right height in the seat back to provide optimal support for your particular client.

4. Hollow out foam for lumbar support ribs and motors to a depth of about 5 to 10 mm ($\sim \frac{3}{8}$ " - $\frac{5}{8}$ "), or, as needed. This will allow the backrest to lay flat.
5. Attach top portion of guidewire assembly (Item 01) to seat frame utilizing a seat frame cross-member, at approximately 36 cm ($\sim 14\frac{1}{4}$ ") from top of seat cushion.
You may also secure the guidewire assembly by means of heavy-gauge cable ties.
Utilizing self-tapping screws on the backrest frame will provide securement points for the cable ties.

Secure the bottom corners of the assembly to the backrest frame as well.

6. Secure the adjustable angle 0° attachment bracket (REF. assembly diagram item 5) on bottom of guidewire assembly to an existing bottom cross-member (or add a bar if necessary).
Screws, cable ties and other fasteners are suggested hardware.

****If adding an additional support bar, be sure to smooth all edges of your bar once it has been cut to size. This eliminates the potential for damage your upholstery, foam and/or skin.**

7. MOUNTING THE ACTUATOR:

- The actuator housing/mounting bracket is meant to be attached to a location along the metal of the seat frame - either the backrest or lower cushion.
Most factory lumbar have the adjustment handgrip located on the outboard side of the lower seat frame, however, with this aftermarket equipment, you have the option to place it where you like ...
but do remember my friends common sense and logic wins the day here!
- Fitting the bracket is largely a matter of trial and error to find the best access/adjustability.
Your location will be highly controlled by finding a spot which allows the necessary room behind the bracket for the cable actuator to extend. *Remember approximately 10 cm of perpendicular space will be needed here behind your chosen location for the actuator.*

Note: The bracket has one die-cut screw hole in it's shorter segment that is meant to go against the seat frame. It is recommended to use 2 mounting screws here, spaced ~25 mm apart, to ensure a more solid mounting and eliminate the chance of the bracket rotating out of position with use. One must drill a secondary hole through the bracket to accommodate this secondary screw. Once you have a solidly mounted bracket, then its time to attached the actuator assembly to it.

There are two screws included with your device to use here. Form a loop with the cable from the bottom of the lumbar basket to loop up and over the exterior side of the guidewires, trending in the direction of your bracket and at the same height.

You can secure the cable to the guidewires with some shop tape (duct tape or strapping tape works well). Use an adhesive for this function as a cable tie can slide out of place. The object here is to keep the cable casing stationary and keep the cable positioned so that the cable within can move freely when adjusted.

Make sure these securement points are between 15 to 25 centimeters down from the top of the guidewire hanging loops and that the loop has enough slack in it to maintain smooth movement of the cable when adjusting. A cable retention clip is an included package component that you may find useful to help with further securement of the cable within the seat back.

Before securing the cable loop with tape double check that the actuator reaches the mounting bracket comfortably. Insert the actuator into the mounting bracket. Secure with screws (item 10).

IMPORTANT **DO NOT ATTACH the adjustment handgrip until AFTER you have refit your upholstery covers !
The handgrip can be removed again, but is is not easy to do so.

NOTE: Some vehicles may have a pre-existing die-cut hole already in the metal of the seat frame that would accommodate the lumbar actuator. Utilize this feature instead of the bracket if the logistics make sense.

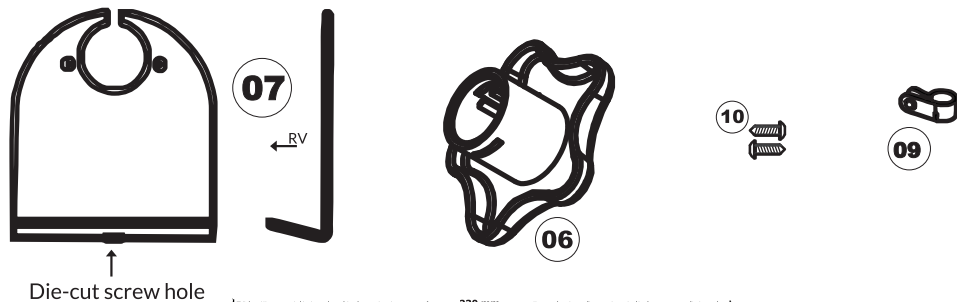
8. Refit Covers: You will have to score the upholstery cover to allow the actuator to come through in order to attached the adjustment handgrip. Take some time and care with this task to ensure your score mark is precise.
9. Attach the lumbar adjustment handgrip to the actuator assembly. Push the handgrip straight down over the actuator and rotate until you hear an audible "click". Test by pulling on the handgrip to check for secure connection.
The lumbar support adjustment handgrip for this device is the commonly utilized circular shaped dial with a fluted perimeter to allow the fingers & palm of the hand to keep a solid no slip grip on the dial while adjusting support.

Check to make sure your final position for this dial lays within the edges of the seat upholstery so as not to hinder in/out passenger movement and, so that nothing can get caught up on it, such as a skirt hem or a bag strap or handle.
10. Finish by testing that the lumbar is working smoothly for both in and out movement and that it is indeed in the correct height position to be of benefit to the user. Everything ZEN??? Install that seat back into the vehicle and go have yourself a beer - *Good Job !*

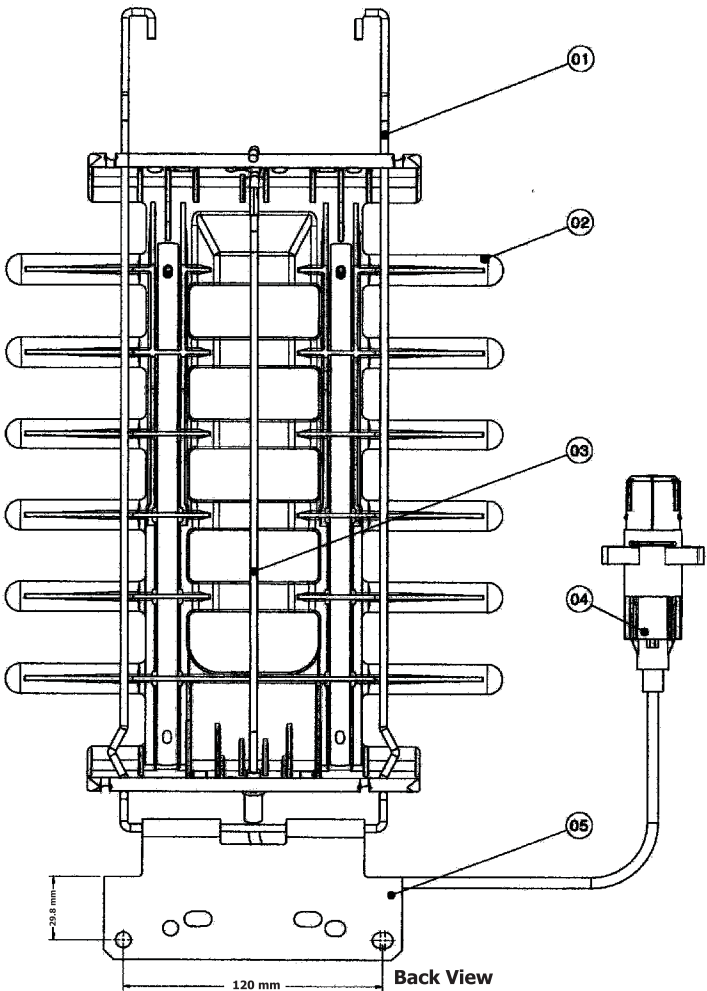
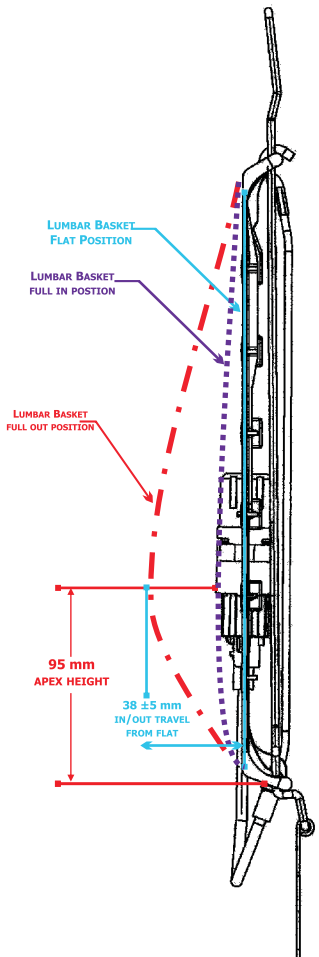
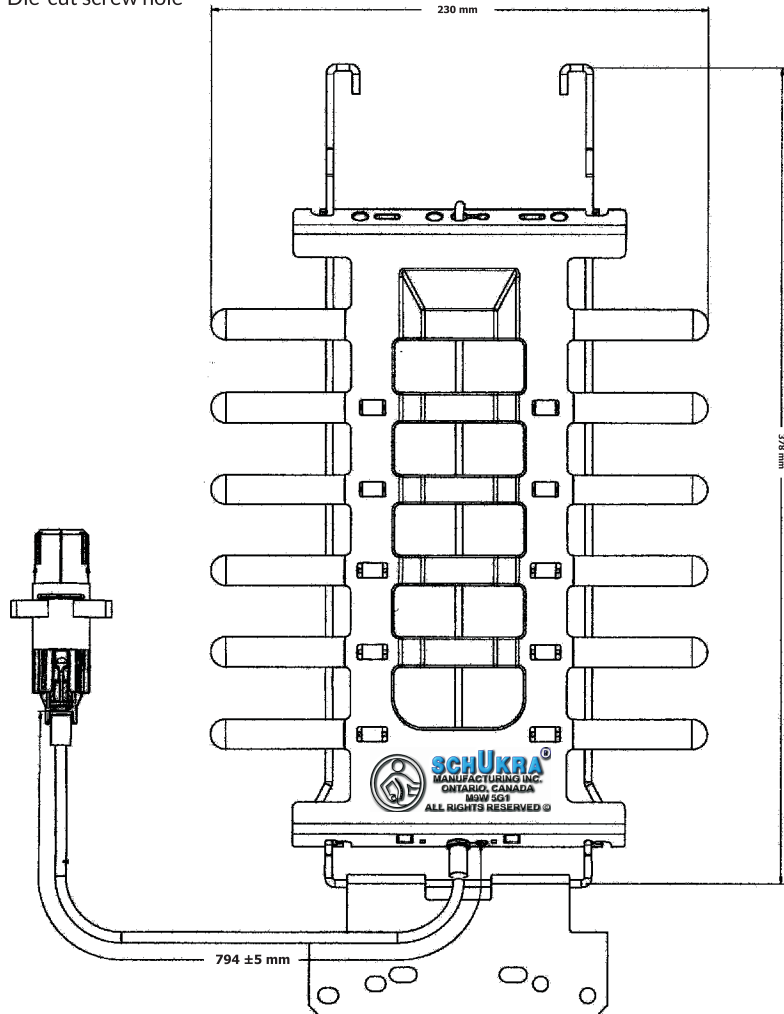
Part# E050-1713 - SCHUKRA® BRAND AFTERMARKET
2-Way Manual Mechanical Lumbar Support (Schukra®)



Distributed by:
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L&P 3P0558		
ITEM	COMPONENT DESCRIPTION	REF:
01	GUIDEWIRE	3010701
02	PLASTIC BASKET ASSEMBLY	5012807
03	CABLE ASSEMBLY	5400201
04	ACTUATOR ASSEMBLY	5039802
05	O' ATTACHMENT BRACKET	6400301
06	LUMBAR ADJUSTMENT HANDGRIP	2005929
07	ACTUATOR HOUSING/MOUNTING BRACKET	157H-76
08	-----	-----
09	CABLE RETAINER CLIP	584
10	ACTUATOR MOUNTING SCREWS x2; PHILLIPS/HEXHEAD; Ø: 4MM L: 20MM	1009305

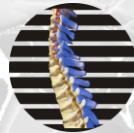




Warranty and Return Policy

Electric Lumbar Supports

Three (3) Year Warranty



Manual Lumbar Supports

Limited Lifetime Warranty

Pacific Restyling Products Ltd. warrants that we will replace the Universal Aftermarket Lumbar Support Systems mechanisms for up to three (3) years from the date of purchase.

This warranty is extended only to the original purchaser and does not cover collateral damage.

This warranty only covers failure due to defects in materials or workmanship which occur during normal use.

Any modifications done to the original unit renders this warranty VOID.

An authorized return may be made with a product in the same condition as when purchased for a 15% restock fee. All shipping charges must be paid by the purchaser and are not refundable.