



STRUT TOWER BRACE INSTALLATION INSTRUCTIONS

PART NUMBER **D180-0462**

APPLICATION: 1999-00 E46 323i, 328i
2000 E46 323i/ci/iT, 328i/ci (includes convertible)
2001-06 E46 325i/ci/xi/iT, 330i/ci/xi (includes convertible)

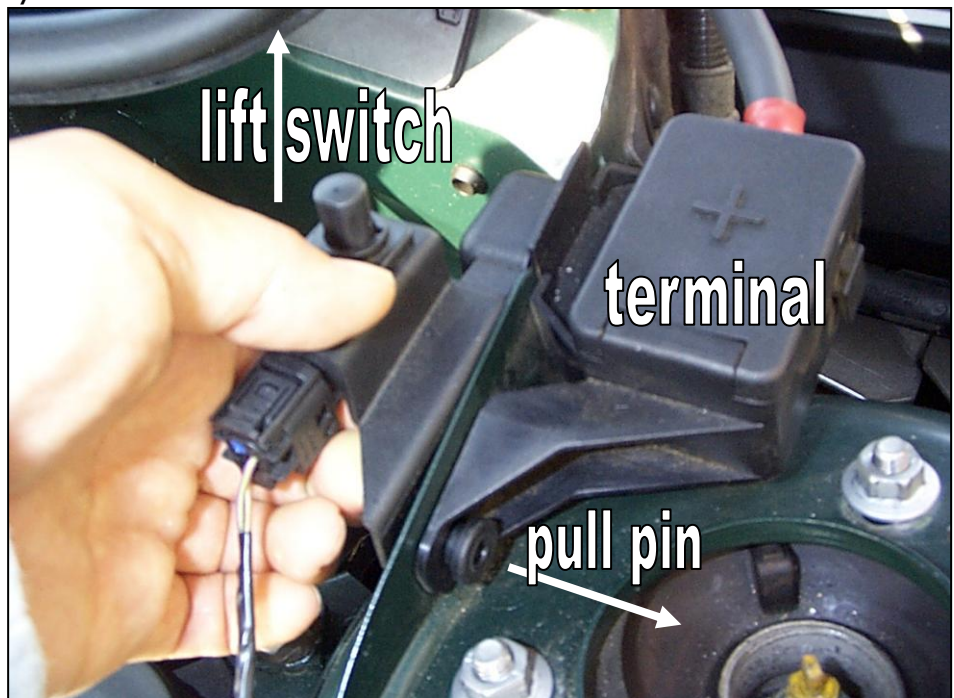
PARTS LIST

<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
1	D183-0461	Left endplate assembly
1	D183-0463	Right endplate assembly
1	D183-2460	Brace center section
1	D183-1023	Hardware kit

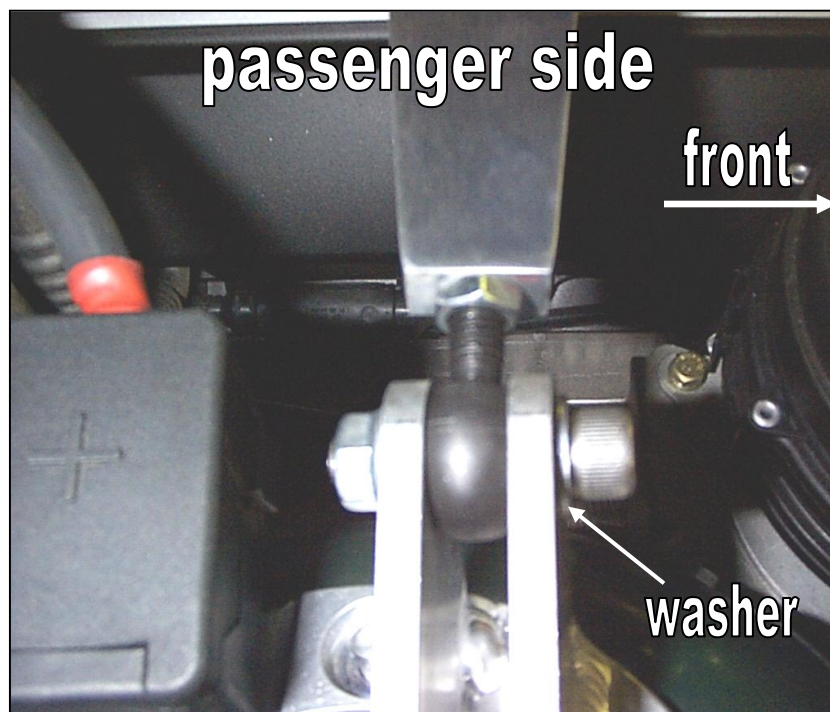
Congratulations for being selective enough to use a Dinan Engineering Stress Brace. We have spent many hours developing this brace to assure that you will receive maximum performance and durability with minimum difficulty in installation. Please take the time to read these instructions and call us if you have any difficulties during the installation.

1. Park the vehicle on a flat, level surface. Remove the three flange nuts on top of each strut tower. You will not be reusing these nuts. Try not to move or disturb the vehicle until the stress brace is completely installed.

2. On the passenger side, move the remote positive battery terminal up and out of the way. This is done by lifting off the black rubber weather stripping, then lift the switch upwards (see picture) while pulling the plastic pin out in the forward direction. Now the terminal is free and can be lifted upwards.



3. Place the endplates onto strut towers with ears pointing inwards. The right (passenger) endplate has a wide cut-out to accommodate the battery terminal above. Install the supplied flange nuts loosely so the endplates are free to move. Do not tighten them at this time.
4. Screw a 3/8-16 nut onto each rod-end (at this time, use the thicker “regular” nuts), leaving approximately 1/4” of thread exposed between the nut and head of the rod-end. Then screw both rod-ends into the brace up to the nut.
5. Carefully position the brace so that the rod-ends fall between the ears on the endplates. The brace center section should be installed so that the logo is readable from the front of the car. Adjust the rod ends inwards or outwards so that the holes in the rod-ends line up with the holes in the ears. Adjust the rod ends evenly so that the amount of exposed thread is equal on both sides. The narrower jam nuts may be used instead of the thicker regular nuts if more adjustability is needed. Do not tighten nuts at this time.
6. Attach the brace to the ears with the supplied stainless-steel hardware. The washers sit under the head of the bolt. The flanged nuts go on the back (see picture). Do not tighten at this time.



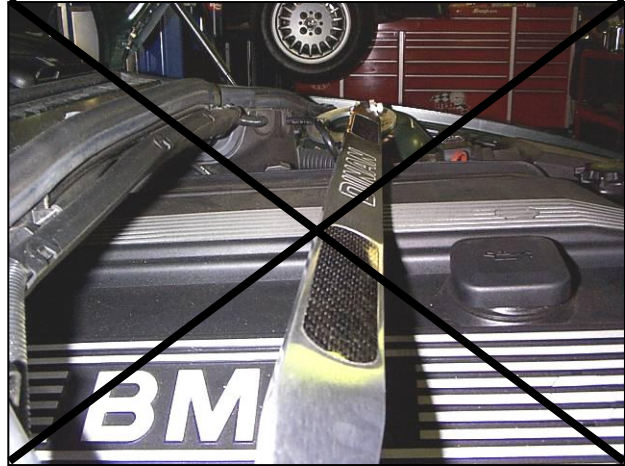
At this point all the pieces should be installed in position with none of the hardware tightened.

7. Now, secure endplates to strut towers. Nuts should be tightened to 18 ft-lbs.
8. Then tighten the ears. To maintain the finish on the ears, hold flanged nuts with wrench while tightening the Allen-head bolts.

9. Make sure the logo surface is parallel with the motor or the ground or somewhere in-between (see picture). ***If the center section is rotated outside of this window, damage may occur.** Tighten both jam nuts against brace to hold the adjustment.



Correct



Incorrect!

10. Secure the positive battery terminal by reversing the procedure in Step 2. Enjoy!

D183-1023 PARTS LIST

<u>Qty</u>	<u>Part#</u>	<u>Description</u>
2	3/8-16 FLANGE	Nut
2	3/8-16 HEX	Nut
2	3/8-16 JAM	Nut
6	31 33 1 092 887	Locking Nut
2	D131-0265	3/8-16x2-1/4 Rod End
2	D671-0603	3/8-16x1-1/2 Allen (SS)
2	M10 FLAT	Washer
