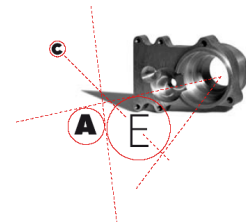


## CAE PERFORMANCE PRODUCTS

7 MAIN ROAD  
CASTLEMAINE, VIC. 3450  
Telephone : ( 03 ) 5472 1442  
Fax ( 03 ) 5472 4111

RP-PWR-TORANA-LH-LX-UC



### Parts List

1 x Power Rack & Pinion w/ Tie Rods – Assembled	2 x Special Nut Inserts
2 x Aluminium Mounting Brackets	1 x M14 x 1.5 -> #6 Male Fitting (Fitted)
1 x Steering Shaft – Machined to Suit OEM Steering Uni	1 x M16 x 1.5 -> #6 Male Fitting (Fitted)
2 x M12 x 100mm Socket Head Cap Screws	1 x M14 x 1.5 -> OEM Style Fitting
2 x M10 x 30mm Socket Head Cap Screws	1 x M14 x 1.5 -> OEM Style Fitting

## LH-LX-UC TORANA ‘RACK-IT’ POWER STEERING RACK INSTRUCTIONS

**Note: CAE Performance Products recommends fitment of this product be installed by qualified mechanic/personnel**

Installing the new “RACK-IT” power steering rack is relatively straight forward and only requires a few basic hand tools, i.e. socket set, spanners a ball-joint/tie-rod separation tool, 2 Allen keys (5/16<sup>th</sup> and 3/8<sup>th</sup>) and an angle grinder.

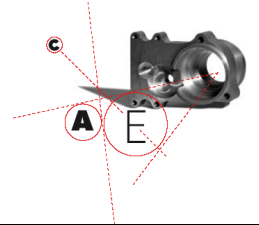
Prior to fitting your new power steering, we recommend having the front end totally cleaned with a high-pressure washer to remove any old grease/dirt build up. This will give neat look and a clean area to work with. If possible we suggest removing the engine to make life easier, as this will also allow more room to modify the driver side engine mount.

1. Remove the old Rack and pinion from the front end and punch out the old bolts that locate it to the Crossmember.
2. Mark out and cut engine mount to suit the new rack (use photos in these instructions as a guide to do so). Paint the cut away section to match the existing colour of your front end.
3. If you haven't already done so, remove steering arms from the stub axles and have them reamed to suit the taper of the new tie-rod ends. You can send these arms to CAE to carry out this process.
4. After refitting the steering arms to the front end assemble the mounting blocks to the new rack and screw on the new tie rod ends. Don't tighten the bolt on the mount blocks to tight, loosen the bolts on the new rack so they move freely.
5. Assemble the LH and RH tie rod ends to the steering arms and tighten. Doing this allows the suspension to hold the weight of the rack while you fit it up.
6. With the new special square nut, reach through the hole in the sub frame where the bottom wishbone locates and push the square section into the hole now left by the old rack mounting bolt.(refer to photo).

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For this next step you may require help to fit the rack as you have to check several things at once. Trial fit the rack to get the correct angle, as it goes through the engine mount cut out. Once you have the correct angle and you are happy with the clearance, do the top bolt up on the mounting clamp until the bolt is nipped up.

7. Insert the long bottom bolt through the mount block and tighten finger tight. Repeat this on opposite side.



You should now be able to tighten up all your bolts on the mounts and tie rod ends. Next fit the supplied steering shaft as per photo and couple to the original universal joint on the steering column.

Check and make sure this universal joint is not worn out. If it is, CAE Performance have replacements - Part No. STUNI-01.

### POWER STEERING PUMPS:

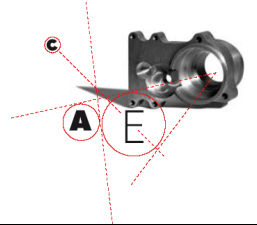
We have had success using either late model GM PWR Steering pumps or the remote mounted "Electric" Holden Astra pumps.

Note - Using an electric pump will need an alternator capable of charging 120amp or more.

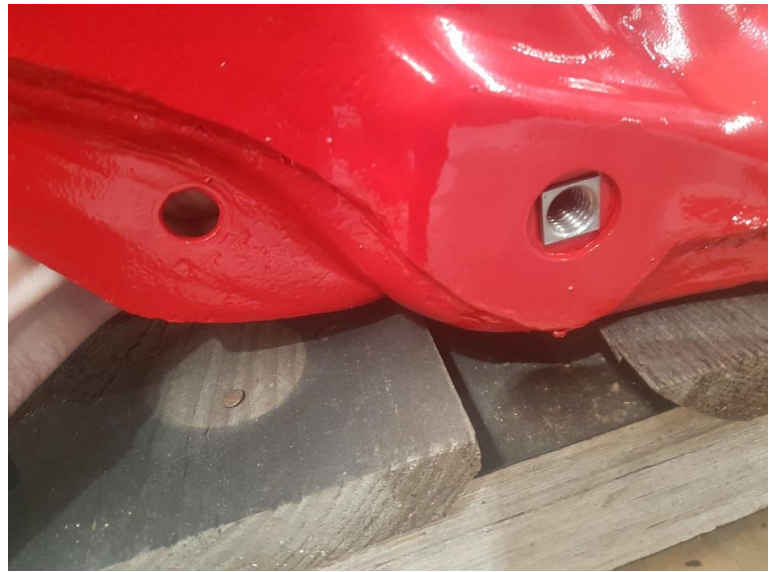
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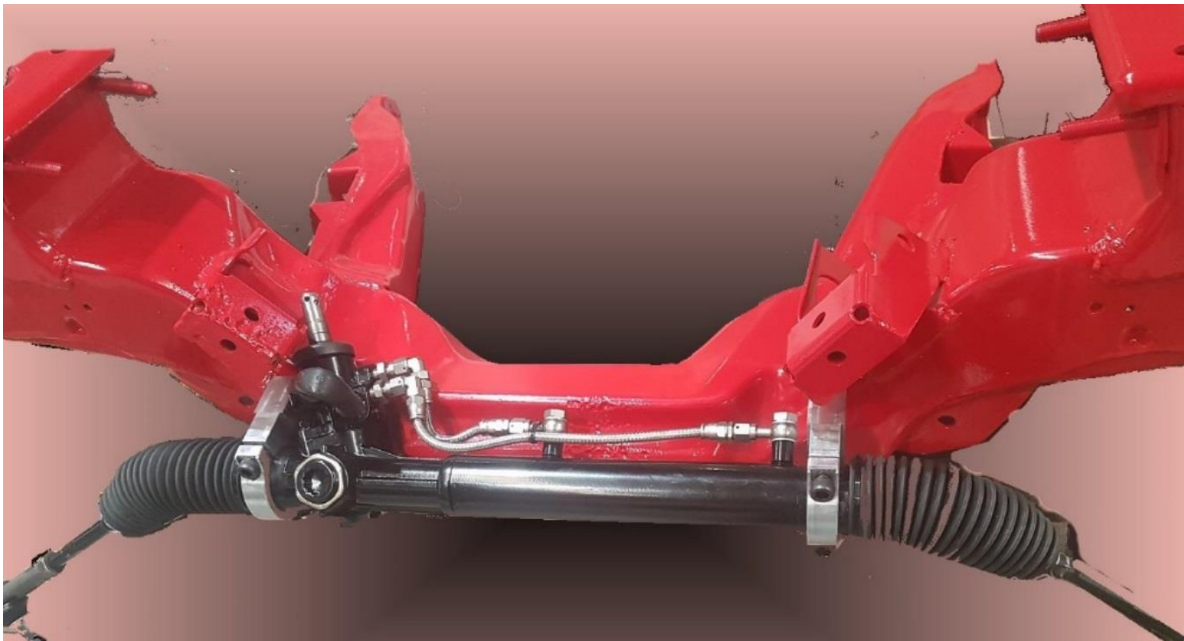
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Please call if you require any further information regarding this or other components from CAE Performance Products on 03 5472 1442.



SPECIAL NUT INSERTED

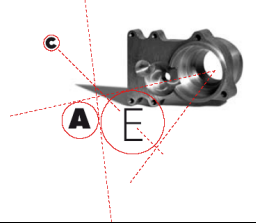


FINAL FITMENT

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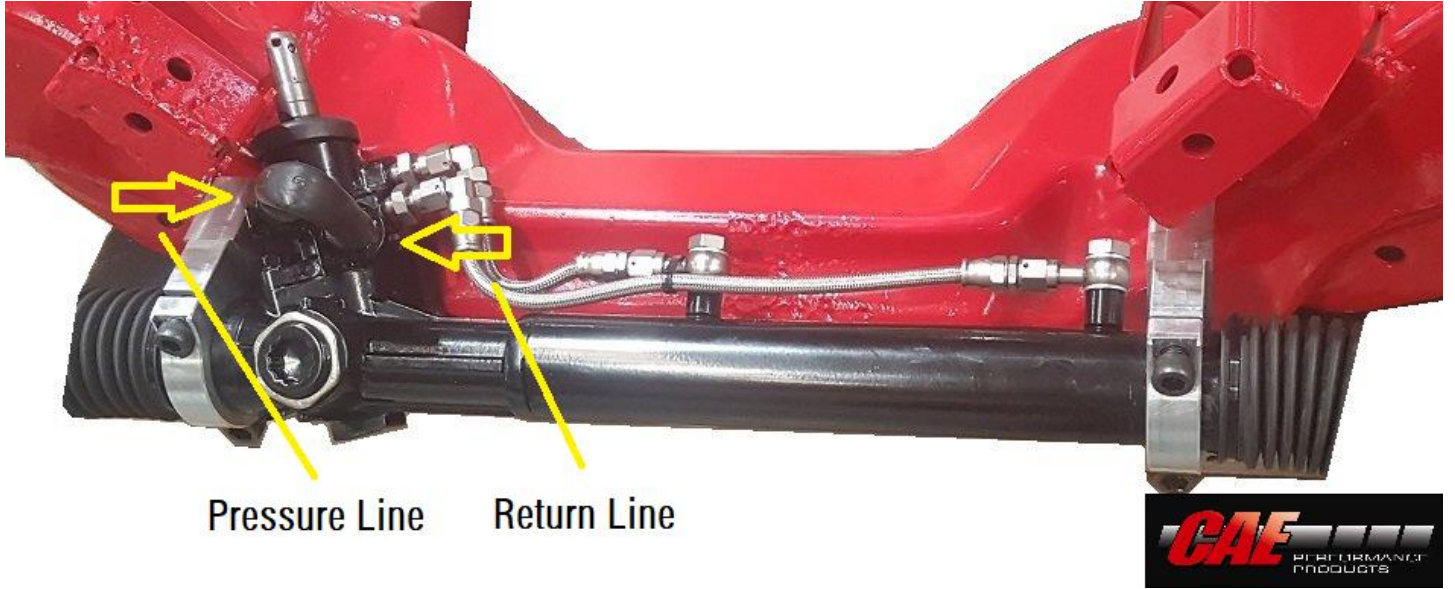
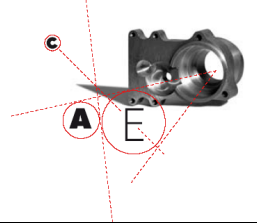
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Pressure Line

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