

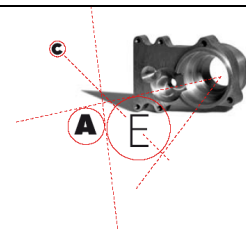
CAE PERFORMANCE PRODUCTS

7 MAIN ROAD CHEWTON 3451

Telephone: (03) 5472 1442

Email: info@caenterprises.com.au

Website: www.caeperformance.com.au



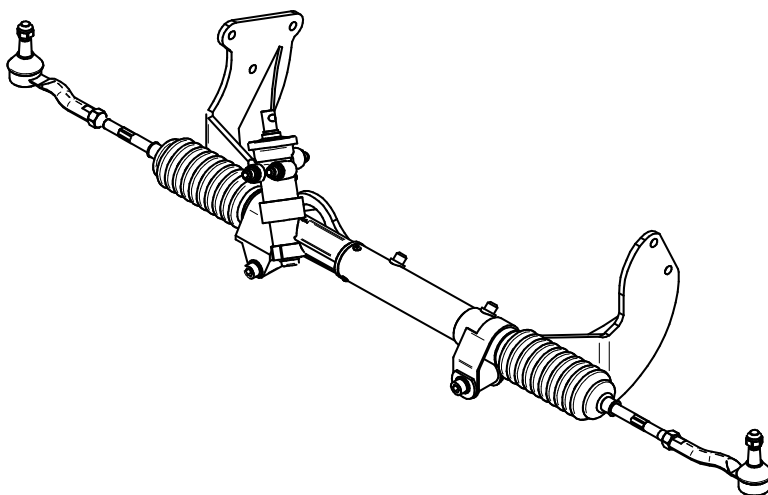
RP-PWR-CHEV-RHD

SERIAL NO:

DATE:



Chev 55-57 'RACK-IT' POWER STEERING RACK INSTRUCTIONS



Important Information

The purchase of this kit includes an Engineer's Compliance Certificate. In order to prevent fraudulent activity, a copy of this document will be accessible through a Registered Engineer. Please have your Engineer phone or email us to supply an Engineer's Compliance Certificate.

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

NOTE: CAE Performance Products cannot guarantee fitment of all header/extractor applications due to the availability of engines & exhaust components used. You may have to modify driver side headers to suit the rack & pinion supplied.

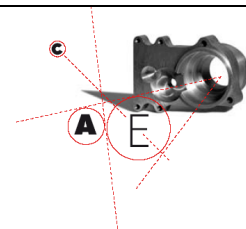
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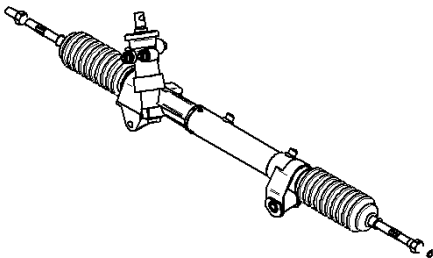
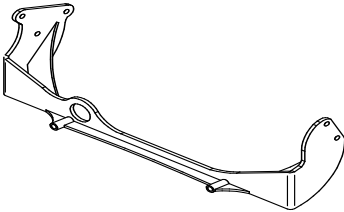
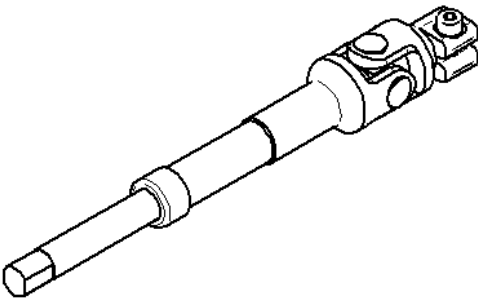


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Installing your new “RACK-IT” Power Steering Rack is relatively straight forward. Please read instructions & be aware of modifications required prior to installation.

Prior to fitting your new Power Steering Rack, we recommend having your front end totally cleaned with a high-pressure washer to remove any old grease/dirt & build up. This will give a neat look and a clean area to work with.

Kit Contents:

1 x CHEV PWR Rack assembly P/N- RP-PWR-CHEV-RHD	
1 x Rack mount P/N CAE-548L Width 725mm	 Note: Chassis rails do vary in width.
1x Steering coupling P/N STEERING-COUPLING-CHEV	

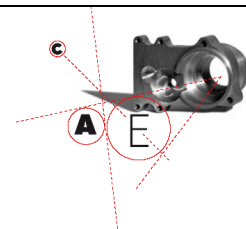
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1 x Left tie rod end P/N - TE8274L 1 x Right tie rod end P/N- TE8274R	
1 x Steering arms P/N – STEER ARMS-CHEV	 R.H.S. L.H.S.
5 x 3/8 x 4" UNF bolts 5 x 3/8 Nylock nuts 10 x 3/8 Flat washers 2 x 7/16 x 1 3/4" Bolts 2 x 7/16 x 2" Bolts	4 x 7/16 Flat Washers 4 x 7/16 Spring Washers 2 x M12 x 110mm SHCS 2 x M12 Nylock Nuts 2 x M12 Flat Washers

OPTIONAL EXTRAS

Depending on application of your vehicle and steering column used we can supply the following components at an extra cost:

3/4 DD-17mm **P/N ST-UNI-07**

1" DD-17mm **P/N ST-UNI-09**

Billet steering column **P/N STEER COLUMN-B- 30", 32" LONG – POLISHED FINISH**

STEER COLUMN- C 28" LONG & COLUMN SHIFT-POLISHED FINISH

STEER COLUMN-D 28" LONG-BLACK FINISH

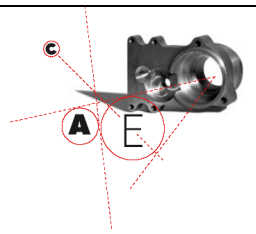
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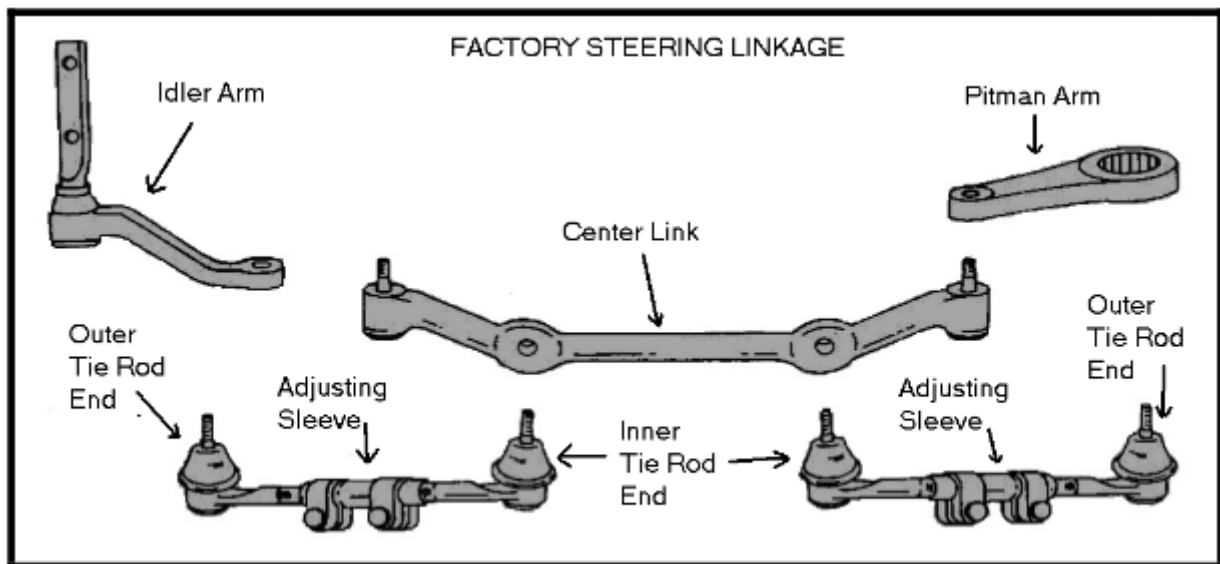
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Hoses and fittings can be supplied if required.
Please advise on hose lengths and fitting orientation
45 deg, 90 deg or straight

Removing Original Steering



(Please review the illustration to help understand terminology below)

Remove Steering Linkages, steering box & idler arm.

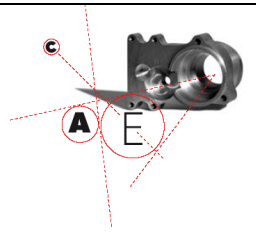
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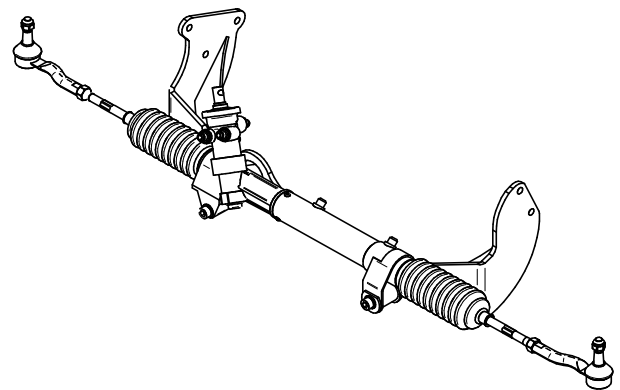
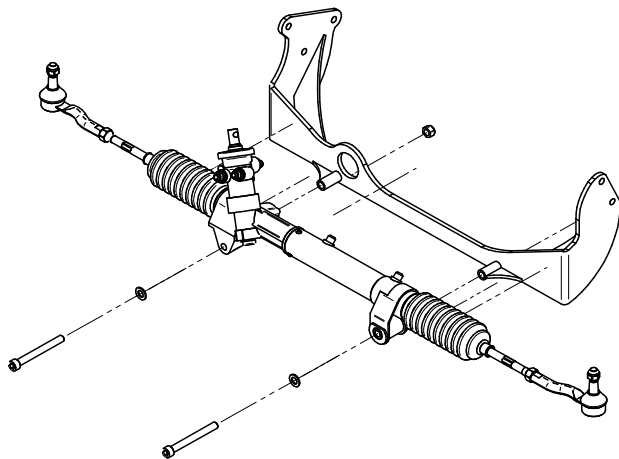
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Installing Power Steering Rack

1. Line up bolt holes on rack mount using the original idler arm and steering box bolt holes on chassis rails. Use 3/8 x 4" UNF bolts, washers and nuts supplied to bolt up rack mount.



(illustration on how the rack and bracket bolt together)

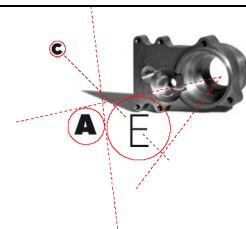
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Please note: Chassis rail distances may vary on each vehicle.

Depending on engine position this may be caused due to engine mounts and position of the engine as it varies. Sump may have to be modified to clear rack and pinion.

- 2. Remove old steering arms and bolt on new steering arms. Use one of each bolt 7/16 x 2" and 1-3/4" on each arm and 2 flat washers and Nyloc nuts from kit to secure arms on steering stub axles.**



**Passenger side
Steering arm
Attachment.
Bolt Steering Arm
to Spindle, Torque
to 40ft/lbs.
Insert Outer Tie
Rod Stud into
Steering Arm,
Torque to 40ft/lbs**

**Driver side
Steering arm
Attachment.
Torque Steering
Arm to Spindle
with 40ft/lbs.
Insert Outer Tie
Rod Stud up
through Steering
Arm, Torque to
40ft/lbs**



- 3. Check the power steering rack is in centre. Rack ends and tie rod ends may need to be cut to suit as we have experienced variation with stub axles and chassis width. Check toe in and toe out with tape measure. Ensure you get the same distance on front of the tyre and back of the tyre. Allow at least 12mm - 14mm of thread inside the tie rod when final adjustment of toe in/toe out is achieved.**

(Please note: Original headers may need to be modified to suit clearance of rack and pinion steering column shaft.)

Headers can be supplied to suit application Part No. CH-36-PS

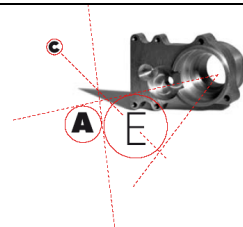
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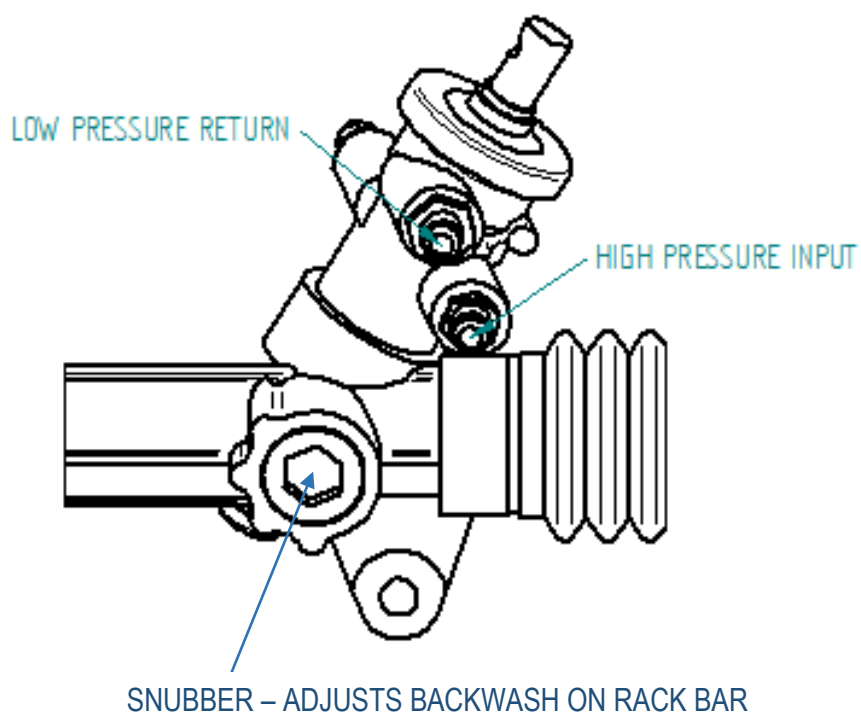
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Note: Below identifies which port is the pressure & which port is the return when attaching the steering lines & pump.



Please note: Ensure that lines are connected correctly on rack as damage can occur if lines are connected backwards.

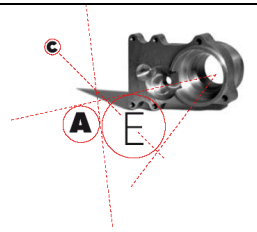
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Power Steering Pump Connection

Since there are many different pump & bracket options available, it is virtually impossible for us to cover all installations steps.

Here are a few general things to follow. The pump you use should have a pressure rating of 1,100 PSI, & a .5 GPM (Gallon per minute) flow rate. Keep in mind that this low flow, low pressure pump will give the driver of the vehicle the ease of power steering & maintain 'Road Feel'. Electric power steering pumps will also suit this application.

CAE Performance Products can provide Electric Power Steering Pumps or Mechanical Pumps & Brackets if required.

Power steering fluid – use ATF DX-3

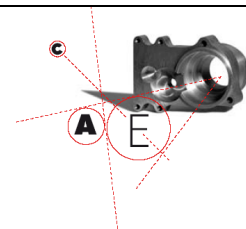
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C.A.E. PERFORMANCE PRODUCTS 'RACK-IT' POWER STEERING WARRANTY

Manufacturer's Warranty:-

All 'Rack-It' Racks & Components manufactured or modified by C.A.E. Performance Products Pty Ltd will be guaranteed against faulty workmanship for a period of twelve months.

The warranty is subject to the following conditions:-

- C.A.E. Performance Products recommends that this product be fitted by qualified personnel.
- All claims must be made within the warranty period.
- Any 'Rack-It' Rack & Components manufactured or modified that has been found to have faulty workmanship or related faults due to the workmanship of C.A.E. Performance Products will be replaced or repaired free of charge.
- The warranty will not apply to 'Rack-It' Racks & Components that has been installed incorrectly or has been subject to neglect, intentional or accidental damage, unauthorized repairs or modifications or used for the wrong application.
- The warranty does not cover installation of removal of 'Rack-It' Racks & Components or freight costs.
- The warranty will only apply to 'Rack-It' Racks & Components used for normal road use.

ORDERING

Orders can be placed by phone, fax or e-mail. We prefer official purchase orders from account customers. Please quote the part number, quantity and any special requirements when ordering.

SHIPPING

All orders are dispatched upon payment (except account customers). We ship Australia-wide every day. If you wish to use your own courier, please advise us of your courier name & account details & we can organize pick-up. Transport insurance can be arranged at the request of the purchaser.

DAMAGE

All goods are shipped in good condition & are packed accordingly. We can only handle damage claims for prepaid freight.

RETURN OF GOODS

All parts returned will incur a 20% re-stocking fee. Goods must be returned within 30 days & in resalable condition. Freight is to be paid by customer unless the goods are being returned due to manufacturing defect or shipping error, in which case they are to be shipped using our Australia Post Reply Paid account. C.O.D. post will NOT be accepted under any circumstances. Goods specifically made to customer requests cannot be returned for credit.

All goods remain the property C.A.E. Performance Products Pty Ltd until paid for in full.

PAYMENT

Payment can be made by credit card (surcharge), direct deposit, cheque/money order or cash over the counter. Please note that cheques & money orders must include the full amount of the order & freight costs. Personal cheques are subject to bank clearance (5 business days).