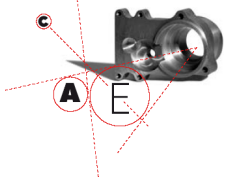
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HOLDEN HQ-WB DISC BRAKE URGRADE KIT



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ASSEMBLY

Please read instructions fully prior to installation!

STEP-1. Remove all old brake parts: Rotors, Callipers etc. and disconnect the Tie rod ends from steering arms.

STEP-2. Carefully compress springs and undo the upper and lower ball joints that hold the stub axles. Remove stub axles and steering arms and check for any damage. Whilst apart, radius top control arm for brake calliper clearance (see pictures supplied).

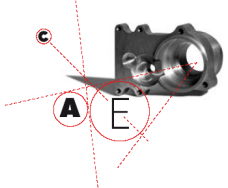
REPLACE ANY PARTS IF NECESSARY

STEP-3. Re-assemble the new brake kit by using the right side stub axle and pair it with the left side steering arm. Obtain mounting plate and bolt to stub axle using the opposing calliper mounting holes to the original position.

STEP-4.

1. Use supplied 7/16" x 4 thick flat washers between calliper bracket and stub axle **(Note: 2 per side – Stub axle may have to be clearance if it needs more spacers)**
2. Use supplied 7/16" x 2 3/4" Long UNF bolts to mount stub axle, mounting plate & steering arm.
3. Use 7/16 x 2" Long UNF bolts and nuts and spring washers for other mounting holes.

Make sure all spring washers and correct tensions are achieved

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ASSEMBLY CONT.

STEP-5. Obtain small plate with 3 holes and bolt to original calliper mounting point using the supplied **3/8" x 1" UNF** bolt, **7/16" x 1" UNF** bolt, **7/16" x 2" UNF** bolt, **14mm spacer**, spring washers and flat washers. Tighten all three bolts. (See picture attached)

NOTE: This setup is to suit Power Steering Arms. If you are using Non-Power Steering Arms, you will require a different bracket.

STEP-6. *Assemble right hand side stub axle to left side of car* (**New calliper mounting holes should now be facing backwards**). Fit all ball joints with spring washers, ensuring all bolts & nuts are tightened to specifications and all split pins are fitted.

Repeat procedure for other side

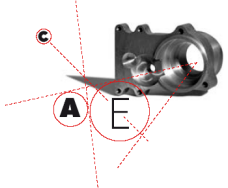
STEP-7. Fit new cups to hubs then grease bearing and oil seal in back of new hub and place on stub axle, insert greased outer bearing and fit washer and nut, then tighten to correct tension.

Once complete, fit split pin and dust cap

STEP-8. Fit tie rod end and tension.

STEP-9. Slide calliper onto new bracket, fit supplied 11mm spacers between calliper and mounting plate, ensuring bleed screw is at the top. Bolt on using supplied **7/16" x 2" UNF bolts**, flat washers and spring washers (2 per side).

Repeat procedure for other side

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Kit includes:

2 x Wheel hubs with Studs – VT or HQ/Chev Bolt Pattern ***Note: If using HQ/Chev pattern, the rotors will need to be slotted to go over the studs***

2 x bearing kit with inner and outer bearings, seals & dust covers

2 x Threaded Spacer plates.

2 x Threaded Calliper mounting brackets.

All nuts, bolts and supplied spacers for assembly.

NOTE: MUST USE MINIMUM 15" WHEELS

CAE can also supply Brake Upgrade Kits, New Disc Rotors, Callipers, Hoses & 2" Drop Stub Axles

BOLTS:

2 x 3/8" UNF Hex head bolts 1' long

2 x 7/16" UNF Hex head bolts 1" long

6 x 7/16" UNF Hex head bolt 2" long

4 x 7/16" UNF Hex head bolt 2 3/4" long

6 x 7/16" UNF Nuts

18 x 7/16" Flat washers

14 x 7/16" Spring washers

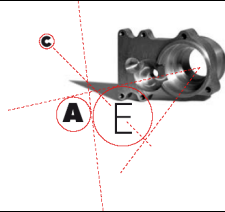
2 x 3/8" Spring washers

2 x 3/8" Flat washers

ALUMINIUM SPACERS:

4 x 20MM O.D x 11.5mm bore at 11mm long

2 x 16MM O.D x 11.5mm bore at 14mm long



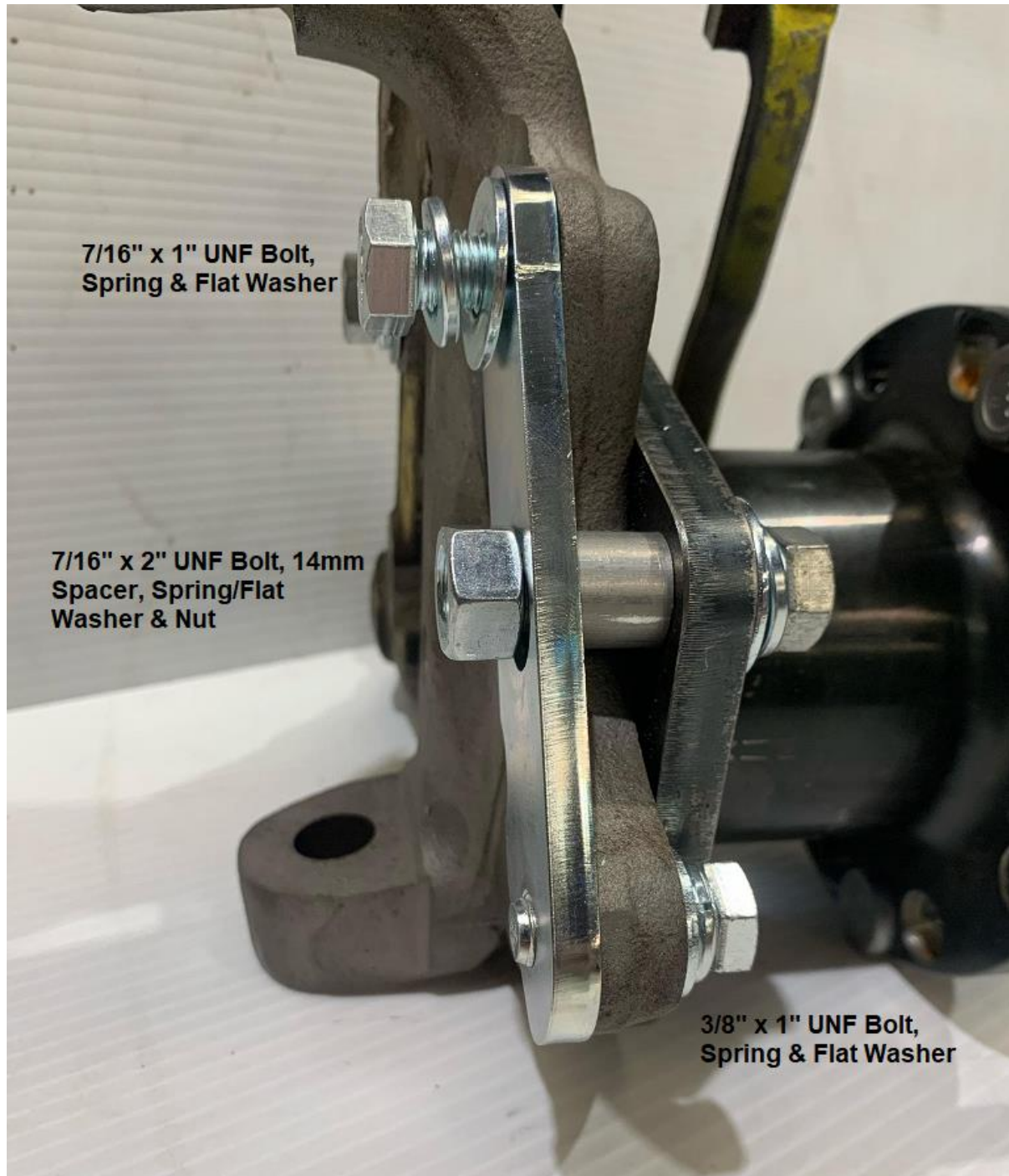
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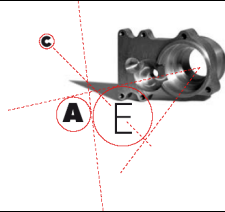
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**7/16" x 1" UNF Bolt,
Spring & Flat Washer**

**7/16" x 2" UNF Bolt, 14mm
Spacer, Spring/Flat
Washer & Nut**

**3/8" x 1" UNF Bolt,
Spring & Flat Washer**



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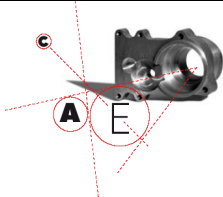
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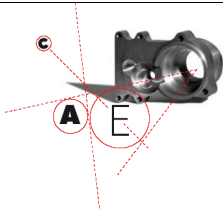
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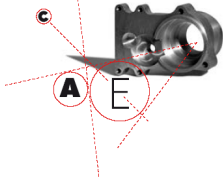
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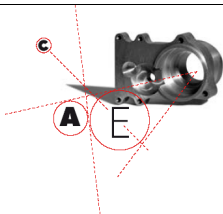
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HQ NON POWER STEERING ARM LHS



HQ POWER STEERING ARM LHS





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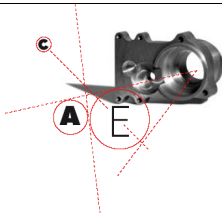
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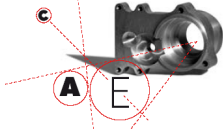
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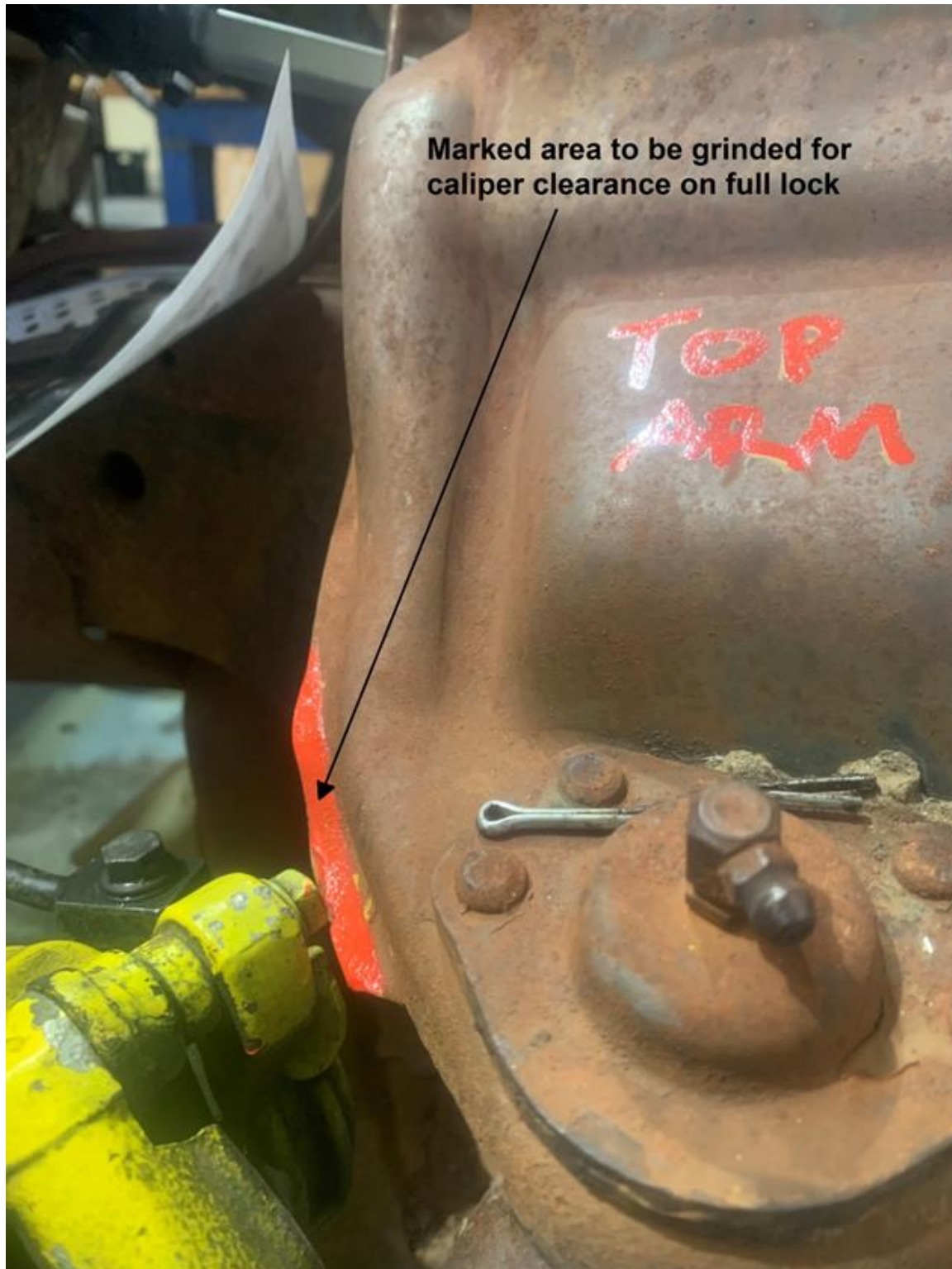
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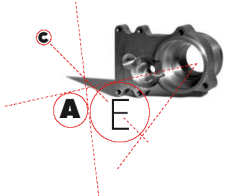
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Note: Due to inconsistencies of Stub Axle castings, clearancing of calliper cradle may be required

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WARRANTY

Manufacturer's Warranty:-

All products 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 product 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 a product 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 or removal of products or freight costs.
- The warranty will only apply to products 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.

RETURN OF GOODS

All part returned will incur a 20% re-stocking fee.

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.

DAMAGE

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

PAYMENT

Payment can be made by credit card, 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).