

Castlemaine ROD SHOP

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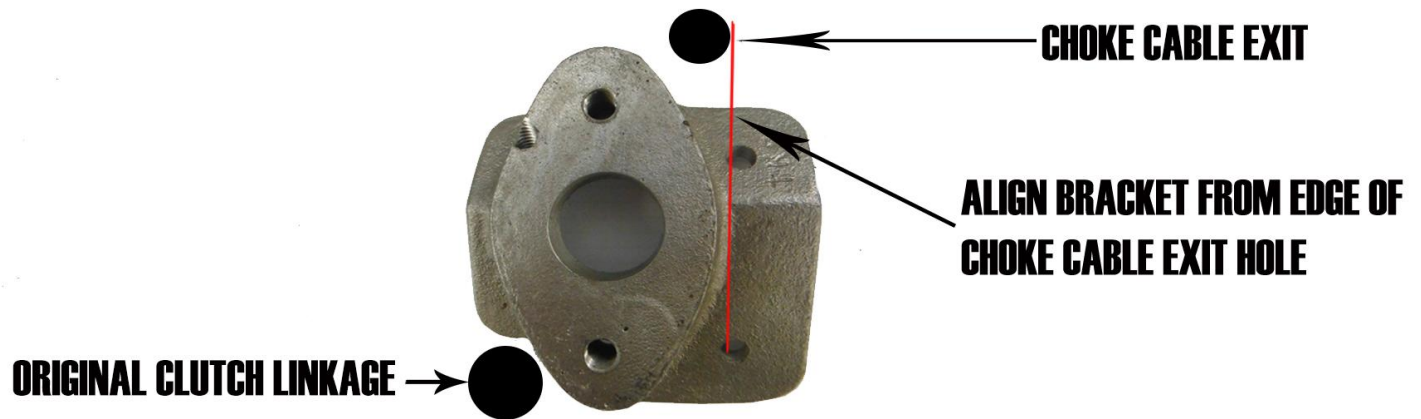
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LC-LJ TORANA HYDRAULIC CONVERSION FITTING INSTRUCTIONS. **6 CYLINDER ONLY**

Kit Contains:

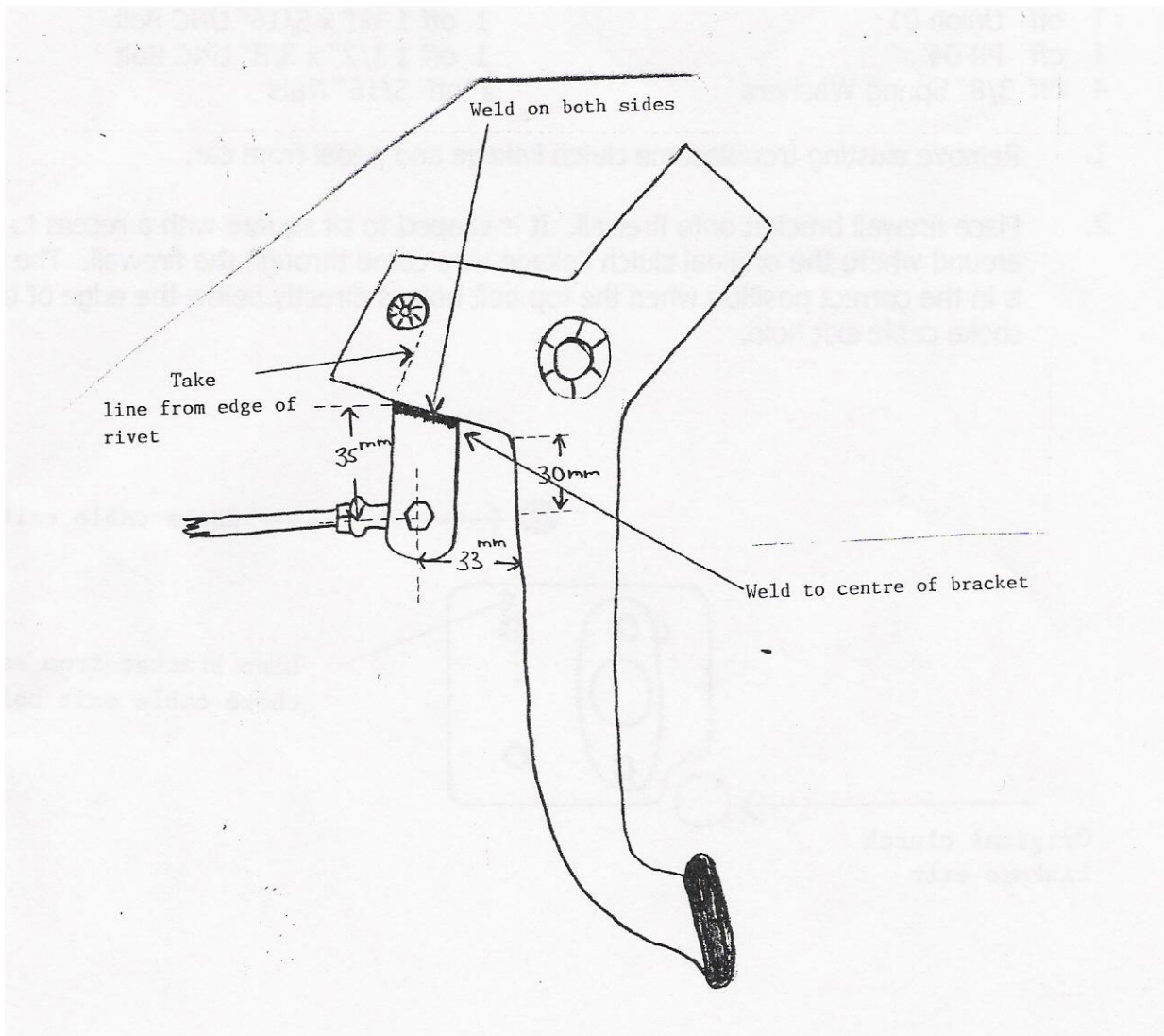
1 off Alloy Mount – CB 01	4 off 1" x 3/8" UNC Bolts
1 off Rose Joint – RJ 01	3 off 1" x 5/16" UNC Bolts
1 off Metal Plate – PR BKT 01	4 off 3/8" Flat Washers
1 off Push Rod – PR 01	7 off 5/16" Spring Washers
1 off FWB 03	7 off 5/16" Flat Washers
1 off Line 01	1 off 3/8" UNC Nyloc Nut
1 off Spring 01	1 off 1 1/2" x 5/16" UNC Bolt
1 off Union 01	1 off 1 1/4" x 5/16" UNC Bolt
1 off PR 04	1 off 1 1/2" x 3/8" UNC Bolt
4 off 3/8" Spring Washers	2 off 5/16" Nuts

1. Remove existing troublesome clutch linkage and pedal from car.
2. Place firewall bracket onto firewall. It is shaped to sit square with a recess to fit around where the original clutch linkage wire came through the firewall. The bracket is in the correct position when the top bolt hole is directly below the edge of the choke cable exit hole.



Mark the three mounting holes and the centre hole for the push rod.

3. Drill the mounting holes through using 3/8th" drill. Centre punch push rod hole and drill to 1/4" then use a 1-1/8th" to 1-1/4" hole saw to make hole.
4. Bolt bracket to firewall and cylinder to bracket
5. Weld push rod bracket as per diagram on following page. Adjust push rod so that the piston is right back in cylinder and adjust pedal stopper as far back as possible. It may be necessary to have a longer push rod than the supplied one, as there appears to be some slight variation in some vehicles. The rod from any Holden from FC-HT can be used. The later HK-HG models with drum brakes eing longer than the earlier models. It may also be necessary to reshape the rod if it doesn't allow full piston travel in master cylinder.



6. Remove dust cover and cut edge away to allow the slave cylinder bracket to bolt on with no interference. Leave just enough material around the two bolt holes to hold it on. Be sure the bracket sits properly and that faces are square, if not, file housing flat. Pack bracket with washers to get correct push rod alignment.

7. Connect lines and bleed. Run a good return spring at the bottom. No springs are to be used on the pedal. If you can't get enough throw for proper operation a smaller bore slave cylinder is available that will bolt to the bracket, as found in an HK V8 Holden. If using a stock GM fork be sure the fork is not cracked across the pivot if clutch doesn't operate properly as they have a habit of doing this. If having trouble bleeding, pull the clutch fork by hand to the fully disengaged position and have someone inside pump the pedal which will, in most cases, pick the pressure on first try.

NOTE: This kit doesn't suit V8 LC-LJ Toranas.

The part numbers of the cylinders to be used in this application are:

Master cylinder	P5491
Slave cylinder (6 cyl.)	P4519

(The V8 cylinder (P5841) is only to be used if insufficient throw is experienced.)