

INSTALLATION GUIDE

PATROL STEERING DAMPER



For 60 years Harrop Engineering has been at the forefront of designing, developing and manufacturing precision performance components. Today our innovative and logical approach is applied to low volume automotive OEMs and the performance aftermarket through a dedicated team of 65 staff. Core performance products include Superchargers, Engine Components, Brakes, Differentials and we are also the exclusive Australian Distributor for Forgeline Motorsport Wheels & Lingenfelter Performance Parts.

Harrop are also the preferred supplier of Eaton Supercharger and Traction Control technology including dual branded product designed and manufactured in-house. There are currently over 4000 components in our portfolio and this is growing daily as we continually develop more Harrop Performance Products.

Our high profile car manufacturing customers include Holden, HSV, FPV, Roush and Lotus.

We also supply to race teams from categories including F1, NASCAR and V8 Supercars and an extensive range of drag, circuit and off-road competitors. Just as importantly, a large portion of our customers are performance enthusiasts and weekend warriors who are highly passionate about their ride.

Please take a moment to review the following pages and learn why Harrop is the first choice in performance products.

Thank you for choosing Harrop and enjoy your Harrop enhanced ride.

-Team HARROP



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ATTENTION: READ BEFORE PROCEEDING



IMPORTANT INFORMATION

Installing the steering damper indicates your acceptance of the liability associated with the fitment and use of this product.

Thank you for purchasing this Harrop steering damper. The owner of the vehicle must be aware that fitment of a Harrop steering damper may affect the vehicle's factory warranty.

This document is meant only as a guide, as any vehicle modification should be completed by a certified technician who has the relevant experience and equipment to be competent of a safe and effective installation.

The following notes will highlight most of the primary steps needed during the installation of a Patrol steering damper. Some images may vary from kit supplied and instructions may be omitted or irrelevant due to variations between vehicle models and applications.

- **Please ensure the safe operation of all tools and equipment are adhered to in accordance with the vehicle and equipment manufacturer's recommendation.**
- **By installing the steering damper you acknowledge that all conditions pertaining to this Kit and its operation have been read, understood and accepted.**

Warranty

This steering damper is covered by a limited warranty on components and workmanship for a period of 12 months from the date of purchase.

Please refer to Harrop Engineering's full warranty terms and conditions and applicable warranty registration forms which can be found at www.harrop.com.au.

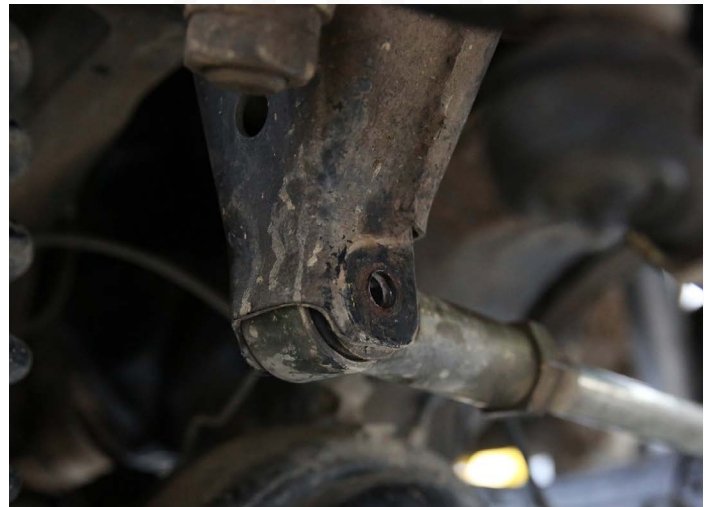
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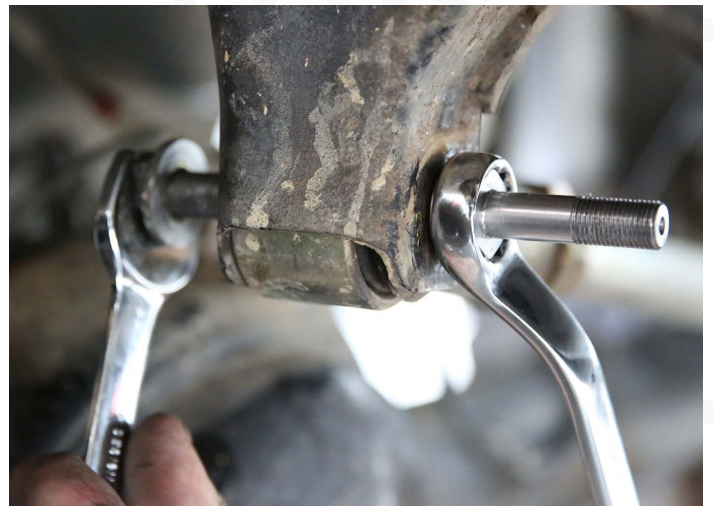


PROCEDURE

1. Measure and check the draglink bar diameter and check to ensure it suits the half collars supplied. Once this is confirmed remove the chassis side pan hard bolt.



2. Install the supplied stud as per image re using the standard nut from original bolt, note stud is to face forward.



3. Loosen the pinch bolt on the Fox damper until the mount is free to rotate.



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4. Fit the supplied damper and ferrules as per image; make sure the Dampening stiffness adjusting screw is facing down. Tighten the nut to 80 Nm.



5. Orient the reservoir upward and loosely mount the other end to the draglink using the supplied collars that were test fitted in step one.



6. Orient stabilizer so that it will clear all suspension components throughout entire range of suspension travel.

With the wheels turned fully to the right and 6mm of shaft still exposed at the head end of the stabiliser, tighten the 4 drag link bar bolts to 16Nm.

Check that the vehicle steers completely in both directions and the stabiliser clears all suspension components.

Place vehicle on the ground and check that the stabiliser clears all suspension and engine components allowing for full suspension travel.

