



Advanced Braking Pty Ltd

Technical Bulletin – TBN-033

Product: LCV1 - SIBS on Toyota Landcruiser 70 series

Subject: Repair kit for master cylinder reservoirs

Change Revision

Issue Revision	Issue Date	Comments
00	23-NOV-07	INITIAL RELEASE



Technical Bulletin – TBN-033

Product: LCV1 – SIBS on Toyota Landcruiser 70 series

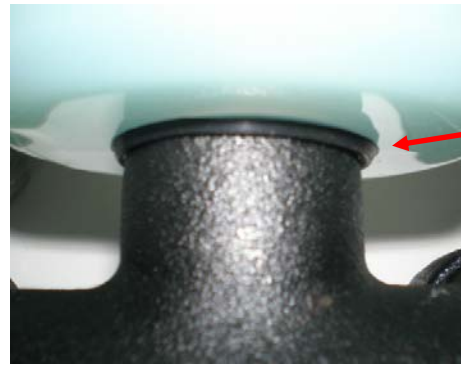
Subject: Repair kit for master cylinder reservoir

Summary:

Some master cylinders supplied with the LCV1 kits have been prone to leakage between the reservoirs and the master cylinder body. Over tightening of the tube nuts locating the reservoirs has led to cracking of the reservoirs.

To resolve this, ABT’s supplier of master cylinders has supplied a retrofit kit. The kit consists of revised tube nuts, aluminium washers and large EPDM rubber washers.

The rubber washer mounts between the reservoirs and the master cylinder body, this ensures a reliable seal and distributes the load over the plastic reservoir to prevent cracking. The new tube nuts and aluminium washers also assist with sealing and load distribution.



A visual inspection of the master cylinder will verify if the revised sealing arrangement is in place. The large EPDM washer should be visible under the reservoir.

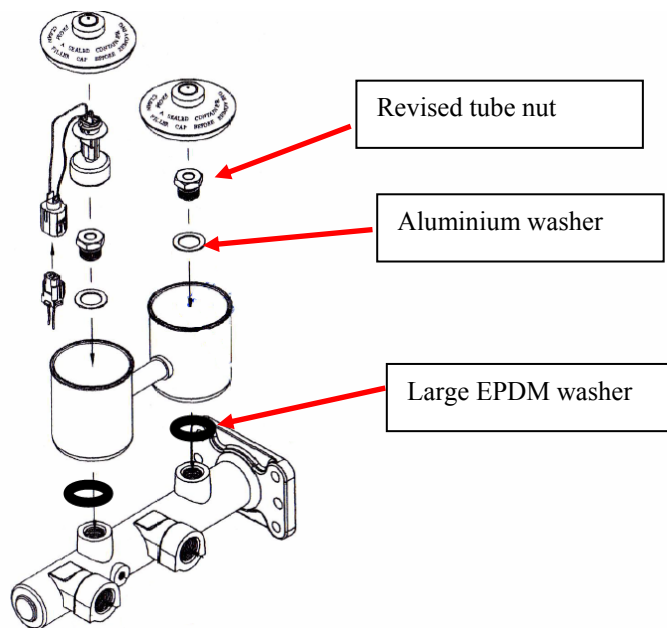
Brake sets affected¹:

P/N	Description	Comment
24-0720	Full set SIBS	Suits Q spec VDJ79R. Master cylinder is 1.125" bore
24-0725	Rear only SIBS	Suits Q spec VDJ79R. Master cylinder is 1" bore
24-0730	Full set SIBS	Suits G spec post 2007 HZJ79. Master cylinder is 1.125" bore
24-0735	Rear only SIBS	Suits G spec post 2007 HZJ79. Master cylinder is 1" bore
24-0100	Full set SIBS	Suits Q spec HZJ79. Master cylinder is 1.125" bore
24-0600	Rear only SIBS	Suits Q spec HZJ79. Master cylinder is 1" bore
24-0800	Full set SIBS	Suits G spec HZJ79 (pre-2007). Master cylinder is 1.125" bore
24-0810	Rear only SIBS	Suits G spec HZJ79 (pre-2007). Master cylinder is 1" bore
24-0500	Full set SIBS (no EMMA)	For Mobile Parts. Suits G spec HZJ79
24-0800	Rear only SIBS (no EMMA)	For Mobile Parts. Suits G spec HZJ79

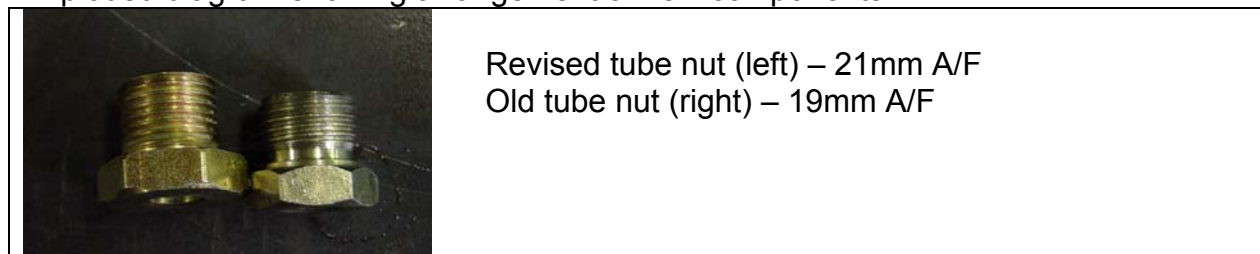
¹ For more information on the above kits, refer to **Landcruiser SIBS Specification Sheet** available on the web page. www.advancedbraking.com Click on *Product Data Files*. Username: SIBS; Password: resellers . Specification sheets are under Ordering & Fitment

15-0100	Full set SIBS (75 series)	Suits Q spec HZJ75. Master cylinder is 1.125" bore
15-0600	Rear only SIBS (75 series)	Suits Q spec HZJ75. Master cylinder is 1" bore
24-0700	Full set SIBS (75 series)	Suits G spec HZJ75. Master cylinder is 1.125" bore
24-710	Rear only SIBS (75 series)	Suits G spec HZJ75. Master cylinder is 1" bore

Description:



Exploded diagram showing arrangement of new components.



Fitment instructions:

1. Drain brake fluid from master cylinder.
2. Remove reservoir lids
3. Remove 2 x tube nuts using socket and short extension bar
4. Remove existing washers.
5. Re-install reservoir using EPDM washer, aluminium washer and revised tube nut in the order shown above.
6. Tighten – until the rubber washer can be felt compressing.
7. Re-fill master cylinder & bleed the system
8. Check for leaks.

Prepared by: **Andrew Miller**
 Approved by: **Andrew Miller** (Engineering Manager)
 Issue Date: **23-Nov-07**
 Issue Revision: **00**

ADVANCED BRAKING PTY LTD

**Advanced Braking Pty Ltd.
Unit 1, 3 McDonald Street West
Osborne Park WA 6017
AUSTRALIA
PO Box 1177
Osborne Park WA 6916**

**Tel: +61(08) 9273 4800
Fax: +61 (08) 9201 9986
Email: info.perth@advancedbraking.com
Web: www.advancedbraking.com**