



Advanced Braking Pty Ltd

Technical Bulletin – TBN-038

Product: LCV1

(SIBS on Toyota Landcruisers)

Subject:

- 1. Master cylinder change on rear only SIBS fitted to Toyota Landcruisers.**
- 2. Fitment of rear brake pipes**
- 3. Recommended brake fluid (DOT 3)**

Change Revision

Issue Revision	Issue Date	Comments
REV-00	16-JULY-2008	INITIAL RELEASE

Technical Bulletin – TBN-038

Product: LCV1

Subject:

- 1. Master cylinder change on rear only SIBS fitted to Toyota Landcruisers.**
- 2. Fitment of rear brake pipes**
- 3. Recommended brake fluid (DOT 3)**

Detail:

1. Master cylinder change on rear only SIBS fitted to Toyota Landcruisers

Brake sets affected:

ABT P/N	DESCRIPTION	COMMENT
24-0600	LCV1 REAR ONLY DISC	Suits Q spec HZJ 78/79 series Landcruisers with six cylinder engine. Example of model number: HZJ79R-TJMRSQ3
24-0725	LCV1 REAR ONLY DISC	Suits Q Spec VDJ 76/78/79 series Landcruisers with V8 engine. Example of model number: VDJ79R-TJMRSQ3
24-0735	LCV1 REAR ONLY DRUM	Suits G Spec new model HZJ 76/78/79 Landcruisers, build date Post 2007.
24-0800	LCV1 REAR ONLY DRUM – MP	Customer specific brake build.
24-0810	LCV1 REAR ONLY DRUM	Suits G spec HZJ 78/79 series Landcruisers. Example of model number: HZJ79R-*

Effective from 1-July-2008.

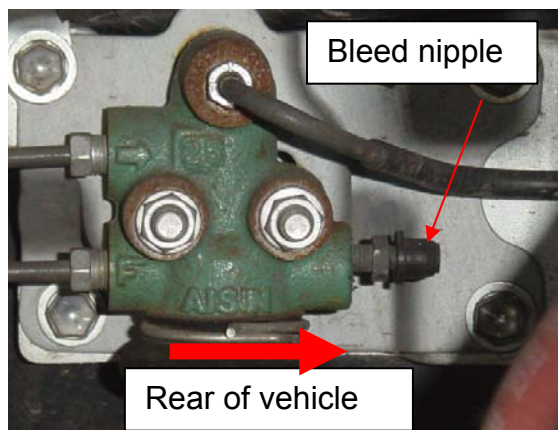
SIBS kits for rear only 70 series Landcruisers will no longer be supplied with a replacement master cylinder. The Toyota master cylinder should remain on the vehicle and be used to actuate the brakes.



Standard Toyota master cylinder in 70 series Landcruiser. Bore: 15/16”.



Previously supplied 1” bore master cylinder with SIBS rear only kits.



LPSV on 70 series Landcruiser

After fitting the brakes, ensure they are properly bled. Be sure to bleed the Load Sensing Proportioning Valve (LPSV - mounted on the right hand chassis rail) at the bleed nipple provided – image left.

Leave the pressure settings of the LPSV as per the Toyota manual.

Allow three days (or 300km) for the brakes to bed in on a new fitment.

This change has been made following testing of the system with both the Toyota 15/16” master cylinder and the ABT supplied 1” master cylinder. The 15/16” master cylinder can be purchased from ABT using the following P/N and pricing:

ABT P/N	DESCRIPTION	COMMENT	PRICE
24-9008	Master cylinder 15/16”	Genuine Toyota master cylinder to suit VDJ and HZJ 70 series Landcruisers	\$510+GST

Full set SIBS on 70 series Landcruisers will continue to be supplied with replacement double boosters and 1 1/8” master cylinders.

2. Fitment of rear brake pipes

Brake sets affected:

ABT P/N	DESCRIPTION	COMMENT
24-0100	LCV1 FULL SET DISC	Suits Q spec HZJ 78/79 series Landcruisers with six cylinder engine. Example of model number: HZJ79R-TJMRSQ3
24-0400	LCV1 FULL SET DISC – TLC100	Suits Q spec HZJ105 series Landcruisers.
24-0410	LCV1 REAR ONLY DISC – TLC100	Suits Q spec HZJ105 series Landcruisers.
24-0500	LCV1 FULL SET DRUM – MP	Customer specific brake build.
24-0510	LCV1 FULL SET DRUM	Suits G spec HZJ 78/79 series Landcruisers. Example of model number: HZJ79R-*
24-0600	LCV1 REAR ONLY DISC	Suits Q spec HZJ 78/79 series Landcruisers with six cylinder engine. Example of model number: HZJ79R-TJMRSQ3
24-0720	LCV1 FULL SET DISC	Suits Q Spec VDJ 76/78/79 series Landcruisers with V8 engine. Example of model number: VDJ79R-TJMRSQ3
24-0725	LCV1 REAR ONLY DISC	Suits Q Spec VDJ 76/78/79 series Landcruisers with V8 engine. Example of model number: VDJ79R-TJMRSQ3
24-0730	LCV1 FULL SET DRUM	Suits G Spec new model HZJ 76/78/79 Landcruisers, build date Post 2007.
24-0735	LCV1 REAR ONLY DRUM	Suits G Spec new model HZJ 76/78/79 Landcruisers, build date Post 2007.

ABT P/N	DESCRIPTION	COMMENT
24-0800	LCV1 REAR ONLY DRUM – MP	Customer specific brake build.
24-0810	LCV1 REAR ONLY DRUM	Suits G spec HZJ 78/79 series Landcruisers. Example of model number: HZJ79R-*

Effective from 1-July-2008

When installing the rear brake pipes, to use the Toyota P-clamps wrap heat shrink around the supplied brake pipe in the vicinity of the pipe clamp. This is required to increase the OD of the supplied brake pipes and ensure the P-clamp will grip the pipe correctly.

Note: the brake pipes supplied with SIBS kits all manufactured from stainless steel components, whilst the Toyota pipes are steel with a rubber sheath.

There is one brake pipe supplied with the SIBS kits



Toyota brake pipe clamp around SIBS stainless rear RH brake pipe.
Note use of heat shrink to allow pipe to be gripped by the clamp.

Note: the red breather hose follows the same path as the brake pipe to prevent impact damage from the bump stop.

Locate this pipe with a p-clamp provided in the kit and locate using the same captive nut as the OE brake pipe clamp.

Rear RH brake pipe on 70 series Landcruiser, viewed from the rear.

3. Brake fluid

- Brake sets affected: all SIBS brakes.
- Effective from 1-July-2008

Use only DOT 3 brake fluid with all SIBS kits. This is based on Toyota’s recommendations.

Note: **do not use brake fluid rated as “DOT 3 / DOT 4”**. Failure to do so may invalidate the warranty.

For more information, please contact either:

Jeff Dodsworth (Service Manager)
Ph + 61 (0) 8 9273 4827
Jeff.dodsworth@advancedbraking.com

Andrew Miller (Chief Engineer)
Ph: + 61 (0) 8 9273 4808
andrew.miller@advancedbraking.com

Prepared by: **AM**
Approved by: **AM (Chief Engineer)**
Issue Date: **16-July-2008**
Issue Revision: **00**

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