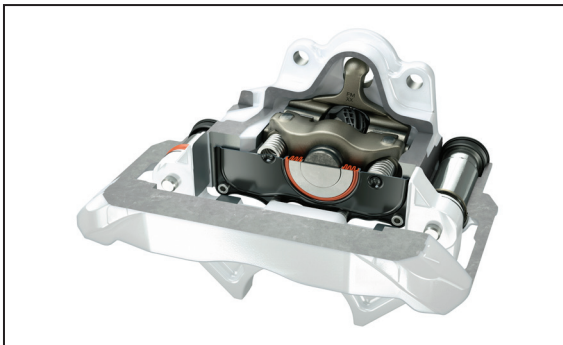


Introducing the BPW TS2 Disc Brake System

BPW Transpec is proud to announce the introduction of the new **BPW TS2** disc brake system from the **01/10/2020**.

Product Advantages

Building on the current TSB Disc brake system the TS2 system offers several unique features to take the disc brake system into the future.



- Long service life thanks to the latest single-tappet technology and cathaphoretic dip-coating with zinc phosphating.
- Maximum operating costs thanks to Offset Tappet Design (OTD)*
- Maximum reliability ensured by Multifunctional Adjuster (MFA)*
- Easier brake setting. Using only a 13mm spanner turn the rear mounted adjustment screw back a quarter turn (90°) and then apply the brakes ten times.
- A useful weight saving of up to 2kg per axle reduces unsprung weight with the attendant benefits.**

New Axle Description

The model description remains the same for TSB & TS2, it's only when you go into the full axle part number that we distinguish between TSB & TS2.

For example, 20", SHZA10110**G**01STN (**G** = TSB) becomes SHZA10110**I**01STN (**I** = TS2)

For example, 19.5", SKHZA10108**H**01STN (**H** = TSB) becomes SKHZA10108**J**01STN (**J** = TS2)

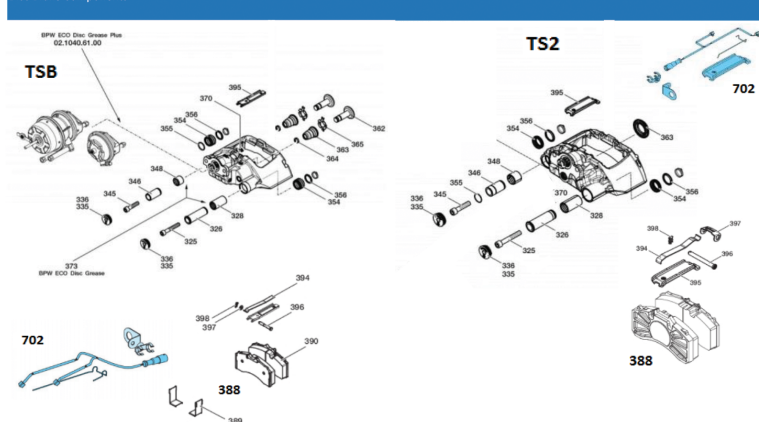
Spare Parts Information

The Caliper repair kit numbers that's are listed on the attached will be:

0936272230TS2 TS2 4309
0936272220TS2 TS2 4309

0936272200TS2 TS2 3709
0936272210TS2 TS2 3709

BPW TSB & TS2 3709 / TS2 4309 Component Chart
Disc Brake Components



* Patent Pending

BRAKE COMPONENTS						
Item	Description	Dimensions/Remark	TSB 3709	TSB 4309	TS2 3709	TS2 4309
Part no.						
300	Replacement Caliper	Left hand	0936272131TS	0936272110TS	0936272200TS2	0936272201TS2
		Right hand	0936272141TS	0936272120TS	0936272210TS2	0936272211TS2
	Repair kit guide pins and seals	Incl. item 325-328, 335, 336, 345-348, 354, 356, 370, 373	09.801.07.61.1		09.801.08.69.0	
325	Main guide pin screw	M16 x 1.5 x 103 - 10.9	03.340.12.32.0			
345	Loose guide pin screw	M16 x 1.5 x 73 - 10.9	03.340.12.31.0			
363	Repair kit tappet and Seal	Incl. 362-365	09.801.07.63.1		05.130.08.32.0	
388	Repair kit brake pads	Incl. item 370, 389, 394, 396-398	09.801.07.94.0	09.801.07.96.0	09.801.08.72.0	09.801.08.73.0
393	Repair kit brake pad retainer	Incl. item 394 - 398	09.801.07.68.1		09.801.08.70.0	
702	Wear sensor set		05.801.49.50.0		05.801.48.92.0	

* Guide pin screw are for single use only and must be replaced once removed.

ROTORS			
Brake	Part Number	Description	Qty per axle
TSB/TS2 3709	03.088.34.15.0	8 Stud 275mm PCD	2
TSB/TS2 3709	03.088.34.16.0	8 Stud 275mm PCD for ABS	2
TSB/TS2 4309	03.088.35.14.0	10 Stud 285mm PCD	2
TSB/TS2 4309	03.088.35.12.0	10 Stud 335 PCD	2

** Disc Brake Pads:

** Are not available individually and can only be supplied in a kit which repairs one axle.

** The part number for individual pads is stamped on the brake pad backing plate.

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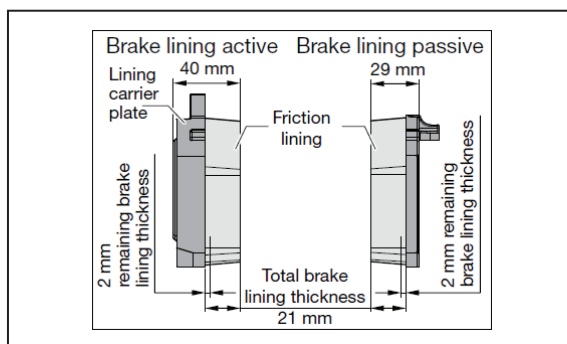
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bpwtranspec.com.au

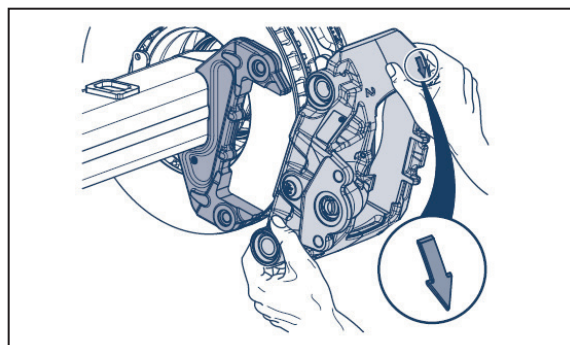
Introducing the BPW TS2 Disc Brake System

Technical Differences between TSB and TS2



- The inner brake pad (active lining) and the outer brake pad (passive lining) are now different. The inner pad has a thicker steel backing and must always be fitted in the inner position.
- Please visit our new website - www.bpwtranspec.com.au/products/bpw-axes - to view a video on the new TS2 disc brake system.
- The old style TSB parts including axle beams will still be available for VOR situations.
- Please note that you may not fit a mixture of TSB and TS2 disc brake axles on a single trailer as the new TS2 Caliper has a different **SARN** number to the older TSB style. For the same reason you also cannot fit new TS2 calipers to TSB axle beams.

Installation Tips and SARN Numbers



- The use of the Offset Tappet Design means that the calipers are now directional. The arrow cast into the caliper shows the direction that the disc must turn when the vehicle is moving forwards.
- The new TS2 disc brake system is registered under new SARN numbers:
The brake size for 8 stud 275 PCD 19.5" wheel combinations is model TS2 3709 SARN **50229** which replaces TSB3709 SARN 25677.
The brake size for 10 stud 285 and 335 22.5" wheel combinations is model TS2 4309 SARN **50230** which replaces TSB 4309 SARN 31666.
- Always tighten the mounting bolt in the fixed bearing (longer mounting bolt - 1 in the picture) first and then the floating bearing (shorter mounting bolt - 2 in the picture) second. **150Nm + 180° rotation angle** - or otherwise 260Nm

Tool Kits

To service / repair the TS2 caliper you will require a supplemental kit to the existing TSB Tool Kit. The supplemental kit part number is - **09.801.08.82.0**

New / Updated Documents

With the launch of the new TS2 disc brake system **BPW Transpec** has also updated its relevant documents.

All the repair / service details are included in the new version of our **Operator's Manual** - dated 10/2020 and spare parts details are also included in the new **Spare Parts Catalogue** - both of which are available for download on our website - www.bpwtranspec.com.au or contact your local **BPW Transpec** representative.

** Model and specification dependent - Please your local BPW Transpec representative for more details

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