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DON'T STOP WITHOUT US

PBR QUICK REFERENCE GUIDE

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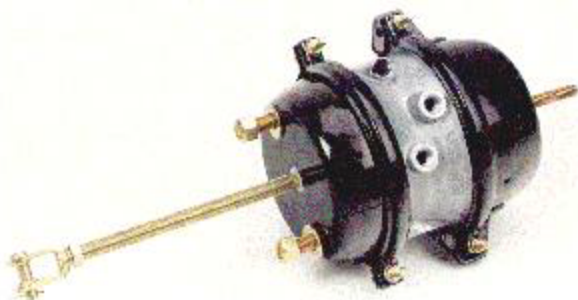


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BRAKE CHAMBERS

Spring Brakes & Diaphragms



Part Number	Port Thread	Chamber Size			
		Service		Emergency	
		Type	Diaphragm No.	Type	Diaphragm No.
12-12SB	1/4" NPT	12	234226	12	234226
CA1216S	1/4" NPT	12	234226	16	234189
20-24SB	3/8" NPT	20	234099	24	CA24-1
24-24SB	3/8" NPT	24	CA24-1	24	CA24-1
24-30SB	3/8" NPT	24	CA24-1	30	CA30-3
30-30SB	3/8" NPT	30	CA30-3	30	CA30-3
36-36SB	3/8" NPT	36	234362	36	234362

All come complete with yoke & 2" clevis pin

Service Chambers & Diaphragms



Part Number	Port Thread	Chamber Size	
		Type	Diaphragm No.
NLA	N/A	9	234433A
12SC	1/4" NP T	12	234226
16SC	1/4" NP T	16	234189
CA2620	3/8" NP T	20	234099
259733A	3/8" NP T	24	CA24-1
CA30K	3/8" NP T	30	CA30-3
229300B	3/8" NP T	36	234362

All come complete with yoke & 2" clevis pin

Yoke & Clevis Assemblies

Part Number	Pin Size	Style
11M018-5F	1/2"	Forged
11M018-625	5/8"	Forged



SPRING BRAKE VALVE

CA48 P.A.R.C Valve



▲ *Anti-Compound Valve: CA7302*

● *Inlet Check Valve: CA7298*

To meet parking and emergency braking requirements of ADR38, trailers are being fitted with spring brakes. For controlling the application and release of the spring brake, PBR has the CA48 P.A.R.C. (Park and Air Reservoir Control) VALVE to be used in conjunction with the CA47 'six port' RELAY VALVE.

Designed with four delivery ports for spring brakes, this valve's functions are:

- The main air supply to the reservoir is fed through a check valve in the CA48
- Allows the controlled release of spring brakes
- Caters for supply line failure or parking
- Protects against a failure in the service system ie. it will eliminate the uncontrolled application of the emergency brakes

Port Sizes:

3/8" NPT (Delivery)

1/4" NPT (Anti-Compound & Supply)

3/4" NPT (Tank)

Repair Kit: Minor CA48-1

RELAY VALVES

CA47 Relay Valve



Six port relay valve designed and built with the capacity to deliver air to the six trailer power chambers (on a tri-axle system) virtually instantaneously and in balance with the prime mover system as soon as the foot valve is depressed. This assists in more even and improved brake lining life and has an exhaust dust seal designed and tested for extreme dust conditions.

Port Sizes:

3/8" NPT (Del/Aux Tank & P.A.R.C.)

1/4" NPT (Service)

3/4" NPT (Tank)

Repair Kit: CA47-1

266047 Relay Valve (R6 Type)



This relay valve is designed to apply and release the air brakes on a trailer during the service brake application.

Port Sizes:

3/8" NPT (Delivery)

1/4" NPT (Control)

1/2" NPT (Supply)

Repair Kit No: 263945

281672F Relay Emergency Valve (RE6 Type)



The 281672F has other abilities such as spring-loaded emergency trailer brake application when the supply line air pressure drops to a pre-set level. This valve is designed to operate in dusty conditions, eliminating road side servicing. Robust, direct tank mounting beats vibration due to rough road conditions.

Port Sizes:

3/8" NPT (Delivery)

1/4" NPT (Supply & Control)

3/4" NPT (Tank)

Repair Kit No. 282812

GOVERNOR VALVE

275200 Governor Valve (D2 Type)



The governor valve is designed to regulate the pressure in the brake systems of the vehicle fitted with compressors which unload by a pilot control from a governor.

The 275200 has been present so it will open @ 125 ± 5 psi and close @ 105 ± 5 psi.

Optional settings can be set by turning the governor adjustment stem under the cover.

SWITCHES

T680 Stop Light Switch (SL4 Type)

This stop light switch is designed to provide an electrical signal when air brake pressure is applied.

- Normally open
- Min. contact pressure: 5 psi
- Max. operating pressure: 10 150 psi
- Thread size $\frac{1}{4}$ " NPT



T650 Low Pressure Switch



This low pressure switch is designed to provide an electrical signal when air pressure drops below the required level.

- Normally closed
- Low pressure setting 60 ± 6 psi
- Max. operating pressure: to 150 psi
- Thread size: $\frac{1}{4}$ " NPT



SLACK ADJUSTERS

Manual Slack Adjusters



Part No	Spline Size	Lever Lengths
MS5020	10 x 1-1/2"	7", 6", & 5"
MS5023	10 x 1-1/2"	6-1/2" & 5-1/2"
MS5025	28 x 1-1/2"	7", 6", & 5"
MS5024	28 x 1-1/2"	6-1/2" & 5-1/2"
MS5021	37 x 1-5/8"	6"

Automatic Slack Adjusters



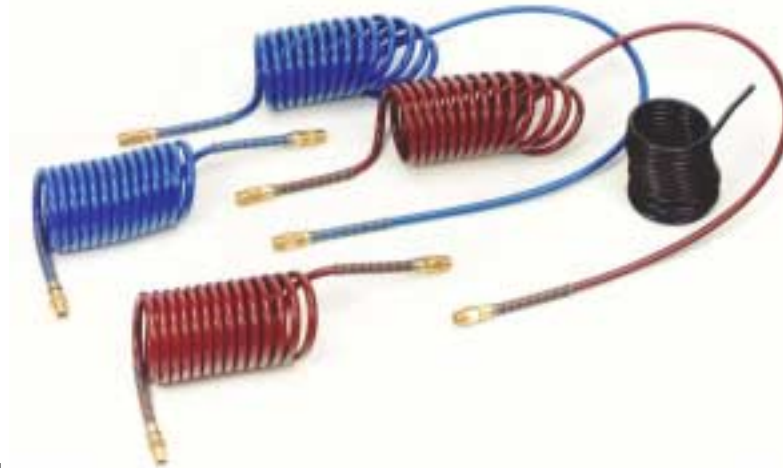
Part No.#	Part No.*	Spline Size	Lever Length's
AS1000	AS1050	10 x 1-1/2"	6" (152mm)
AS1001	AS1055	28 x 1-1/2"	6" (152mm)
AS1002	AS1056	37 x 1-9/16"	6" (152mm)
AS1014	AS1048	10 x 1-1/2"	5" (127mm)
AS1016	AS1053	28 x 1-1/2"	5" (127mm)
AS1019	AS1049	10 x 1-1/2"	5-1/2" (140mm)
AS1020	AS1054	28 x 1-1/2"	5-1/2" (140mm)
AS1005	N/A	10 x 1-1/4"	5-1/2" (140mm)
AS1007	N/A	28 x 1-1/4"	5-1/2" (140mm)

Note. # = Supplied without clevis.
Note. * = Supplied with "Collar Lock" type clevis.

Clevis & Service Kits

Clevis Kits			Service Kits	
Part No.	Style	Thread Size	Part No.	Description
AS3000	Straight	5/8" - 18 UNF	AS4001	Link boot & arm bushing kit
AS3001	Straight	1/2" - 20 UNF	AS4003	Arm bushing kit
AS3016	Straight "Collar Lock"	5/8" - 18 UNF	AS4004	Clevis pin kit
AS3018	Extended "Collar Lock"	5/8" - 18 UNF	-	-

SUZI COILS



Air Suzi Coils

Part No	Type	Tube Size	Working Length	No. of Coils	Coil Size	Qty & Colour
CA2560	Standard	1/2"	3 metres	14 ± 1	100 mm	1 x Red, 1x Blue
CA2561	Long Tail	1/2"	4 metres	14 ± 1	100 mm	1 x Red, 1x Blue
CA2565	Baby	1/2"	2 metres	9 ± 1	100 mm	1 x Red, 1x Blue
CA2563	Extra Long	3/8"	7 metres	22 ± 1.5	100 mm	1 x Black

Note CA2563 is unfitted: all other air suzi coils come fitted with 1/2" NPT male fittings

Electrical Suzi Coils

Part No	Type	Rating	Wire Qty & Size	Working Length	No. of Coils
T344	Light Duty Std	10 Amps	7 Core x 3mm	3 metres	14 ± 1
T520	Light Duty Long Tail	10 Amps	7 Core x 3mm	4 metres	14 ± 1
T518	Heavy Duty Std	15 Amps	7 Core x 4mm	3 metres	14 ± 1
T521	Heavy Duty Long Tail	15 Amps	7 Core x 4mm	4 metres	14 ± 1

Note all electrical suzi coils come unfitted and have 100mm Dia. Coil.



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12SC	Service Chamber	1	AS3001	Clevis Kit	5
16SC	Service Chamber	1	AS3016	Clevis Kit	5
20-24SB	Spring Brake	1	AS3018	Clevis Kit	5
229300B	Service Chamber	1	AS4001	Link & Arm Bush Kit	5
234099	Diaphragm	1	AS4003	Arm Bush Kit	5
234189	Diaphragm	1	AS4004	Clevis Pin Kit	5
234226	Diaphragm	1	CA1216S	Spring Brake	1
234362	Diaphragm	1	CA24-1	Diaphragm	1
234433A	Diaphragm	1	CA2560	Air Suzi Coil	6
24-24SB	Spring Brake	1	CA2561	Air Suzi Coil	6
24-30SB	Spring Brake	1	CA2563	Air Suzi Coil	6
259733A	Service Chamber	1	CA2565	Air Suzi Coil	6
263945	Repair Kit	3	CA2620	Service Chamber	1
266047	Relay Valve	3	CA30-3	Diaphragm	1
275200	Governor Valve	4	CA30K	Service Chamber	1
281672F	Relay Emergency Valve	3	CA47	Relay Valve	2
282812	Repair Kit	3	CA47-1	Repair Kit	2
30-30SB	Spring Brake	1	CA48	P.A.R.C. Valve	2
36-36SB	Spring Brake	1	CA48-1	Repair Kit	2
AS1000	Automatic Slack Adjuster	5	CA7298	Inlet Check Valve	2
AS1001	Automatic Slack Adjuster	5	CA7302	Anti-Comp Valve	2
AS1002	Automatic Slack Adjuster	5	MS5020	Manual Slack Adjuster	5
AS1005	Automatic Slack Adjuster	5	MS5021	Manual Slack Adjuster	5
AS1007	Automatic Slack Adjuster	5	MS5023	Manual Slack Adjuster	5
AS1014	Automatic Slack Adjuster	5	MS5024	Manual Slack Adjuster	5
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