420/40
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Autometers Alliance Ltd
C-63, Sector-57, Noida-201 307, India
Ph.: +91 (0) 120 6770100 Web Site : www.autometers.com

Ref No.: PM:VCB:OHKit:BJN:03 **Dated:** 20.02.2026

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The Chief Electrical Engineer/ Design
Chittaranjan Locomotive Works
Chittaranjan, Distt. Burdwan
West Bengal-713331

Kind Attn. Mr. Amit Aggarwal, Dy.CEE/D-III

Subject: Submission of AOH/IOH/POH kit for Autometers Alliance Ltd. make VCB fitted with M/s CKD make PRV.

Reference: 1. CLW Letter No. ELDD/3229/Part dated 05.02.2026
2. Oue Letter No.PM:VCB:SPEC:BJN:02 dated 08.01.2026
3. Our Letter No. PM: VCB: SPEC: BJN: 01 dated 01.12.2025
4. CLW Letter No. ELDD/3229/Part dated 08.09.2025

Dear Sir,

With reference to CLW letter referred at S.No.1 above regarding incorporating the changes based on the comments received from Zonal Railways, we have once again checked all the kits in detail and wish to submit as follows:

1. As requested in our letter referred at S.No.3 above, regarding the use of CKD Model W2000-10G-W-FLA98253 Pressure Regulator in place of CKD Model W2000-10-M1, we have once again made a detailed study on the same and it is seen that when the CKD Model W2000-10-M1 is fitted in the VCB, the exhaust knob is projected outside the protection cover of the VCB whereas, the CKD Model W2000-10G-W-FLA98253 when fitted is well inside the protection cover of the VCB. It may be noted that there are chances of damage to the Pressure regulator if it is protruding out of the protection cover of the VCB. Photograph of VCB's with fitted with both the CKD models is attached alongwith for your kind reference (Annexure A). Also, please find attached the letter dated 19.08.2025 from the authorized distributors of CKD India Ltd., that the working of both the models is the same and the only difference is in the threading. Copy of the letter is also attached alongwith at Annexure B. In view of the above, we have modified the Overhauling kits accordingly.
2. Further, we have made a separate TOH kit for VCB's which have M/s. Bachofen or M/s Festo Pressure Regulator in them to be replaced with CKD pressure Regulator during TOH. (Kit Part No. 4300007100/61K, which is attached alongwith.
3. As we are using Vacuum Switch Tube (VST) from 2 makes – M/s Vitzro & M/s Wuhan in the VCB depending on their availability, there would be a change in S.No. 18 & 21 of the IOH kit depending on the VST used in the VCB. The VCB's with VST of M/s Vitzro make is identified as VCBA & VCB's with VST of M/s Wuhan is identified as VCBN. So, the Procurement has to be done accordingly for respective VCB's. The details are mentioned in the IOH Kit at Annexure II.
4. As the Auxiliary Switch connections are different in Rev. I and Rev. J of the specification, the Part No. at S.No. 32.1 of the IOH kit at Annexure II will be different depending on the Rev. of the VCB.
5. In the POH kit, for VCB with M/s Wuhan VST, the Part No. of the Operating Cam is different. The same is mentioned in the Note at Annexure III.

From the above, it may be noted that the changes in the Kits have been made considering that there is no problem while carrying out the overhauling in the respective VCB's. In view of the above, please find attached the modified kits as follows:

S.No.	Description	Kit Part No.	Annexure
1.	Term Overhauling (TOH) Kit for AAL make Single Bottle VCB Type VCBA25.10Tr with CKD make PRV	TOH Kit No.4300007100/61J	Annexure I
2.	Term Overhauling (TOH) Kit for AAL make Single Bottle VCB Type VCBA25.10Tr with M/s. Bachofen or M/s Festo make PRV to CKD PRV	TOH Kit No. 4300007100/61K	Annexure IA
3.	Intermediate Overhauling (IOH) Kit for AAL make Single Bottle VCB Type VCBA25.10Tr with CKD make PRV	IOH Kit No. 4300007100/62JV	Annexure II
4.	Periodic Overhauling (POH) Kit for AAL make Single Bottle VCB Type VCBA25.10Tr with CKD make PRV	POH Kit No.4300007100/63JV	Annexure III

The details of the above referred kits (Annexure I, IA, II & III) are attached alongwith for your kind review and approval please.

In case any information/clarification is required, please feel free to contact us. Thanking and assuring you of our best services always. We remain,

Yours Truly,

For Autometers Alliance Ltd

(Authorized Signatories)
Biju John
DGM (Marketing-Railways)

Encls.: As above

Annexure A

AAL VCB with PRV CKD Model – W2000-10-M1

Exhaust knob projected outside the protection cover





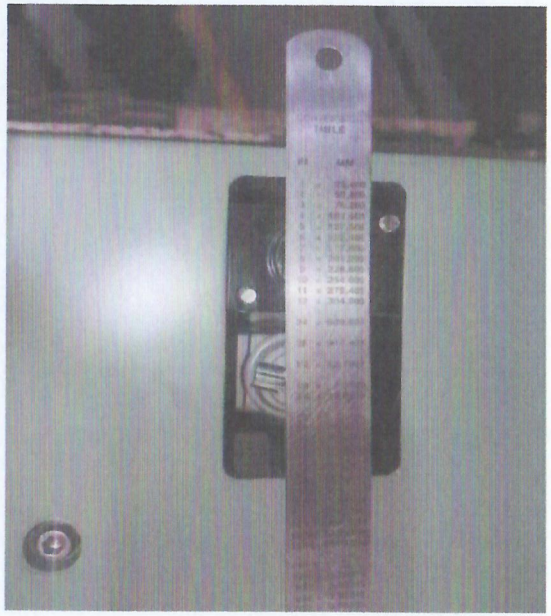


AAL VCB with PRV CKD Model – W2000-10G-W-FLA98253

Exhaust knob NOT projected outside the protection cover







ANNEXURE I

Term Overhauling (TOH) Kit for Single Bottle VCB of M/s AAL Type VCBA25.10Tr mfd from 2025 onward with CKD Pressure Regulator. Kit Part No. 4300007100/61J				
S.No.	**Description**	**Part No.**	**Unit**	**Qty. / VCB**
1	Pressure Regulator Kit 'CKD'	4300007100/79J	Set	01
1.1	Pressure Regulator CKD W2000-10G-W-FLA98253	4300074400	Nos.	01
1.2	Sealing Ring	4300067200/02	Nos	3
1.3	Elastic Washer M6	9AVA330-11	Nos	2
2	Ring Type Joint	HSBA432577P0001	Nos	01
3	Kit for side cover LHS & RHS	4300007100/73	Set	01
3.1	Sealing Gasket LHS	4306057477/01	Nos	01
3.2	Anti Breaking Screw	SG300120P0001	Nos	08
3.3	Elastic Washer M6	9AVA330-11	Nos	08
3.4	Sealing Gasket RHS	4306057477/02	Nos	01
Note: - Lubricant and consumables required during overhauling may be procured on need base separately.				

ANNEXURE IA

Term Overhauling (TOH) Kit for Single Bottle VCB of M/s AAL Type VCBA25.10Tr . with M/s Bachofen or M/s Festo make pressure regulator to CKD Pressure Regulator. Kit Part No. 4300007100/61K.

S.No.	Description	Part No.	Unit	Qty. / VCB
1	Kit CKD PRV with Accessries	4300007100/77K	Set	1
1.1	Pressure Regulator CKD W2000-10G-W-FLA98253	4300074400	Nos	1
1.2	Connecting Block	4302253155/03	Nos	1
1.3	Sealing Ring	4300067200/02	Nos	3
1.4	Special Connection	HSBA432714P0001	Nos	1
1.5	Nipple for connecting pipe	4301158877	Nos	1
1.6	O-Ring 17.86*2.62	4306057577/06	Nos	2
1.7	Sealing Ring 21.5X28.5X2.3	4300067200/03	Nos	1
1.8	Allen Hd.M6x40 Screw	NB315840P0159	Nos	2
1.9	WSR ELS 6.1X12.2X1.2 SS A4	9AVA330-11	Nos	6
1.1	ST Steel pipe ID8 x OD10 P	4301158777/01	Nos	1
1.11	Male Stud Coupling G3/8	4301210200	Nos	1
1.12	Coupling (Machined)	4301257977/01	Nos	1
1.13	Connector	4301219433	Nos	1
1.14	SCR Hx Skt Hd M6X20 SS A2	SCREW000049	Nos	2
1.15	Allen Hd M6X16 Screw	8.1158.307/10	Nos	2
1.16	O-Ring 16.00x2.00	4306057577/07	Nos	2
1.17	Sticker (Air Regulator)	4305510966	Nos	1
1.18	Loctite 542	4300013200K	ml	5
1.19	Loctite 567	4300022700K	ml	10
1.2	Grease Syntheso Glep-1	SG300182P0001K	gm	10
2	Ring Type Joint	HSBA432577P0001	Nos	01
3	Kit for side cover LHS & RHS	4300007100/73	Set	01
3.1	Sealing Gasket LHS	4306057477/01	Nos	01
3.2	Anti Breaking Screw	SG300120P0001	Nos	08
3.3	Elastic Washer M6	9AVA330-11	Nos	08
3.4	Sealing Gasket RHS	4306057477/02	Nos	01

Note: - Lubricant and consumables required during overhauling may be procured on need base separately.

ANNEXURE II

Intermediate Overhauling Kit For Single Bottle VCB with Vitzro VST of M/s AAL Type VCBA25.10Tr - IOH Kit Part Number : 4300007100/62JV

S.No.	Description	Part No.	Unit	Qty. / VCB
1	Term overhauling (TOH) Kit complete	4300007100/61J	Set	01
2	Molecular Sieves	4320010700	Kgs	04
3	Cable tie 100mm	32.312.000/029	Nos.	06
4	Cable tie 200mm	32.312.000/039	Nos.	04
5	Kit of Pressure Switch (Indfos)	4300007100/58J	Set	01
5.1	Elastic Washer M4	9AVA330-100	Nos.	01
5.2	Sealing Ring Ø13.74xØ20.57x1.8mm	4300067200/04	Nos	02
5.3	Rubber Grommet	4306069577	Nos	04
5.4	Prevailing Torque Hex Nut M4	NUTXX000010	Nos	02
5.5	Pressure Switch Indfos	4300068300	Nos.	01
5.6	Steel Tube Assembly	4301169377	Nos.	02
5.7	Plain washer (Ø5.3x15x2)	9ADA329-3	Nos.	02
5.8	Coupling G3/8" PS	4303268677	Nos.	01
5.9	Copper Washer	4303220300	Nos.	01
5.10'	Pressure switch pipe assembly	4300067311	Nos.	01
5.11	Special Bolt M12 P.S	4303269677	Nos.	01
5.12	Hex Hd.M4x10 Screw	8.1168.306/10	Nos.	01
6	Needle Bearing	HSBA432623P0001	Nos.	02
7	Pl. Cupper Washer Ø10	WASHR000008	Nos	01
8	Elastic Washer M8	9AVA330-12	Nos	08
9	O-Ring ID10x3.5mm	4306057177	Nos	01
10	O-Ring ID105x2.5mm	4306057277	Nos	01
11	Spring Washer M8	NB335805P0511	Nos.	02
12	Spring Washer M10	NB335805P0512	Nos	04
13	Socket Head Plug G3/8"	HSBA432531P0001	Nos	3
14	Elastic Washer M12	9AVA330-6	Nos.	22
15	Elastic Washer M8	9AVA330-4	Nos.	04
16	CSK Screw M6x16	9AVA194-616	Nos.	04
17	Kit of EP Valve spares	4300007100/35	Set	01
17.1	O-Ring ID5.28x1.78mm	4306063499-01	Nos.	01
17.2	O-Ring ID10.5x2.0mm	4306063499-02	Nos.	01
17.3	O-Ring ID13.5x2.2mm	4306063499-23	Nos.	01
17.4	O-Ring ID24x2.0mm	4306063499-04	Nos.	01
17.5	O-Ring ID37x2.5mm	4306063499-05	Nos.	01
17.6	O-Ring ID57x2.5mm	4306063499-06	Nos.	02
17.7	O-Ring ID27x3.7mm	4306063499-28	Nos.	01
17.8	O-Ring ID31x3.7mm	4306063499-29	Nos.	01
17.9	O-Ring ID8x2.0mm	4306063499-10	Nos.	01
17.10,	O-Ring ID5x1.5mm	4306063499-11	Nos.	01
17.11	PZ Seal	4306063499-12	Nos.	01
17.12	PZ Seal	4306063499-13	Nos.	01
17.13	HT Spring Washer M5	NB335805P0508	Nos.	08
17.14	Plain Washer M5 S.S	NB335050P0606	Nos.	01
17.15	HT Spring Washer M8	NB335805P0511	Nos.	08

Intermediate Overhauling Kit For Single Bottle VCB with Vitzro VST of M/s AAL Type VCBA25.10Tr - IOH Kit Part Number : 4300007100/62JV

S.No.	Description	Part No.	Unit	Qty. / VCB
17.16	O-Ring	4306057577/06	Nos.	02
17.17	O-Ring ID26x2.5mm	4306057577	Nos.	01
17.18	Elastic Washer M6	9AVA330-11	Nos.	04
17.19	Pilot Control Assembly	4300005400/31	Nos.	01
17.20	HT Spring Washer M6	NB335805P0509	Nos.	04
18	Air Damper for Vitzro VI	4302154855	Nos.	01
19	Sealing Gasket R.F. (Rear Flange)	4306057577/12	Nos.	01
20	Sealing Gasket S. hd. (Shafting head)	4306057577/11	Nos.	01
21	Operating Rod Assembled for Vitzro VI	4300004800/02	Set	01
22	O-Ring ID 95x4.5mm	4306057577/02	Nos.	01
23	Compression Spring	HSBA432463P0001	Nos.	01
24	Compression Spring	4301556088	Nos	02
25	Cam Spacer	4305151677	Nos.	02
26	Couping Rod	4301151977	Nos.	01
27	Lock Nut M10	9ADA299-6	Nos.	02
28	Washer	HSBA432539P0001	Nos.	04
29	Wedge Washer (Ø30xØ10.5x0.2mm)	HSBA433389P0001	Nos.	02
30	Wedge Washer (Ø30xØ10.5x0.5mm)	HSBA433389P0002	Nos.	02
31	Wedge Washer (Ø30xØ10.5x1.0mm)	HSBA433389P0003	Nos.	02
32	Kit For Auxilary Switch	4300007100/26	Set	01
32.1	Auxiliary contact Switch	4309056199	Nos.	01
32.2	Elastic Washer M6	9AVA330-11	Nos.	12
32.3	Allen Hd Screw	SCREW000049	Nos.	08
32.4	Hex Nut M6	HHIM025339	Nos.	04
32.5	Elastic Washer M4	9AVA300-100	Nos.	18
33	Shock Absorber Plate	4306054477	Nos.	01
34	Piston Seal	4306055677	Nos.	01
35	IOH Kit of Greases & consum VCB	4300007100/74J	Set	01
35.1	Molykote G.N Plus	HSBA433750P0005K	gm	10
35.2	Grease Syntheso Glep-1	SG300182P0001K	gm	10
35.3	Molykote 33 Light	SG300181P0001K	gm	10
35.4	Molykote -G Rapid	SG300180P0001K	gm	10
35.5	Loctite 567	4300022700K	ml	10
35.6	Special grease (F)	4300022900K	ml	40
35.7	Loctite 542	4300013200K	ml	5
35.8	Hylomer sealant	SG300074P0001K	ml	25
35.9	Silicon Sealant	HHIM025074K	ml	50
35.10'	Loctite 7061	HSBA432292P0015	ml	100
35.11	Silicon liquid cleaner	4300022800K	ml	20
				mini pack qty
1	I&P Kit for 10 VCB's Lub / consumables	4300007100/75	Set	01
1.1	Silicon Spray	HSBA432893P0001	gm	250
1.2	Leak finder	4300013100	ml	500

Intermediate Overhauling Kit For Single Bottle VCB with Vitzro VST of M/s AAL Type VCBA25.10Tr - IOH Kit Part Number : 4300007100/62JV

S.No.	Description	Part No.	Unit	Qty. / VCB

Please Note :

For VCB with M/s Wuhan make VST, the following changes to be done in the above kit :
At S. No. 18 : Air Damper for (Wuhan VST) Part No. shall be 4302154855/101, Qty. 01 No.
At S. No. 21 : Operating Rod Assembled for (Wuhan VST) Part No. shall be 4300004800/04, Qty. 1 No.

For VCB as per CLW Spec Alt J, the following changes to be done in the above kit :
At S. No. 32.1 : Auxiliary Contact Switch 7NO, 2NC (checked after assy in VCB) Part No. shall be 4309056199/02 for CLW Spec Alt J Qty. 1 No.

ANNEXURE III

Periodic Overhauling Kit for Single Bottle VCB for Vitzro VI of M/s AAL Type VCBA25.10Tr - POH KIT Part Number : 4300007100/63JV.

S.No.	Description	Part No.	Unit	Qty. / VCB
1	Intermediate overhauling (IOH) KIT complete	4300007100/62JV	Set	01
2	Elastic Washer M6	9AVA330-11	Nos.	10
3	Elastic Washer M8	9AVA330-12	Nos.	10
4	HT Spring Washer M4	NB335805P0507	Nos.	04
5	Auxiliary Cam	4302254955	Nos.	01
6	Bracket Pin	4301154199	Nos.	01
7	Driving Plate Pin	4301154299	Nos.	01
8	O-Ring ID120.2x3.53mm	4306057377	Nos.	01
9	Washer	HSBA432539P0001	Nos.	04
10	Needle Bearing	HSBA432623P0001	Nos.	02
11	Retaining Ring Dia. 12	9ABA135-10	Nos.	02
12	Operating Cam for Vitzro VI	4301269433	Nos.	02
13	Split Pin Ø2x16mm	PINSX000002	Nos.	02
14	Retaining Ring Ø6	CRCLP000005	Nos.	02
15	Stand pipe Assy	SG300066P0001	Nos.	01
16	Gasket KD 1/4"	SG300071P0001	Nos.	01
17	Edging Strip	HSBA433458P0003	Mtrs.	02
18	Sealing Ring Ø21.54xØ28.58x2.3mm	4300067200/03	Nos.	01
19	Connector assy for CKD PRV	4300007100/78	Nos.	01
20	O-Ring ID16x2.0mm	4306057577/07	Nos.	02
21	NRV Spring	4301570077	Nos.	01
22	NRV Rubber Washer	4306069977	Nos.	01
23	NRV Plunger	4305069877	Nos.	01
24	O-Ring ID28x2mm	4306057577/09	Nos.	01
25	Compression Spring	4301562877	Nos.	01
26	Compression Spring	4301560677	Nos.	01
27	POH Kit for Lub / consumables	4300007100/76	Set	01
27.1	Loctite 270	4300013400	ml	5
27.2	Loctite 480	4300013500	gm	2
				mini pack qty
1	I&P Kit for 10 VCB's Lub / consumables	4300007100/75	Set	01
1.1	Silicon Spray	HSBA432893P0001	gm	250
1.2	Leak finder	4300013100	ml	500

Please Note :

For VCB with M/s Wuhan make VST, the following changes to be done in the above kit :

At S.No. 12 : Operating Cam for (Wuhan VST) Part Number shall be 4301272033 Qty 2 Nos.

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Dated: 19th August'2025

TO WHOMSOEVER IT MAY CONCERN

We are the authorized distributor of CKD India Ltd. & inform you that working of below listed part code are same only the difference is in W2000-10-M1 there is RC thread and in W2000-10G-W-FLA98253 there is G thread.

1. W2000-10-M1
2. W2000-10G-W-FLA98253

Thanking You,

Yours Faithfully,

For, **EXPLORE TECHNOLOGIES**

EXPLORE TECHNOLOGIES GREATER NOIDA (U.P.)

(Authorized Signatory)