

ADDRESSEES	: ABC Customer Care and Parts Source, AC Transit, MWAA, Owners and Operators, RTL, WMATA, YRT/Veolia
COACH/BUS MODEL	: see 'Application'
BULLETIN TYPE	: Service Information
SECTION/CHAPTER	: Section 5 – Brakes Chapter 5.2 Brakes - Control systems
DATE	: January 18, 2008
SUBJECT	: ABS/ATC valve connector changes
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

The service information subject of this Bulletin is applicable to following coaches and transit buses:

T2140 and T2145 (1997 on), C2045 (2000 on), A330 and AG300 (2001 on), A300K (2005 on), A508 (1998 on).

DESCRIPTION:

1. In an effort to standardize the mass production of air brake valves, manufacturers have phased out valves with open-style (KOSTAL, Figure 1) connectors in favor of valves with bayonet-style (DIN, Figure 2) connectors.
In the scope of this Bulletin, both two-pin and three-pin connectors are involved (Figures 1 through 4).



Description continued on next page.

Continued from page 1.

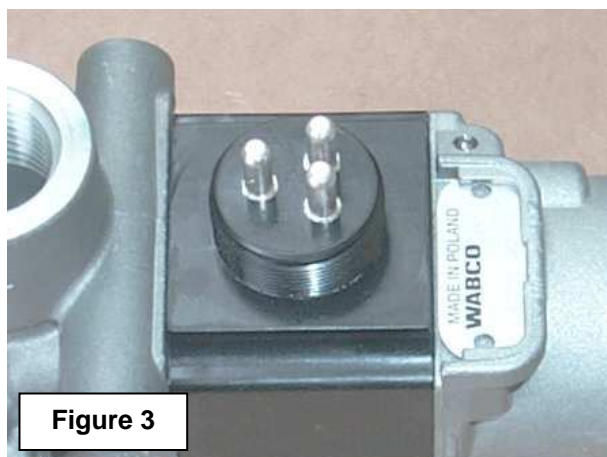


Figure 3

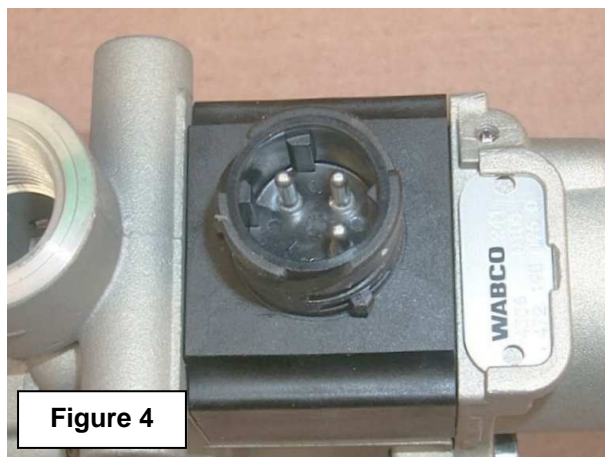


Figure 4

2. With ABS/ATC valves featuring KOSTAL connectors no longer available, Van Hool have cut into production ABS/ATC brake valves with bayonet-style connectors. As a matter of course, the ABS modulator and ATC solenoid valve cables have been changed to suit.
3. For transit buses the VIN cut-in of the new valves has yet to be determined.

On C- and T-coaches the new valves have been cut into production as from the units shown below:

Model	Engine	VIN
C2045	Cummins	46071 → 46082, 46086 →
	Detroit Diesel	46701 → 46711, 46713 →
	Caterpillar	47217 → 47224, 47230 →

Model	Engine	VIN T2140	VIN T2145
T2100	Cummins	40161 →	44332 →
	Detroit Diesel	TBD	44662 →
	Caterpillar	N/A	44830 →

4. To address the issue of replacement parts for field units with old style valve connectors, Van Hool have developed service kits that include adapter cables allowing hook-up of new valve assemblies to the original coach wiring. Attachment 1 to this Service Bulletin provides full details necessary for ordering parts. It is obvious that for units equipped with valves with the new style connectors there is no need to order adapter cables, as the correct wiring has already been installed.

PARTS AND PRODUCTS:

Old parts

VH 10610094
(Sub-assemblies
available
separately)

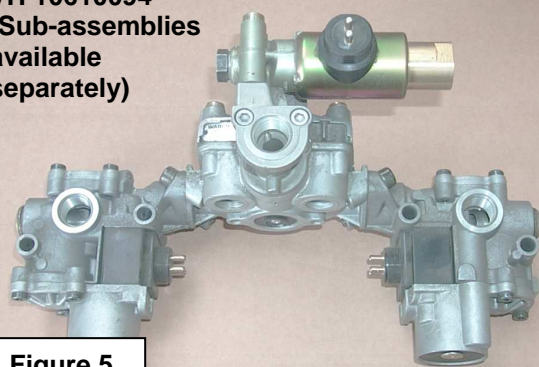


Figure 5

VH 10691922



Figure 7

VH 10610093



Figure 9

New parts

VH 10977104
(Sub-assemblies
available
separately)

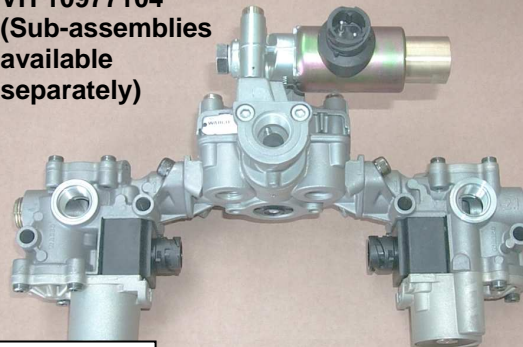


Figure 6

VH 10876925



Figure 8

VH 10977101



Figure 10

Old

VH reference	Description	Qty.	Figure
VH 10610094	Valve package, ABS*	1	5
VH 10691922	Valve, ATC (ASR) 3/2 solenoid	#	7
VH 10610093	Valve, ABS modulator	#	9

New

VH reference	Description	Qty.	Figure
VH 10977104	Valve package, ABS*	1	6
VH 10876925	Valve, ATC (ASR) 3/2 solenoid	#	8
VH 10977101	Valve, ABS modulator	#	10



Repair

VH reference	Description	Qty.	Figure
VH 10977104	Valve package, ABS*	1	6
VH 10876925	Valve, ATC (ASR) 3/2 solenoid	#	8
VH 10977101	Valve, ABS modulator	#	10
VH 11041419	Cable, adapter, 3-pin, DIN to 24 mm diameter KOSTAL, to suit valve package	#	11, 13, 14
VH 11041420	Cable, adapter, 2-pin, DIN to 27 mm diameter KOSTAL, to suit ATC solenoid and ABS modulator valves	#	12, 13, 14

* Sub-assemblies available separately.

- Old and new parts are not interchangeable and only the new parts will be offered as service replacements.
- Parts may be purchased through regular channels.
- Parts and products disposition: discard according to applicable environmental regulations.

ATTACHMENTS:

Attachment 1: "Parts application".

SERVICE INFORMATION:

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.

ATTACHMENT 1: PARTS APPLICATION:

Application	Part	Old part #	Kit #	Kit # includes	Location
T2100-series C2045 (All)	ABS valve package* comprising: modulator valves (2) relay valve (1) ATC (ASR) 3/2 solenoid valve (1) *Sub-assemblies available separately	VH 10610094	VH 11053524	ABS valve package, VH 10977104 (1) comprising: modulator valves (2) relay valve (1) ATC (ASR) 3/2 solenoid valve (1) + 3-pin adapter cable, elbow connector, VH 11041419 (2) 2-pin adapter cable, straight connector, VH 11041420 (1)	Drive axle
	ABS modulator valve	VH 10610093	VH 11053526	ABS modulator valve, VH 10977101 (1) + 3-pin adapter cable, elbow connector, VH 11041419 (1)	Front axle Tag axle
T2100-series C2045 + ZF Astronic	Easy-start valve	VH 10691922	VH 11053527	ATC (ASR) 3/2 solenoid valve, VH 10876925 (1) + 2-pin adapter cable, straight connector, VH 11041420 (1)	Drive axle
	ABS modulator valve	VH 10610093	VH 11053526	ABS modulator valve, VH 10977101 (1) + 3-pin adapter cable, elbow connector, VH 11041419 (1)	Front axle Drive axle Steering axle
A-series transit buses	ATC (ASR) valve	VH 10691922	VH 11053527	ATC (ASR) 3/2 solenoid valve, VH 10876925 (1) + 2-pin adapter cable, straight connector, VH 11041420 (1)	Drive axle