

5.3 – INSTALLATION CHECKLIST

Required Installation Checklist for DIWA.3, DIWA.3 E, DIWA.5, DIWA.6				
Serial Number:		Trans. Type:		
Date Installed:		Trans.Pattern:		
Mileage at Install:		Engine Type:		
Business Name:				
Unit Number:		VIN Number:		
Bus Manufacture:		City:		
Contact Name:		State:		
Contact Email:		Zip Code:		
Contact Phone Number:		Order Number:		
Task	Task Type	Task Description	Yes/Ok	Additional info.
Hydrodamp	Inspection	Checked for spline wear in hub Oil Level Not Leaking	<input type="checkbox"/>	DIWA.6 15001201112 service manual pg. 44 DIWA.5 15000382110 workshop manual pg. 36 DIWA.3 & DIWA.3E 55.6704.14 repair manual pg. 24
Input Shaft	Grease	Confirm grease applied	<input type="checkbox"/>	See Service Bulletin 137 on proper grease to apply. Note please apply small amounts just to fill spline grooves.
Driveshaft	Inspection	Confirm driveshaft alignment and properly balanced. Replacement of U-Joints Confirm ride height as per manufacture specifications	<input type="checkbox"/>	See driveshaft manufactures specifications and OEMs requirements for ride height. <u>Never remove Output flange or Yoke on the Voith transmission.</u>
Radiator	Visual Inspection	Vehicle radiator and air charge cooler		
		Fins Clean Fins are not bent. Airflow not blocked	<input type="checkbox"/>	Should be able to use an flashlight throughout radiator and see light to other side.

Task	Task Type	Task Description	Yes/Ok	Additional info.
Coolant	Inspection	Approved Antifreeze		Heat Exchanger Cooling Service Bulletin 41A
		Replacement of Heat exchanger coolant hoses	<input type="checkbox"/>	
Cable 1	Visual Inspection	Cable 1 ECU to Transmission		
		No oxidation or cracked lock ring at connection No bent pins at transmission connection No cracks or chafing of insulation. No Sharp bends in cabling Install P-Clamp to support connection	<input type="checkbox"/> <input type="checkbox"/>	Failure to meet any of these criteria. Replacement of Cable 1 required
Hoselines	Visual Inspections	External Hoselines DIWA.3 & DIWA.3E	<input type="checkbox"/>	Should be replaced after 8 years of service.
Oil		Correct Automatic Transmission Fluid Oil Level Check	<input type="checkbox"/>	See Current Service Bulletin 13 & 118 Oil level check should be confirmed using Voith's dipstick on transmission
Oil Manufacture:				
Oil Type and Number:				
Diagnostic	Diagnostic test using ALADIN with bus at a standstill ignition on.			
	Aladin 6.5 or higher	Diagnostics Clear Events in Fault Monitor Delete adaptation data	<input type="checkbox"/>	

Task	Task Type	Task Description	Yes/Ok	Additional info.
	Software ECU	DIWA.5 and DIWA.6 Software version 5.14.11.0S or higher DIWA.3 and DIWA.3E Software version 18.28.8 or higher	<input type="checkbox"/>	
Diagnostic	Diagnostic test using ALADIN road test to operating temperature			Operating oil temperature is 80° to 90° C
	Transmission Monitoring	Sensor Selector Brake Signals Actuator Test	<input type="checkbox"/>	Voith Diagnostic Program
	Upload	Event Memory No Malfunctions Send ALADIN Upload to Voith Attach Upload File	<input type="checkbox"/>	Priority 1, 2 or 7 should be corrected before put into service. Send ALADIN upload to VTI-RoadService@voith.com
Fluid	Oil and Antifreeze	Oil Level Coolant level Check for leaks	<input type="checkbox"/>	Oil level check should be confirmed using Voith's supplied dipstick on transmission. <u>Not OEM</u>
	Initial Oil Filter Change	Filter replacement DIWA 5 & DIWA 6 Oil and filter replacement DIWA.3 & DIWA.3E	<input type="checkbox"/>	Filter replacement must occur at 10,000 miles on DIWA.5 & DIWA.6 (VT1942EN&VT2355 EN) Oil and Filter replacement must occur at 2,500 miles and 11,500 miles (G1734e & G1735e)

Notice: This checklist would be understood by a certified installer. If you do not have the equipment or certification to perform this above task you may limit or have your warranties denied.

Please call the toll free techline +1-877-374-1339 and you will be directed to the nearest installer or schedule a training class to become a certified installer.

Bulletins and Diagnostic Software and Tool List are available online
<http://www.voithusa.com/Road/>

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