



# Service Information

**Workshop Equipment**

**Number: VSE-12-14**

**Subject: VW Minimum Required Jetta Hybrid Auto  
Shipment AT343**

**Date: September 13, 2012**

VWGoA is pleased to inform you of the automatic delivery of the Required Special Tools which are used on the following systems of the Jetta Hybrid:

- Hybrid System Tools
- 1.4 TSI Engine
- 7 Speed DSG Transmission.
- In an effort to save shipping costs, we have included one tool which is used on 2.0 FSI equipped vehicles.

Starting September 28, 2012, every VW dealer will be shipped one AT-343 Special Tool Package. Freight F.O.B. Snap-On OEM and invoiced directly by the VW Special Tools Program (Snap-On Business Solutions - SBS).

For dealers that wish to order additional AT-343 Special Tool Packages, please notify the VW Tools and Equipment Program by contacting us at 800-892-9650. Additional orders will be filled with remaining stock in the order received

Additional individual pieces of this package may be ordered from the VW Tools and Equipment program after the automatic shipment takes place.

Shipping & billing inquires should be directed to the VW Tools and Equipment program @ (800-892-9650).

<u>Franchise Type</u>	<u>Package Qty</u>	<u>Dealer Price USA</u>	<u>Dealer Price Canada*</u>
VW	27 Tools	\$3326.30	\$3417.30 CDN*
VW/Audi Dual	24 Tools	\$3206.90	\$3297.90 CDN*

**Note** \* Canadian prices are subject to change. USD to CAD conversion will be calculated at time of invoicing at the current rate. Canadian pricing also accounts for importation costs from US to Canada.






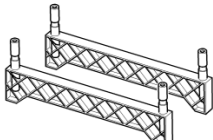
**Note\*\*** Tools annotated with (†) may be delayed form the supplier at time of shipping.



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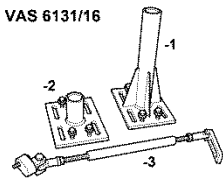





## VW JETTA HYBRID PACKAGE AT-343

### Hybrid System tools

Tool Description	Repair Group	Illustration
<b>(†)</b> VAS6558A - Hybrid Test Module Used for de-energizing, HV insulation resistance, and potential compensation tests on the Hybrid system VW Exclusive & VW/Audi Dual	93 & GFF	
<b>(†)</b> VAS5505/4 – USB to Fischer Adapter Cable Used to adapt VAS6558A to Diagnostic Tester VW Exclusive & VW/Audi Dual	93 & GFF	
VAS6649 - Hybrid Vehicle Warning Sign, Voltage Used to identify Hybrid Vehicle Service electrical hazard area VW Exclusive	93 & GFF	
VAS6650A - Hybrid Vehicle Warning Sign, Switch Used to warn against switching on Hybrid Vehicle during service of HV system due to electrical hazard VW Exclusive	93 & GFF	
<b>(†)</b> T10506 - Sealing Caps Used to protect HV components of Hybrid System during disassembly VW Exclusive & VW/Audi Dual	93 & GFF	
<b>(†)</b> T10513 - Battery Supports Used when installing battery frame into the Jetta Hybrid VW Exclusive & VW/Audi Dual	93	



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<p><b>(†)</b> VAS6131/16 - Hybrid Battery Adapters</p> <p>Used in conjunction with the VAS6131 scissor lift during the removal and installation of the HV Battery Pack on the Jetta Hybrid</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	93	<p>VAS 6131/16</p> 
<p><b>(†)</b> VAS6633 - Torx Screwdriver Set, High Voltage</p> <p>Used for the removal and installation of HV components on the Jetta Hybrid</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	93	
<p><b>(†)</b> T40155 - Lifting Straps</p> <p>Used in conjunction with VAS6100 Shop Crane when replacing the HV Battery Pack on the Jetta Hybrid</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	93	
<p><b>(†)</b> VAS5571 - Electrical Test Adapter</p> <p>Used during diagnostic test and measurements of various 2 &amp; 3 pin connectors</p> <p>VW Exclusive</p>	GFF & Wiring Diagrams	
<p>VAS5565 - Electrical Test Adapter</p> <p>Used during diagnostic test and measurements of various 5 pin connectors</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	GFF & Wiring Diagrams	
<p>VAS5570 - Test Instrument DSO Adapter</p> <p>Used during diagnostic test and measurements of various 3 pin connectors</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	GFF & Wiring Diagrams	




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## 1.4 TSI Engine Tools







Tool Description	Repair Group	Illustration
<p>T40075A - Engine Support</p> <p>Used to remove the engine in conjunction with the e-machine and Transmission of the Jetta Hybrid</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	10, 13, & 93	
<p>T10044 - Counter Hold Tool</p> <p>Locking flywheel on the 1.4 TSI engine</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	10, 13, 15 & 30	
<p>T10170A - Dial Gauge Adapter</p> <p>Used to check TDC on the 1.4 TSI engine when setting valve timing. Also used on the 2.0 TSI engine</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	13 & 15	
<p>T10171A - Camshaft Clamp</p> <p>Used for locking the camshaft when checking and adjusting valve timing on the 1.4 TSI engines</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	15	
<p>T10340 - Locking Pin</p> <p>Used for locking the crankshaft in place when adjusting the valve timing on the 1.4 TSI engine</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	13 & 15	
<p>T10358 - Engine Bracket</p> <p>Used to support engine during installation and removal of cylinder head on the 1.4 TSI engine used on the Jetta Hybrid</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	15	



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<b>(†)</b> T10516 - Counterhold Tool Used during removal and installation of the V141 electric drive motor VW Exclusive & VW/Audi Dual	10	
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## 7 Speed DSG Tools

Tool Description	Repair Group	Illustration
T10373 - Puller Used for removing clutch on 7-speed dual clutch gearbox used in the Jetta Hybrid VW Exclusive & VW/Audi Dual	30	
T10374 - Gauge Block Used for determining position of release bearings on 7-speed dual clutch gearbox VW Exclusive & VW/Audi Dual	30	
T10376 - Engine Bracket Used for installing clutch on 7-speed dual clutch gearbox VW Exclusive & VW/Audi Dual	30	
T10406 - Guide Bolt Used to align mechatronics unit during installation on the 7 speed dual clutch gearbox VW Exclusive & VW/Audi Dual	34	
T10407 - Assembly Lever Used to operate the engaging lever during removal and disassembly of the mechatronic unit VW Exclusive & VW/Audi Dual	34	
T10420 - Seal Puller Used to remove shaft seal of inner input shaft on dual clutch gearbox VW Exclusive & VW/Audi Dual	35	



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<p><b>(†)</b> T10515 - Centering Mandrel</p> <p>Used to align transmission and e-machine during transmission installation into the Jetta Hybrid</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	34	
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## 2.0 TSI Tools

Tool Description	Repair Group	Illustration
<p><b>(†)</b> T10497 - Engine Support</p> <p>Used to Remove the power-train in the Jetta Equipped with the 2.0 TSI engine</p> <p>VW Exclusive &amp; VW/Audi Dual</p>	10	