



Elite 1500 Plug 'n' Play Adaptor Harness HT-140970

Supported Engine

VOLKSWAGEN 1.8T (AWP)
AUDI 1.8T (AWP)

NOTE: OTHER VARIANTS MAY BE SUPPORTED, THIS APPLICATION IS VERIFIED ON THE 1.8T (AWP) ENGINE

Package Contents

THIS VOLKSWAGEN / AUDI PACKAGE CONTAINS THE FOLLOWING:

- VOLKSWAGEN / AUDI 1.8T (AWP) ELITE 1500 PLUG 'N' PLAY ADAPTOR HARNESS (HT-140970)
- 6-PIN AUXILIARY CONNECTOR KIT



Application Notes

THIS VOLKSWAGEN / AUDI 1.8T (AWP) ELITE 1500 PLUG 'N' PLAY ADAPTOR HARNESS IS SUITABLE FOR USE WITH A HALTECH **ELITE 1500 & ELITE 2500** ECU ONLY. USE WITH AN **ELITE 1500** WILL ONLY SUPPORT A SINGLE KNOCK SENSOR INPUT. FOR DUAL KNOCK SENSOR SUPPORT, AN **ELITE 2500** ECU IS REQUIRED.

ENSURE THAT THE CORRECT BASEMAP IS LOADED BEFORE STARTING THE VEHICLE.

THE BASEMAP IS ONLY FOR USE AS A STARTING POINT AND THE ECU WILL REQUIRE APPROPRIATE TUNING.

HALTECH WILL NOT BE HELD RESPONSIBLE FOR ENGINE DAMAGE DUE TO THE IMPROPER USE OF BASEMAPS.

THE 6 PIN AUXILIARY CONNECTOR PROVIDES A NUMBER OF ADDITIONAL INPUT LINKS TO THE HALTECH ELITE ECU. THIS KIT IS SUPPLIED WITH THE OPPOSING CONNECTOR AND PINS FOR USE WITH THE 6 PIN AUXILIARY CONNECTOR.

AN APPROPRIATE CRIMPING TOOL IS RECOMMENDED TO USE THE 6 PIN AUXILIARY CONNECTOR.

A CRIMPING TOOL KIT (PART # HT-070300) CAN BE PURCHASED AT WWW.HALTECH.COM

AFTER THE INSTALLATION OF THIS PLUG 'N' PLAY KIT, FACTORY PANELS MAY BE RE-INSTALLED.

ECU Location

VOLKSWAGEN / AUDI

THE FACTORY ECU CAN EXIST IN THREE POSSIBLE PLACES. IT WILL BE IN EITHER THE TOP OF THE DASH, ENGINE BAY, OR WITHIN THE CAVITY UNDER THE FRONT WINDSCREEN.

BY REMOVING THE PANELS IN PLACE, THE FACTORY ECU CAN BE ACCESSED AND THE HALTECH PLUG 'N' PLAY PRODUCTS MAY BE INSTALLED.

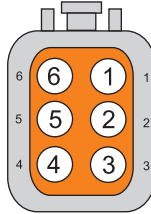
ALL FACTORY PANELS MAY BE RE-USED AFTER INSTALLATION TO RETAIN THE STANDARD VEHICLE APPEARANCE.

PLEASE ENSURE THAT YOUR ELITE ECU POCKET COVER IS RE-FITTED AFTER INSTALLATION AND TUNING, TO RETAIN THE IP67 RATING. **FAILURE TO DO SO, WILL CAUSE DAMAGE TO YOUR HALTECH ASSEMBLY.**

Elite 1500/2500 Basemaps

MAKE	MODEL	CODE	ENGINE	BASEMAP
VOLKSWAGEN / AUDI	BEETLE/GTI/JETTA/TT	AWP	1.8T	HT-140970 - Volkswagen-Audi 1.8T AWP.e1500
VOLKSWAGEN / AUDI	BEETLE/GTI/JETTA/TT	AWP	1.8T	HT-140970 - Volkswagen-Audi 1.8T AWP.e2500

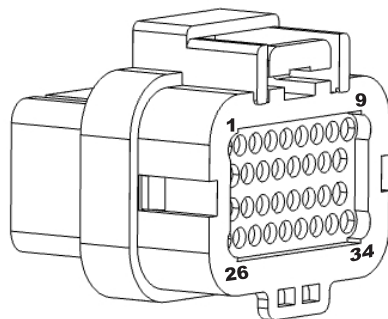
Auxiliary Connector



AUXILIARY CONNECTOR (6 PIN)
REAR VIEW (WIRE SIDE)

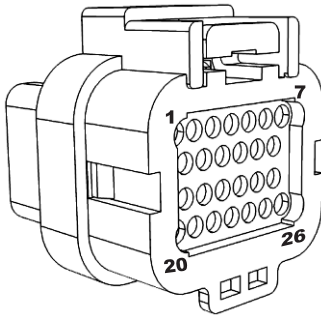
Position (6 Pin Plug)	Connection	Function	Notes
1	From Haltech ECU (B13)	AVI 1	Spare Analogue Voltage Input
2	From Haltech ECU (B14)	SIGNAL GROUND	Signal Ground For Input Sensors
3	From Haltech ECU (A26)	+12V (ECU)	+12V Supply for Relays and Solenoids (500mA Max)
4	From Haltech ECU (A9)	+5V	+5V DC Sensor Supply (50mA Max)
5	From Haltech ECU (B15)	SIGNAL GROUND	Signal Ground For Input Sensors
6	From Haltech ECU (B8)	SPI 1	Spare SPI (Optional Flex Fuel Input)

Main Connectors



34 PIN (A)

ECU Connector (34 Pin Plug)	Function	Description
A1	DPO 2	Wastegate Solenoid
A2	AVI 4	Accelerator Pedal Position - Main
A3	IGN 1	Ignition Coil #1
A4	IGN 2	Ignition Coil #2
A5	IGN 3	Ignition Coil #3
A6	IGN 4	Ignition Coil #4
A7	IGN 5	Spare Output (Available to Elite 2500 Only)
A8	IGN 6	Spare Output (Available to Elite 2500 Only)
A9	+5V	+5V DC Sensor Supply
A10	BATTERY GROUND	Battery Negative
A11	BATTERY GROUND	Battery Negative
A12	+8V	+8V DC Sensor Supply
A13	IGNITION INPUT	Ignition Switch
A14	AVI 10	Clutch Pedal Switch
A15	AVI 9	Intercooler Pressure Sensor
A16	AVI 2	Throttle Position Sensor - Main
A17	AVI 3	Throttle Position Sensor - Sub
A18	DPO 1	Tachometer
A19	INJ 1	Injector #1
A20	INJ 2	Injector #2
A21	INJ 3	Injector #3
A22	INJ 4	Injector #4
A23	DPO 3	Turbo Recirculation Valve
A24	DPO 5	Fuel Pump Relay
A25	DPO 6	Engine Control Relay Output
A26	+12V (INJ)	Fused Power
A27	INJ 5	Spare Output (Available to Elite 2500 Only)
A28	INJ 6	Spare Output (Available to Elite 2500 Only)
A29	INJ 7	Spare Output (Available to Elite 2500 Only)
A30	INJ 8	Spare Output (Available to Elite 2500 Only)
A31	STEP1 P1	Purge Canister
A32	STEP1 P2	A/C Compressor Cut (Wide Open Throttle)
A33	STEP1 P3	Check Engine Light
A34	STEP1 P4	Intake Cam Solenoid



26 PIN (B)

ECU Connector (26 Pin Plug)	Function	Description
B1	TRIGGER	Crankshaft Position Sensor (+)
B2	HOME	Camshaft Position Sensor
B3	AVI 7	Air Temperature Sensor
B4	AVI 8	Coolant Temperature Sensor
B5	TRIGGER -	Crankshaft Position Sensor (-)
B6	HOME -	Not Used
B7	SPI 4	Brake Pedal Switch
B8	SPI 1	Spare SPI (Optional Flex Fuel Input)
B9	SPI 2	A/C Request
B10	SPI 3	Vehicle Speed Sensor
B11	+12V (ECU)	Fused Power
B12	AVI 6	O2 Sensor
B13	AVI 1	Spare Analogue Voltage Input
B14	SIGNAL GROUND	Signal Ground for Input Sensors
B15	SIGNAL GROUND	Signal Ground for Input Sensors
B16	SIGNAL GROUND	Signal Ground for Input Sensors
B17	IGN 7	Spare Output (Available to Elite 2500 Only)
B18	IGN 8	Spare Output (Available to Elite 2500 Only)
B19	DPO 4	O2 Sensor Heater
B20	AVI 5	Accelerator Pedal Position - Sub
B21	KNOCK 1	Knock Sensor Signal 1
B22	KNOCK 2	Knock Sensor Signal 2 (Available to Elite 2500 Only)
B23	CAN HIGH	CAN High (Vehicle Bus)
B24	CAN LOW	CAN Low (Vehicle Bus)
B25	DBW 1	Drive-by-Wire Motor
B26	DBW 2	Drive-by-Wire Motor



WARNING - HALTECH OFF-ROAD USAGE POLICY

It is unlawful to tamper with your vehicle's emissions equipment.

Haltech products are designed and sold for sanctioned off-road/competition non-emissions controlled vehicles only. Using Haltech products for street/road use on public roads is prohibited by law. It is the responsibility of the installer and/or user of this product to ensure compliance with all applicable local and federal laws and regulations. Please check with your local vehicle authority before using any Haltech product

INSTALLATION OF HALTECH PRODUCTS

No responsibility whatsoever is accepted by Haltech for the fitment of Haltech Products. The onus is clearly on the installer to ensure that both their knowledge and the parts selected are correct for that particular application. Any damage to parts or consequential damage or costs resulting from the incorrect installation of Haltech products are totally the responsibility of the installer.

Always disconnect the battery when doing electrical work on your vehicle. Avoid sparks, open flames or use of electrical devices near flammable substances. Do not run the engine with a battery charger connected as this could damage the ECU and other electrical equipment. Do not overcharge the battery or reverse the polarity of the battery or any charging unit. Disconnect the Haltech ECU from the electrical system whenever doing any welding on the vehicle by unplugging the wiring harness connector from the ECU. After completing the ECU installation, make sure there is no wiring left uninsulated. Uninsulated wiring can cause sparks, short circuits and in some cases fire. Before attempting to run the engine ensure there are no leaks in the fuel system. All fuel system components and wiring should be mounted away from heat sources, shielded if necessary and well ventilated. Always ensure that you follow workshop safety procedures. If you're working underneath a jacked-up car, always use safety stands!

HALTECH LIMITED WARRANTY

Unless specified otherwise, Haltech warrants its products to be free from defects in material or workmanship for a period of 12 months from the date of purchase, valid in the original country of purchase only. Proof of purchase, in the form of a bill of sale or receipted invoice, which indicates that the product is within the warranty period, must be presented to obtain warranty service. Haltech suggests that the purchaser retain the dealer's dated bill of sale/receipt as evidence of the date of retail purchase. If the Haltech product is found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of purchase. This shall constitute the sole liability of Haltech. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations, either expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Haltech be liable for special or consequential damages.

PRODUCT RETURNS

Please include a copy of the original purchase invoice along with the unused, undamaged product and its original packaging. Any product returned with missing accessory items or packaging will incur extra charges to return the item to a re-saleable condition. All product returns must be sent via a freight method with adequate tracking, insurance and proof of delivery services. Haltech will not be held responsible for product returns lost during transit. The sale of any sensor or accessory that is supplied in sealed packaging is strictly non-refundable if the sealed packaging has been opened or tampered with. This will be clearly noted on the product packaging. If you do not accept these terms please return the sensor in its original unopened packaging within 30 days for a full refund.

Returning a sensor or accessory product within 30 days of purchase: Product may be returned for credit or full refund. (Any sealed packaging must not have been opened or tampered with)

Returning a sensor or accessory product after 30 days of purchase: Product may be returned for credit only (no refunds given) and is subject to a 10% Restocking fee. (Any sealed packaging must not have been opened or tampered with)

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Intl: +61 2 9729 0999
USA: +1 888 298 8116



Intl: support@haltech.com
USA: usasupport@haltech.com



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