

Last updated 2015-10-23

TEMPLATE (harness pinout)

Disclaimer: typ values, might change without notice.

<https://shop.vems.hu/catalog/v3twinshieldharness-p-123.html>

Download template from

<https://vems.hu/download/harness/v3TwinShieldHarness/PTFE>

Customize template: delete irrelevant columns in xls before printing, take your notes, mark differences and special entries.

It is always the installer's responsibility to correct / complete according to actual install.

Provide a printed or digital copy for the owner for future reference. That is required for every VEMS install.

Number of attachments: ...

The VEMS v3 ECU originally used for this harness has : ...

IGBT eg min 6 or max 2

Serialnr (used in first install) : ...

Any notable requirements about VEMS v3 ECU:

Shielded1

190

Other notes (orderid, owner, whatever): ...

Shielded2

139

(example)	EC pin	name	Auto.PVC 2015	PTFE 2015/1 i4 TR	PTFE 2015/1 i4 TL	PTFE 2015/1 i6 TR	PTFE 2015/1 i6 TL	cm
		inj +12v	red/white	red	red	red	red	140
	EC36/7	cyl 1	green/white	violet	violet	violet	violet	
	EC36/9	cyl 2	yellow/red	orange	orange	orange	orange	131
	EC36/8	cyl 3	red/black	green	green	green	green	121
	EC36/18	cyl 4	blue/yellow	blue	blue	blue	blue	113
	EC36/19	cyl 5	black/yellow			yellow	yellow	
	EC36/20	cyl 6	black/red			white	white	

		ign +12v	green/white	black	black	black	black	
	EC36/33	cyl 1	green/white	violet	violet	violet	violet	134
	EC36/34	cyl 2	yellow/red	orange	orange	orange	orange	124
	EC36/36	cyl 3	red/black	green	green	green	green	114
	EC36/11	cyl 4	blue/yellow	blue	blue	blue	blue	104
	EC36/12	cyl 5	black/yellow			yellow	yellow	
	EC36/24	cyl 6	black/red			white	white	

	EC36/2	MAT sen	yellow/red	yellow	yellow	yellow	orange	170
	EC36/26	MAT gnd	black	gray	gray	gray	gray	

	EC36/14	CLT sen	blue/red	blue	blue	blue	blue	170
	EC36/26	CLT gnd	black	gray	gray	gray	gray	

	EC36/29	TPS +5v	red/yellow	yellow	yellow	yellow	yellow	
	EC36/1	TPS sen	yellow/black	green	green	green	green	171
	EC36/26	TPS gnd	black	gray	gray	gray	gray	

	EC18/7	O2 pump -	blue/yellow	blue	blue	blue	blue	
	EC18/9	O2 pump +	white/red	white	white	white	white	
	EC18/13	O2 nerst	black/yellow	pink	pink	pink	pink	110
	EC18/18	O2 heater	green	black	brown	black	black	
		O2 +12v	red	red	red	red	red	

	EC36/28	MAP +5V	-	yellow	red	yellow	yellow	
	EC18/6	MAP sen	-	violet	violet	violet	violet	116
	EC36/26	MAP GND	-	gray	gray	gray	gray	

		boost +12v	-	red	red	red	red	
	EC36/10	boost sig	-	blue	blue	green	blue or green	115

Manufactured after 2015-10-23:

	SSC 3/1	+12V	blu					
	...	IAC1	vio	IAC branching from the near-branch (close to EC36 ~where ign and inj)				170
	...	IAC2 / ...	grn					

	SSC3/2	+12V	blu					
		Strig VVTI/1	black					
	...	Strig VVTI/2	grn	VVTI (Vanos) branching from the remote end (far away from EC36)				190
	...	trig3 VVTI/1	pnk	Useful for other functions if less than 4 VVTI drivers are used (usually just 0-2)				
	...	trig3 VVTI/2	vio					

SSC3/3 GND