

VEMS V3.9AAN

Triggers. Set up during manufacturing. This document is normally not needed for installers.

This document might be useful (besides the related documents), if moving ECU to another engine with different type (custom trigger setup), or ordered standard type instead of special.

Normally **VR/Audittrigger** (=for factory trigger setup: primary trigger=VR ; secondary trigger=audittrigger which involves a crankhome-VR and a cam-HALL signal).

If you need **HALL / HALL** (for custom setup), order with „nonstandard HALL/HALL trigger” in the ordercomment.

Related documents, URL-s:

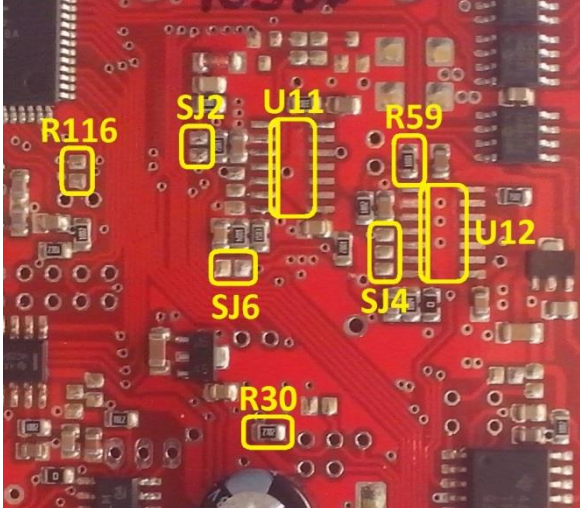
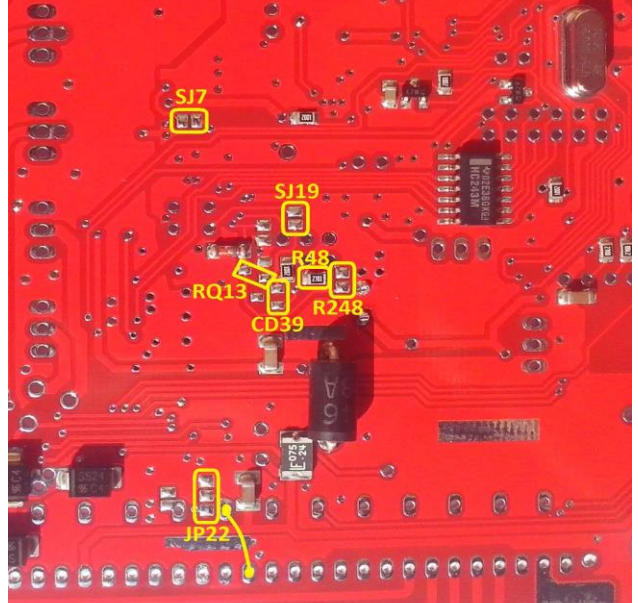
- <http://vems.hu/download/v3/Motronic55/Audi/>
- <http://www.vems.hu/wiki/?page=GenBoard/VerThree/Schematic>
- <http://www.vems.hu/wiki/?page=GenBoard%2FManual%2FInputTriggerHardWare>

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This document is provided as is. Information might not be completely accurate, or might change without notice.

Triggers

HALL / HALL trigger

	
<p>for Primary Trigger Hall:</p> <ul style="list-style-type: none"> • SJ2 close • R30 piggyback 4k7 • SJ6 open <p>for Secondary Trigger Hall:</p> <ul style="list-style-type: none"> • SJ4 open 	<ul style="list-style-type: none"> • RQ13 populate 0R • JP22 (if present) middle+bottom close • CD39 populate 1nF • R48 populate 2k7 • SJ7 open • SJ19 open • R248 remove if soldered • Populate yellow wire • Remove extra wires (brown, green, light blue) of VR/Audi trigger (page 3)

JPT55/

- pin 8:** Secondary trigger (Hall)
- pin 47:** Primary trigger(Hall)
- pin 48:** +5V instead of GND!
- pin 49:** NC

VR/Audi trigger:

<ul style="list-style-type: none"> • Populate U11, U12 (LM1815) <p>for Primary Trigger Vr:</p> <ul style="list-style-type: none"> • SJ2 open • Check R30 = 27k • SJ6 close <p>for Secondary Trigger Audi:</p> <ul style="list-style-type: none"> • Unpopulate R116 • Check R59 = 1k • SJ4 middle+bottom close 	<ul style="list-style-type: none"> • SJ7 close • SJ19 close • Populate Q13 = BC817 • Populate CD39 = 1nF • Populate R248 = 2k7 • R48 remove if soldered • JP22 middle+top close • Populate brown, green, light blue extra wires • Remove extra wire (yellow) of Hall/Hall trigger (page 2)