

#### **Signal in Connection**

1 If supplied bolt the knock sensor the suitable place on the block and torque to 8 to 10 ft-lb

2.Plug in the signal cable and route the shortest path to KnocksenseMS. Avoid ignition cables.

3. Else wire the supplied signal cable directly to the knock signal cable in the harness. Center conductor to center conductor and shield to shield.

4. Trim off the excess cable and connect to KnocksenseMS. Make sure that the braid strands do not short out the signal.

5

## SIGNAL CABLE FROM 5v 0v 5v 0v

### Signal out Connections

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1. For Megasguirt Extra knock control refer to: http://megasquirt.sourceforge.net/extra/index.html http://megasguirt.sourceforge.net/extra/knock.html Ignore the circuit diagram there and just connect Tim wire to JP1 Pin 5 on MS board.

2. MegaLogViewer can display knock events in terms of degrees of timing retardation.

3. For recording knock events on a data logger insert a provided jumper across the two pins on the PC board.

For testing purposes KnocksenseMS can be powered with a 9V battery.

3

#### **HOOKUP - GENERAL**

To attach a wire to the terminal block insert flat end of the tool provided or a SMALL (.09") flat screwdriver in the slot above the entry and lift up. The wire entry will open. Insert the wire and release the tool.

#### INSTALLATION

Instal the unit under the dash, never in the engine compartment. Leave the lid off until it is set up. It is light enough to be tied to the harness afterwards.

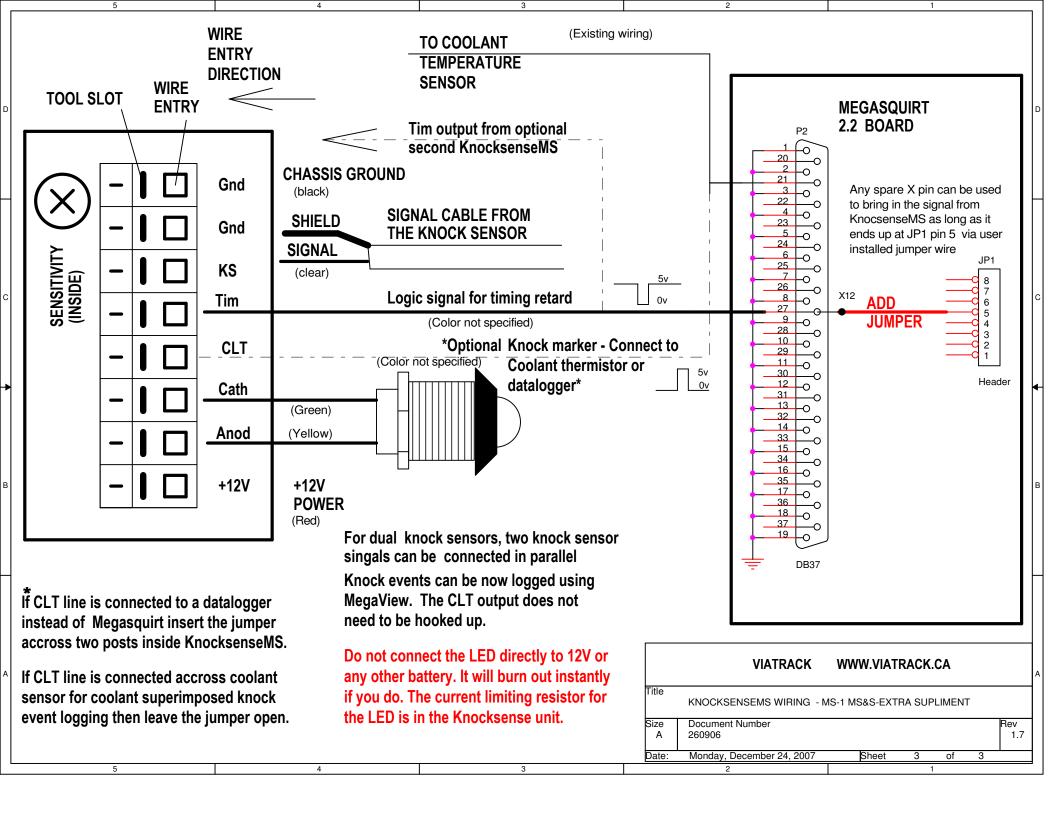
#### SETUP

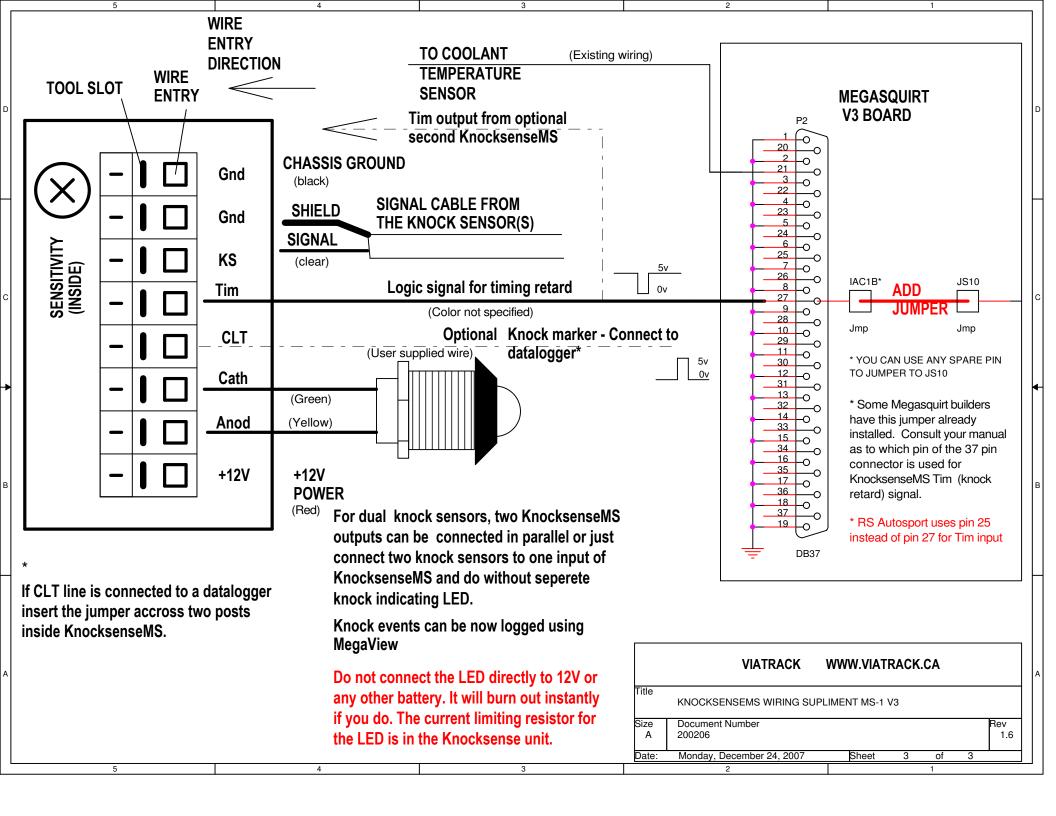
With engine at idle rotate the blue sensitivity knob CCW until the LED just comes on. You may need to blip the throttle.

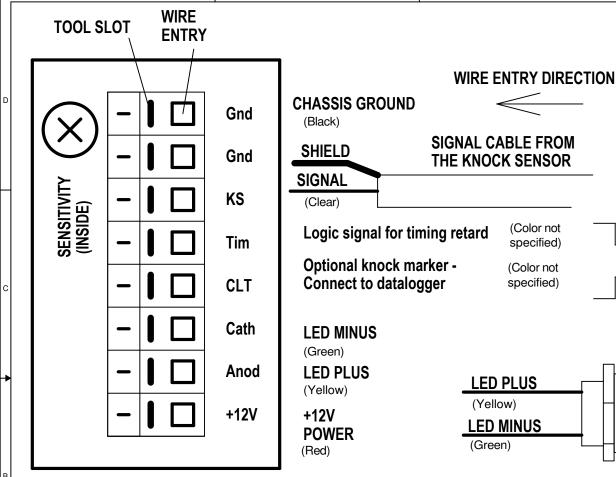
Rotate CW about 15 to 20 degrees. The LED will be out but will flash if the knock is detected.

You can trim the sensitivity to your preference.

	VIATRACK	WWW.VIATRACK.CA	
Title	KNOCKSENSEMS WIRING MS	-1	
Size A	Document Number 270606		Rev 1.8
Date:	Monday, December 24, 2007	Sheet 1 of	1
	2	1	







#### **Signal in Connection**

1 If supplied bolt the knock sensor the suitable place on the block and torque to 8 to 10 ft-lb

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3. Else wire the supplied signal cable directly to the knock signal cable in the harness. Center conductor to center conductor and shield to shield.

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# 5v 5v

#### Signal out Connections

4

1. For Megasguirt Extra knock control refer to: http://megasquirt.sourceforge.net/extra/index.html http://megasguirt.sourceforge.net/extra/knock.html Ignore the circuit diagram there and just connect Tim wire to JS10 on V3 board.

2. MegaLogViewer can display the action on knock events the MS took in deegrees of timing retard. This is the preffered method of logging knock events.

For testing purposes KnocksenseMS can be powered with a 9V battery.

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#### **HOOKUP - GENERAL**

To attach a wire to the terminal block insert flat end of the tool provided or a SMALL (.09") flat screwdriver in the slot above the entry and lift up. The wire entry will open. Insert the wire and release the tool.

#### INSTALLATION

Instal the unit under the dash. never in the engine compartment. Leave the lid off until it is set up. It is light enough to be tied to the harness afterwards.

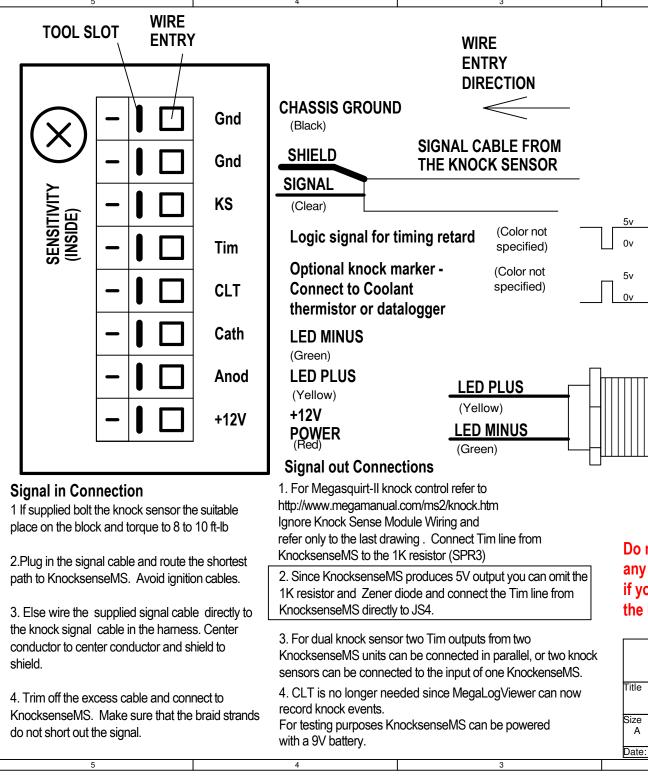
#### SETUP

With engine at idle rotate the blue sensitivity knob CCW until the LED just comes on. You may need to blip the throttle.

Rotate CW about 15 to 20 degrees. The LED will be out but will flash if the knock is detected.

You can trim the sensitivity to your preference.

	VIATRACK	WWW.VIATRACK.CA	
Title	KNOCKSENSEMS WIRING MS	1 V3	
Size A	Document Number 200206	F	Rev 1.7
Date:	Monday, December 24, 2007	Sheet 3 of 3	
	2	1	



#### HOOKUP - GENERAL

To attach a wire to the terminal block insert flat end of the tool provided or a SMALL (.09") flat screwdriver in the slot above the entry and lift up.The wire entry will open. Insert the wire and release the tool.

#### INSTALLATION

Instal the unit under the dash, never in the engine compartment. Leave the lid off until it is set up. It is light enough to be tied to the harness afterwards.

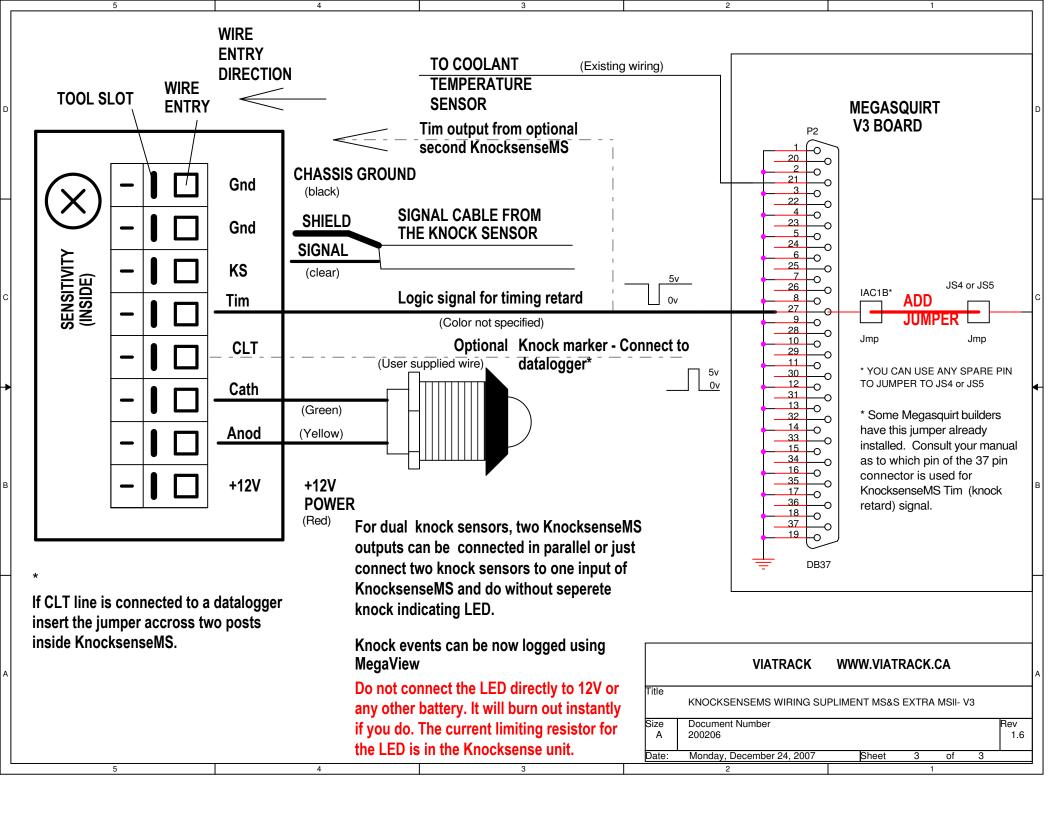
#### SETUP

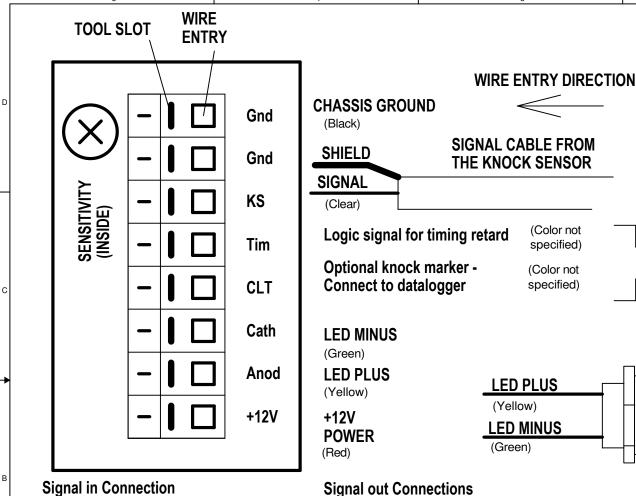
With engine at idle rotate the blue sensitivity knob CCW until the LED just comes on. You may need to blip the throttle.

Rotate CW about 15 to 20 degrees. The LED will be out but will flash if the knock is detected.

You can trim the sensitivity to your preference.

	VIATRACK	WWW.VIATRACK.CA	ļ
Title	KNOCKSENSEMS WIRING - B	&G MS-II	
Size A	Document Number 2704006		Rev 1.4
Date:	Monday, December 24, 2007	Sheet 3 of 3	
	2	1	





ref:

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3. Else wire the supplied signal cable directly to the knock signal cable in the harness. Center conductor to center conductor and shield to shield.

4. Trim off the excess cable and connect to KnocksenseMS. Make sure that the braid strands do not short out the signal.

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1. For Megasquirt2 Extra V3 ConnectTim output wire to JS4 or JS5 on V3 board. http://www.msextra.com/ms2extra/MS2-Extra\_general.htm#features

2. MegaLogViewer can display the action on knock events the MS took in deegrees of timing retard. This is the preffered method of logging knock events.

For testing purposes KnocksenseMS can be powered with a 9V battery.

3

#### **HOOKUP - GENERAL**

To attach a wire to the terminal block insert flat end of the tool provided or a SMALL (.09") flat screwdriver in the slot above the entry and lift up. The wire entry will open. Insert the wire and release the tool.

#### INSTALLATION

Instal the unit under the dash. never in the engine compartment. Leave the lid off until it is set up. It is light enough to be tied to the harness afterwards.

#### SETUP

5v

With engine at idle rotate the blue sensitivity knob CCW until the LED just comes on. You may need to blip the throttle.

Rotate CW about 15 to 20 degrees. The LED will be out but will flash if the knock is detected.

You can trim the sensitivity to your preference.

	VIATRACK	WWW.VIATRACK.CA	A
Title KNOCKSENSEMS MS&S EXTRA WIRING MSII-V3			
Size A	Document Number 200206		Rev 1.7
Date:	Monday, December 24, 2007	Sheet 3 of 3	
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