

Applying Multiple Calibration Changes at Once

The “Proposed Values” feature in VISION enables performing a variety of changes to the calibration (while online) and then implementing the changes at the same time.

Working with Proposed Values

1. Verify the Proposed Values are displayed by right-clicking in the Table Grid and selecting “Show Values -> Proposed” from the context menu or press the “Ctrl + R” keys.

egr map 2
Range - Min: 0 Max: 10
X: rpm_1 [RPM] Y: ad_lim [mg/Stroke] Z: egr_dmd2 [mm]

Y \ X	400	790	1000	1200	1750	2000	2300
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.00	4.50	4.50	4.50	1.57	1.27	1.01	0.00
10.00	3.50	3.50	2.50	0.81	0.60	0.50	0.00
12.50	3.16	2.69	<u>2.28</u>	2.00	2.00	1.80	1.70
15.00	0.00	4.00	<u>4.00</u>	3.80	2.80	2.60	2.50
17.50	0.00	3.00	3.00	2.70	2.60	2.60	2.50
20.00	0.00	2.30	2.30	2.50	2.30	2.30	2.20
22.50	0.00	2.20	2.20	2.50	2.50	2.50	2.50
25.00	0.00	2.00	2.00	2.50	2.50	2.50	2.50

Dbi Click to View Table [timing_mult]

Range - Min: 0 Max: 1

Name	Value	Units	Proposed
bulb_check_tim	576	ms	576
crnk_to_stp_rpm	31	RPM	31
eng_stall_rpm	451	RPM	451
axle_ratio	5.130	Ratio	5.130
timing_adder	0.00	*BTDC	0.00
timing_mult	0.88	*BTDC	0.88
tire_size	743	Rev/Mile	743
vbatt_sf	0.0020	Volts/ADC	0.0020

Note: Viewing the Base Values and actual (running) values can be selected in the same manner. In addition, Proposed Values are underlined, making them easy to identify.

Range - Min: 0 Max: 10
X: rpm_1_21089426 [RPM] Y: ad_lim_2111763371 [mg/Stroke] Z: egr_dmd3 [mm]

Y \ X	400	790	1000	1200	1750	2000	2300	2800	3200	3500	3900	420
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4.0	5.80	5.00	2.34	1.73	1.12	0.50	0.00	0.00	0.00	0.00	0.00	0.0
10.0	8.50	8.00	0.75	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
12.5	9.44	10.00	2.10	2.10	2.00	0.40	0.00	0.00	0.00	0.00	0.00	0.0
15.0	0.00	6.00	4.20	3.67	3.62	2.50	2.07	1.84	0.00	0.00	0.00	0.0
17.5	0.00	6.00	3.13	2.37	2.42	1.86	0.00	0.00	0.00	0.00	0.00	0.0
20.0	0.00	4.00	3.98	3.89	2.65	2.28	0.00	0.00	0.00	0.00	0.00	0.0
22.5	0.00	4.00	3.62	3.32	2.95	2.00	0.00	0.00	0.00	0.00	0.00	0.0
25.0	0.00	5.00	3.27	2.94	2.85	1.06	0.00	0.00	0.00	0.00	0.00	0.0
30.0	0.00	6.00	2.91	2.55	1.79	1.00	0.00	0.00	0.00	0.00	0.00	0.0
33.0	0.00	6.00	2.45	1.80	1.23	0.63	0.00	0.00	0.00	0.00	0.00	0.0
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

map 0.0 Kpa
pedal_position 0.0 percent
engine_temp -40.0 °C
axle_ratio 5.130 Ratio
bulb_check_tim 512 ms
crnk_to_stp_rpm 30 RPM
default_gear 1 Gear #
egr_add 0.00 mm
egr_mit 1.00 n/a
eng_stall_rpm 451 RPM
mil_enal 0.00
timing_adder 0.00 *BTDC
timing_mult 0.88 *BTDC
tire_size 743 Rev/Mile
vbatt_sf 0.0020 Volts/ADC



Range - Min: 0 Max: 10
X: rpm_1_21069426 [RPM] Y: ad_lim_2111763371 [mg/Stroke] Z: egr_dmd3 [mm]

Y \ X	400	790	1000	1200	1750	2000	2300	2800	3200	3500	3900	420
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4.0	5.80	5.80	5.00	2.34	1.73	1.12	0.50	0.00	0.00	0.00	0.00	0.0
10.0	8.50	8.50	6.41	1.20	0.90	0.75	0.50	0.00	0.00	0.00	0.00	0.0
12.5	9.44	10.00	6.59	2.80	2.50	2.10	2.10	2.00	0.40	0.00	0.00	0.0
15.0	0.00	6.20	5.80	5.00	4.80	4.20	3.67	3.62	2.50	2.07	1.84	0.0
17.5	0.00	6.00	6.00	6.00	6.00	4.80	4.00	3.13	2.37	2.42	1.86	0.0
20.0	0.00	4.80	5.10	5.85	6.00	6.00	5.00	3.98	3.89	2.65	2.28	0.0
22.5	0.00	4.80	5.00	5.50	6.10	5.50	4.50	3.62	3.32	2.95	2.00	0.0
25.0	0.00	5.29	4.50	4.20	4.00	3.80	3.83	3.27	2.94	2.85	1.06	0.0
30.0	0.00	6.50	5.00	4.35	4.10	3.55	3.23	2.91	2.55	1.79	1.00	0.0
33.0	0.00	6.50	6.50	5.16	4.47	4.05	2.83	2.45	1.80	1.23	0.63	0.0
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

map	0.0	Kpa
pedal_position	0.0	percent
engine_temp	-40.0	°C
axle_ratio	5.130	Ratio
bulb_check_tim	512	ms
crnk_to_stp_rpm	30	RPM
default_gear	1	Gear #
egr_add	0.00	mm
egr_mit	1.00	n/a
eng_stall_rpm	450	RPM
mil_enable	0	n/a
timing_adder	0.00	BTDC
timing_mult	1.00	BTDC
tire_size	743	Rev/Mile
vbat_st	10.0000	Volts/ADC
act_transfer_fun...	200	°C
driver_fuel_dem...	40.000	mg/Stroke
egr_dmd0	10.00	mm
pump_temp	100.0	°C

2. Edit the Proposed Values for the desired calibration parameters.

Range - Min: 0 Max: 10
X: rpm_1_21069426 [RPM] Y: ad_lim_2111763371 [mg/Stroke] Z: egr_dmd3 [mm]

Y \ X	400	790	1000	1200	1750	2000	2300	2800	3200	3500	3900	420
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
4.0	5.80	5.80	5.00	2.34	1.73	1.12	0.50	0.00	0.00	0.00	0.00	0.0
10.0	8.50	8.48 ▼	6.38 ▼	1.20	0.90	0.75	0.50	0.00	0.00	0.00	0.00	0.0
12.5	9.44	9.95 ▼	6.57 ▼	2.80	2.50	2.10	2.10	2.00	0.40	0.00	0.00	0.0
15.0	0.00	6.15 ▼	5.79 ▼	5.00	4.80	4.20	3.67	3.62	2.50	2.07	1.84	0.0
17.5	0.00	5.98 ▼	5.97 ▼	6.00	6.00	4.80	4.00	3.13	2.37	2.42	1.86	0.0
20.0	0.00	4.77 ▼	5.08 ▼	5.85	6.00	6.00	5.00	3.98	3.89	2.65	2.28	0.0
22.5	0.00	4.77 ▼	4.98 ▼	5.50	6.10	5.50	4.50	3.62	3.32	2.95	2.00	0.0
25.0	0.00	5.30 ▲	4.47 ▼	4.20	4.00	3.80	3.83	3.27	2.94	2.85	1.06	0.0
30.0	0.00	6.57 ▲	4.98 ▼	4.35	4.10	3.55	3.23	2.91	2.55	1.79	1.00	0.0
33.0	0.00	6.54 ▲	6.46 ▼	5.16	4.47	4.05	2.83	2.45	1.80	1.23	0.63	0.0
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0

map	0.0	Kpa
pedal_position	0.0	percent
engine_temp	-40.0	°C
axle_ratio	5.137	Ratio
bulb_check_tim	64	ms
crnk_to_stp_rpm	24	RPM
default_gear	1	Gear #
egr_add	0.12	mm
egr_mit	0.63	n/a
eng_stall_rpm	480	RPM
mil_enable	1	n/a
timing_adder	-0.13	BTDC
timing_mult	0.50	BTDC
tire_size	743	Rev/Mile
vbat_st	10.0000	Volts/ADC
act_transfer_fun...	200	°C
driver_fuel_dem...	40.000	mg/Stroke
egr_dmd0	10.00	mm
pump_temp	100.0	°C
vbatt_cnts	0	counts

3. Press the “F11” key to apply the Proposed Value(s).

Alternate Methods:

- Go to the “Project -> Proposed Values -> Apply All” in the menu.
- Click the “Apply Proposed” button () on the Project toolbar.

4. To return parameters to display Actual Values, right-click in the Table Grid and select “Show Values -> Actual” from the context menu or press the “Ctrl + E” keys. In a data list, you can select all effected parameters before performing either option above to change them all back at once.

For additional questions, contact ATI support at support@accuratetechnologies.com.

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