

PROSPORT ANALOG WIDEBAND AIR/FUEL RATIO GAUGE

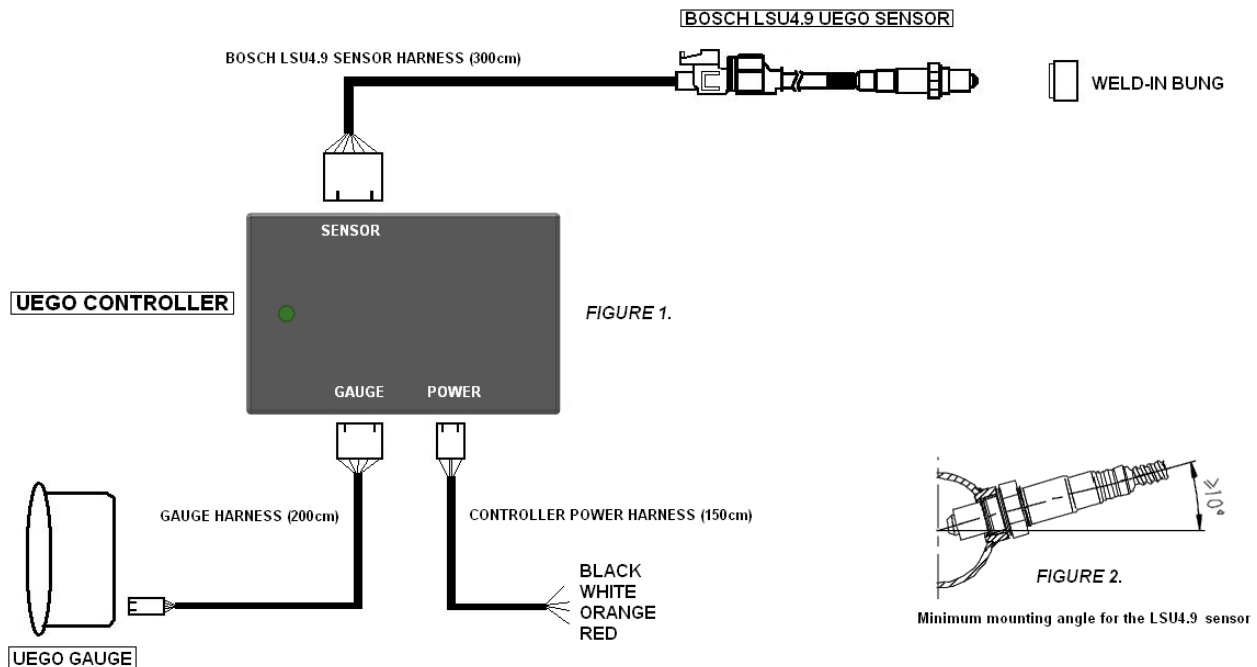
UEGO CONTROLLER INSTALLATION INSTRUCTIONS:

RED - BATTERY (+)

WHITE - 12V+ IGNITION SWITCH

BLACK - ENGINE GROUND(-)

ORANGE - DIMMER /CONNECT TO 12v HEADLIGHT TO ACTIVATE.



A WELD-IN M18 X 1.5 BUNG IS SUPPLIED FOR THE O₂ SENSOR INSTALLATION. MOUNT THE O₂ SENSOR IN THE EXHAUST SYSTEM AT LEAST 18 INCHES DOWNSTREAM FROM THE EXHAUST PORT. IF YOU ANTICIPATE HIGH EGT'S (OVER 1450 °F), RUN A TURBOCHARGER, RUN AT HIGH RPM FOR EXTENDED PERIODS OF TIME OR PLAN ON RUNNING LEADED RACE FUEL THEN YOU MUST MOUNT THE SENSOR AT LEAST 36 INCHES OR MORE DOWNSTREAM OF THE EXHAUST PORT AS ALL OF THESE CAN CAUSE THE SENSOR TO OVERHEAT. ON TURBOCHARGED ENGINES THE UEGO SENSOR MUST BE INSTALLED AFTER THE TURBO CHARGER, IF NOT, THE PRESSURE DIFFERENTIAL WILL GREATLY AFFECT THE ACCURACY OF THE UNIT. FOR ACCURATE READINGS, THE SENSOR MUST BE MOUNTED BEFORE CATALYTIC CONVERTERS AND/OR AUXILIARY AIR PUMPS. TO PREVENT COLLECTION OF LIQUIDS BETWEEN THE SENSOR HOUSING AND SENSOR ELEMENT DURNING THE COLD START PHASE, THE INSTALLATION ANGLE SHOULD BE INCLINED AT LEAST 10° FROM HORIZONTAL WITH THE ELECTRICAL CONNECTION UPWARDS, SEE ABOVE

(FIGURE 2)

Linearity Scale

VOLT	LAMBDA	GASOLINE AFR
0.00	0.683	10.00
0.16	0.705	10.32
0.31	0.725	10.62
0.47	0.747	10.94
0.62	0.768	11.24
0.78	0.790	11.56
0.94	0.811	11.8
1.09	0.832	12.18
1.25	0.854	12.50
1.40	0.874	12.80
1.56	0.896	13.12
1.72	0.918	13.44
1.87	0.939	13.74
2.03	0.960	14.06
2.18	0.981	14.36
2.34	1.003	14.68
2.50	1.025	15.00
2.65	1.045	15.30
2.81	1.067	15.62
2.96	1.087	15.92
3.12	1.109	16.24
3.28	1.130	16.54
3.43	1.152	16.86
3.59	1.173	17.18
3.74	1.194	17.48
3.90	1.216	17.80
4.06	1.236	18.10
4.21	1.258	18.42
4.37	1.280	18.74
4.52	1.301	19.04

4.68	1.322	19.36
4.84	1.343	19.66
4.99	1.356	19.98

1. CALIBRATION MODE:

PRESS THE BUTTON ON UEGO CONTROLLER FOR 3 SECONDS TO CALIBRATE THE CONTROLLER. WHEN THE NEEDLE LED IS FLASHING, THE CONTROLLER IS CALIBRATING.

2. SENSOR ERROR DIAGNOSIS:

WHEN THE FACEPLATE LED AND THE NEEDLE LED ARE FLASHING SIMULTANEOUSLY, THERE IS A SENSOR ERROR SIGNAL. PLEASE CHECK IF THE SENSOR IS DISCONNECTED OR DEFECTIVE.

3. ORIGINAL MANUFACTURE SETTING MODE:

PRESS THE BUTTON ON UEGO CONTROLLER FOR 8 SECONDS TO OPERATE THE ORIGINAL MANUFACTURE SETTING OF THE CONTROLLER. THE NEEDLE LED WILL FLASH FIRST. THEN THE FACEPLATE LED AND NEEDLE LED WILL BE OFF SIMULTANEOUSLY. AFTER THE LED LIGHTS ARE ALL OFF, THE ORIGINAL MANUFACTURE SETTING IS NOW PROGRAMMED.

4. SENSOR WARMING UP:

UEGO SENSOR NEEDS TO WARM UP FOR 30 SECOND EVERY TIME WHEN USING THE GAUGE OR AFTER OPERATING THE SETTING. WHEN UEGO SENSOR IS WARMING UP, THE BLUE PEAK LED /THE NEEDLE LED AND THE RED WARNING LED WILL BE FLASHING ALTERNATELY.

5. TO SET THE WARNING FEATURE

AFTER THE OPENING CEREMONY IS COMPLETE, PRESS AND HOLD THE BUTTON DOWN FOR APPROX 5 SECONDS UNTIL THE POINTER BEGINS TO BLINK.RELEASE BUTTON.PUSH AND HOLD BUTTON TO MOVE QUICKLY ACROSS THE SCALE OR TOGGLE BUTTON TO MOVE POINTER IN SMALL INCREMENTS.ONCE YOU HAVE THE POINTER WERE YOU WANT IT,WAIT 5 SECONDS TO "SET" AND POINTER WILL STOP BLINKING.

6. MUTE FEATURE

A.) WITH IGNITION KEY IN OFF POSITION, PRESS AND HOLD BUTTON, TURN IGNITION ON, WAIT FOR POINTER TO COME TO A REST THEN RELEASE BUTTON.

B.) TO TURN SOUND BACK ON-REPEAT STEP A.

7. PEAK RECALL

A.) PUSH BUTTON ONE TIME TO RECALL PEAK LEVEL.THE BLUE LIGHT WILL COME ON WHEN GAUGE IS IN RECALL MODE .THE POINTER WILL RISE TO THE HIGHEST LEVEL ATTAINED BY THE GAUGE AND REMAIN THERE APPROXIMATLEY 5 SECONDS.

B.) TO RESET PEAK LEVEL:WHILE IN PEAK MODE (BLUE LIGHT IS ON) PRESS AND HOLD BUTTON DOWN.

www.ProSportgauges.com