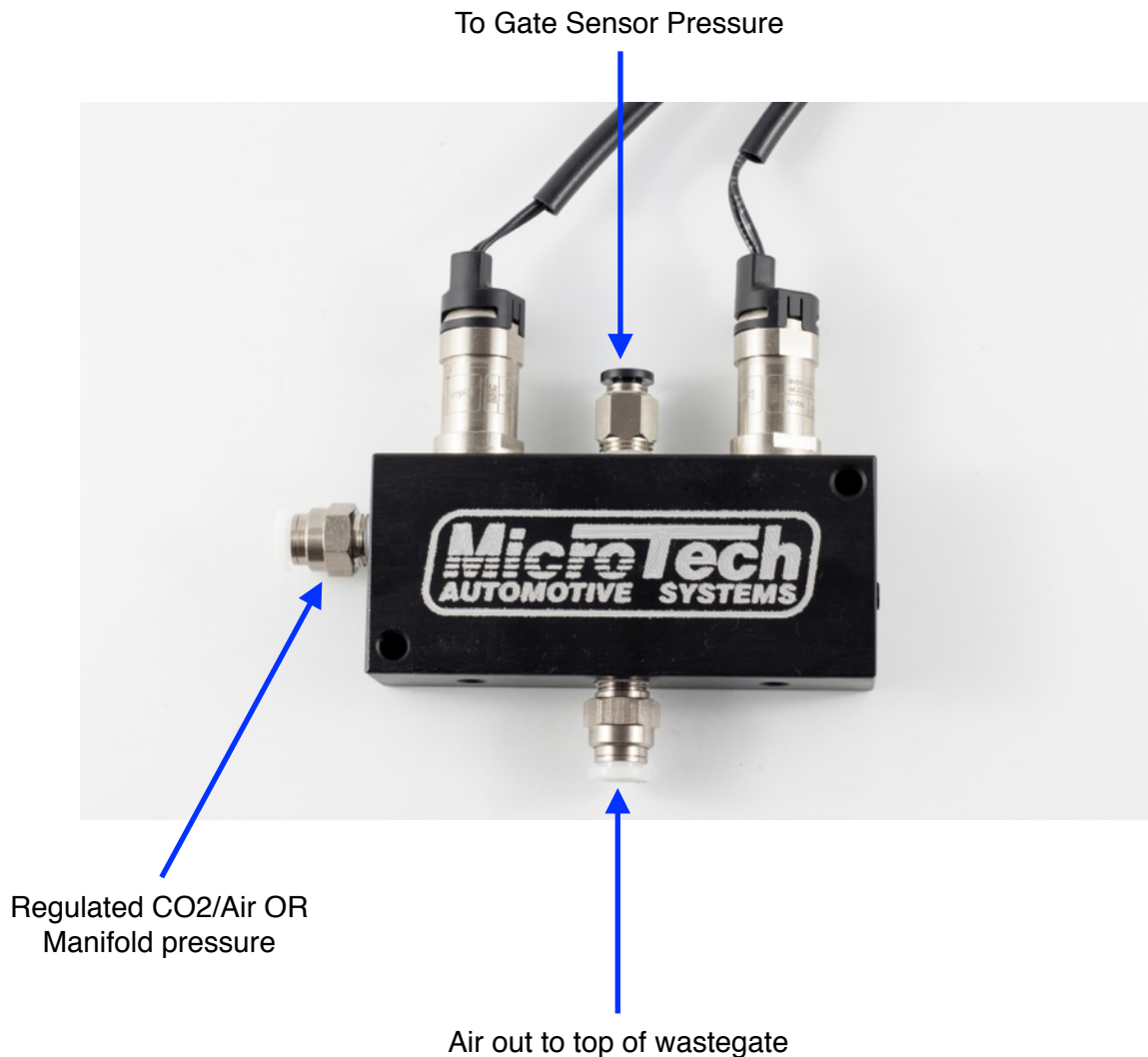
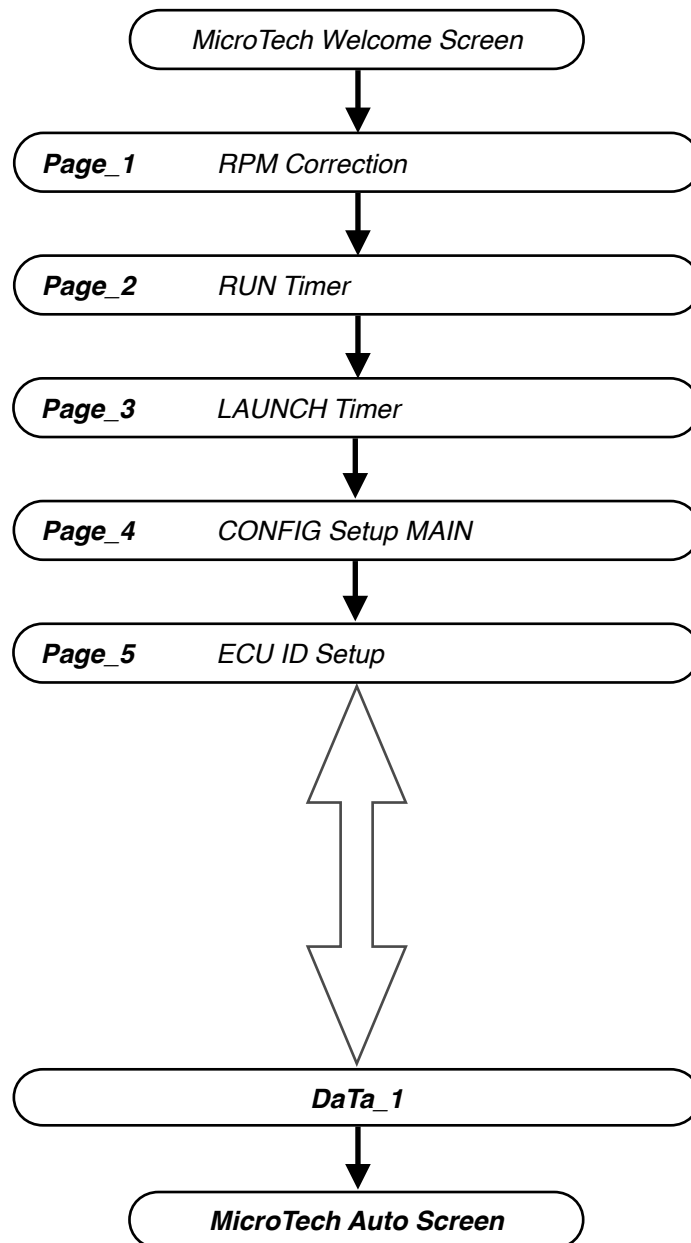




# ***Boost Control Quick Reference Guide***



# Boost Control Software Flow Chart



## Page\_1 RPM Correction

## Page\_2 RUN Timer

### RPM wide open throttle correction

RPMwot >3500

PSI +/- 00 mS

RPMwot 4000

PSI +/- 200 mS

RPMwot 4500

PSI +/- 400 mS

RPMwot 5000

PSI +/- 600 mS

RPMwot 5500

PSI +/- 800 mS

RPMwot 6000

PSI +/- 1.0 S

RPMwot 6500

Add or Subtract to main  
"Gate -> psi" pressure  
target setting via engine  
rpm. (On Page\_4  
CONFIG Setup)

PSI +/- 1.2 S

RPMwot 7000

PSI +/- 1.4 S

RPMwot 7500

NOTE - Ideal for back  
pressure compensation.  
Engine Cylinder number  
can be adjusted in  
Page\_4-08 Cylinder  
screen.

PSI +/- 1.6 S

RPMwot 8000

PSI +/- 1.8 S

RPMwot 8500

PSI +/- 2.0 S

RPMwot 9000

PSI +/- 2.2 S

RPMwot 9500

PSI +/- 2.4 S

RPMwot 10000

PSI +/- 2.6 S

RPMwot 10500

PSI +/- 2.8 S

RPMwot 11000

PSI +/- 3.0 S

Add or Subtract to main  
"Gate -> psi" pressure  
target.  
Run Timer is active when  
clutch input is released  
and Timer 2 delay has  
timed out (Page\_4-04  
Config setup).

**Page\_3 LAUNCH Timer**

**Page\_4 CONFIG Setup MAIN**

PSI +/- 00 mS

PSI +/- 100 mS

PSI +/- 200 mS

PSI +/- 300 mS

PSI +/- 400 mS

PSI +/- 500 mS

PSI +/- 600 mS

PSI +/- 700 mS

PSI +/- 800 mS

PSI +/- 900 mS

PSI +/- 1.0 S

PSI +/- 1.1 S

PSI +/- 1.2 S

PSI +/- 1.3 S

PSI +/- 1.4 S

PSI +/- 1.5 S

Add or Subtract to main  
"Gate -> psi" pressure  
target (CONFIG Setup).  
Timer is active when  
clutch input is released.

NOTE - Scale can be  
adjusted in Page\_4-09  
Timer screen.  
Factor x1 = 0 - 1.5  
seconds  
Factor x2 = 0 - 3 seconds

**Gate-> PSI**

MAIN Target Pressure  
which is applied to the top  
of the wastegate when  
engine is above 1500rpm.  
(This is not the actual  
manifold boost pressure.)

**Clutch PSI**

Target pressure which is  
applied to the top of the  
wastegate when clutch  
input is active and engine  
is above 1500 rpm. (This is  
not the actual manifold  
boost pressure.)

**Spring Pressure**

Waste gate spring pressure  
value

**Timer 2**

Time delay after clutch  
input released before "Run  
Timer" Page\_2 is active

**Spare 1**

Not Used

**Input1**

Pressure sensor type for  
input#1 (optional)

**Input2**

Pressure sensor type for  
input#2 (optional)

**Cylinders**

Select engine configuration  
cylinders for correct rpm  
reading.  
NOTE - Setting this to 0  
enables diagnostic  
checker. Unit will operate  
solenoids target pressure  
setting without a rpm input.  
NOTE - Setting this to 1  
enables ON/OFF  
operation. Unit will only  
operate when +12volt is  
applied to Tacho input wire.

**Timer**

Factor x1 = Time correction  
scale 0 - 1.5 seconds  
Factor x2 = Time correction  
scale 0 - 3 seconds

## Page\_5 ECU ID Setup

<b>PROG</b>	Standard or advanced programming type. (Factory default = standard.)
<b>E.C.U</b>	Enables configuration programming or lock boost editing
<b>Char1=g</b>  <b>Char2=B</b>  <b>Char3=o</b>  <b>Char4=o</b>  <b>Char5=s</b>  <b>Char6=t</b>  <b>Char7=1</b>  <b>Char8=</b>	<p>These screens allow you to give an 8-character name to your program; this is the name that appears in the ID screen when the boost controller is turned on. Naming a program makes identifying your different set-ups simple.</p> <p>To edit your program name scroll to the characters you wish to alter and use the ADJ buttons/up or down arrows to set the desired character. For example, to name a program "4cyl_tur", scroll to the Char1 screen, switch to program mode and use the up/down buttons to set the first character i.e.: "4". Now scroll right to the Char2 screen and set the second character, "c". Set the rest of the characters in the same way (Screens Char3 to Char8), then switch back to view mode. The name you have entered will now appear as the program description in the ID screen.</p>
<b>Pin#1</b>  <b>Pin#2</b>  <b>Pin#3</b>  <b>Pin#4</b>  <b>Pin#5</b>  <b>Pin#6</b>	<p>These screens allow you to set the 6-digit security number for the boost controller, and are set in the same ways as the Char screens (above). If all six of these screens are set to "0" (i.e. the PIN number = "000000"), the security lock features of the boost controller will be switched off.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;"><b>IMPORTANT NOTE: If you set a PIN number for your boost controller, make sure you write the number down keep it in a safe place as you will not be able to program your boost controller!</b></p> </div>

## ***DaTa\_1***

<b>Data 1_01</b>	Displays real time live data for - GaTe Target, GaTe Pressure, RPM value, Timer
<b>Data 1_02</b>	Displays real time live data for - Inlet (Input #1), Exh (Input #2), Battery volts, Timer
<b>Data 1_03</b>	Display LOG Minimum/maximum for Gate pressure & Exh (input #2) pressure
<b>Data 1_04</b>	Display LOG Minimum/maximum for R.P.M. & Battery volts

## ***MicroTech Auto Screen***

<b>Save to memCAL#1</b>	When the DASH is unlocked, the left/right arrows scroll through the program selection options. The DASH software has four memories called memCALs, which allow for the storage and retrieval of different set-ups. These memories are stored on a DASH memory chip. Note that these memories cannot be accessed, when DASH is locked.
<b>Save to memCAL#2</b>	
<b>Save to memCAL#3</b>	
<b>Save to memCAL#4</b>	
<b>LOAD memCAL #1</b>	The memCALs are accessed by using the left/right arrows to scroll to the desired memory area (memcal 1-4) then pressing the MODE button twice, e.g. pressing the MODE button twice when the display reads "Save to memCAL#3" would store the current settings in memCAL 3. While a program is saved or loaded, the display will read "Programming Please Wait". The memCALs can also be most useful for temporarily storing data while working on programs; if you want to try an adjustment but don't want to lose the data you already have, save your settings in one of the memCAL areas and it can be retrieved later if your adjustments don't work.
<b>LOAD memCAL #2</b>	
<b>LOAD memCAL #3</b>	
<b>LOAD memCAL #4</b>	
<b>*ReSET Settings*</b>	Factory Use Only

# Hose Connection Diagram

