

Smarty S-67 Software Levels #0 – #9

- SW# 0 : Half power
- SW# 1 : 30 Hp with raised Timing
- SW# 2 : “Soft” CaTCHER (Stock Timing)
- SW# 3 : Like # 2 + added Timing
- SW# 4 : Mild CaTCHER (Stock Timing)
- SW# 5 : Like # 4 + added Timing
- SW# 6 : CaTCHER (stock Timing)
- SW# 7 : Like # 6 + added Timing
- SW# 8 : Wild CaTCHER (stock Timing)
- SW# 9 : Like # 8 + added Timing

Important notice! All software's (except # 0) use a - **REDUCED TORQUE MANAGEMENT !**

This increases the off idle responsiveness of the engine greatly! Please be careful when you use these software's for the first time, especially the higher numbered ones.

Software number Zero.

About half the power of a stock software. Use it whenever reduced power is desired or when you have to make sure that NO SMOKE is produced .

Software number One.

30 Horsepower increase with additional timing.

Software number Two.

***60 horsepower increase without additional timing.

Software number Three.

60 horsepower increase with additional timing.

(Highest save level for a stock automatic transmission)

Software number Four.

***90 Horsepower increase without additional timing.

Software number Five.

90 Horsepower increase with additional timing.

(Highest save level for a stock clutch / Manual transmission)

Software number Six.

***130 Horsepower increase without additional timing.

Software number Seven.

130 Horsepower increase with additional timing.

Software number Eight.

***170 Horsepower increase without additional timing.

Software number Nine.

170 Horsepower increase with additional timing.

°° Do not use for prolonged high speed runs! Speeds exceeding approx 105Mph can result in high exhaust gas temperatures and damage the Diesel Particulate Filter (DPF) !!!

*** All even numbered software's (2-4-6-8) without added timing are to be used for stacking with other after market power adding devices that also add their own timing. NO additional timing has to be used with the odd numbered software's (1-3-5-7-9)! Severe engine damage will result!!!!

Tuning instructions for the *REVO*lution software

We provide you a whole new tuning concept with a handheld performance tuner.

For the first time the Cummins engine performance tuning software can now be customized by the customer.

The *REVO*lution starts here!

If you prefer Smarty's default software configuration, simply skip the "Adjust Options" menu and choose the CaTCHER level you prefer. If you want to change the default setting of any (or all...) of the customizable items, you can enter the "Adjust Options" menu, navigate with the ">" and "<" keys to the item you want to customize and enter your choice. Done! Smarty will do the rest. Once the end of the item list is reached, Smarty will store your selections in its memory. In this way, your preferred selections will be applied every time you program your truck. As a simple example, if you set the Speed-limiter to "100", Smarty will always use that value for all ECM updates, until you change the value again or return the truck back to stock. When you enter the "ECM update" menu you will find the chapter: "Adjust Options". Once entered, this menu allows you to choose among following items and levels of customization.

Speed-limiter:

From 25 to 250 mph in one mile increments

Torque Management:

0 - Default

1 - Stock

2 - Mild

3 - Moderate (after market clutch / AT Transmission recommended!)

4 - Wild (after market clutch / AT Transmission NEEDED!)

Then higher the # you choose then less torque management remains and then more aggressive the throttle response becomes. Attention! ANY level above the default # 2 one WILL damage a stock automatic transmission / clutch!!!

Injection Timing:

0 - Default

1 - Stock

2 - mild

3 - moderate (more timing advance than # 2)

4 - aggressive (more timing advance than level # 3)

The odd numbered SW's (1,3,5,7 & 9) use the advanced timing and the even numbered SW's (2,4,6 & 8) use the stock timing.

This is only true if you do not adjust the options! With the Revo you can choose ANY timing you want, no matter if the Catcher you'll download is odd or even! You CAN, add timing to the software's that have none, or use the stock timing in the odd # ones. Your pleasure.... By definition for all adjustable options the default is # 2. EXCEPT for the timing. The timing has two defaults. # 1 for the even numbered SW's (stock timing) # 2 for the odd numbered SW (advanced timing). To avoid confusion and to help the customer in returning all levels to default (if need be), key # 0 is used to return Smarty back to the default levels. This is most important for the timing. When Smarty is set back to default with key # 0, the even numbered software's will use the stock timing and the odd numbered ones the advanced timing.

Rail pressure:

0 - Default

1 - Stock

2 - Mild

3 - Moderate*

4 - Wild* (after market injectors are a MUST)

* In order to avoid damage to the injection system, do not use for prolonged time.