


Transmission Settings



Transmission Configuration

Gears	6	
Converter Stall Speed	1300	(RPM)
Maximum Speed	200	(Kph)
Speed Sensor Pulses/RPM	6	
Lockup TPS High	100	(%)
Lockup TPS Low	0	(%)
Shift Solenoids	5	
Duty Control Solenoids	3	
Transferbox Ratio	40	(%)
Oil Temp Graph Count	1	

Gears – This setting tells the software how many forward gears are allowed for the specific Map. The user may select any number up to the maximum number of gears for that specific transmission. This is handy for low range or towing where you do not want to engage overdrive or too high gear.

Converter Stall Speed – This setting is used in some firmware programs to control the lockup minimum engage RPM's.

Maximum Speed – This setting is mainly used to adjust the maximum speed calibration of the analogue speedometer display.

Speed Sensor Pulses / RPM – This setting is the number of pulses per one prop shaft revolution received from the Speed sensor. It is used for correct speedometer calculation in conjunction with the Speedometer Calibration value. You may see this as a course adjustment but the main advantage is that uneven pulses may be used like a 36-1 gear where you would then use a value of 35 pulses. For finer calibration you need to adjust the speedometer calibrate at the sensor settings page. This signal is a critical setting which means it is saved separate from the 4 maps. It can only be calibrated in MAP 1 and does not change when other maps are loaded in the TCU. The Clone function will alter this calibration to the Clone map.

Lockup TPS Low – When the TPS value drop below this setting in %, the lockup will be disengaged. This will smooth the down shifting of the Transmission. This features can be set 0% and 100% to deactivate it if you require the lockup to stay on.

Lockup TPS High – When the TPS value rise more than this setting in %, the lockup will be switched disengaged. This will protect the TCC with hi torque engines. This features can be set 0% and 100% to deactivate if you require the lockup to stay off or on.

Shift Solenoids – This setting tells the software how many shift solenoids the transmission has. In most firmware programs this setting is forced and cannot be changed.

Duty Control Solenoids – This setting tells the software how many control solenoids the transmission has. In most firmware programs this setting is forced and cannot be changed.

Transfer Box Ratio – This setting tells the software what the transfer gearbox ratio is so that when low range is selected the speed settings on the gear profiles can be adjusted. This signal is a critical setting which means it is saved separate from the 4 maps. It can only be calibrated in MAP 1 and does not change when other maps are loaded in the TCU. The Clone function will alter this calibration to the Clone map.

Oil Temp Graph Count – This setting tells the software how many oil temperature graphs is active. In most firmware programs this setting is forced and cannot be changed.