



**TranZformer Shift Kit Modes of Operation** For Firmware Version 1.4.0 - 012015

**2005-2010:**

Mode	Action	Comments
Turn shift kit function on/off	Press ESP button twice within 2 seconds	Chimes will "beep" once for off, twice for on. EVIC displays "TFZ Off" or TFZ on"
Steering Wheel Shifting	Use volume +/- buttons to shift	Car must be placed in Autostick using floor shifter first, or "full time SWS" checkbox checked in ZPU utility.
Enable/Disable Steering Wheel Shifting	Volume + and page up at same time Volume - and page down at same time	Up buttons enable SWS, down buttons disable. "SWS on" or "SWS off" will show in EVIC display.
Set Autoupshift RPMs	Press cruise stalk in (on/off) and use steering wheel volume buttons. Or push cruise stalk in and up/down. Or Hi beam stalk forward and cruise up/down. Car must be in Park, Reverse or Neutral.	Tach will move to set RPM. EVIC will display "AUS: xxxx" for set RPM
Set Upshift shift strength in Drive	Press cruise stalk in (on/off) and use steering wheel volume buttons. Or push cruise stalk in and up/down. Or Hi beam stalk forward and cruise up/down. Car must be Drive.	Tach will move to relative shift pressure (ORPM = 0%, max RPM = max pressure). EVIC will display "TZ A: xx" where xx is the shift strength.
Set Upshift shift strength in Autostick	Press cruise stalk in (on/off) and use steering wheel volume buttons. Or push cruise stalk in and up/down. Or Hi beam stalk forward and cruise up/down. Car must be AutoStick.	Tach will move to relative shift pressure (ORPM = 0%, max RPM = max pressure). EVIC will display "TZ A: xx" where xx is the shift strength.
Line Lock Mode	Push cruise stalk forward while in AutoStick 1 and car stopped.	"LineLock" will show on EVIC. Press and release brake pedal for holding power. Release stalk to take off.

Burnout Mode	Pull cruise stalk (down in 2008+) while in AutoStick 1 and car stopped.	"Burnout" will show on EVIC. ABS pump will turn on. Release brakes. Release stalk or break traction to take off.
Launch Mode	Pull High beams while in AutoStick 1 and car stopped.	"Launch" will show on EVIC. Press and release brake pedal for holding power. Release stalk to take off.
Peak RPMs	Press in cruise stalk and press "north" button to scroll modes	"PeakRPM" will show on EVIC, then the RPM of every shift will display.
0-30 timer	Press in cruise stalk and press "north" button to scroll modes	"0-30" will show in EVIC. When car stooped, will show "start 30". Then once car is moving, will change to "go to 30". Once speed is reached, elapsed time will display until car is again stopped. Test will start again once car moves.
0-60 timer	Press in cruise stalk and press "north" button to scroll modes	Same as 0-30 mode above, except it's 0-60.
1/8 Mile timer	Press in cruise stalk and press "north" button to scroll modes	Same as 0-30 mode above, except it's 1/8 Mile.
1/4 Mile timer	Press in cruise stalk and press "north" button to scroll modes	Same as 0-30 mode above, except it's 1/4 Mile.
Transmission Temperature Display	Press in cruise stalk and press "north" button to scroll modes	"TransTemp" will show on EVIC, followed by "AT: xxxF" where xxx is the transmission temperature in Fahrenheit. Also transmission temperature is pushed to the cluster engine temperature gauge whenever setting Autoupshift RPMs or shift pressures. Center of range is 160F.
Transmission Status Display	Press in cruise stalk and press "north" button to scroll modes	"TranStat" will show on EVIC, followed by "G:x T:y" where x is the current gear and y is the Tourque Converter Clutch status. U means Unlocked, P means Partial apply, and L means Locked.
Change Parameters	Press in cruise stalk and press "north" button to scroll modes	Once "Adj SK?" shows on EVIC, continue to hold cruise stalk in, and press right arrow steering wheel button to scroll through settings.

		Change settings using volume buttons. Best if radio is off when in this mode.
TCM Adaptives Reset	Pull cruise stalk and high beams	“AdvRst” will show on EVIC screen. Chimes will beep 3 times. Best results if you turn off tranZformer and drive conservatively for 20 minutes so TCM relearns to firm up shifts on its own.
TCM Adaptives Kill	Pull cruise stalk and high beams for 3 seconds	“Adv Kill” will show on EVIC screen, and tach will move to max RPM for 6 seconds when this mode is turned on. When turned off, “ADV Norm” will show on EVIC, and tach will move to 0 RPM for 6 seconds.
Reset ESP system	Turn ignition to “start” while stopped and engine running in gear.	Will reset ESP system if it was fully disabled by NoESP, key trick, or ESP switch mod. This is essentially the compliment to the “key trick” – car moving over 5MPH while turning to “start” will disable ESP, car stopped while “start” will re-enable.
Aux output on/off	Pull cruise stalk (down on 2007+) and press page up/down buttons.	“AUX on”/ “Aux off” will show on EVIC. Aux output dry contact will turn on or off accordingly.
Reset CELs	With ignition OFF, Press in cruise stalk and “north” button to scroll to “rst CEL?”	Press right arrow to accept.

### **2011+ Challengers:**

Mode	Action	Comments
Turn shift kit function on/off	Press ESP button twice within 2 seconds	Chimes will “beep” once for off, twice for on. EVIC displays “TFZ Off” or TFZ on”
Steering Wheel Shifting	Use volume +/- buttons to shift	Car must be placed in Autostick using floor shifter first, or “full time SWS” checkbox checked in ZPU utility.
Enable/Disable Steering Wheel Shifting	Cruise + and page up at same time cruise - and page down at same time	Up buttons enable SWS, down buttons disable. “SWS on” or “SWS

		off" will show in EVIC display.
Set Autoupshift RPMs	Press cruise on/off and page up/down. Car must be in Park, Reverse or Neutral.	Tach will move to set RPM. EVIC will display "AUS: xxxx" for set RPM
Set Upshift shift strength in Drive	Press cruise on/off and page up/down. Car must be Drive.	Tach will move to relative shift pressure (ORPM = 0%, max RPM = max pressure). EVIC will display "TZ A: xx" where xx is the shift strength.
Set Upshift shift strength in Autostick	Press cruise on/off and page up/down. Car must be AutoStick.	Tach will move to relative shift pressure (ORPM = 0%, max RPM = max pressure). EVIC will display "TZ A: xx" where xx is the shift strength.
Peak RPMs	Press in cruise on/off stalk and press "play" button (right arrow) to scroll modes	"PeakRPM" will show on EVIC, then the RPM of every shift will display.
0-30 timer	Press in cruise on/off stalk and press "play" button (right arrow) to scroll modes	"0-30" will show in EVIC. When car stooped, will show "start 30". Then once car is moving, will change to "go to 30". Once speed is reached, elapsed time will display until car is again stopped. Test will start again once car moves.
0-60 timer	Press in cruise on/off stalk and press "play" button (right arrow) to scroll modes	Same as 0-30 mode above, except it's 0-60.
1/8 Mile Timer	Press in cruise on/off stalk and press "play" button (right arrow) to scroll modes	Same as 0-30 mode above, except it's 1/8 Mile.
1/4 Mile Timer	Press in cruise on/off stalk and press "play" button (right arrow) to scroll modes	Same as 0-30 mode above, except it's 1/4 Mile.
Transmission Temperature Display	Press in cruise on/off stalk and press "play" button (right arrow) to scroll modes	"TransTemp" will show on EVIC, followed by "AT: xxxF" where xxx is the transmission temperature in Fahrenheit. Also transmission temperature is pushed to the cluster engine temperature gauge whenever setting Autoupshift RPMs or shift pressures. Center of range is 160F.

Transmission Status Display	Press in cruise on/off stalk and press "play" button (right arrow) to scroll modes	"TranStat" will show on EVIC, followed by "G:x T:y" where x is the current gear and y is the Tourque Converter Clutch status. U means Unlocked, P means Partial apply, and L means Locked.
TCM Adaptives Reset	Pull cruise (-) and pull high beam stalk.	"AdvRst" will show on EVIC screen. Chimes will beep 3 times. Best results if you turn off tranZformer and drive conservatively for 20 minutes so TCM relearns to firm up shifts on its own.
Reset ESP system	Turn ignition to "start" while stopped and engine running in gear.	Will reset ESP system if it was fully disabled by NoESP, key trick, or ESP switch mod. This is essentially the compliment to the "key trick" – car moving over 5MPH while turning to "start" will disable ESP, car stopped while "start" will re-enable.