



LTZ-80-OBD-SCREEN

Operating Instructions

FOR 95+ 80 series Landcruiser and LX450's

Caution: This product is to be used as a reference only and the readings are not to be relied upon for accuracy. Lutz Auto is not responsible for any miscalibration or issues resulting from incorrect readings. The inclinometer function should only be used as a novelty item and should not be used for deciding whether to attempt any off-road maneuvers. The readings from the inclinometer may or may not be accurate and should not be relied upon. Do not operate the unit while driving. Operating this Multigauge screen while driving could lead to accidents and serious injuries. As with all other vehicle gauges or instruments, this unit should be used and viewed only when safe to do so. The automobile driver's attention should always be focused on safe driving.

Loading Screen

This screen shows on startup while the device connects to the OBDII dongle. If the unit fails to connect or the dongle is plugged in, the screen will timeout after about 30 seconds and continue without OBDII connection. Everything will function except for the OBD2 linked gauges. Connecting to the OBDII dongle takes about 5 to 10 seconds. If the Bluetooth is turned off using the settings menu, this screen will only show for 2 seconds on startup.



ADVANCED: This splash loading can be replaced with a custom image by placing the image on an SD card and inserting the SD card into the slot on the unit. The image must be 240x320 pixels size, must be Bitmap24 format, and must have file name "SPLASH". This is "SPLASH" not "SPLASH.bmp".

Main Gauge Screen

This screen shows 4 gauges at one time. Short-pressing each gauge will cycle to the next gauge. Long-pressing the top left or right corners will cycle to the various windows described below.

OBDII Linked Gauges:

1. Engine Speed - RPM
2. Coolant Temp - CLT
3. Intake Air Temp - IAT
4. MAF sensor reading - MAF
5. Engine Load - LOD
6. Vehicle Speed - SPD
7. Timing Advance - ADV
8. Throttle Position - TPS
9. Short Term Fuel Trim - FTS
10. Long Term Fuel Trim - FTL

RPM 5889	CLT 94C
IAT 25C	SPD 65Mph

Optional Extra Gauge Inputs (Gauge Kits Sold Separately):

1. Transmission Temp - TRANS
2. Oil Pressure - OIL
3. Exhaust Gas Temp - EGT
4. Boost - BST
5. 1 extra for possible expansion



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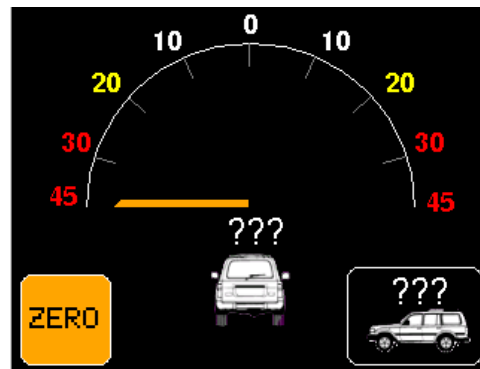
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Inclinometer

This unit is equipped with a built-in accelerometer which can be used as an inclinometer. The zero button is used to zero the gauge on level ground. The unit will remember the zero setting next time it starts.

Like the other main windows, long-pressing the top right or left corners will cycle to the next or previous window.

The inclinometer uses an acceleration sensor to detect orientation. This will make the reading high while turning at speed or accelerating and braking.



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Options Menu

The options menu will guide you to some other features and settings. The bottom right hand corner will show the software revision number.

Short pressing one of the boxes will take you to that particular window.

Like the other main windows, long-pressing the top right or left corners will cycle to the next or previous window.

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UPDATE	????????? ???????

Settings Menu

The setting menu is accessed from the Options menu above. Here you can turn Bluetooth On or Off, clear the Bluetooth sync, change the gauge units, and access the Calibrations and Extra Gauges Menu.

If Bluetooth is turned off, the unit will boot more quickly, but will not display any data associated with OBDII. Hardwired extra gauges will still work.

Press the exit button in the corner to exit this window.

SETTINGS		EXIT
F ° <input type="checkbox"/> C °	Bluetooth	
Mph <input type="checkbox"/> Kph	Off <input type="checkbox"/> On	
Psi <input type="checkbox"/> Kpa	CLEAR BT	
CALS & GAUGES	RELINK BT	



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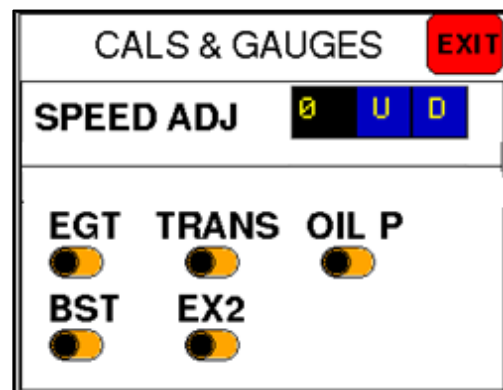
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Calibrations and Extra Gauges Menu

Speed adjust is used to calibrate vehicle speed read by the OBDII. This adjustment will only affect the gauge reading and will not affect the ECU's reading.

The toggle buttons at the bottom are used to turn on and off extra gauges and their associated features. Turning these gauges off will make it so that there is no evidence of their existence when scrolling through your multigauge. Only turn these on if you have the extra gauge kits wired up.

Press the exit button in the top right corner to exit this menu.



EGT & Boost

This window will be unlocked only if the EGT external gauge is turned on in the Calibrations and Extra Gauges Menu. This window will show after the inclinometer and before the Options Menu. Long-pressing the top left or right corners of the screen will cycle between windows.

