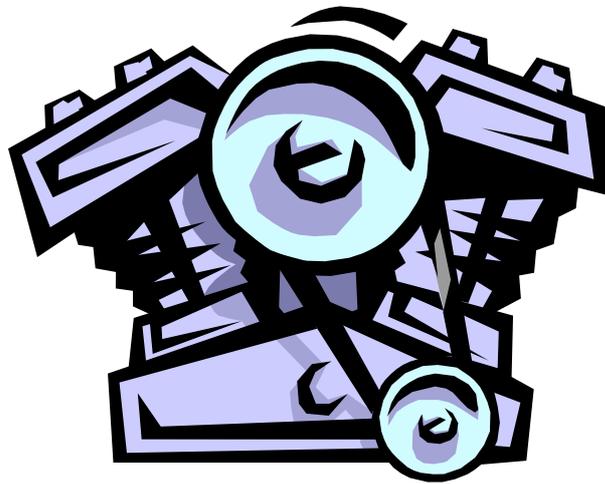


**Fitting a
Zongshen 125cc engine
into a
HONDA TRX90EX**



[es125zsc]

by Darrell Knight

FITTING A ZONGSHEN 125cc ENGINE [es125zsc] INTO A TRX90EX

That's it, I have finished fitting the Zongshen 125cc [es125zsc] engine into my Honda TRX90EX!!

The original 86cc engine has electric start same as Zongshen es125zsc engine. The starter motor itself was 'phased' differently and did not allow direct engine fitment without fouling on the carburetor. This was easily overcome by swapping the starter motors over.

Whilst the LHS side cover is off to get to the circlip on the starter motor gear, the Honda stator and wiring harness can also be directly swapped into the side case. This almost completely eliminates any need to swap other electrics.

The only other wiring that needs attention is the neutral light switch wire. This operates the neutral light but also the Honda will not start without it connected.

The Zongshen 5-wire plug basically has 1 wire for each gear position. The green and red striped wire is the neutral position switch wire. The colours are the same on the Honda. Join these two wires up and you are finished.

If (as a cautious parent) you are interested in retaining the top gear speed limiter that comes standard on the Honda, then locate the Zongshen top gear wire and connect it to the pink (Honda) wire to enable this function. All of these wires only provide an earth so trying to find the right one is fairly safe.

Tip: With the Honda key in the ON position, the Dash mounted 'neutral light' makes an ideal test light to correctly identify the wire for each gear while changing through the gear box.

The exhaust length is identical and everything else bolts straight up because (rarely) the barrel lengths are the same.

The standard Honda engine breather pipe (short) may need to be turned upside-down to fit the larger new engine hose fitting.

The brake lever requires a slight bend adjustment that can be done on the machine.

The 14-tooth front sprocket needs replacing with a 14-tooth 428 chain and unit. These are available through any Honda dealer as they also fit other models. (I think it was an XL185S and there were others).

With these instructions you now have a complete bolt in recipe.

I still require a full wiring diagram for the Zongshen engine as now I have all the different electrics on a useful Honda 90 engine.

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