

ECC Built Toyota Starlet 5E

Posted by John@ECC - 2011/09/15 01:03

This may be of interest to some of you. We were approached by a customer last year to build a drag specific Toyota Starlet but he wanted to keep to the 5E Cynos block. We used ECC spec Wiseco Pistons, Pauter rods, 0.6mm HG, ECC mounted Aeromotive mechanical fuel pump which was custom made to be driven off the cam wheel which is capable of 3600BHP on normal petrol or 1800BHP on methanol, 2000cc Injector dynamics injectors, GT30 turbo and custom manifold, custom ported head capable of 9000rpm, ECC custom cam and crank sensor pickups instead of distributor, ECC DRY NOS setup through the ecu, ECC built Dog Box etc. There was a lot of custom parts and development gone into this project.

504BHP @ 2.15 bar with no NOS. We are looking 2.5bar and NOS and high 500 to low 600BHP figures eventually with low 10 or high 9 quarter mile runs.

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/004-14.jpg>

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/006-12.jpg>

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/005-13.jpg>

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/007-9.jpg>

The latest handy work! Adding a crank trigger wheel for more accurate readings.

<http://i159.photobucket.com/albums/t126/ghut82/GT%20Build/Image001.jpg>

<http://i159.photobucket.com/albums/t126/ghut82/GT%20Build/Image002.jpg>

<http://i159.photobucket.com/albums/t126/ghut82/GT%20Build/Image003.jpg>

This was her a few days back, to give an idea of what it looked like going through MOT. New fuel Cell all fitted and plumbed in.

<http://i159.photobucket.com/albums/t126/ghut82/GT%20Build/FuelSystem3.jpg>

New fuel lines.

<http://i159.photobucket.com/albums/t126/ghut82/GT%20Build/FuelSystem2.jpg>

<http://i159.photobucket.com/albums/t126/ghut82/GT%20Build/Fuelsystem1.jpg>

A wee sneak peak of what the box sounds like inside the car, crap quality video but its only the dials anyway.

Odd thing though, about 1 min in there is what sounds like a voice in the video now it's kinda scary cause theres only one seat in the car and I was in it on my own! Can't figure out what it says though.

<http://www.youtube.com/watch?v=k3heYs6vd6w>

Had a fun day down at ECC today, got her mapped on Super Unleaded and a little bit of the methanol map done.

I've no charts at the moment, just a very poor quality video of a pull while running Methanol.

I'll try and get some dyno charts at some stage.

1.8bar on Super Unleaded made 402hp

1.3bar on Methanol made 414hp.

2.15 bar on Methanol with no NOS and clutch slip it made the below

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/2af30f29.jpg>

A bit below from the customer.

"Just off the phone to John there, she's not long off the dyno, mapped up to 2.4bar and turned the nitrous back from a 150shot to a 100shot.

Been a real pleasure having these fellas tune my car, not once when I walked into their garage with a weird idea or thought did they say it couldn't be done, they just did it and that was that!

I could definatly recommend them to anyone!"

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Re: ECC Built Toyota Starlet 5E

Posted by Quandry - 2011/09/15 08:30

Great work John, looks like a hell of a ride. What turbo is that?

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Re: ECC Built Toyota Starlet 5E

Posted by John@ECC - 2011/09/16 00:51

Garrett GT30

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Re: ECC Built Toyota Starlet 5E

Posted by John@ECC - 2011/09/16 00:52

Spuddy just done a few test launch's outside our place to see what rpm we needed to get it off the line at before sunday's racing and to see if anything would break immediately, but thankfully it didnt.

Video:

http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/th_55efaffa.jpg

Below pics with me driving.

1st gear

Toyota MR2 Drivers - Toyota MR2 Drivers

Generated: 16 October, 2018, 21:55

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/7189d949.jpg>

2nd gear

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/983abb2d.jpg>

3rd gear

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/5db0bb3a.jpg>

After coming back the brakes looked like this

<http://i42.photobucket.com/albums/e313/EASTCOASTCUSTOMS/a197435c.jpg>

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