Ronald L. Earp, Ph.D.

From: Jeff Giordano <jeffgio@nc.rr.com>
Sent: Wednesday, October 30, 2013 6:33 PM

To: Ronald L. Earp, Ph.D.

Subject: Re: MS3

Dang, just figured out I have a not insignificant pension due for the 5 yrs I worked at Texaco back in the early 80's. It'd at least cover a few sets of racing skins a year, maybe!

Looking at the SCT switch chip I see we can load 5 tunes and switch on the fly, all good. But maybe better is I searched with their web site for a local dealer and found these guys, with a location that came up out on Penny Rd, half way to 401. May be some guy working out of his house as the web site lists Fletcher. The interesting thing is these guys do a lot of Stang work and also carry Moats and megasqrt, in addition to SCT. I sent an email to the contact to setup a phone call, be interesting to hear their take on this stuff. It could also be useful to have some local consulting help, especially if we can purge to nuisance fault codes and get happier with SCT.

http://www.poweraddersolutions.com/

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On 10/30/2013 9:24 AM, Ronald L. Earp, Ph.D. wrote:

- > I talked with Mark about it but discounts used don't seem to pop up. Used on the car sites still have these right around what Mike's new price would be.
- > Buy it, drive it, if something happens and I need dough I can cash out. I have a bit of back pay due me since it appears I've had my salary wrong for the last three years. The joys of working for a small company.

> A modern track car will be in my future once I get the house thing settled out. Considering what can be spent on an IT car, it's not a bad price for a daily driver car that's street worthy and has lots of speed parts available in the mass market.

> New is always good, although a big discount for lightly used might be hard to pass up. Mike can certainly do a thorough checkout on one.

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> > ---- "Ronald L. Earp wrote: >> Ship it here, I can ship to 2D for you.
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>> So, I think I'm about rested up and might can do some work this weekend. I have a few house things to do tonight, tomorrow is Halloween.

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>> The Lightning might be coming back to NC on Friday along with Matt and his motorcycle. If that
happens we'll probably go out for some beers and I'll let you know. Otherwise might do some car work Fri
niaht.
>>
>> The Lightning might get traded for a Boss. Obviously not straight up, but I could trade or sell it on my
own. I like that idea of a Boss, modern car with sort of the basics and a very competent track machine.
Probably will retain some value better than the average car, so if I could drive it for a great number of
years it'd be alright to have around.
>>
>> The trick is if it is new or not. For whatever reason, these specialty versions of cars I like to get new.
Mike said he found a new one, but these haven't been made since Jan 13 so I'm not sure.
>>
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>> -----Original Message-----
>> From: jeffgio@nc.rr.com [mailto:jeffgio@nc.rr.com]
>> Sent: Wednesday, October 30, 2013 8:26 AM
>> To: Ronald L. Earp, Ph.D.
>> Subject: RE: MS3
>>
>> thanks, I'll start checking on the SCT chip as well
>>
>> You think it's best to ship here first, before 2D?
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>>
>> ---- "Ronald L. Earp wrote:
>>> This is the guy
>>>
>>>
>>>
>>> http://www.ebay.com/itm/FORD-7-5-POSI-UNIT-FITS-RANGER-BRONCO-II-MUS
>>> TA
>>> NG-FAI
>>> RMOUNT-AEROSTAR-THUNDERBIRD-/301001179559?pt=Motors_Car_Truck_Parts_
>>> Ac
>>> cessor
>>> ies
>>> <http://www.ebay.com/itm/FORD-7-5-POSI-UNIT-FITS-RANGER-BRONCO-II-MU
>>> ANG-FA
>>> IRMOUNT-AEROSTAR-THUNDERBIRD-/301001179559?pt=Motors_Car_Truck_Parts
>>> _A ccesso ries&hash=item46151181a7&vxp=mtr>
>>> &hash=item46151181a7&vxp=mtr
>>>
>>> He doesn't list a 3.27 now but contact him via Ebay and ask him if
>>> he has one.
>>>
>>>
>>>
>>> R
>>>
>>>
>>>
>>> From: Jeff Giordano [mailto:jeffgio@nc.rr.com]
>>> Sent: Tuesday, October 29, 2013 7:54 PM
>>> To: Ronald L. Earp, Ph.D.
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>>> Subject: Re: MS3

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>>>
>>> Missed that section, nothing on ebay, lots of 8.8 gears, I'll check
>>> with the used-parts site, they seemed to have lots of parts
>>>
>>> On 10/29/2013 7:06 PM, Jeff Giordano wrote:
>>>
>>> so I was adding another dog! I still want to buy another gear set,
>>> who was that ebay guy?
>>>
>>> On 10/29/2013 6:59 PM, Ronald L. Earp, Ph.D. wrote:
>>>
>>> Call Two Dogg. I can't remember the guys name, but there are only a
>>> few people there. I can mail it for you. Good thing is they should
>>> have the profile on the CNC EDM.
>>>
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>>> From: Jeff Giordano [mailto:jeffgio@nc.rr.com]
>>> Sent: Tuesday, October 29, 2013 6:36 PM
>>> To: Ronald L. Earp, Ph.D.
>>> Subject: Re: MS3
>>>
>>>
>>>
>>> please send me the guy you bought your set from, did you drop ship
>>> them direct to 3Dog. You remember who you talked to there?
>>>
>>> the only thing the newer K does is reduce the weight on the trans
>>> mount, effectively stiffening it, but probably not much. Stiffening
>>> is the ticket, I hope!
>>>
>>> We'll have to spend some time studying how we do the T-link.
>>>
>>> On 10/29/2013 9:44 AM, Ronald L. Earp, Ph.D. wrote:
>>>
>>> Yes, I think the 3.27 needs to be done. We need to pull the axle
>>> and rebuild that. And, reinforce the tranny mount on both cars.
>>> There might be kits to do that. I bet there are.
>>>
>>>
>>>
>>> I don't think the front subframe is the answer. We've had both in
>>> the cars and you've always had vibration.
>>>
>>>
>>>
>>> We will have our hands full with the new trilink, rear end, and maybe motor.
>>> I've got to pull mine out but that doesn't mean yours has to come out.
>>> Switch chip I think is the ticket. The motors run at XXX A/F when
>>> we get it right and I don't think we'll improve upon that a lot.
>>> What would be nice is to change from 12.3 12.8 13.1 when we wished without reprogramming.
>>>
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>>> From: Jeff Giordano [mailto:jeffgio@nc.rr.com]
>>> Sent: Monday, October 28, 2013 6:55 PM
>>> To: Ronald L. Earp, Ph.D.
>>> Subject: Re: MS3
>>>
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>>>
>>> Yup, a good list. Not sure on motors, could put that off a while,
>>> maybe a mid year thing. Should do the switch chip and a splitter.
>>>
>>> Thinking I'll get another 3.27 and have the 3dog prep done, then
>>> could build it in the axle with the spool, at which point my current
>>> axle could become a spare, after setting up the rear on it. Question
>>> is do I do another torsen or something else? The more I think about
>>> it the more I suspect the chassis stiffness around the trans mount
>>> as the source of my vibration and why the two cars are a bit
>>> different. May need to consider the other subframe, or maybe figure
>>> out how to make a stayrod that helps support the rear end of the motor.
>>>
>>> On 10/20/2013 6:20 PM, Ronald L. Earp, Ph.D. wrote:
>>>
>>> We need to make a list of improvements for 2014 and maybe an ECU
>>> isn't in the cards this year. Switch chip could be.
>>>
>>>
>>> We have to do:
>>>
>>>
>>>
>>> *
           Rear end
>>>
>>> *
           Motors
>>>
>>> *
           Headers
>>>
>>> *
           Dyno time / power production
>>>
>>> *
           Tri link
>>>
>>>
>>> So we have a lot going on without the ECU.
>>>
>>>
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>>> From: Jeff Giordano [mailto:jeffgio@nc.rr.com]
>>> Sent: Sunday, October 20, 2013 5:50 PM
>>> To: Ronald L. Earp, Ph.D.
>>> Subject: Re: MS3
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>>> so my AFM voltage looked much smoother as well today, wonder if
>>> water was hitting it at CMS?
>>> Hate to throw away all the investment and work with SCT, don't know.
>>> Guess some investigations won't hurt. If we can add the card to
>>> switch on the fly, we could at least get a tune in the right range,
>>> so long as we have and believe the wide bands.
>>>
>>> My exhaust has fallen a noticeable amount, think we're just heating
>>> the tubes too much to not have some support off the block/trans
>>> On 10/20/2013 5:30 PM, Ronald L. Earp, Ph.D. wrote:
>>>
>>> Got lots of control with these ECUS. I think you can get the source
>>> code for various models in there and modify them if the parameter
>>> control isn't enough.
>>>
>>>
>>> From: Jeff Giordano [mailto:jeffgio@nc.rr.com]
>>> Sent: Sunday, October 20, 2013 5:13 PM
>>> To: Ronald L. Earp, Ph.D.
>>> Subject: Re: MS3
>>>
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>>>
>>> How about that, easily obtainable information and support, who'd a thunk?
>>>
>>> http://www.msextra.com/doc/ms3/AFR_EGO_Control.html
>>>
>>> Can certainly assign injectors to a given O2, but don't see any error logic.
>>> Will have to investigate this.
>>>
>>> Have control of the PID values used in the closed loop control, both
>>> good and bad.
>>>
>>>
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>>> On 10/20/2013 4:26 PM, Ronald L. Earp, Ph.D. wrote:
>>>
>>> http://www.msextra.com/forums/viewtopic.php?f=131
>>> <http://www.msextra.com/forums/viewtopic.php?f=131&t=35206> &t=35206
>>>
>>>
>>>
>>> Good forum will look for other interesting tidbits
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