

## 1995 MR2 rev3 g-limited engine problem (cork)

Posted by vlastopekar - 2013/05/01 18:12

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Hi guys. Im new here and im a proud owner of 95 g limited, after todays work not so proud. Yesterday i finished the engine rebuild, start it up and exopt bad timing, what was no problem, i waned to do it today, engine was working fine. today i try to start it and noting. no fuel, no pump running i cant find a pump relay location nowhere on the internet, i cant measure any compression, timing belt is fine and set up correctly, just bad dream, after spending 1200e on complete rebuild i just want to cry. So i want to ask for help HEELP. anyone knows anything, ill bee very happy for any help. Thanks.

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## Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by eringobragh - 2013/05/01 18:48

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I'm sure someone will be able to shed some light - what happens when you try to turn over the engine?

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## Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by vlastopekar - 2013/05/01 19:52

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it turns like it should. but no any other sound :( just turns till the battery is dead.

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## Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by Mister Two - 2013/05/01 20:05

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When you turn the key is the engine management (ecu) light coming on. Its on left hand side of the dash. If not, there is no power going to the ecu

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## Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by eringobragh - 2013/05/01 22:10

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Yeah sounds like your not getting any fuel. Hae you checked fuses and stuff, like above the ECU, EFI, etc

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## Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by spla300 - 2013/05/01 22:15

Sounds like you need to go over all the wiring again, double check all clips and fuses. Post up a few pictures, is it turbo or na?

**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/02 13:04

So what i did. check fuses, relays, cables, fuel pump is not working, but when a put 12v on it is works, i cant find a fuel pump relay and i cant find anything on the web, there was a lot of pictures, where it should be, but not in this case, the engine light not flashing, and there is no fault codes stored, ignition works, spark is ok, i have dry plugs, so i thing the fuel is not coming properly, but after putting the pump to a battery, so there is a fuel pressure, noting changed.not even catching to live, nothing, the plugs are still dry.

engine is the rev3 N/A <http://mr2.ie/images/fbfiles/images/Image0055.jpg>

**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/02 13:14

new piston rings, rebuild head in <http://www.murphyengines.ie/> in Cork,pressure tested, all the gaskets,big end bearings, intake manifold powder coated candy red metallic.CDA air filter, iridium plugs.

**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by julio - 2013/05/02 13:50

so just to refresh my memory did you removed the tank to get at the fuel pump ?

**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by eringobragh - 2013/05/02 17:14

Is there an immobiliser in this by chance?

Check bgb for more info: [mr2.ie/mr2/bgb](http://mr2.ie/mr2/bgb)

**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/02 18:51

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there is no immobiliser

i need to find the fuel pump relay and fuse. <http://mr2.ie/images/fbfiles/images/SDC12227.JPG>

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/02 18:53

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i didnt remove the fuel pump, but if i put it directly to the battery, it works fine, there is a good fuel pressure.

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by Peggyontherun - 2013/05/02 19:20

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Sould like there is no live going to the fuel pump check that wire

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by eringobragh - 2013/05/02 19:33

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Get a multimeter and check the wiring - have you checked the EFI fuse yet?

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/02 20:23

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all the fuses are ok and pump working if i put it directly to the battery and it wont start anyway

i need to find a fuel pump relay. someone know where it is, in this model??

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by eringobragh - 2013/05/02 20:32

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Ok we could go in circles for months on if's and but's...easiest thing to do is get yourself a multimeter (usually €10 - €25) and try and follow a flowchart like below:

<http://img837.imageshack.us/img837/6852/ts20a20car20wont20start.jpg>

Not being blunt, but your pissing against the wind trying to diagnose this...let us know at what stage you get to on the flowchart

Good luck ;) B)

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### Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by julio - 2013/05/02 20:36

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Just to shed a little light the relay usually controls the high-low pump control so don't try rewire it your self lol

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### Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by vlastopekar - 2013/05/02 20:58

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i have multimeter.in step8 there is check the fuel pump relay or fuse.

without checking them i cant move everything else is working.

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### Re: 1995 MR2 rev3 g-limited engine problem (cork)

Posted by eringobragh - 2013/05/02 21:29

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vlastopekar wrote:

i have multimeter.in step8 there is check the fuel pump relay or fuse.

without checking them i cant move everything else is working.

hmm you got me curious, as far as I can see from mr.google the relay for the fuel pump is part of the COR (Circuit Opening Relay) thats located in the fuse box in the engine bay. (on NA anyway)

[http://mr2.ie/mr2/bgb/mk2/electrical/relay\\_locations.html](http://mr2.ie/mr2/bgb/mk2/electrical/relay_locations.html)

Apparently jumping+B and FP in the diagnostics connector will turn on the fuel pump also. (for diagnostic purposes)

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/02 21:50

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thanks, a was just thinking the same, a try it tomorrow.

its possible that i dont have that fuel pump resistor switch?

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by cozy90 - 2013/05/03 00:43

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jesus something like that would drive me stone mad B) kc for luck where in cork are u?

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/03 09:06

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i have garage with friends in monaghan road business park

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by cozy90 - 2013/05/03 17:06

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no idea where that is :P hope u get it sorted ;)

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/03 17:33

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next to port, marina park

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/10 09:13

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so after a wile, still nothing, a have spark, compression, fuel and cranking good. timing set to the middle.  
what else a can try :unsure:

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by white97mr2 - 2013/05/10 09:50

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fecks sake thats a dose you would think fuel,compression and spark would mean she would just have to go!!this one has me stumped :huh:

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by white97mr2 - 2013/05/10 09:53

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is there any air pressure coming out of airbox?that may suggest a tight tappet or oversized shim?i would be taking off rocker cover next.its highly possible you may have either of these which would cause a no start.has your model got a cps if so check that also....

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by eringobragh - 2013/05/10 12:33

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white97mr2 wrote:

is there any air pressure coming out of airbox?that may suggest a tight tappet or oversized shim?i would be taking off rocker cover next.its highly possible you may have either of these which would cause a no start.has your model got a cps if so check that also....

Ok assuming the engines cranking, here's the auto data guided troubleshooting - theres alot of it so I'll start with step 2:

STEP2: Access diagnostic trouble codes. Are trouble codes recorded?

Yes: See Fault Codes in PDF - Note DTC and probable location

See PDF (3SGE): <https://docs.google.com/file/d/0B-kvMD2T60IrajhlOTdwUERQbjQ/edit?usp=sharing>

No:

STEP3: Check for a strong blue spark at spark plugs while cranking.

Is there a strong blue spark at the spark plugs?

Yes / No:

Let me know where your at here

Let me know when you get to

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by spla300 - 2013/05/10 19:40

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Make sure the engine and ignition coil has good ground connection.  
And are you sure your injectors are good? are they opening up on time? maybe you could have mixed up the injector clips/connectors...

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/12 10:16

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ground is ok i check all of them, spark is perfect, i had injectors out and fuel pressure is good, injectors are working as they should,you cant mix them, wires are too short,so am sure they connected right.

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by vlastopekar - 2013/05/12 10:18

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i try to autodata codes troubleshooting tomorrow,Thanks to all of you.  
<http://mr2.ie/images/fbfiles/images/SDC122652.jpg>

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**Re: 1995 MR2 rev3 g-limited engine problem (cork)**

Posted by slipsliderg - 2013/05/12 11:31

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Engine looks great, but as an aside.

With that much paint and tidying, were some of the earth's forgotten.

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