

ABS LIGHT ON DASH

Posted by JOCK - 2016/01/16 18:41

Has anyone had this problem off ABS light staying on a mr2 mk2 rev3,was just driving on a straight road last night when it came on,tryed the fault codes,but there showing up as no faults,any help would be welcome before i tear car apart trying to find the fault,hoping it is a common simple fix,tryed forums everywhere with no luck,just getn diagrams for Rev2 abs faults,

Thanks in advance for any help

JOCK

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Re: ABS LIGHT ON DASH

Posted by Quandry - 2016/01/18 09:56

There is some reference to ABS in the BGB. Take a look through here: <http://mr2.ie/mr2/bgb/mk2/>

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/18 13:22

i had tryed that link yesterday,my prob is when i connect the E1 to TC on code fault test as they advice for ABS,its giving me power steering readings,im wondering if there is a diff way to check code faults on mr2 mk2 Rev3 models,as so far can only find check lists for older mr2 models online,im 2 days at it now,would be easier if i could find out how to check what exactly is the fault through code readings,before tearing car apart,oooohhh the fun off cars lol.

Thank you for trying to help,any other help would be very gratefull.

Thanks JOCK

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Re: ABS LIGHT ON DASH

Posted by spla300 - 2016/01/18 20:14

In the frunk beside abs unit there are clips connecting the unit to harness, There are 2 or 3 connectors disconnect the connector with 2 wires going into the abs unit and try shorting E1 and T1 again.

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Re: ABS LIGHT ON DASH

Posted by spla300 - 2016/01/18 20:17

on the left click Diagnosis system
http://mr2.ie/mr2/bgb/mk2/mechanical/brake_system.html

Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/18 21:14

Thank you,found that link myself this morn,no luck after trying it,will give it one more go in morn,then just start taking wheels off to check each brake,abs sensor.
Thank you for replying and your help.

JOCK

Re: ABS LIGHT ON DASH

Posted by butler_767 - 2016/01/19 15:54

If you figure it out please let me know I have the same problem with mine and don't have any free time to check it out

Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/19 17:04

ok for some reason cant check abs error codes on my car,tryed everything,followed every link possible,all system is letting me do,is check ECU and P-S Fault codes,so started checking abs,brake sensors on each wheel,first front wheel no,probs,1st back wheel bolt holding sensor on axle broke,2nd back wheel bolt came out but sensor stuck solid onto axle,cant get it off without risk off damaging it,last front wheel no problems,cleaned sensor then 10 bolt holding on sensor snapped going on,after it was only half way in,must say the 2 sensors i did get to see where in perfect clean condition,

So at end off another frustrating day,ABS light still on full time,and now have 2 sheared bolts stuck in my axles,
Arent cars such fun.

jock

Re: ABS LIGHT ON DASH

Posted by Marty J - 2016/01/19 22:39

Just thought I'd mention that the abs and the power steering share the same fuse. So I am wondering if you maybe have a power steering fault.

Check the fluid level on the power steering and anything else to do with the power steering, can't do any harm to check.

I have read that the abs wiring corrodes over the years. I think they can be tested with a multimeter.

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Re: ABS LIGHT ON DASH

Posted by spla300 - 2016/01/20 19:47

Disconnect the clip with 2 wires, the one you see me holding in bottom left of pic its around the abs unit. then try the e1 and t1 while its unplugged
<http://i.imgur.com/B94MOZy.jpg>

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/20 23:48

that doesnt work on my 1997 jap import model,they changed the set -up only works on older models,i can check ECU and power steering,but not able to check ABS have tried disconnecting the abs service connector,but still makes no difference,i even went to the 2BRUTAL english forums and the guys there are having same problems with 1997 ,1998 models,anyway started taking off break,abs sensors on each wheel today,omg the rear ones where welded on wth rust.,had to drop off complete disc,brakes,callipers to take out sensors without damaging them,even then took myself and my father an hour to do just 1 rear sensor,by the way a heads up the 10 bolts holding on sensors snap with the slightest bit off pressure,and whatever metal they are,refused to be drilled through,to be taking out and re-thread,we eventually just made a new steel bracket,and TAP and DIE in new 10 bolts on axle to stop sensor ever falling out,so much for me thinking this would be a handy job,o well guess its why i love cars,always a challenge LOL

Thanks everyone for the response,i will post up when i find out exactly how to check ABS fault codes and how to clear them on the 1997 up model mk2s.

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/24 11:12

ALL ABS sensors removed cleaned,still no luck,took out abs computer module last night part number 89541-17050 ,going to get multimeter out today to see if all sensors in good condition,put a brand new battery in car saturday,and have checked all fuses,i will get to the bottom off this ABS light stuck on,even if it kills me lol,

Found info on my car from japan,was made on the 12,1997,last model to go off production line,before the Beams engine was brought out,its strange jap sites are teln me my g-limited 2.0lt NA has 197bhp,find this wierd as i thought only the beams na had that bhp,this is my model number E-SW20-AJMQF(L),anyway will update when i find the source off this fault,as for some reason,this model can only diagnose the ECU,Power steering,but not ABS with the paper-clip method.

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/24 15:07

Any one have a rear LH abs sensor,part number 89546-17010 please,pm if you have,thanks

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/25 23:44

JOCK wrote:

Any one have a rear LH abs sensor,part number 89546-17010 please,pm if you have,thanks

you sure its defo that sensor? One trick is too use a multimeter to measure resistance on each sensor to eliminate the dud one.

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 00:37

thats how i found it it was the fault,by testing them all with multimeter

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 10:37

JOCK wrote:

thats how i found it it was the fault,by testing them all with multimeter

Jesus they are very expensive I picked up a generic one for a primera on ebay for 30 notes!

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 10:41

Did that work,as yes very expensive for a original,178 euro i got quoted,if your primera one worked have you a link,and i will buy that instead
Thanks for help

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 10:47

JOCK wrote:

Did that work,as yes very expensive for a original,178 euro i got quoted,if your primera one worked have you a link,and i will buy that instead
Thanks for help

Its a pattern part designed specifically for the primera but I'd imagine theres little differences in them, they are mostly Bosch systems so I'd imagine they are interchangeable somehow.

I'll drag out the link but what reading was your working ones getting? I think the primera was around the 1400ohms range

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 10:50

i was getn 985ohms reading from the 3 sensors that where working,which i found low but they where consistant with each other

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 10:57

JOCK wrote:

i was getn 985ohms reading from the 3 sensors that where working,which i found low but they where consistant with each other

I got the readings from a Nissan manual so make sure they are correct

anyway this is the lads site and here are the toyota parts he carrys no MR2:

http://stores.ebay.ie/motoneo-eu/ABS-Components-/_i.html?_dmd=2&_nkw=toyota&_sacat=174018

Are you certain the sensors gone, if I were you I'd make / but a resistor around that value and stick a pin in each end of the plug you disconnected the culprit from - the light should go out

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 11:05

sensor deff gone,wont even give a reading when off the car,cant find any breaks,even stripped back rubber covers to check,dont want to pay 178 euro for a new one,so will see if i can get a loan off a good working toyota sensor,to try that,if not,thanks for you link and help,luckily no nct for 4 months yet so have time to experiment,as for now just took bulb out off dash as hate looking at it on,lol,will update if i get a standard,cheaper cost toyota sensor to work.

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 11:06

have you done a continuity check with the multimeter from the main plug

You just need about 3 metres of wire and crimp one end with a spade or similar and wedge it in the plug of the ABS unit that corresponds with the ABS sensor - after that run your leads between the extended cable and the plug the sensor slots into

Hope that makes sense B

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 11:08

JOCK wrote:

sensor deff gone,wont even give a reading when off the car,cant find any breaks,even stripped back rubber covers to check,dont want to pay 178 euro for a new one,so will see if i can get a loan off a good working toyota sensor,to try that,if not,thanks for you link and help,luckily no nct for 4 months yet so have time to experiment,as for now just took bulb out off dash as hate looking at it on,lol,will update if i get a standard,cheaper cost toyota sensor to work.

Before spending any money grab a resistor (they are pennies) and plug it in and see how you go if the lights out the sensors 100% the culprit - I'd be confident its the sensor alright but you never know - if your in Dublin I can make one up for you sure I've a few spare here.

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 12:03

awsome,thanks for help,im just doing my dash,interior at moment,will put up pictures when its done,just put in a blitz panel filter,straight swap for standard filter in airbox,its a hybred filter that doesnt need that nasty oil to be sprayed on it,so going to test,finish these projects today,then will get back to the ABS sensor,weather to awfull here to be checking electrics at moment,but if i cant sort it out,might take you up on your offer off taking a spin to dublin.
Thank you very much for all your help and advice.

JOCK :)

Re: ABS LIGHT ON DASH

Posted by TurboD - 2016/01/26 12:13

If it saves you a trip I'll collect it and get it to you JOCK .

Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 16:22

Thnks turbod ,hey by the way i picked up a spare set off headlight cover panels in red,if anyone needs them

Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 16:55

JOCK wrote:

awsome,thanks for help,im just doing my dash,interior at moment,will put up pictures when its done,just put in a blitz panel filter,straight swap for standard filter in airbox,its a hybred filter that doesnt need that nasty oil to be sprayed on it,so going to test,finish these projects today,then will get back to the ABS sensor,weather to awfull here to be checking electrics at moment,but if i cant sort it out,might take you up on your offer off taking a spin to dublin.
Thank you very much for all your help and advice.

JOCK :)

I'll throw it in an envelope and post it down to you - I reckon a 1000ohm will probably do the job but I'll see if I've the bits to solder up one at 985 in series.

Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 17:31

awsome pm you

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 17:39

So turns out my car is a Rev4,guy who sold it to me gave wrong info,o well great to learn something new everyday lol.

Put blitz panel air filter in,i no more expensive than standard at 37 euro from japan,but after 25killometers,just need to be taking out and blown off with a air gun,will save in the end replacing the paper air filters,it doesnt give any noticable bhp,and sound not a grunty as a cold air system,but still hoping it was a good update,braided brake hoses next,trying to get products that will last longer than the standard,original parts.

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 19:03

right mate - I had a quick look and I can only find 48K and 68k resistors :(

On a plus note you'll get away with using a 1k I looked at the BGB and it states readings between 0.9 - 1.5k

<http://i.imgur.com/rYqeaWQ.jpg>

Ok so €3.50 will get you 100 of these bad boys delivered (or you could get one from Maplin for the same price :P) - I'd order the below and I've used them before and the 1k resistor is used a lot in house alarms, etc so you'll find use for the rest at some point. I've used that seller as well before so all good there also.

<http://www.ebay.ie/itm/Pack-of-100-1-4W-carbon-film-resistors-pick-value-from-100-to-10k-Ohms-FREE-POST-/231068912869?var=&hash=item35ccc7cce5:m:mSkcL4US1LiQ8M4yhAGD6XQ>

Just be aware the light will go out but if you price the car it'll register again on the dash as the ABS knows the ohms should be fluctuating with the wheel speed

I'm confident the sensor is gone but this should clarify it 100%

P.s resistance is the same across all wheels so ignore the screengrab being front sensor

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 19:35

Top man,used your link and ordered,thank you.Good diagram also,shows me that what i had already done was right,i was in at toyota the cost off sensor was 190 euro plus vat on top,robbers,they said another toyota sensor wont work,you no what,i just dont believe them,untill have tried out the theory myself.

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Re: ABS LIGHT ON DASH

Posted by Tsporter - 2016/01/26 20:10

I have no fu3king clue what you lads are talking about!

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 20:13

JOCK wrote:

Top man,used your link and ordered,thank you.Good diagram also,shows me that what i had already done was right,i was in at toyota the cost off sensor was 190 euro plus vat on top,robbers,they said another toyota sensor wont work,you no what,i just dont believe them,untill have tried out the theory myself.

Ok mate out of interest (and fear for when mine go) I had a goosey gander on the interweb and apparently an IS200 sensor should work, reckon you'd have better luck getting one of them at a good price.

round 70ish euro should get you a new one -

http://www.ebay.ie/sch/i.html?_odkw=89545-30060&_osacat=0&_from=R40&_trksid=p2045573.m570.l1313.TR0.TRC0.H0.TRS0&_nkw=89545-30060&_sacat=0

do some more research on the part nos etc so it matches the side your after, etc - I've done the ground work there so should be handy to work out the rest

was actually mentioned on this site:

Re:ABS or no ABS on mk2? 4 Years, 10 Months ago Karma: 12

just a point here. i have a 95 mk2 and it is a eng import. had the dash light removed by criminal who sold it to me! So have a look at the front wheel(it's easier than back wheel). in behind the brake discs.(sorry i'm useless with real names of these things) basically you should see a wire for abs if you have it.

also if anyone ever has a broke abs sensor they are like 180 euro for new from toyota. taking one off a lexus is200 worked for me.

=====

Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 20:15

Tsporter wrote:
I have no fu3king clue what you lads are talking about!

:D

https://www.youtube.com/watch?v=ujc6pjftZ_w

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/01/26 20:42

awsome,i looked everywhere on this site,and other mr2 sites,found nothing,ok better get my glasses fixed lol,your a legend,as i no from searching IS200 cars had shared parts,devolopment sharing with mr2,s i just couldnt confirm it,right im off to look at your link.

=====

Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/01/26 20:53

JOCK wrote:
awsome,i looked everywhere on this site,and other mr2 sites,found nothing,ok better get my glasses fixed lol,your a legend,as i no from searching IS200 cars had shared parts,devolopment sharing with mr2,s i just couldnt confirm it,right im off to look at your link.

no hassle, let us know how you get on

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/02/03 18:27

OK have the IS200 LEXUS abs sensor fitted,was a bit off work doing a bit off trimming,making new top connector,brackets to get it to fit on the mr2,so how it stands now is i have four abs sensors giving me a reading,still have abs light stuck on dash,i just cant figure how to reset the abs on Rev4,all those links

online for rev3 and older,has anyone got a clue how i can reset ABS on a rev4,i can reset ECU and power steering,but nothing i try,resets or gives abs fault codes,heeeelllpp pleeeaaaseee.

Thnks jock

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/02/03 19:38

What readings the is200 sensor giving?

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/02/03 20:09

1012 ohms nearly same as original mr2 sensor on rear farside,all i think i need to do no is find out how to bloody reset abs,then i would no for sure if the is200 sensor works,its driving me mad,not been able to find online how to check a rev4

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/02/03 20:11

good thing about is200 sensor is its plastic ,not steel like mr2,so was easy to file down to fit in axle,

=====

Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/02/03 20:14

JOCK wrote:

good thing about is200 sensor is its plastic ,not steel like mr2,so was easy to file down to fit in axle,

Leave the negative off the battery for an hour and see if that resets it

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/02/03 20:18

will do,had it off for 15 mins,but in morn after job,will leave off for an hour,will try anything at this stage

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Re: ABS LIGHT ON DASH

Posted by spla300 - 2016/02/03 20:46

usually tapping the brake 8 or more times within 3 seconds of turning on ignition resets abs codes.

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/02/03 21:57

tryed that before thanks,tryed everything thats in every forum on web,all that stuff is for rev3 models,where it says to put pins on diagnostics port on a rev3 to get abs fault codes ,i get power steering codes,i run ecu fault codes,and it comes back clean,no faults,but light still on dash for abs,so far have,disconnected abs unit,all fuses,battery,abs service connector,tryed every way off diagnostics,still ABS light on all the time,and yes i have replaced bulb,and replaced the faulty abs sensor,its a mystery,

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/02/09 10:58

I have still got my ABS light on constant in dashboard,i have tryed replacing a non working abs sensor,and cleaned the other 3,
Now im getting great advice on how to test error codes,and at this stage im an expert on how to test ecu,ps, airbag error codes lol,but still have not been able to test ABS codes,have disconnected battery,taking out all main fuses on car,to see if car resets itself,this wont work on a MR2.
I Think i have gotn to the reason why i cant test ABS codes and why the abs light stays on constant Faulty ABS Control Unit, i found in a snipet,will stop a poor chap like me been able to test abs codes, My abs ecu part number is - TOYOTA 89541-17050 ,ITS located under glove box,and takes ten minutes to take out,i dont have equipment to test an ECU,

So what im asking is would somebody have a spare for sale,or is willing to let me try there abs ecu for ten minutes,just to make sure my theory is right,it would be a very expensive mistake on my part to buy a new one,then to find out i was wrong,im based in waterford,but happy to travel to try get this sorted out,as i have been at this 3 weeks now,and as im not able to work anymore,cant afford to be sending car to a main dealer so they can rob me blind.
Thanks in advance JOCK

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/02/09 13:28

JOCK wrote:

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Thanks in advance JOCK

Probably makes sense its the ecu thats most likely a culprit considering you couldn't get a diagnostic reading - I haven't one those parts to hand but I'm sure someone on here has one they could lend you

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Re: ABS LIGHT ON DASH

Posted by Quandry - 2016/02/09 15:34

Sorry I can't help my car is non abs.

Bit of an old thread but maybe some contacts in here would have a part?:

<http://www.mr2.ie/mr2-forum/12-site-suggestions/11235-some-phone-numbers-of-breakers-in-ireland>

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Re: ABS LIGHT ON DASH

Posted by JOCK - 2016/02/17 16:35

abs ecu repaired,still abs light staying on constantly on dash,cant get abs codes,off to buy a strong rope and find a tree

=====

Re: ABS LIGHT ON DASH

Posted by eringobragh - 2016/02/19 11:10

JOCK wrote:

abs ecu repaired,still abs light staying on constantly on dash,cant get abs codes,off to buy a strong rope and find a tree

"Repaired" what was exactly repaired/? I'd still be looking at getting another used part and trying that.

Case in point -

* Cousin had a DC2 Type R with an airbag faulty -

* Ran a DTC check with paperclip and indicated that it was a faulty module - replaced module with done deal breaker

* Light still on - Ran DTC - says airbags deployed -FFS

* Went to UK ebay - ordered part light went out - Job done

Just an anecdote - things ain't always as black and white

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Re: ABS LIGHT ON DASH

Posted by eringobragh - 2017/01/13 11:22

ever get across the line with this Jock?

My LH Rear ABS sensor cable ripped off and was unfixable :(-

Rang Toyota €280 inc VAT for new ABS sensor :(-

Got a genuine used Lexus IS200 one on fleabay for £17

Reset ABS: Turn Ignition to 0 - Jump Pins in Diag - Press pedal 8 times within 3 seconds.

ABS working again B) :woohoo:

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