

How To: Radar Detector Hardwire

 g20.bimmerpost.com/forums/showthread.php

10-26-
2019, 10:43
AM

#1

Major 



234
REP

1,037
Posts

Drives: None
Join Date:
May 2013

Location:
USA

iTrader: (1)

Garage List
[2020 BMW
M340i](#) [0.00]

After a couple tries, I finally found a power source that switches off (after around 6-10 minutes).

Disclaimer: I am not responsible for any damage you might cause to your vehicle.

Parts used:

RJ11 Mirror Wire Tap - I used the smaller tap inserts.
BlendMount BMX-2018 (for Escort Max 360)

Instructions:

Step 1 - Remove the plastic mirror housing. This can be done by using a plastic trim removal tool. I started from the top and slowly separated the trim.

Step 2 - Remove the bottom plug. This can be difficult to remove. I had to use the plastic trim removal tool to keep one side of the plug down while pulling on the other side. Be careful while removing it.

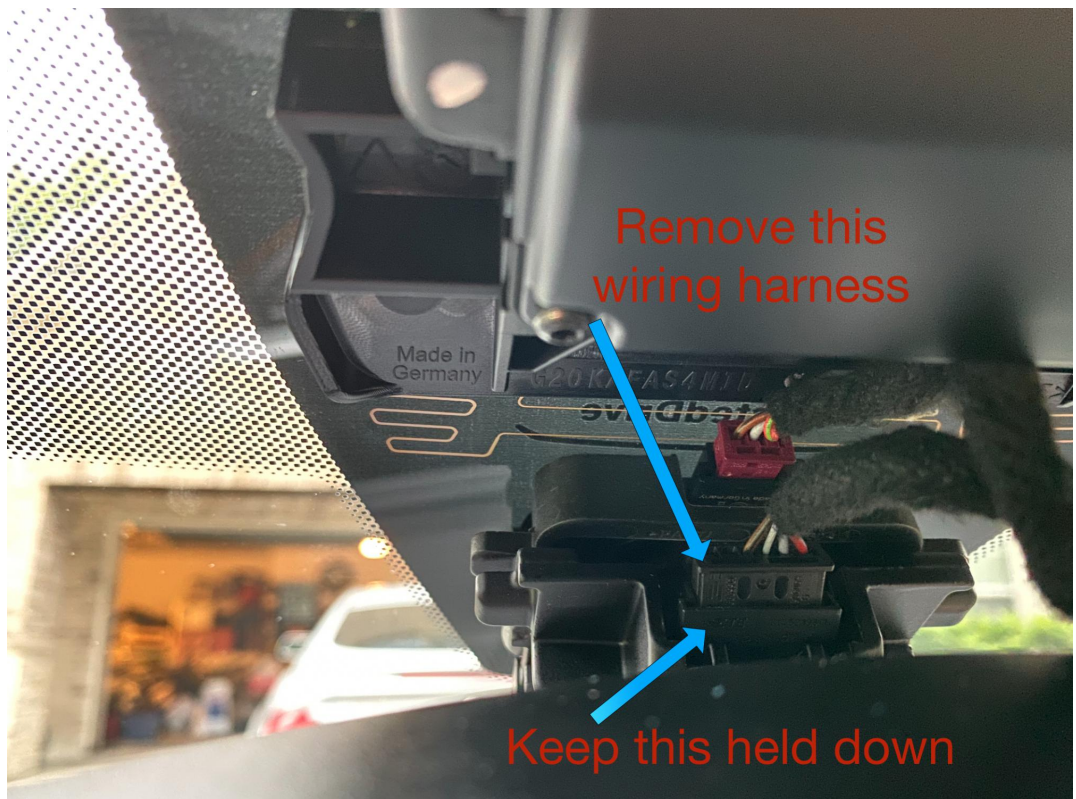
Step 3 - Insert the wire taps. The red tap (12v) inserts into the red/blue wire plug socket. The black (ground) inserts into the brown/black wire plug socket.

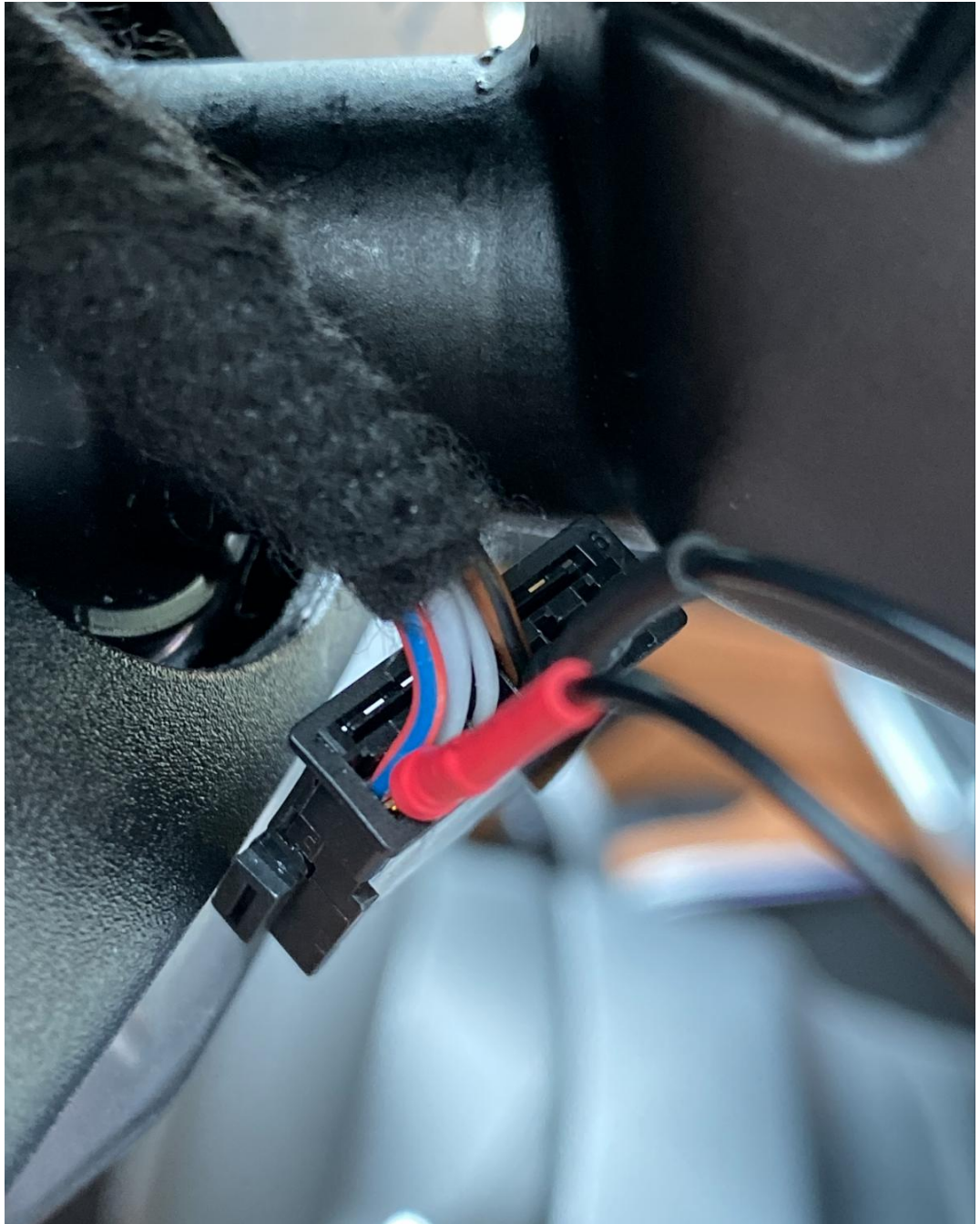
Step 4 - Reinstall the bottom plug and hide the wires. I ran the cable out by the mirror stem.

Step 5 - Reinstall the plastic mirror housing trim

Step 6 - Install BlendMount

Attached Images







M340i: Arctic White, 790M wheels, Cognac interior, Aluminum Tetragon trim - Totaled 😞

Appreciate 19

ProfoundTwitch

A6bullet

Eagle Creek

Calamari

xraymd

cruzer666

Bmwguy1994

Hysnbrg

Banana Clipper

luv2learn

getrusty

Snoopy8

MAKH 5

superfuel

Ruebarb

aiursblade

Existence711

CSBM5

ehartnet

Quote

10-26-2019, 12:21
PM

#2

...

Exactly what I have done already. Thanks for the write up.



932
REP

4,324
Posts

2020 G20 M340 xDrive - Portimao Blue -
ZDA|ZPP|ZPX|1CR|1PE|6NW|6WD
2016 F10 535i xDrive - AW - Retired 😞
2011 E92 M3 - AW.....ED April 29th, 2010 - Retired
2007 E92 335i -Space Gray.....ED Oct 19th, 2006 - Retired

Drives: M340
Join Date: Aug 2006

Location: Seattle, WA

iTrader: (3)

Garage List
2011 BMW M3 [7.84]
2007 335 Coupe (ret
... [9.00]

Appreciate 0

Quote

10-26-2019,
12:48 PM

#3

Major 🌟



234
REP

1,037
Posts

Drives: None
Join Date: May
2013

Location: USA

iTrader: (1)

Garage List
[2020 BMW](#)
[M340i](#) [0.00]

Quote:

Originally Posted by [TTG](#) 
Exactly what I have done already. Thanks for the write up.

Thanks for giving me the courage to try it!

M340i: Arctic White, 790M wheels, Cognac interior, Aluminum
Tetragon trim - Totaled 😞

Appreciate 1

[TTG](#)
[Quote](#)

11-
12-2019,
08:01
PM

[#4](#)

New Member



8
REP

After doing the same, now getting a "Battery Malfunction" check control message. The message stays even when I disconnect the wiring for the RD. Any ideas? I can't get my Carly to work (either the car or ios13 issue) or would have the code detail as well.

Current: 2024 BMW X5 M60i (G05): Marina Bay Blue / Silverstone

Retired: 2022 X3M Competition (F97), 2021 M3 Competition (G80), 2021 X3 xDrive 30i (G01), 2020 M340i xDrive (G20), 2018 M3 (F80), 2016 428i xDrive (F36), 2007 335i (E90), 2005 325i (E90)

26
Posts

Last edited by bblank; 11-14-2019 at 10:00 PM..

Drives:
2024
G05 X5
M60i
Join
Date:
Apr 2005

Location:
Salt
Lake
City, UT

iTrader:
(1)

Appreciate 0

Quote

11-14-
2019, 07:40
PM

#5


Major 🌟

Quote:



234
REP

1,037
Posts

Originally Posted by **bblank** 
After doing the same, now getting a "Battery Malfunction" check control message. The message stays even when I disconnect the wiring for the RD. Any ideas? I can't get my Carly to work (either the car or ios13 issue) or would have the code detail as well.

Sorry, I have not had that issue.

M340i: Arctic White, 790M wheels, Cognac interior, Aluminum Tetragon trim - Totaled 😞

Drives: None
Join Date:
May 2013

Location:
USA

iTrader: (1)


Garage List
2020 BMW
M340i [0.00]

Appreciate 0

Quote

11-
28-2019,
08:20
AM

#6

Private
First
Class 
30
REP

Rear view mirror housing pics

128
Posts

Thanks tturbolife for post. Thought I'd return the favor and share pics of rear view mirror housing for others to see the clips that need to get undone and pulled apart.

The housing is 2 pieces with clips along the middle that need to be undone. I inserted a screw driver between the headliner and top right area of the housing. Pried gently outwards where after the first clip got undone then used my hands to undo and pull apart the remaining clips.

Drives:
G80
M3CX

Wasn't very difficult and after taking off the right side housing, I pulled the left side housing off with my hands.

Join
Date:
Jun
2007

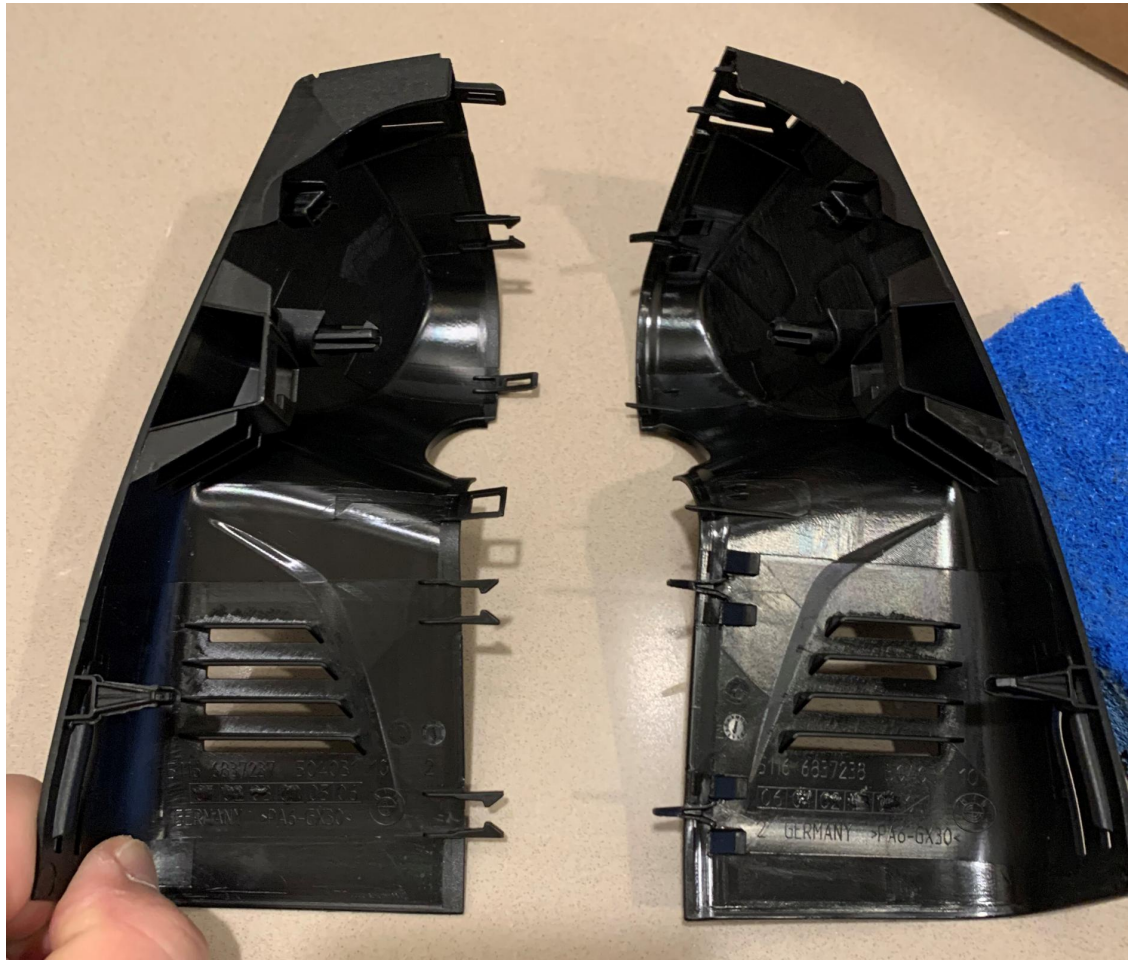
Also no need to pull out the wiring harness to put the mirror tap spades in. The rear view mirror itself just slides off. Push the mirror downwards and it will just slide off.

Attached Images

Location:
USA

iTrader:
(0)








Last edited by DEL451; 11-30-2019 at 01:02 PM..

Appreciate 5

[tturbolife](#)
[luv2learn](#)
[Hoping4Dravit](#)
[randomserious](#)
[Ezmlaw](#)
[Quote](#)

11-30-
2019, 01:41
PM

#7

Private First
Class 
30
REP
128
Posts

Will also confirm that power does auto shut off after 6 minutes.

Do have issue where laser alarm randomly goes off. Don't have gesture control. May need to tape rear sensor or turn off laser altogether in V1 setup.

To previous post as to warning message after hard wiring - no I did not get.

Drives: G80
M3CX
Join Date:
Jun 2007

Location:
USA

iTrader: (0)

Appreciate 2

[tturbolife](#)
[Bmwguy1994](#)
[Quote](#)

12-01-
2019, 02:18
PM

#8

Major 🌟

Quote:



Originally Posted by **DEL451** [▶](#)

Will also confirm that power does auto shut off after 6 minutes.



234
REP

Do have issue where laser alarm randomly goes off. Don't have gesture control. May need to tape rear sensor or turn off laser altogether in V1 setup.

1,037
Posts

To previous post as to warning message after hard wiring - no I did not get.

Drives: None
Join Date:
May 2013

Laser warning is pretty useless anyway. Mine always got set off by Infiniti SUVs

Location:
USA

M340i: Arctic White, 790M wheels, Cognac interior, Aluminum Tetragon trim - Totaled 😞

iTrader: (1)

Garage List
2020 BMW
M340i [0.00]

Appreciate 0

Quote

12-02-
2019,
09:18 AM

#9

First
Lieutenant
318
REP

I can also confirm that this works and it shuts off, my mirror housing is huge as I have the assisted driving package but the clips are the same.

387
Posts

I also spliced into the same wire for my USB powered dash cam (because BMW still has not launched the drive recorder for my car). My dashcam is USB powered so I just soldered in a small DCDC converter on that line to go from 12v to 5v and soldered directly into the USB cable.. works perfectly.

Drives:
2023
M340i
xDrive
Join Date:
Nov 2007

Also confirmed with a multi meter that:
Red/Blue = +12v
Brown/Black = Ground

This is the DCDC I used: <https://www.amazon.com/gp/product/B0...?ie=UTF8&psc=1>

Location:
Northern
VA

Current: 2023 G20 LCI M340i xDrive
History: 2005 E90 325i > 2008 E90 328xi > 2011 E90 LCI 335i xDrive > 2013 F30 328i xDrive > 2016 F30 LCI 340i xDrive > 2020 G20 M340i xDrive
WE ARE!




iTrader:
(0)

Appreciate 0

Quote

12-04-2019,
04:26 PM

#10

Lieutenant  


Just bought the escort 360, blendmount, and RJ11 adapter. Going to try this in 2 weeks. Thanks for the write up!



232
REP

422
Posts

Drives: G20,
G01
Join Date: Apr
2019

Location:
Seattle

iTrader: (0)

Appreciate 1

tturbolife
Quote

12-04-2019, 05:41 PM

#11

Private First Class 



97
REP

123
Posts

I wonder if this is applicable to a dashcam setup as well.
What's the voltage output at that connector?
What's the accepted voltage for the radar device?

Drives: 2020 BMW M340i
Join Date: Nov 2019

Location: California

iTrader: **(0)**

Garage List

2021 BMW X5 45e [0.00]

2020 BMW M340i [0.00]

Appreciate 0

Quote

12-06-2019,
10:18 AM

#12

Major 🌟



234
REP

1,037
Posts

Drives: None
Join Date: May
2013

Location: USA

iTrader: (1)

Garage List
[2020 BMW](#)
[M340i](#) [0.00]

Quote:

Originally Posted by [haruny](#) ▶

I wonder if this is applicable to a dashcam setup as well.
What's the voltage output at that connector?
What's the accepted voltage for the radar device?

I believe its 12V

M340i: Arctic White, 790M wheels, Cognac interior, Aluminum
Tetragon trim - Totaled 😞

Appreciate 1

[haruny](#)
[Quote](#)

12-
16-2019,
06:12
PM

#13

New
Member

Thanks much for pulling this info together guys. Wanted to add another success to the thread. Just completed install in my M340.

5
REP

Also wanted to highlight the suggestion to remove the mirror. This is 100% the way to go but watch out for sudden release or you might unnecessarily strain the wire harness you're trying to use. Put two hands on the mirror base right up against the windshield and apply gentle, progressive force down the plane of the windshield. There is minimal slack to the wires so as soon as the mirror is free it's pulling on them. Immediately bring one hand around and disconnect.

28
Posts

Drives:
2020
M340i
Join
Date:
Aug
2013

Location:
Southern
Maine

iTrader:
(0)

Appreciate 1

tturbolife
Quote

12-16-
2019,
07:14 PM

#14

Lieutenant Quote:



Originally Posted by **RPN**

Thanks much for pulling this info together guys. Wanted to add another success to the thread. Just completed install in my M340.

232
REP

422
Posts

Also wanted to highlight the suggestion to remove the mirror. This is 100% the way to go but watch out for sudden release or you might unnecessarily strain the wire harness you're trying to use. Put two hands on the mirror base right up against the windshield and apply gentle, progressive force down the plane of the windshield. There is minimal slack to the wires so as soon as the mirror is free it's pulling on them. Immediately bring one hand around and disconnect.

Drives:
G20, G01

Join Date:
Apr 2019

Location:
Seattle

Agree! I did the same thing. I tried messing with the wiring harness from behind the mirror for a few minutes, and then just slid the mirror off and that was much easier. I used one small pin for the red lead, and one large pin for the black ground lead. Worked like a charm and both were nice and secure. Thank you all for your help and the pictures!

iTrader:
(0)

Appreciate 1

tturbolife
Quote

01-
05-2020,
02:44 PM

#15

New Member

I just did this earlier. Broke a number of those small clips keeping both the left and right pieces of the housing together. Luckily, it all went back together and is holding as if nothing happened.

10
REP

28
Posts

Drives:
F15 X5 /
G20 330i
Join
Date:
Mar 2019

Location:
CA

iTrader:
(0)

Appreciate 0

Quote

03-19-
2020, 09:25
PM

#16

Major 🌟

Quote:



Originally Posted by **homerjay** 

I just did this earlier. Broke a number of those small clips keeping both the left and right pieces of the housing together. Luckily, it all went back together and is holding as if nothing happened.



1,237
REP

It's a \$25 part if you want to replace it

1,203
Posts

Drives:
2023 BMW
i4 M50
Join Date:
Nov 2019

Location:
Los
Angeles,
California

iTrader: (0)

Garage List
2023 BMW
i4
M50 [10.00]

Attached Images

7:24



🔒 getbmwparts.com — Private

Mirror Cover - BMW (51-16-9-108-976)

Genuine BMW Mirror Cover - Part Number [51-16-9-108-976](#)

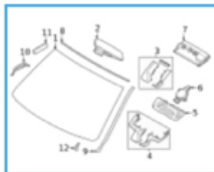
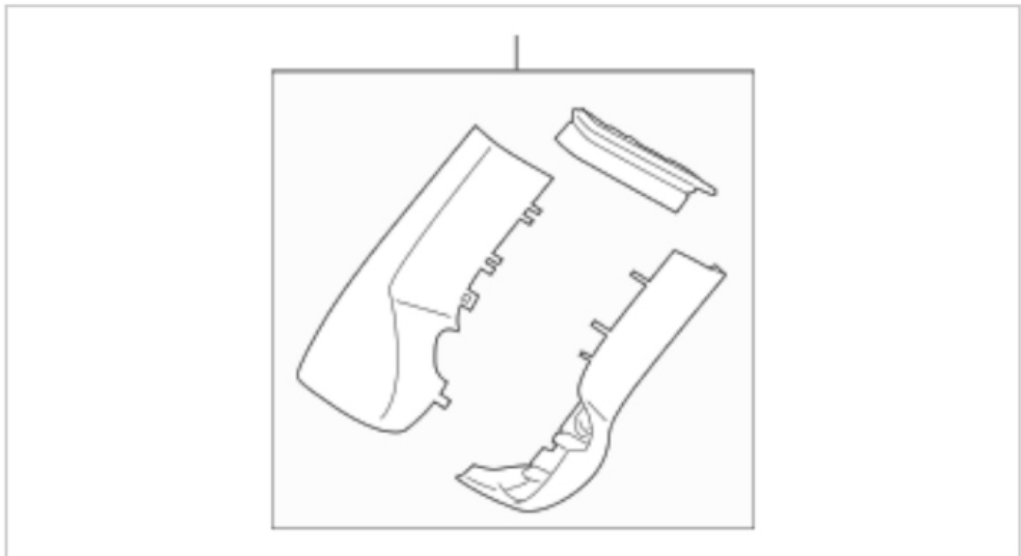
List Price: \$31.37

You Save: \$5.77 (18.40% off)

Sale Price: \$25.60

 **ADD TO CART**

✓ Added to [Wishlist](#)



Appreciate 0

Quote

04-10-2020, 04:31
PM

#17

New Member

Quote:

10
REP

28
Posts

Originally Posted by **cruzer666** [▶](#)
It's a \$25 part if you want to replace it[IMG][/IMG][IMG]
[/IMG]



Drives: F15 X5 / G20
330i

Join Date: Mar 2019

Location: CA

iTrader: (**0**)

Appreciate 0

Quote

05-25-
2020,
04:20 PM

#18

Registered **Problems with Homelink garage door opener after mirror tap**

0
Rep
3
Posts

Has anyone lost homelink functionality after performing the above-described mirror tap for a radar detector? My radar detector is working fine (HT OP!!), but now it looks like my homelink circuit is dead. Any suggestions?

Drives:
BMW 2014
BMW 535i
xdrive
Join Date:
Jan 2017

Location:
New
Jersey

iTrader: (**0**)

Appreciate 0

Quote

05-25-
2020, 05:40
PM

#19

Major 🌟

Quote:



234
REP

1,037
Posts

Drives: None
Join Date:
May 2013

Location:
USA

iTrader: (1)

Garage List
2020 BMW
M340i [0.00]

Originally Posted by **jakeclk** ➤

Has anyone lost homelink functionality after performing the above-described mirror tap for a radar detector? My radar detector is working fine (HT OP!!), but now it looks like my homelink circuit is dead. Any suggestions?

Sorry, I've had no issues with homelink

M340i: Arctic White, 790M wheels, Cognac interior, Aluminum Tetragon trim - Totaled 😞

Appreciate 0

Quote

05-26-2020,
10:04 AM

#20

Private First Class
☰
98
REP

My radar detector is powered with a BlendMount mirror tap and I have no issues with the garage door operation.

146
Posts

Drives: 2020 BMW
M340ix
Join Date: Dec
2018

Location: Tampa
Bay/Longport NJ

iTrader: (0)

Appreciate 0

Quote

07-14-
2020, 04:22
PM

#21

New Member



9
REP

16
Posts

Drives: BMW
330i G20
Join Date:
May 2019

Location:
Madrid -
Spain

iTrader: (0)

Appreciate 0

Quote

08-13-
2020,
02:01 AM

#22

New
Member

Change to mirror housing?

3
REP

10
Posts

I just picked up my 2020 330i (Late June production) and I was excited to be able to wire my radar but the housing looks different. I do have the drivers assistance professional package but the housing seems to be different.

Looking from the headliner to the plastic trim I don't seem a seam to try and use trim tools to pry apart at like others have described. I do see a seam on the smaller rounded black piece but that does not look like it would expose the wires. Maybe I just am misunderstanding what comes off but from pictures it looks like two pieces which I don't see.

Drives:
2020 bmw
330i xdrive
msport
Join Date:
Aug 2020

Does anyone have any idea?


Location:
Washington
state

iTrader: (0)

Appreciate 0

[Quote](#)

[Post Reply](#)

Page 1 of 4 [1](#) [2](#) [3](#) [4](#) [Next](#) 

« [Previous Thread](#) | [Next Thread](#) »

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You **may not** edit your posts

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Smilies are **On**

[IMG] code is **On**

HTML code is **Off**

Forum Rules

All times are GMT -5. The time now is 07:15 PM.