



SPRY
BMW CODING

W212 (Facelift) Siren Retrofit

by @MrTryATing / @SpryBMWCoding (Same person!)



Should work for pretty much any US Mercedes, since they mostly all use the same parts
I did this one on my 2016.



Fun Fact! If you can figure out how to mount the Siren in the Rear fender well you, probably cut 40% of the work...but then again you probably create more work with drilling holes & additional Sealing.

Parts I had to loosen or remove

- Fender Liner/Weather shield (Loosen)
- Battery
- Front Passenger Kick Panel
- Rear Passenger Cloth panel (Loosen)
- Bluetooth or SDARs module next to Rear SAM (Sat Radio)
- Door Sil Trims
- Passenger Seatbelt Panel/Cover (Loosen)
- Rear SAM (removed all bolts but didn't fully unplug)

Siren Install

I used an EDW unit (P/N **A222 820 29 26**) unit that I got for \$40 on EBay.

I'm sure any siren can work. I chose this because it was new. Was also the first to pop up in my ebay search for "2016 W212 EDW Siren."

I also bought a one used EDW unit from a W204. Purpose was so I could get the connector/harness pigtail. In addition to the mounting bolt for a simpler install.

I also wanted to see which sounded better 😊.



Siren Install –2

- On the Passenger side rear fender well, there is a spot with pre-punched holes that fit the EDW unit (P/N A222 820 29 26) perfectly.
- The W204 unit could mount up just fine, it just doesn't have the little plastic alignment tab that holds the siren prior to putting the bolt on.
- Fender Liner/Weather Shield is like 3 or 4 10mm plastic screws. Don't need to remove it, just remove enough to gain access



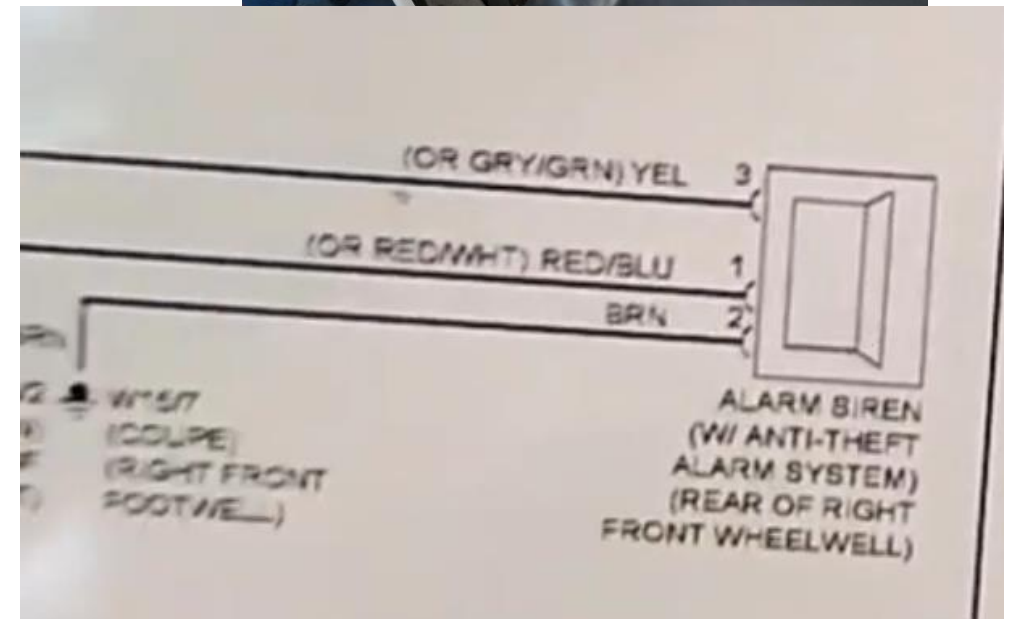
Siren Install –3

- There is a pre-prepped chassis grounding post meant for the siren right above where the mounting holes go.



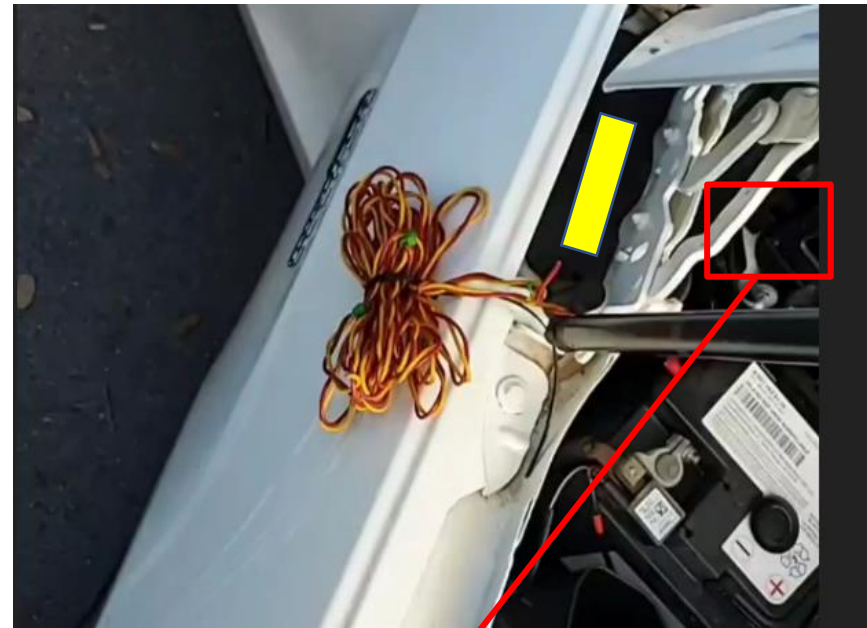
Siren Install -4

- This is after wiring connections were made,
- I covered the connections with wire loom and secured the harness to the empty posts with Zip ties.
- Three connections needed
 - Power (Pin 1)
 - Ground (Pin 2)
 - Lin-B4 (Pin 3)
- I didn't really need to look which was which since I had the connector Pigtail.
- I made my connections with simple 16 Gauge Wire from Autozone.



Routing Wires

- Wires Routed up the fender well behind the battery.
- If you take off **this plastic piece** you will easily see where to route the wires.
- I prepped a 18ft or 20ft twisted pair of wire I remember I had 25 ft. spools of each color and didn't use the whole spool.



Routing Wires-2

Engine Bay



Behind the Main Battery (one bolt + terminals), you will gain access to this grommet that you can route wires through. Be Sure to Seal it after. I used this because it was in my trunk.



Passenger Kick Panel Area, behind firewall liner



Routing Wires-3

- Completed Front Engine bay area wiring covered my connections with Wire loom then reinstalled the battery.



Routing Wires-4

Passenger Kick Panel Area,
behind firewall liner



Passenger Rear Seat Area



Passenger Rear Seat Area
facing trunk Liner

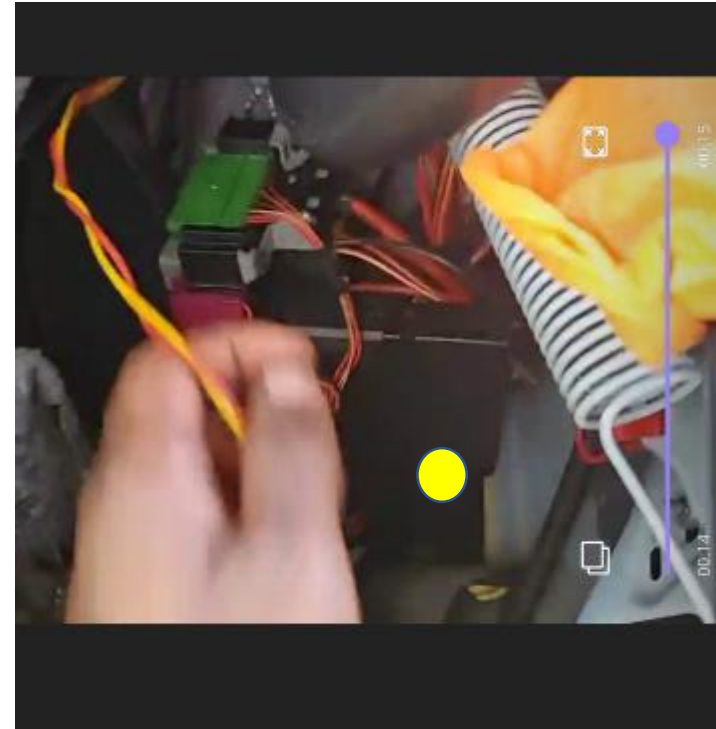


Routing Wires-5

Removed SDARS or Bluetooth Unit (whatever it is) to gain access to Rear SAM connectors



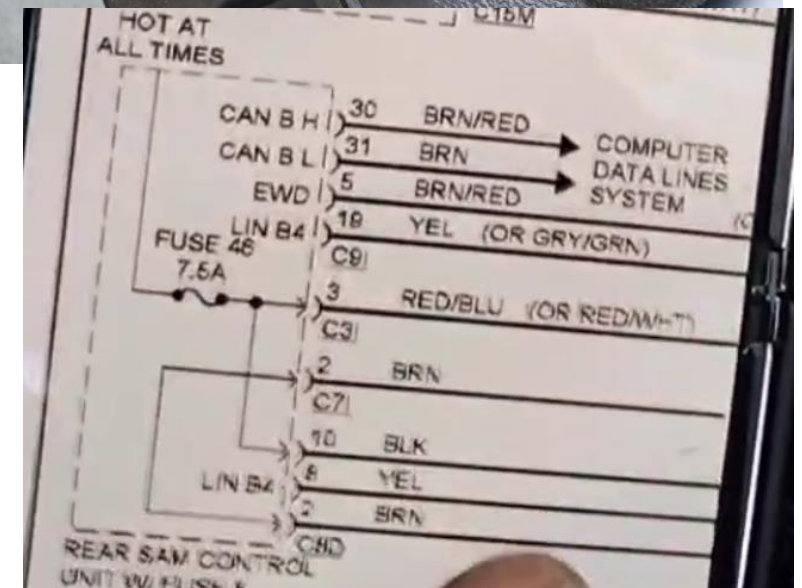
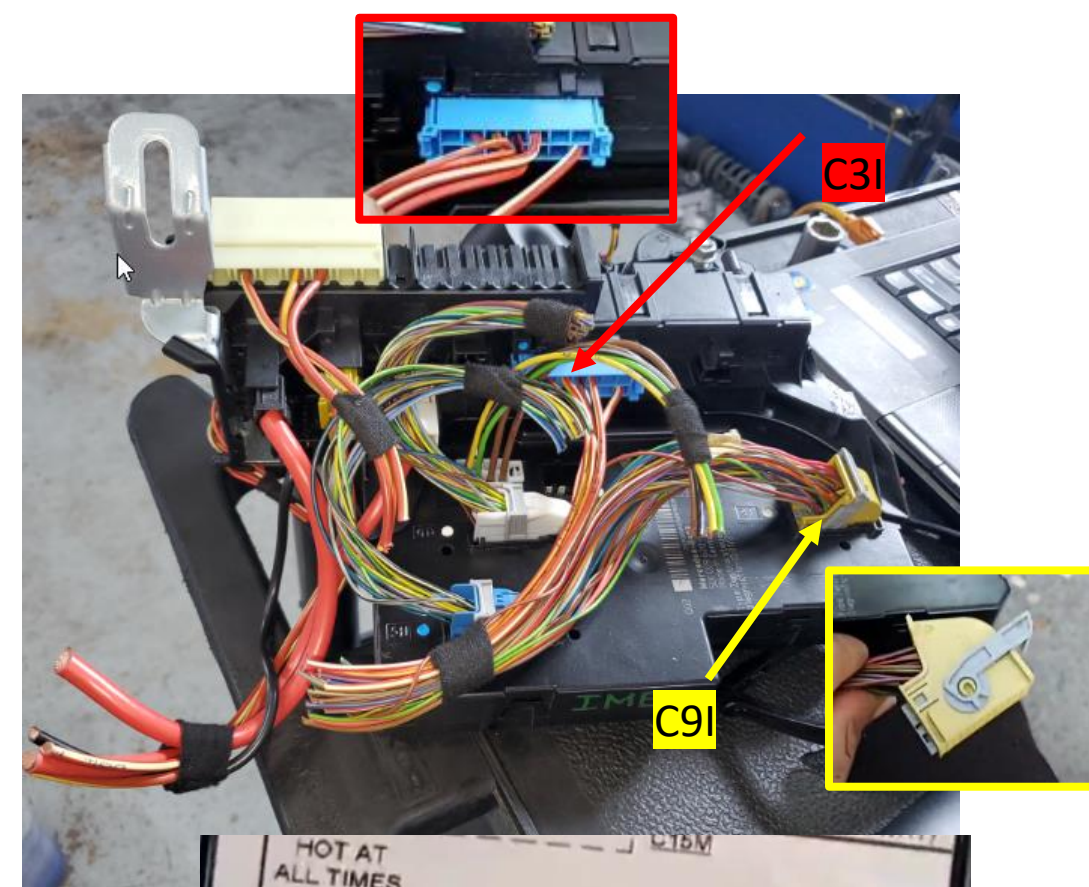
Rear of Car facing Trunk, behind passenger Trunk liner. Pulled my twisted pair through and routed/secured it with factory harness bundle to the connectors going to **Rear SAM module.**



Rear SAM Wiring

- I bought a used Rear SAM with pigtails off ebay for like \$60. I figured it had a variety of pins and connectors I could have as spares should I ever need to do any more wiring on the vehicle
- To Mimic factory wiring you need to make two connections to your existing wiring:
 - Power (Pin 3 of **C3I** (Blue Connector)) – **Note* Already exists so you must Tap into**
 - LIN B4 (Pin 19 of **C9I** (Gray Carrier inside of Yellow Connector))

Note* (Does not exist so you must add wire and terminal or do what I did)



Coding -

- Front SAM – Parameter Fanfaren (Turn off Horn)
 - FAF_Buzzer_lock – Nicht Active
 - FAF_Buzzer_unlock – Nicht Active
- Rear SAM - Parameter VTA Country (Enable Siren w/Panic Mode)
 - EDW_Country Parameter – RDW mit Panic
- EDW
 - Code Number of Beeps for Lock (I chose 1)
 - Code Number of Beeps for Unlock (I chose 3)
 - Code Country Parameter to Rest of World

Note* I tried with DTS Monaco at first but kept getting errors while trying to turn off Horn in Front SAM, so I used Vediamo and that worked with no issue.