



# INSTALLATION GUIDE

**2021+ BMW G8X M3/M4 Auxiliary Radiators**  
**SKU: MMRAD-G80-21A**

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## RESOURCES & CONTACT



**CALL 1-877-GOMISHI**

CUSTOMER SERVICE HOURS: MON-FRI 8:30AM-5:00PM EST



**MISHIMOTO**



**GOMISHIMOTO**



**MISHIMOTO**



**WEBSITE**

[WWW.MISHIMOTO.COM](http://WWW.MISHIMOTO.COM)



**ENGINEERING BLOG**

[WWW.MISHIMOTO.COM/ENGINEERING](http://WWW.MISHIMOTO.COM/ENGINEERING)

### IMPORTANT SAFETY INFORMATION

- › Mishimoto recommends you use safety glasses and protective gloves during the installation of our products
- › Raise vehicle only on jack stands or on a vehicle lift
- › Allow vehicle to cool completely prior to attempting installation
- › Do not run the engine or drive the vehicle while overheating; serious damage can occur
- › Please dispose of any liquids properly
- › Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products
- › If you need any assistance while installing our products, reach out to our Customer Service Team at 1-877-GOMISHI

### SUPPLIED PARTS

- (1) DRIVER SIDE AUXILIARY RADIATOR
- (1) PASSENGER SIDE AUXILIARY RADIATOR

### OPTIONAL PARTS [Sold Separately] [MMRAD-G80-21ARG]

- (2) ROCK GUARDS
- (8) M4 BUTTON HEAD BOLTS
- (8) LOCK WASHERS
- (8) FLAT WASHERS

### REQUIRED TOOLS

SOCKET DRIVER & EXTENSION

10MM SOCKET

13MM SOCKET

17MM WHEEL NUT SOCKET

[FOR LUG STUDS/WHEEL REMOVAL]

[MMTL-LUG-5]

TORQUE WRENCH

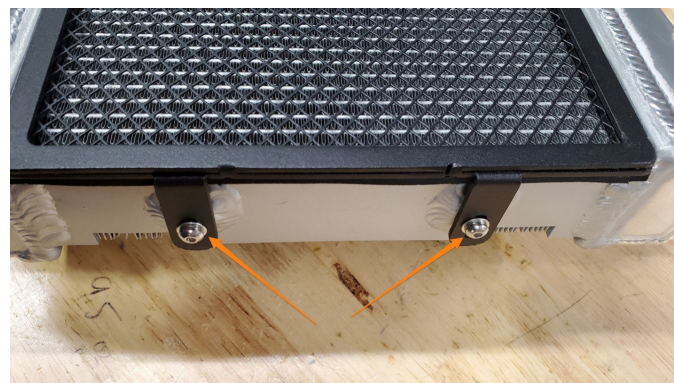
[FOR LUG STUDS/WHEEL REINSTALLATION]

### OPTIONAL TOOLS [Rock Guards Only]

2.5MM ALLEN KEY

### INSTALLATION INSTRUCTIONS

**01. (Optional)** If using Mishimoto rock guards [sold separately], attach one (1) rock guard to the front of each auxiliary radiator with the supplied M4 bolts, lock washers, and flat washers.



**01.** Safely raise the vehicle and support it with jack stands. Never work under a vehicle that is supported only with a jack. Using a 17mm socket, remove the driver-side wheel from the vehicle.

**02.** Using a 10mm socket, remove the fifteen (15) bolts [not all are shown below] securing the front section of the inner wheel arch cover, and remove the cover from the vehicle.



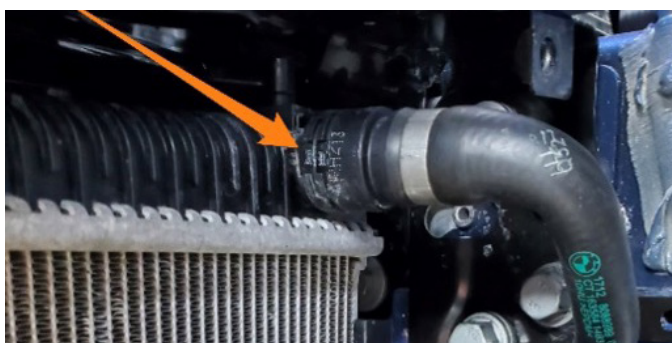
**03.** Using a 10mm socket, remove the bolt securing the air duct to the upper auxiliary radiator bracket. Then, using a 13mm socket, remove the two (2) bolts securing the upper auxiliary radiator bracket and remove the bracket from the auxiliary radiator.

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**04.** Drain the coolant into an appropriate container by removing the lower hose from the auxiliary radiator. Then, remove the upper hose from the auxiliary radiator and remove the auxiliary radiator from the vehicle. Properly dispose of the used coolant.



**05.** If Mishimoto rock guards (sold separately) are not being used, transfer the OEM rock guard from the OEM auxiliary radiator to the Mishimoto auxiliary radiator.



**06.** Install the OEM upper auxiliary radiator bracket onto the Mishimoto auxiliary radiator, as shown below.



**07.** Remove the dust caps from the inlet & outlet of the Mishimoto auxiliary radiator (if not already done) and install the Mishimoto auxiliary radiator into the vehicle. Using a 10mm socket, secure the air duct to the bracket with the bolt removed in step 3. Then, using a 13mm socket, secure the bracket to the vehicle with the two (2) bolts removed in step 3. Finally, install the upper and lower hoses onto the Mishimoto auxiliary radiator. (Image on next page)

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**08.** Using a 10mm socket, reinstall the inner wheel arch cover with the fifteen (15) bolts that were removed in step 2.

**09.** Using a 17mm wheel nut socket and torque wrench, reinstall the wheel and torque the wheel studs in a star pattern to 140 N-m (103 lb-ft).

**10.** Repeat steps 1-9 on the passenger side of the vehicle.

**11.** Refill and bleed the cooling system.

**Congratulations, you have finished the installation!**

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## DISPOSAL INSTRUCTIONS

- › Do not dispose of any product as unsorted municipal waste. Use separate collection facilities. Contact your local authority for information regarding the collection systems available.
- › Never improperly dispose of any coolant, oil, or other chemicals.

## WARRANTY INFORMATION



- › All claims must be accompanied with a picture of the Mishimoto product showing the issue for which the claim is being submitted.
- › Mishimoto asks that the customer inspect their purchased item for any damage immediately upon arrival.
- › Any product deemed dead on arrival (DOA) must be claimed within 14 business days of delivery. Claims outside of this time frame will not be covered under the Mishimoto Lifetime Warranty.
- › This warranty does not include payment and/or reimbursement of the cost of labor in connection with the removal of any product returned pursuant to the warranty policy or in connection with the installation of any replacement items provided under the warranty policy.
- › Mishimoto has the right to refuse a claim at any time.

- › When Mishimoto accepts a claim, Mishimoto retains full discretion to choose if it will: (i) repair or replace purchaser's original Mishimoto product; (ii) replace purchaser's original Mishimoto product with the most current available model; or (iii) provide the purchaser with a gift card redeemable on [Mishimoto.com](https://www.mishimoto.com) in the amount of the original purchase price of the original Mishimoto product. The provision of a replacement of a Mishimoto product is subject to availability and Mishimoto retains the right to substitute any warranty claim item with a comparable item or credit at any time.
- › If Mishimoto determines that it will provide a replacement item in connection with a claim under this warranty policy, and such item is out of stock, Mishimoto will place the customer on backorder and ship the replacement product to the purchaser once it becomes available.
- › Mishimoto is not liable for incorrect shipments in connection with a claim if a claim form is completed incorrectly, or if a model number is not included in a claim.
- › If you have a vehicle equipped with an automatic transmission, please make sure to specify this within the text box on the claim form. Mishimoto is not responsible for incorrect replacement shipments if transmission type is not indicated.



**WARNING**  
Cancer and  
Reproductive Harm  
[www.P65Warnings.ca.gov](https://www.P65Warnings.ca.gov)

This product can expose you to chemicals which are known to the state of California to cause cancer. For more information visit: [www.p65warnings.ca.gov](https://www.p65warnings.ca.gov)