

# INSTALLATION GUIDE

**2018+ JEEP WRANGLER JL/2020+ JEEP GLADIATOR JT  
PERFORMANCE TRANSMISSION COOLER | SKU: MMTC-JL-18**

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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 install of their 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

PURCHASE INCLUDES	
DESCRIPTION	QUANTITY
TRANSMISSION COOLER	1
ALUMINUM SPACERS	4
NOTE CARD	1
WASHERS	4
SCREWS	4
BOLTS	2

### TOOLS NEEDED

- |             |               |
|-------------|---------------|
| 8MM SOCKET  | 10MM WRENCH   |
| 10MM SOCKET | 1" WRENCH     |
| RATCHET     | PICK TOOL     |
| EXTENSION   | POP CLIP TOOL |
| 8MM WRENCH  | 4MM ALLEN KEY |

**INSTALLATION TIME 2.5 HOURS**

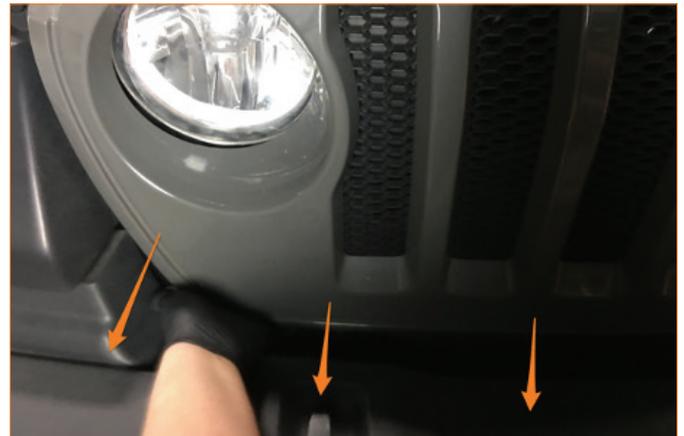
**INSTALLATION DIFFICULTY** 

### INSTALLATION INSTRUCTIONS

**01.** Remove pop clips from top of front grille (6x pop clips).



**02.** Pull outward on bottom of grille to remove it from the vehicle.



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- 03.** Disconnect the intake air temperature sensor and remove the harness clip.



- 04.** Loosen the air intake tube connection (1x worm gear clamp).



- 05.** Unbolt the intake tube from the fan shroud (2x 10mm bolts).



- 06.** Remove the vacuum lines from the intake air box and then remove the air intake assembly from the vehicle. (2x vacuum lines)

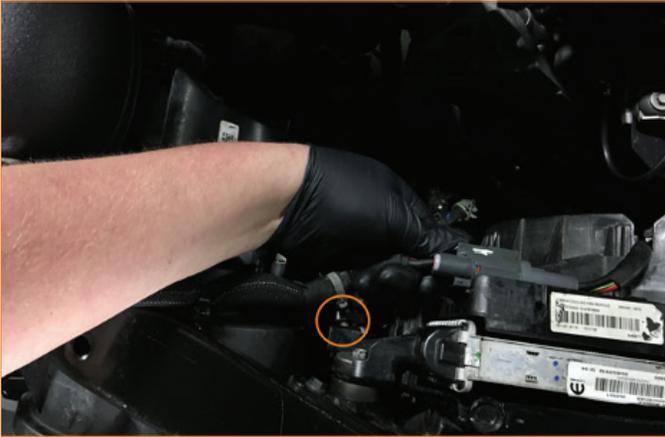


- 07.** Remove the radiator cover from the vehicle (4x tree clips).



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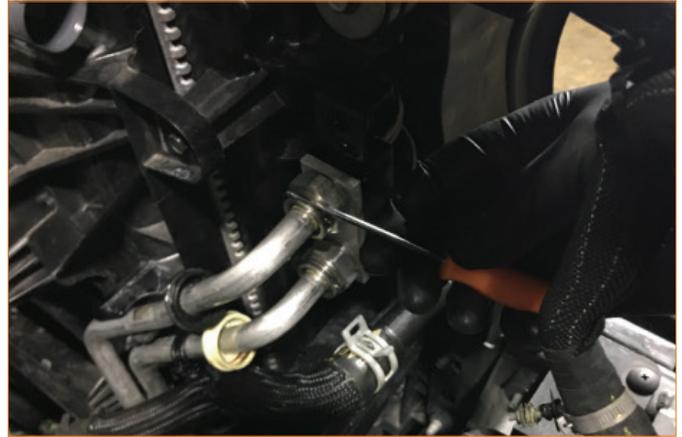
- 08.** Disconnect the radiator fan harness (1x electrical connector and 1x tree clip).



- 09.** Remove the passenger-side headlight from the vehicle (3x 10mm bolts and 1x electrical harness connector).



- 10.** Remove the transmission lines from the quick-disconnect fittings on the transmission cooler (2x spring clips).



- 11.** Remove the bolts securing the top of the radiator to the radiator support (2x 10mm bolts).



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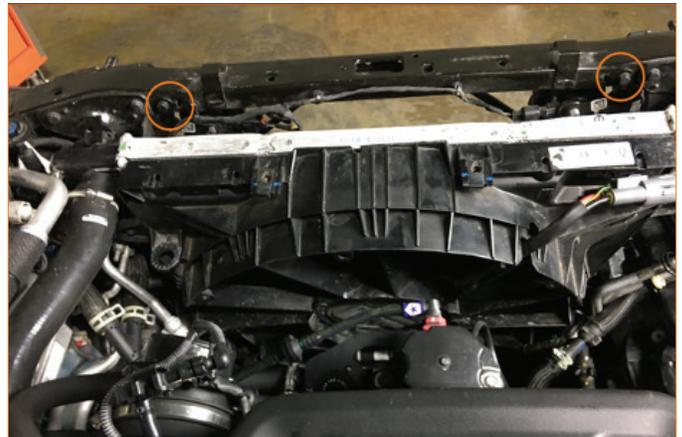
12. Remove the bolts securing the transmission cooler to the passenger side of the radiator (2x 8mm bolts).



13. Pull back on the tab located on the driver side of the radiator that secures the transmission cooler to the radiator and remove the transmission cooler from the vehicle.



14. Remove the bolts that secure the horn brackets to the radiator support (2x 10mm bolts) and replace them with provided allen bolts (2x 4mm allen bolts).



15. Transfer the quick-disconnect fittings from the stock transmission cooler to the Mishimoto transmission cooler (2x quick disconnect fittings)



16. Reinstall the spring clips onto the quick-disconnect fittings (2x spring clips).

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17. Install the Mishimoto transmission cooler into the vehicle (2x 8mm bolts).



18. Reinstall the bolts that secure the radiator to the radiator support (2x 10mm bolts).

19. Reinstall the transmission lines into the quick-disconnect fittings



20. Reinstall the passenger-side headlight (3x 10mm bolts and 1x electrical harness).
21. Reinstall the radiator cover (4x tree clips).
22. Reinstall the intake assembly (2x 10mm bolts and 1x worm gear clamp).
23. Reconnect the intake air temperature sensor and clip it in place.
24. Reinstall the front grille (6x pop clips).
25. Start vehicle and check for leaks, check fluid level and adjust as needed.

**Congratulations! You have finished installing the Mishimoto 2019+ Ford Ranger Performance Air Intake.**

***\*For Disposal Instructions and Warranty Information continue to the following page.***

## 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)