



INSTALLATION GUIDE

2019+ FORD RANGER PERFORMANCE AIR INTAKE | SKU: MMAI-RGR-19



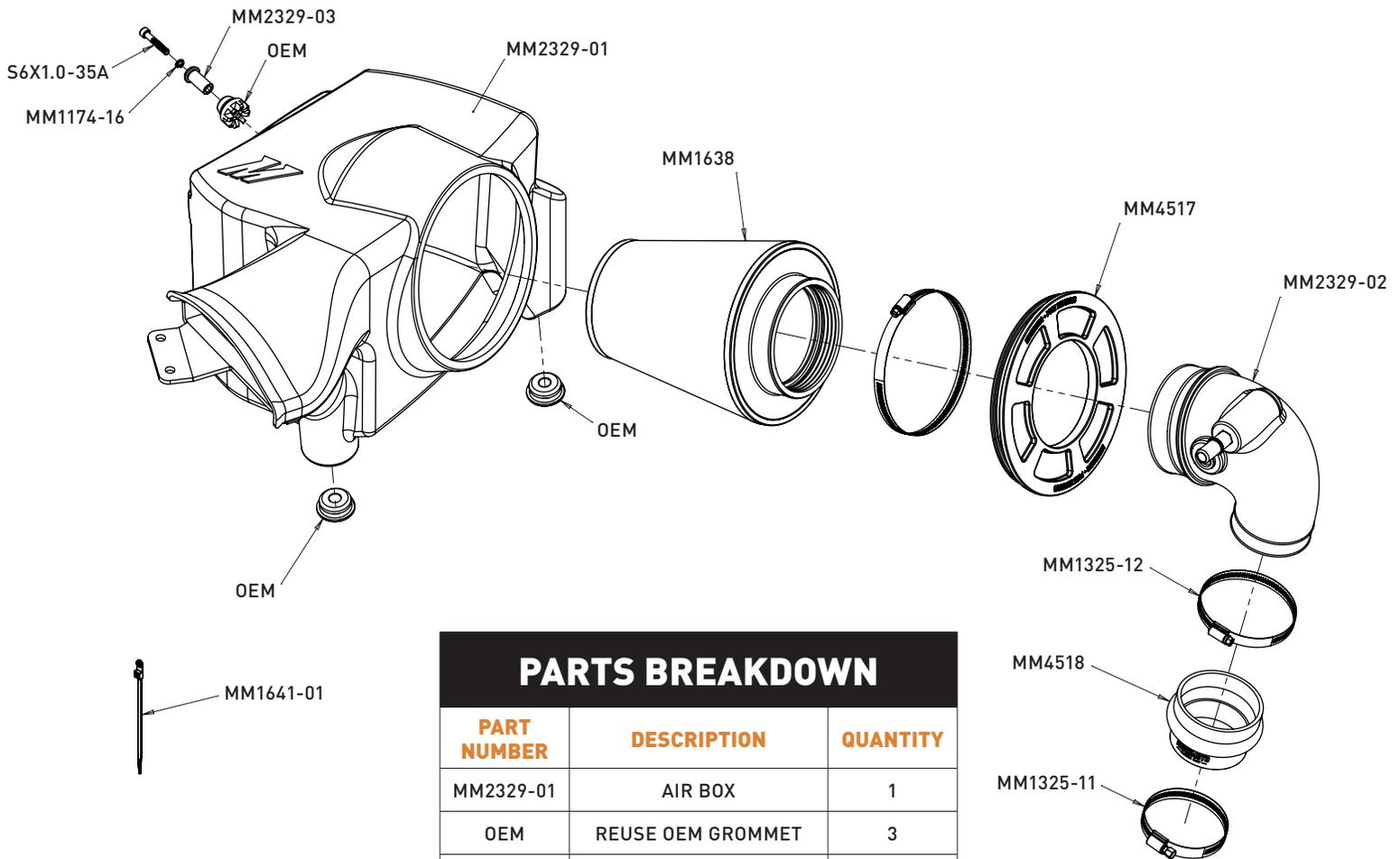
SCAN CODE OR CLICK HERE TO WATCH THE INSTALLATION VIDEO

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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
-  **ENGINEERING BLOG**
WWW.MISHIMOTO.COM/ENGINEERING



PARTS BREAKDOWN

| PART NUMBER | DESCRIPTION | QUANTITY |
|-------------|--------------------|----------|
| MM2329-01 | AIR BOX | 1 |
| OEM | REUSE OEM GROMMET | 3 |
| MM2329-03 | PEG | 1 |
| MM1174-16 | LOCKING WASHER | 1 |
| S6X1.0-35A | BOLT | 1 |
| MM1638 | AIR FILTER & CLAMP | 1 |
| MM4517 | FILTER DONUT | 1 |
| MM2329-02 | INTAKE TUBE | 1 |
| MM1325-12 | WORM GEAR CLAMP | 1 |
| MM4518 | COUPLER | 1 |
| MM1325-11 | WORM GEAR CLAMP | 1 |
| MM1641-01 | MOUNTABLE ZIP TIE | 1 |

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

TOOLS NEEDED

| | |
|----------------------|---------------|
| 1/4" DRIVE RATCHET | 7MM SOCKET |
| 1/4" DRIVE EXTENSION | 5MM ALLEN KEY |
| 8MM SOCKET | PICK TOOL |

INSTALLATION TIME 1 HOUR

INSTALLATION DIFFICULTY 

INSTALLATION INSTRUCTIONS

01. Read all important safety information prior to installing our products.
02. Remove the snorkel from the intake. (2x 8mm bolts)



03. Disconnect the air intake sensor and condenser sensor.
04. Undo the clips holding the harness to the airbox. (2x tree-clips)



05. Separate the quick-disconnect by pulling the yellow tab out.



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06. Separate the coolant line from the intake tube.



07. Loosen the clamps on either end of the intake tube.
(2x worm gear clamps)



08. Remove the intake tube.

09. Remove the bolts holding the airbox. (2x 8mm bolts)



10. Lift the airbox and push toward the engine to disengage the rubber grommet.

11. Using a pick tool, lift the tab on the sensor and rotate counterclockwise.



12. Carefully push the sensor out from the inside.

13. Set the sensor into the Mishimoto intake tube, align the tabs, and turn clockwise.



14. Remove the two inserts and grommets from the stock airbox.



15. Insert the rubber grommets into the Mishimoto airbox.

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16. Place the inserts within the grommets.



17. Remove the side grommet from the stock airbox.

18. Assemble the peg found in your kit by placing the spring washer on the bolt and place the bolt within the peg.



19. Install the assembled peg into the Mishimoto airbox. (5mm Allen key)



20. Install the side grommet over the peg.



21. Install the airbox by aligning the side peg first, then the bolt holes.

22. Insert the wiring clip into the hole in the airbox, then run the wiring harness below the intake.



23. Bolt down the Mishimoto airbox. (2x 8mm bolts)



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24. Bolt down the Mishimoto intake duct. (2x 8mm bolts)



25. Slide the intake grommet over the intake tube with the words facing out.



26. Slide the air filter over the intake tube. (1x worm gear clamp)



27. Place the smaller end of the intake coupler over the intake.



28. Slide the intake filter in first, and then rotate it to align with the coupler.



29. Once aligned, push the rubber grommet into place.

30. Reconnect the vacuum line and engage the tab to secure it.



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31. Tighten the clamps on either end of the intake coupler.
(2x worm gear clamps)

32. Reconnect the intake and condenser sensors.



33. Wrap and secure the provided zip tie around the blow-off valve hose. Now attach this zip tie to the tree-clip zip tie that is already mounted on the coolant hose. The tree clip on the stock zip tie will push into the hole on the provided zip tie.



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

****For Care & Maintenance, Disposal Instructions, and Warranty Information continue to the following page.***

CARE & MAINTENANCE

- › Mishimoto recommends that you properly clean your air filter every 12,000 miles.
- › Please refer to Mishimoto's website to learn how to properly care for your air filter.

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

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