



# Installation Instructions

08-11 RAPTOR 250 TWIN

**BE SURE TO REGISTER YOUR DMC EXHAUST ONLINE AT WWW.DMC-ON-LINE.COM**

Thank you for choosing to install the finest exhaust system available. DMC uses only the latest technology to deliver big gains in acceleration, horsepower and torque, while capturing additional strength and critical weight savings.

Please read all instructions carefully and thoroughly before installing this system. Any references to "left" or "right" indicates sides as if you were sitting on the bike facing forward.

### PARTS INCLUDED

- (2) Mufflers with Brackets & Hardware
- (1) Header/Veloccity Splitter
- (2) Mid Pipes
- (1) Heat Shield Kit

### TOOLS REQUIRED

- 12, 13mm box wrenches
- 12mm and 13mm Socket, 2" extension, and ratchet
- 4mm Allen Wrench (included)

**NOTE:** To prevent exhaust leaks, we recommend inspection and replacement of the exhaust gasket if necessary upon installation.

### REMOVAL PROCEDURE

1. Be sure engine and exhaust are cool to the touch before beginning.
2. Loosen and remove all the mounting bolts that secure your stock system. Keep them as some will be used in installation.
3. Remove your stock exhaust components.
4. Locate the furthest back bolt hole where the push bar and fender brace are secured. Remove the bolt on each side.



**Bolt location: furthest back at fender brace and push bar mounting hole**

### STEP #11

Be sure you lift the header up before tightening.

This will provide clearance between the left midpipe and rear subframe.

SEE ARROW FOR CLEARANCE AREA



### INSTALLATION PROCEDURE

5. Remove the front mounting bolt on the left rear fender. Starting at the left rear of the ATV, install the left midpipe (the longer of the two midpipes) by inserting the flared (larger diameter end) end towards the front of the ATV. Follow a path starting under the left rear fender, over the sub-frame tube, under the airbox and around the front of the rear shock absorber, ending on the right side of the ATV, inside the frame rail
6. Inspect the exhaust port for cleanliness and exhaust gasket for wear. Replace if necessary. Now, place the Header/Veloccity Splitter into position and loosely attach the flange to the cylinder head. Insert the left mid pipe onto the LOWER velocity splitter tube.
7. Next, from the right rear of the ATV, install the right midpipe (the shorter of the two midpipes) by inserting with the flared (largest diameter) end first and following the same path as the stock exhaust system midpipe. Insert the right mid pipe onto the UPPER velocity splitter tube.



**Install header with velocity splitter and route midpipes as shown.**

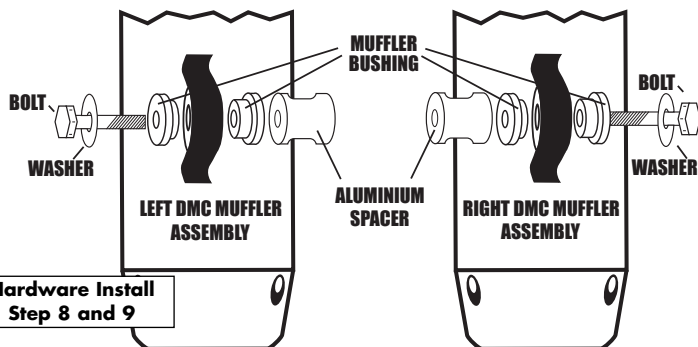


**Install midpipes with the flared end fitting over the Velocity Splitter**

8. Insert midpipe into left muffler and secure loosely to the push bar mount using the 8x65mm bolt and spacer.
9. Insert right muffler into this midpipe assembly and secure loosely to the push bar mount using the 8x65mm bolt and spacer
10. Prior to tightening any bolts or nuts, ensure entire exhaust system is free of any binding or stress. Re-attach the front mounting bolt on the left rear fender.
11. (SEE DIAGRAM ABOVE) Before you torque the exhaust flange to the factory specifications, lift the header up (away from the engine case). This will insure proper clearance between the left midpipe and the sub-frame. After you tighten the header, check to make sure that the header did not change position and allow the left midpipe to touch the sub-frame.
12. Once you have the mufflers aligned, tighten the bolts fastening the muffler to the sub-frame.
13. Install the heatshield using the hardware supplied.
14. Insure pipe does not contact any cables, hoses or frame.

— DO NOT OVERTORQUE —

**FOLLOW OEM TORQUE SPECS UNLESS NOTED OTHERWISE**



www.spectro-oils.com

**DMC recommends using Spectro Oils for maximum protection.**

## U.S. FORESTRY APPROVED SPARK ARRESTORS

U.S. Forestry Approved Spark Arrestors are included with every Afterburner Exhaust. To access your Spark Arrestor, simply remove the four allen screws from the endcap using the supplied allen wrench.

## JETTING / AIR-FUEL MIX

Your Raptor 250 is carbureted and although it's not necessary, you may want to install an aftermarket Jet Kit to improve horsepower, torque, and performance gains. DynoJet offers a Jet Kit for your Raptor 250, #81-Q435.



## START UP PROCEDURE

1. After completing installation, start your engine in a well-ventilated area and check for any exhaust leaks.
2. We recommend riding for 30 minutes to allow components to properly seat.
3. Allow engine to cool down and recheck all fasteners.

## DMC EXHAUST REPLACEMENT PARTS

- USFS Approved Spark Arrestor #25911-10
- S.O.S. Quiet Core Insert #25911-20
- DMC Repack Cartridge #25911-47

## AFTERMARKET PERFORMANCE ACCESSORIES

- K&N Air Filter: Call
- No Toil Foam Filter: #NT380-03
- ATV Power Pack 23-Q435
- PRO ATV Power Pack 23-Q435P
- DynoJet Jet Kit 81-Q435

## MAINTENANCE

**Please allow exhaust system to cool prior to washing or repair.** DMC recommends using a mild soap such as dish detergent and water to wash your exhaust system. You should not allow water to enter the silencer outlet while washing your bike or ATV. As we all know, sound is a major issue, which can affect whether or not we continue to enjoy our sport without offending others. Your system performs best and will last longer when the silencer is properly maintained. Repacking your silencer depends on the type of riding and the amount of hours on the bike. On a big-bore four-strokes, frequent high speed riding will shorten the life of the packing. Your ears are the best guide to knowing when to repack, but as a rule, every 20-30 hours is a good guideline to inspect and replace if necessary. If and when it is time to repack, please use DMC Afterburner Repack Kits as they were tested and designed to provide the best performance. To keep your spark arrestor clean, first remove it from your muffler, then use a soft bristled brush and soapy water.

## TECHNICAL SUPPORT

If you ever lose your instructions or need additional information, simply visit the DMC website where we offer all the installation information that came with your DMC exhaust. If, at any time, there is further news regarding modifications, jetting adjustments, or other, the DMC website is a great source for obtaining the latest news.

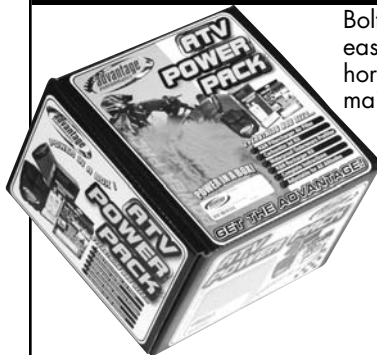
## WARRANTY

Since we designed, developed and manufactured your DMC Exhaust to provide reliable performance, we guarantee your system for one year (from date of purchase) against defects in materials and workmanship. We are proud of our attention to the quality of manufacturing your DMC product and we stand behind our products. In the unlikely event a problem arises with your system, please contact the dealer from whom it was purchased. They can contact DMC and get your system to us for a warranty determination. A copy of your receipt will be required. We will make every attempt for a prompt repair or replacement at our determination and expense. It is important to note that our warranty is not unconditional. Although your DMC product was made with the finest materials and hand crafted to strict standards, it is not indestructible. Therefore, our warranty does not cover product damage as a result from abuse, misuse, improper installation, modifications or lack of maintenance. We also do not cover any damages whether consequential, incidental, special, contingent or otherwise: or expenses or injury arising directly or indirectly from the use of the exhaust system.

As with any product, your DMC system should be expected to experience normal wear, which is not covered by any warranty. The duration of any and all implied warranties are limited to the duration of the express warranty.

**There are other choices out there, but Advantage Power Packs are the only ones with GENUINE Pro Design and K&N components. Advantage Power Packs are also the only ones that include a K&N recharger kit. There is a difference. DON'T ACCEPT IMITATIONS!**

## ATV POWER PACK AVERAGE 15% HORSEPOWER INCREASE



Bolt-on performance has never been so easy. Kits install in minutes, improve horsepower and throttle response while maintaining optimum fuel economy.

- ✓ K&N Filtercharger Air Filter
- ✓ DynoJet Jet Kit
- ✓ Waterproof Outerwears Prefilter
- ✓ K&N Recharger Kit
- ✓ Adjustable for all altitudes



DynoJet



Outerwears



## PRO ATV POWER PACK AVERAGE 19% HORSEPOWER INCREASE



Bolt-on performance has never been so easy. Kits install in minutes, improve horsepower and throttle response while maintaining optimum fuel economy.

- ✓ Pro Design Billet Base Plate
- ✓ K&N Filtercharger Air Filter
- ✓ DynoJet Jet Kit
- ✓ Waterproof Outerwears Prefilter
- ✓ K&N Recharger Kit
- ✓ Adjustable for all altitudes



DynoJet



Outerwears

