



2020+ INDIAN CHALLENGER 2-1 FULL SYSTEM

DARK HORSE / LIMITED / ELITE

Part # 005-5540199 / 005-5530119 / 005-5480199



BILL OF MATERIALS

1	Front Header	005-54801HF
1	Rear Header	005-54801HR
1	Muffler	005-548-M
1	Muffler Bracket	005-548-B
2	Long Luggage Brackets	005-548-B1
1	Luggage Bracket Lower Left	005-548-BL
1	Luggage Bracket Lower Right	005-548-BR
2	Spring 45mm	005-S45
1	Spring Puller	005-SP
2	Clip Nut	005-10-516CN
1	Heat Shield	005-548-HS1
1	Heat Shield	005-548-HS2
2	O2 Sensor Kit	005-22-92KIT
2	5/16"-18 x 3/4" Flange Bolt	005-FB51634
4	8mm Flange Nut	005-FN8
8	6mm Flange Nut	005-FN6
5	Hose Clamps	005-HC-64024
1	Sticker Kit	015-10212

INSTALLATION INSTRUCTIONS

1. Make sure bike is completely cool before starting the installation. Make sure the bike is secure on the sidestand or ideally a service lift.
2. Remove footpegs and bags. To remove bags, unscrew side tabs and covers. (Reference images 1)
3. Remove side panels and disconnect bag wiring locking system. (Reference images 2)
4. Remove bags from both sides. Remove antennae wiring connection and unscrew antenna from bracket. (Reference images 3)



Image 1



Image 2



Image 3



5. Remove heat shields from headers and muffler for easier removal of the stock exhaust system and access to the drive belt cover panel to remove. (Reference images 4)
6. It is recommended to remove the drive belt cover in order to easily access the header bolts. Begin removing the drive belt cover including front section panel, foot peg panel and back panel (3 sections). Remove passenger foot peg (Reference images 5)
7. Remove headers, CAT and left exhaust from the bracket in order to remove entire system. Remove O2 sensors prior to removing entire system from the bike. (Reference image 6)
8. Install the TBR supplied bracket to the swingarm. (Reference image 7)



Image 4



Image 5



Image 6



IMPORTANT - PLEASE READ CAREFULLY: We recommend that this performance part be installed by a qualified motorcycle technician. If you have any doubts as to your ability to install this performance part, please consult with your local motorcycle dealer. Read all instructions first before starting installation. Make sure the motorcycle and exhaust system are completely cool before starting the installation. Also, make sure the bike is secure on a center stand or ideally a service lift during installation. Be sure to save all stock components for possible use later.

WARRANTY: Two Brothers Racing products are intended for closed course competition purposes only, and therefore are sold "as is" without warranty. Two Brothers Racing specifically disclaims any warranties of merchantability or fitness for a particular purpose and disclaims all responsibility for consequential and incidental damages or any other losses arising from the use of these products or parts.



Image 7



Image 8

9. Install new heat shields on the new exhaust headers beforehand to have it ready for install. (Reference image 8)
10. Thread the O2 sensor adapters and install sensors. (Reference image 9)
11. Loosely install the front and rear headers using the OEM flange nuts. *Note, it may be helpful to use a "flex" or "swivel" socket with extension to reach the flange nuts.
12. Attach the 2 supplied clip nuts to the back of the bracket welded to the muffler. (Reference image 10)



Image 9



Image 10

13. Fit the muffler to the headers. It may help to have a friend assist and tap the muffler with a rubber mallet to help secure it onto the headers all of the way. (Reference Image 11)
14. Attach the bracket to the welded bracket on the muffler using the supplied flange bolts.
15. Install the supplied springs attaching the headers to the muffler assembly.
16. Install the supplied long brackets (A) for the luggage towards the front and lower luggage brackets (B) towards the back to re-install the bags.
17. Ensure the exhaust has clearance around the engine before tightening the flanges and muffler bracket down. (Reference Image 12)
18. Once everything is tightened and inspection complete, re-install panel covers and footpegs.



Image 11



Image 12

19. Before you run the bike, clean off all fingerprints and dirt, as any oily residue will etch the metal and become somewhat permanent when the system gets hot. Run the bike and enjoy. It is normal for some white smoke to appear the first time you start the bike. This is packing/manufacturing oil from inside the pipe burning off. Check for gaps or leaks. If you find a leak, a little high temperature silicon sealant should fix it. After 50 to 100 miles, recheck all fasteners for tightness.

Care & Cleaning

Keep system free of dirt and moisture. Store in a cool, dry place. Make sure vehicle is completely cool before maintenance.

Stainless Header System: Polished stainless steel pipes will turn a light golden hue after a few heat cycles, this is a normal characteristic of high quality stainless steel. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

Titanium Header System: Polished titanium pipes will experience color shift ranging from deep blue/purple through amber after a few heat cycles. This is a normal characteristic of high quality titanium. Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

Polished Aluminum Canisters: Use an aluminum or mag wheel polish to restore the bright finish to factory spec.

Brushed Aluminum Canisters: Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth.

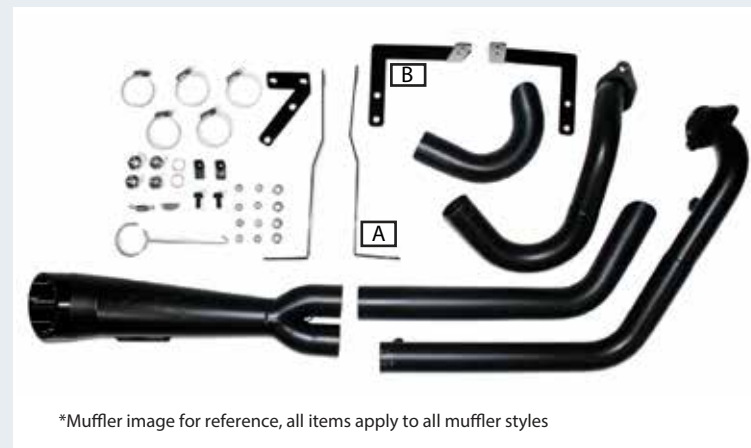
Carbon Fiber Canisters: Clean using a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. Always make sure the fiberglass packing inside is in good condition and not burned out, as exhaust heat inside an empty canister will deteriorate the carbon fiber sleeve. TBR sells repack kits (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

Titanium Mufflers: For cleaning use a mild water based spray cleaner. Always apply cleaner or polish with a soft, clean cloth. Always make sure the fiberglass packing inside is in good condition and not burned out, as exhaust heat inside an empty canister will deteriorate the carbon fiber sleeve. TBR sells repack kits (Road - #005-10038, Offroad - #005-10038MX) that include everything you need to easily do it yourself.

Repack all road canisters at the first signs of packing material deterioration. Part #005-10038

Repack all offroad canisters after every 10 hours of use. Part #005-10038MX

NEVER dyno test your bike with carbon fiber or titanium canisters installed - the intense heat and lack of cooling air can quickly burn through the canister material. Two Brothers Racing does not provide a warranty for burned canisters.



*Muffler image for reference, all items apply to all muffler styles

BILL OF MATERIALS

1	Front Header	005-54801HF
1	Rear Header	005-54801HR
1	Muffler	005-548-M
1	Muffler Bracket	005-548-B
2	Long Luggage Brackets	005-548-B1
1	Luggage Bracket Lower Left	005-548-BL
1	Luggage Bracket Lower Right	005-548-BR
2	Spring 45mm	005-S45
1	Spring Puller	005-SP
2	Clip Nut	005-10-516CN
1	Heat Shield	005-548-HS1
1	Heat Shield	005-548-HS2
2	O2 Sensor Kit	005-22-92KIT
2	5/16"-18 x 3/4" Flange Bolt	005-FB51634
4	8mm Flange Nut	005-FN8
8	6mm Flange Nut	005-FN6
5	Hose Clamps	005-HC-64024
1	Sticker Kit	015-10212