

TBR

2008-2017 HD DYNA

Shotgun Style Dual Shorty 3"
Slip-Ons Part # 005-4710499D



BILL OF MATERIALS

2	TBR Universal Slip Ons	
4	Carriage Bolts 5/16 x 1 1/4"	005-CB516114
2	Carriage Bolts 5/16 x 3/4"	005-CB51634
4	Locking Flange Nut 5/16	005-LN516
1	Brackets	005-471-B
2	TBR Badge	

INSTALLATION INSTRUCTIONS

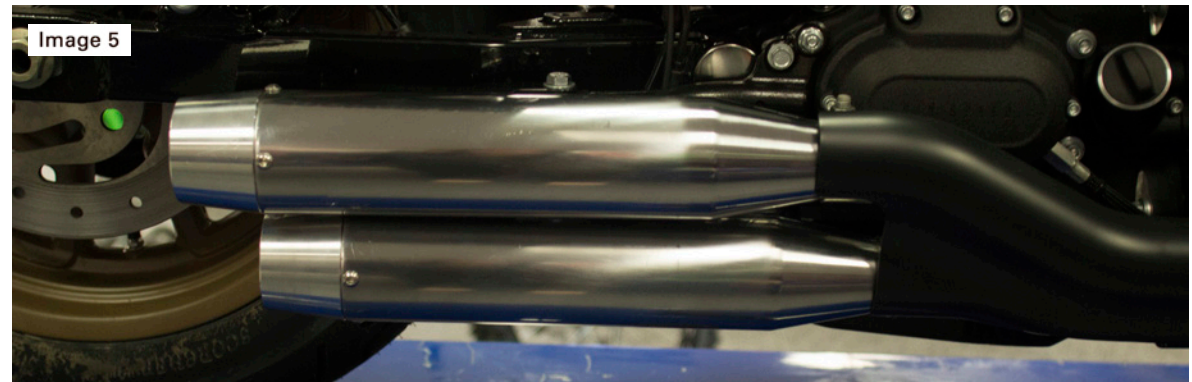
1. Make sure the motorcycle is completely cool before starting the installation.
2. Remove the OEM muffler bracket bolts and loosen then muffler clamps. (Reference images 1 & 2)



3. Remove the OEM mufflers. (Reference image 3)
4. Install one of the 3/4" Carriage Bolts in to the bracket on the back of EACH muffler and slide the bolt towards the end of the muffler. (Reference image 4)



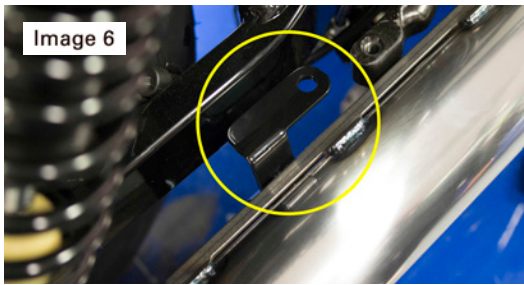
5. Slide the OEM muffler clamps onto the TBR mufflers and install them on the bike. (Reference image 5)



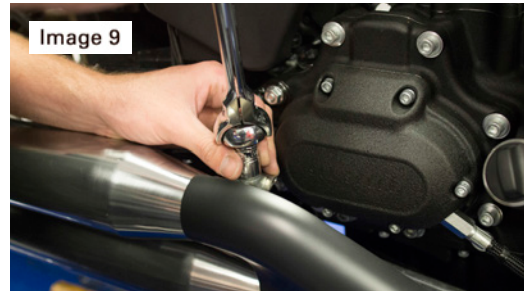
6. Install the supplied mounting bracket onto the back of the mufflers and loosely secure it using the Carriage Bolts (already installed on step 4) and supplied locking nuts as shown. (Reference images 6 & 7)

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.



7. Now slide the mounting bracket up to the mounting point on the motorcycle and bolt it to the bike using the OEM bolt. **(Reference image 8)**
8. Ensure the bracket is lined up correctly on the back and the exhaust is fully installed onto the headers. Now tighten the muffler clamps and bracket. **(Reference image 9)**



9. 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.



BILL OF MATERIALS

2	TBR Universal Slip Ons	
4	Carriage Bolts 5/16 x 1 1/4"	005-CB516114
2	Carriage Bolts 5/16 x 3/4"	005-CB51634
4	Locking Flange Nut 5/16	005-LN516
1	Brackets	005-471-B
2	TBR Badge	



1991-2017 HD DYNA

Staggered Dyna Dual Shorty 3"
Slip-Ons Part # 005-4710499D



BILL OF MATERIALS

2	TBR Universal Slip Ons	
4	Carriage Bolts 5/16 x 1 1/4"	005-CB516114
2	Carriage Bolts 5/16 x 3/4"	005-CB51634
4	Locking Flange Nut 5/16	005-LN516
1	Brackets	005-471-B
2	TBR Badge	

INSTALLATION INSTRUCTIONS

1. Make sure the motorcycle is completely cool before installation
2. Remove the OEM Mufflers and muffler bracket. **(Reference image 1)**
3. Install 2 of the 1 1/4" Carriage Bolts in to the bracket located on the bottom of EACH muffler and slide the bolts towards the end of the muffler. **(Reference image 2)**



Image 1



Image 2

4. Using the OEM muffler clamps, slide the TBR mufflers onto the head pipes.
5. Reinstall the OEM bracket and fasten it to the mufflers using the carriage bolts and OEM nuts. Note: Rotating the bracket slightly towards the swing arm will help hide the bracket. **(Reference image 3)**



Image 3

6. Ensure the mufflers and bracket are lined up correctly and begin to tighten all hardware
7. 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.

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Care & Cleaning

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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.

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TBR

2014-17 HD SPORTSTER

Sportster / Dyna Dual Shorty 3"
Slip-Ons Part # 005-4710499D

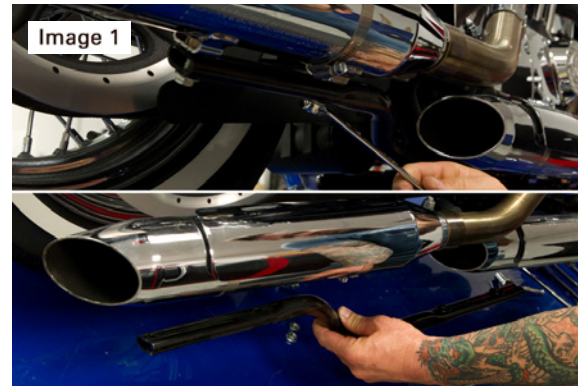


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1	Brackets	005-471-B
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INSTALLATION INSTRUCTIONS

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2. Remove the OEM Mufflers and muffler bracket. **(Reference image 1)**
3. Install 2 of the 1 1/4" Carriage Bolts in to the bracket located on the bottom of EACH muffler and slide the bolts towards the end of the muffler. **(Reference image 2)**



4. Using the OEM muffler clamps, slide the TBR mufflers onto the head pipes.
5. Reinstall the OEM bracket and fasten it to the mufflers using the carriage bolts and OEM nuts. **(Reference image 3)**



6. Ensure the mufflers and bracket are lined up correctly and begin to tighten all hardware.
7. 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.

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