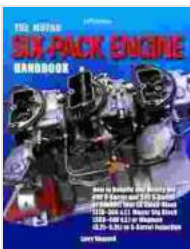


How to Rebuild and Modify the 440 Barrel and 340 Barrel or Convert Your LA Small Block to Accept a 440/340 Barrel

The 440 and 340 barrels are two of the most popular engine components for performance enthusiasts. They offer a number of advantages over stock barrels, including increased airflow, improved fuel economy, and increased horsepower. If you're looking to improve the performance of your engine, rebuilding or modifying your 440 or 340 barrel is a great place to start.



The Mopar Six-Pack Engine Handbook HP1528: How to Rebuild and Modify the 440 6-Barrel and 340 6-Barrel or Convert Your LA Small-Block (318-360 c.i.), Mopar ... Block (383-440 c.i.) or Magnum (5.2L-5.9L) by Larry Shepard

★★★★☆ 4.3 out of 5

Language	: English
File size	: 55566 KB
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Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 256 pages
Screen Reader	: Supported



In this article, we'll walk you through the process of rebuilding and modifying your 440 or 340 barrel. We'll also provide instructions on how to convert your LA small block to accept a 440/340 barrel.

Rebuilding and Modifying Your 440 or 340 Barrel

Before you begin rebuilding or modifying your 440 or 340 barrel, it's important to gather all the necessary tools and materials. You will need the following:

* A set of wrenches * A set of sockets * A torque wrench * A hammer * A chisel * A punch * A gasket set * A bottle of carburetor cleaner * A bottle of brake cleaner * A bottle of penetrating oil * A rag * A flashlight

Once you have all the necessary tools and materials, you can begin rebuilding or modifying your 440 or 340 barrel.

Disassembly

The first step is to disassemble the 440 or 340 barrel. To do this, you will need to remove the following components:

* The carburetor * The intake manifold * The valve covers * The rocker arms * The pushrods * The lifters * The camshaft * The timing chain * The oil pan

Once you have removed all of the components, you can begin cleaning the 440 or 340 barrel.

Cleaning

The next step is to clean the 440 or 340 barrel. To do this, you will need to use a carburetor cleaner, a brake cleaner, and a penetrating oil.

First, spray the carburetor cleaner into the carburetor and let it sit for a few minutes. Then, use a rag to wipe away the dirt and grime.

Next, spray the brake cleaner into the intake manifold and let it sit for a few minutes. Then, use a rag to wipe away the dirt and grime.

Finally, spray the penetrating oil onto the bolts and nuts that hold the 440 or 340 barrel together. Let the penetrating oil sit for a few minutes, then use a wrench or socket to remove the bolts and nuts.

Inspection

Once you have cleaned the 440 or 340 barrel, you need to inspect it for any damage. Look for cracks, warps, or other damage. If you find any damage, you will need to replace the 440 or 340 barrel.

Reassembly

Once you have inspected the 440 or 340 barrel, you can begin reassembling it. To do this, you will need to install the following components:

* The oil pan * The timing chain * The camshaft * The lifters * The pushrods
* The rocker arms * The valve covers * The intake manifold * The carburetor

Once you have reassembled the 440 or 340 barrel, you will need to torque the bolts and nuts to the proper specifications.

Testing

Once you have rebuilt or modified your 440 or 340 barrel, you need to test it to make sure it is working properly. To do this, you will need to install the 440 or 340 barrel on your engine and start the engine.

Let the engine run for a few minutes, then check for any leaks. If you find any leaks, you will need to tighten the bolts and nuts until the leaks stop.

Once you have checked for leaks, you can begin testing the performance of the 440 or 340 barrel. To do this, you will need to drive your car and test the acceleration, fuel economy, and horsepower.

If you are not satisfied with the performance of the 440 or 340 barrel, you can make adjustments to the carburetor or intake manifold.

Converting Your LA Small Block to Accept a 440/340 Barrel

If you have an LA small block, you can convert it to accept a 440/340 barrel. To do this, you will need the following:

* A 440/340 barrel intake manifold * A 440/340 barrel carburetor * A set of 440/340 barrel valve covers * A set of 440/340 barrel rockers * A set of 440/340 barrel pushrods * A set of 440/340 barrel lifters * A set of 440/340 barrel camshaft * A set of 440/340 barrel timing chain

Once you have all the necessary components, you can begin converting your LA small block to accept a 440/340 barrel.

Disassembly

The first step is to disassemble the LA small block. To do this, you will need to remove the following components:

* The carburetor * The intake manifold * The valve covers * The rocker arms * The pushrods * The lifters * The camshaft * The timing chain * The oil pan

Once you have removed all of the components, you can begin cleaning the LA small block.

Cleaning

The next step is to clean the LA small block. To do this, you will need to use a carburetor cleaner, a brake cleaner, and a penetrating oil.

First, spray the carburetor cleaner into the carburetor and let it sit for a few minutes. Then, use a rag to wipe away the dirt and grime.

Next, spray the brake cleaner into the intake manifold and let it sit for a few minutes. Then, use a rag to wipe away the dirt and grime.

Finally, spray the penetrating oil onto the bolts and nuts that hold the LA small block together. Let the penetrating oil sit for a few minutes, then use a wrench or socket to remove the bolts and nuts.

Inspection

Once you have cleaned the LA small block, you need to inspect it for any damage. Look for cracks, warps, or other damage. If you find any damage, you will need to replace the LA small block.

Reassembly

Once you have inspected the LA small block, you can begin reassembling it. To do this, you will need to install the following components:

* The oil pan * The timing chain * The camshaft * The lifters * The pushrods
* The rocker arms * The valve covers * The intake manifold * The carburetor

Once you have reassembled the LA small block, you will need to torque the bolts and nuts to the proper specifications.

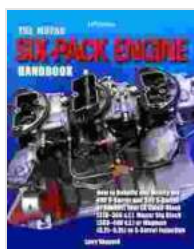
Testing

Once you have converted your LA small block to accept a 440/340 barrel, you need to test it to make sure it is working properly. To do this, you will need to install the 440/340 barrel on your engine and start the engine.

Let the engine run for a few minutes, then check for any leaks. If you find any leaks, you will need to tighten the bolts and nuts until the leaks stop.

Once you have checked for leaks, you can begin testing the performance of the 440/340 barrel. To do this, you will need to drive your car and test the acceleration, fuel economy, and horsepower.

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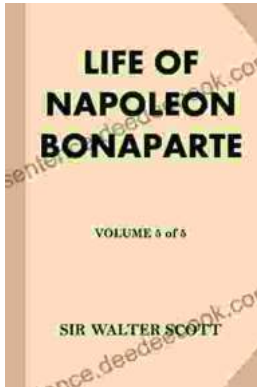


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