

How To Power Tune Jaguar XK Litre Engines Speedpro Series

The Jaguar XK litre engines are a series of naturally aspirated, inline-6 engines produced by Jaguar Cars from 1949 to 1992. The engines were used in a variety of Jaguar models, including the XK120, XK140, XK150, E-Type, XJ Series, and XJS.



How To Power Tune Jaguar XK 3.4, 3.8 & 4.2 Litre Engines (SpeedPro series) by Des Hammill

★★★★☆ 4.3 out of 5

Language : English
File size : 8641 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 212 pages



The XK litre engines are known for their smooth power delivery, high revving ability, and excellent reliability. However, they can also be tuned to produce more power, torque, and efficiency.

In this article, we will discuss how to power tune Jaguar XK litre engines Speedpro Series. We will cover topics such as camshaft selection, cylinder head porting, and exhaust system upgrades.

Camshaft Selection

The camshaft is one of the most important components in an engine. It controls the timing of the valves, which in turn affects the engine's power output.

When selecting a camshaft for a Jaguar XK litre engine, there are a few things to consider. First, you need to decide what type of performance you want from the engine. If you want more power at low RPMs, you will need a camshaft with a shorter duration. If you want more power at high RPMs, you will need a camshaft with a longer duration.

Second, you need to consider the valve lift. The valve lift is the amount that the valves open. A higher valve lift will allow more air and fuel to enter the cylinders, which will result in more power. However, a higher valve lift can also lead to valve float at high RPMs.

Finally, you need to consider the lobe separation angle. The lobe separation angle is the angle between the intake and exhaust lobes on the camshaft. A wider lobe separation angle will result in a smoother idle and better low-end torque. A narrower lobe separation angle will result in more power at high RPMs.

Once you have considered these factors, you can start shopping for a camshaft. There are a number of aftermarket camshafts available for Jaguar XK litre engines. Some of the most popular brands include Crane Cams, Comp Cams, and Isky Cams.

Cylinder Head Porting

Cylinder head porting is the process of smoothing and polishing the intake and exhaust ports in the cylinder head. This process can improve airflow

into and out of the cylinders, which can result in more power.

When porting a cylinder head, it is important to take your time and do it carefully. You don't want to remove too much material, as this can weaken the cylinder head.

There are a number of different tools that can be used to port a cylinder head. Some of the most common tools include die grinders, rotary burrs, and polishing stones.

Once you have ported the cylinder head, you will need to clean it thoroughly. This will remove any metal shavings or debris that may have been left behind.

Exhaust System Upgrades

The exhaust system is another important component in an engine. It helps to remove exhaust gases from the cylinders, and it can also affect the engine's power output.

When upgrading the exhaust system on a Jaguar XK litre engine, there are a few things to consider. First, you need to decide what type of exhaust system you want. There are two main types of exhaust systems: cat-back systems and full exhaust systems.

Cat-back systems replace the exhaust system from the catalytic converter back. Full exhaust systems replace the entire exhaust system, from the exhaust manifolds to the tailpipes.

Second, you need to decide what material you want the exhaust system to be made from. The most common materials used for exhaust systems are

stainless steel and aluminum. Stainless steel is more durable and corrosion-resistant, but it is also more expensive. Aluminum is lighter and less expensive, but it is not as durable as stainless steel.

Once you have considered these factors, you can start shopping for an exhaust system. There are a number of aftermarket exhaust systems available for Jaguar XK litre engines. Some of the most popular brands include Borla, Flowmaster, and MagnaFlow.

By following the tips in this article, you can power tune your Jaguar XK litre engine Speedpro



How To Power Tune Jaguar XK 3.4, 3.8 & 4.2 Litre Engines (SpeedPro series) by Des Hammill

★★★★☆ 4.3 out of 5

Language : English
File size : 8641 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 212 pages





Discover the Enchanting Allure of Collingwood, Ontario, Canada

Nestled amidst the breathtaking landscape of Ontario, Canada, the charming town of Collingwood beckons travelers with its pristine beaches, picturesque trails, vibrant arts...



Roberto Galli: Embracing the Fantasy of Yankee Doodle

In the realm of equestrian arts, Roberto Galli stands as a maestro of innovation and enchantment. His masterwork, Yankee Doodle Fantasy, has...