

Titan TX160/200 Stage 1

Performance Intake and Exhaust Kit Installation, Release 2

November 2011

Titan Powersport Engines

Honda GX160/200 and clones

Affordable Performance

Gokart, Minibike, ???

Titan Powersports engines are based on the Honda GX160/200 design and are intended to operate on Gokarts, Minibikes, Winches, Small Vehicles and other equipment. Titan engines can be used as a replacement engine on many bikes and gokarts originally manufactured with Briggs, Tecumseh, Honda, Subaru, Kohler and most other engines. Titan engines are fully compatible with GTC Torque Converters



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PERFORMANCE

Box Stock Kart racing or recreational use, the parts shown here are suitable for installation on Honda, Titan or clone engines.



High Flow Intake

The billet intake adapter permits the removal of the stock air filter assembly and installation of the K&N or UNI Air Filter



High Flow Exhaust

The stock exhaust can be removed and replaced with The High Flow Exhaust Header Pipe and Silencer



Torque Converter



Installation Procedure



Step 1

Remove Stock Air Filter

Remove plastic cover and air filter assembly.

Step 2

Install Billet Intake Adapter

Line up the venturi on the back of the Billet Intake Adapter to match carburetor intake. Place the adapter on the bolts, slide down and fasten the 2 nuts



Step 3

Install Air Filter



Place the clamp on the filter base. Slip the filter over the adapter. Tighten the clamp moderately to finger tight. Install Red Pre-filter (optional)



Step 4

Remove Stock Exhaust

Remove the two nuts just below the stock exhaust. Remove the stock exhaust.

Step 5

Assemble Header and Silencer

Slide the clamp over the end of the silencer. Slide the exhaust header into the silencer about 1-1/2 to 2 inches. Tighten the clamp Allen screw.

Step 6

Install Exhaust Assembly

Place the exhaust gasket on the exhaust port. Line up the exhaust assembly and insert the flange over the exhaust mounting bolts. Fasten with two nuts. Install screw in support bracket (use one of the screws previously removed).



WARNING

SERIOUS INJURY OR DEATH can result from improper installation or operation of this product. Small vehicles such as Gokarts, Mini Bikes and other engine operated equipment are dangerous to operate. The **USER ASSUMES ALL RISKS** associated with installation and operation of this product. This product should only be installed by a qualified small engine technician. **DO NOT OPERATE THIS PRODUCT WITHOUT PROPER SAFETY DEVICES** installed that are specifically designed for your vehicle or equipment including but not limited to **CHAIN / BELT GUARD (NOT SUPPLIED) AND OTHER PROTECTIVE COVERS (NOT SUPPLIED)**. **DO NOT WEAR LOOSE CLOTHING** or **LONG HAIR** that can become entangled with moving parts of this product. **DO NOT OPERATE THIS PRODUCT WHILE UNDER THE INFLUENCE OF ALCOHOL, DRUGS OR OTHER MEDICATIONS.** **CHILDREN UNDER THE AGE OF 16 SHOULD NOT OPERATE THIS PRODUCT.**

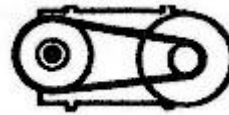
ALL SAFETY INFORMATION IS NOT INCLUDED IN THIS GUIDE. It is not possible or practical to warn users about all hazards associated with operating this product. The user must take responsibility for the safe operation of this product. It is strongly recommended that all users complete an approved safety course such as offered by the ATV Safety Institute or other accredited organizations before operating this product.

Torque Converter

Titan Powersport Engines are fully compatible with GTC Torque Converters. Torque Converters add a significant amount of performance and acceleration



High Overdrive



At maximum RPM, the Driven Pulley becomes fully open allowing the smallest possible diameter. At the same time, the Driver Pulley flanges are fully closed forcing the belt to its maximum diameter. This is High Gear Overdrive position

GTC Engine Mount

The engine mount plate provides the necessary clearances required to operate the torque converter in a wide variety of applications



Step 7 (optional)

Remove Gas Tank

In some instances, it may be desirable to remove the gas tank for operation on a race kart. Also, on some bikes, there may be insufficient room to remove the gas cap. In this case, the tank can be removed and relocated.

Remove all fuel from the gas tank. Remove the two nuts installed at the mounting bracket located in the front of the engine. Remove the single nut from the rear bracket. Disconnect fuel line and remove tank from engine. Brackets may be available so securely mount your tank. check with your authorized dealer. You will also need a new, longer fuel line.



WARNING: Death or Injury can result from improper installation of fuel systems. Only experienced mechanics should perform this installation

Further GX160/200 Upgrades

Honda / Clone

- **Intake**
- **Exhaust**
- **Valve**
- **Cam**
- **Flywheel**

INSTALLATION NOTES: TBD