



ENGINE REMOVAL AND REPLACEMENT

The following information is offered as a guideline to make removing and replacing your ATV engine from its chassis, as smooth as possible.

- Before performing any large-scale mechanical work on your ATV it is always advisable to wash your machine thoroughly. Make sure to wash from all sides. If possible it is also advisable to run (warm up to operating temperature) your machine for 10-15 minutes after completing the wash job, to help dry all water out of the engine. * For more information on the subject of washing your ATV consult the DR Tech info sheet for bike washing.
- Remove all plastics and fuel tank. Either re-installs all fasteners in the hole they came out of. Or put them in a separate container (small butter dish, cat food can etc.)
- Drain oil from engine. This should be done into a clean container. After draining be sure to make a note of amount of oil that came out of machine and if there was any foreign material (metal shavings, clutch fiber, etc) in it. If unsure save contents for inspection by a professional.
- Drain coolant (when applicable) from machine. **Before draining coolant it is always advisable to check if system is full at the radiator. Not the over flow bottle.** Drain coolant into clean container. Drain the system at all drains, water pump, cylinder etc consult your OEM (Original Engine Manufacture) service manual for specific instruction pertaining to your specific model machine.
- Remove drive chain. Upon removing chain; Inspect chain, front and rear sprockets, replace any worn items. It is also recommended to inspect anything chain may come into contact with; frame rollers, swing arm sliders, rear skid plate, etc. Replace or repair anything that may cause future damage to you ATV. Addressing a potential problem before it causes a DNF or worse is much cheaper than waiting for a break down.
- Carefully remove carburetion system. Inspect all moving parts for any wear or damage. Starting at the throttle everything should be cleaned, lubricated, and inspected. Before reassembly. Pay close attention to any wear on slide and or throttle cable. Before your engine runs again you will want to have your carburetor thoroughly cleaned. It is recommended that a skilled professional do this.
- Remove your exhaust system. Check over completely for any cracks. You should plan on repacking your silencer/muffler before reassembly. **Consult the manufacture for specific instructions on repacking your silencer/muffler.**
- Remove all motor mount bolts and nuts. If you are confident on the exact placement of all nuts and bolts, store in a separate container. If you are uncertain of the exact location, replace nuts and bolts back into the chassis after the engine has been removed. All nuts and bolts should be cleaned before reassembly. Check all for cracks. Inspect all threads.