2012 ATV and ROV Updates

- New Graphics on all 2012 models
- HDX Transmission improvments
- All other models remain unchanged

2012 ATV and Prowler Update

DVX and Utility 90

- **150**
- **DVX** and utility 300
- **350 (366)**
- **■425 H1(450)**
- **■450 H1**
- 450 H1 XC
- 550 H1
- 700 H1
- **1000 H2 (950)**

2012 450 H1





2012 TRV 450



2012 550 H1













2012 TRV 550 H1







2012 700 H1











2012 Mud Pro 700 H1



Mud Pro LTD models have power steering.





2012 TRV 700 H1





2012 1000 H2



2012 Prowler XT 550 H1



2012 Prowler XTX 700 H1







2012 Prowler HDX 700 H1







2012 Prowler XTZ 1000 H2



HDX Transmission Improvements



Drive Shaft



Wider gears on drive shaft

Secondary Drive Gear



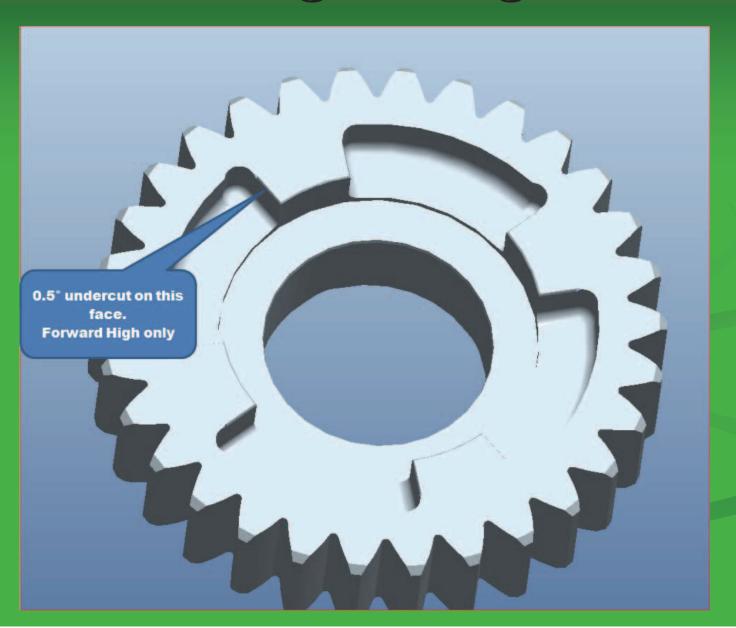
Wider gears on the secondary drive.

Driven High Range Gear



Engagement surface on the driven high range gear has 0.5° undercut to keep the gear and slider engaged

CAD of High Range Gear

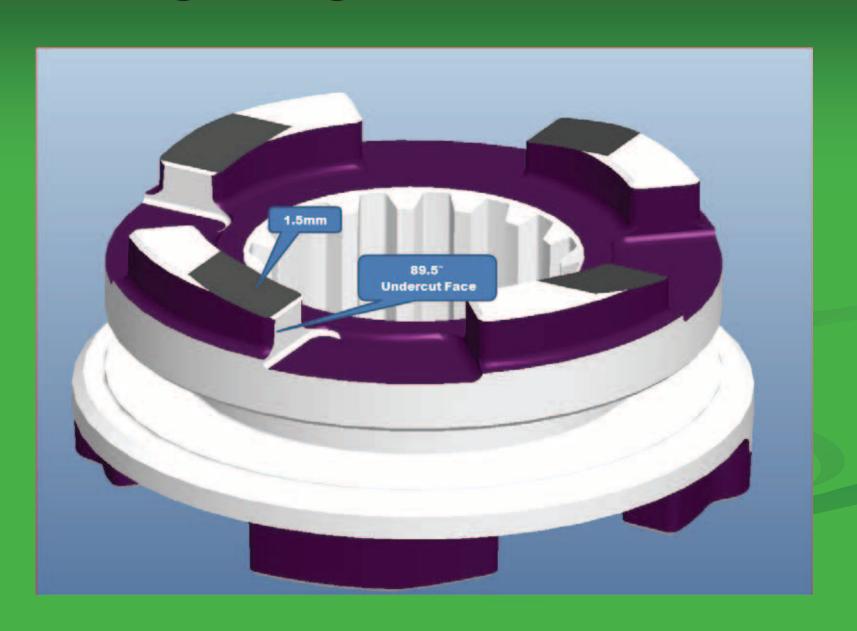


Sliding High Range / Reverse Gear Selector

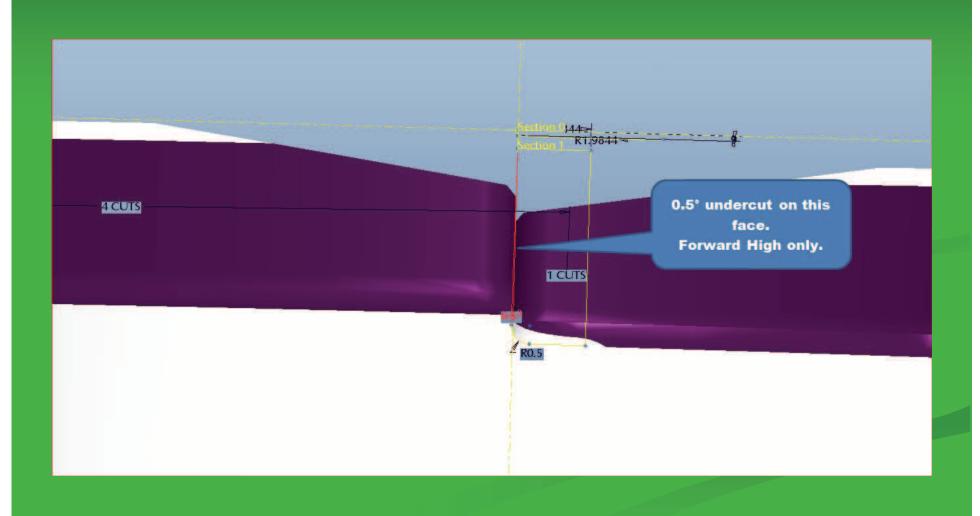


The gear selector has an undercut of 89.5° to accommodate the modified area on the high range gear.

CAD of High Range /Reverse Gear Selector



CAD Profile of the Selector and Gear Engaged



Driven Low Range Gear



Low range gear now has a forged chamfer, this will help against breaking.

Gear Shift Plate



Taller and steeper detents in High and Park for a more positive feeling shift.

Cam Stopper Spring



Heavier gage wire and decreased the angle of the spring to gain more pressure against the detent.

Gear Shift Shaft Assembly



Changed gear shift cams to accommodate changes made to transmission high and low gears. Notice the changes to the shift cam groove.

Gear Shift Cams



The changes are made to the gear shift cam, making up for the added travel needed to engage the selector and the gear.

Additional Changes to the Shift Cams



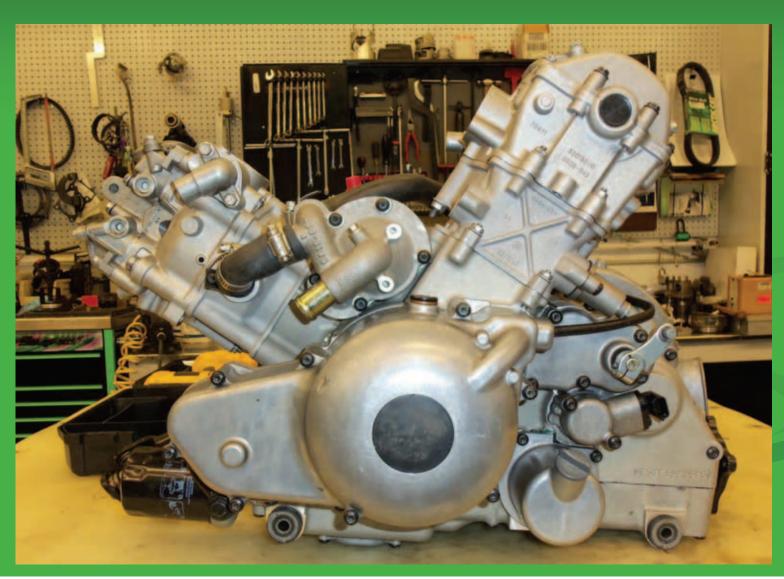


These machined grooves have also been omitted.

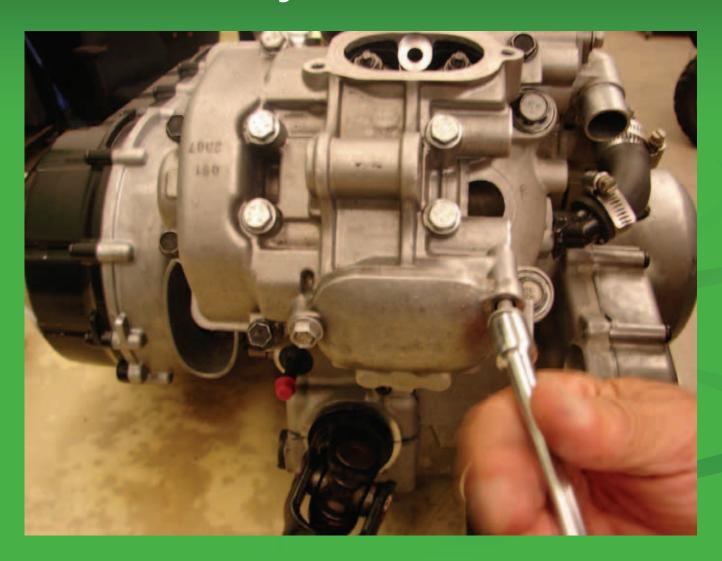
ATV Service Tech Tips

- Checking engine timing on the 1000 H2
- 450 belt failure
- One-way bearing orientation
- Fuel pressure troubleshooting
- Checking TPS with TPS Analyzer
- Clutch cover seal replacement
- EPS Tool (Electronic Power Steering)

Checking 1000 H2 Engine Timing



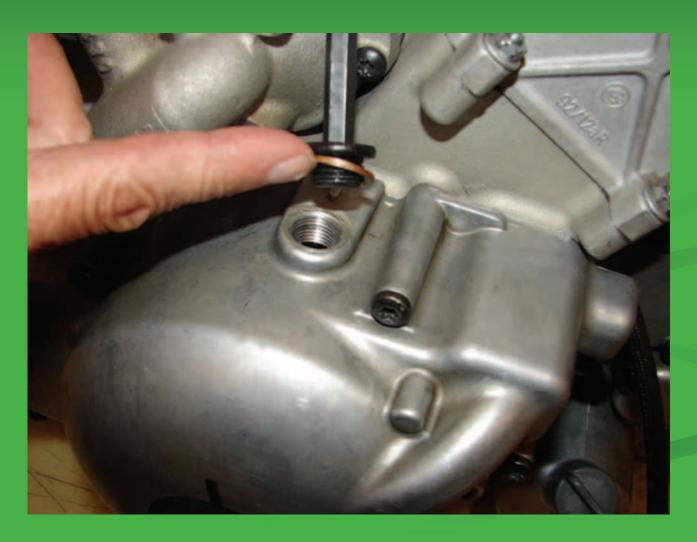
Remove valve covers on front and rear cylinders.



Remove Mag Cover Plug Insert LH crankshaft rotation bolt (p/n 0444-249)



Remove the timing inspection plug from the mag cover. Be sure to retain the brass washer.



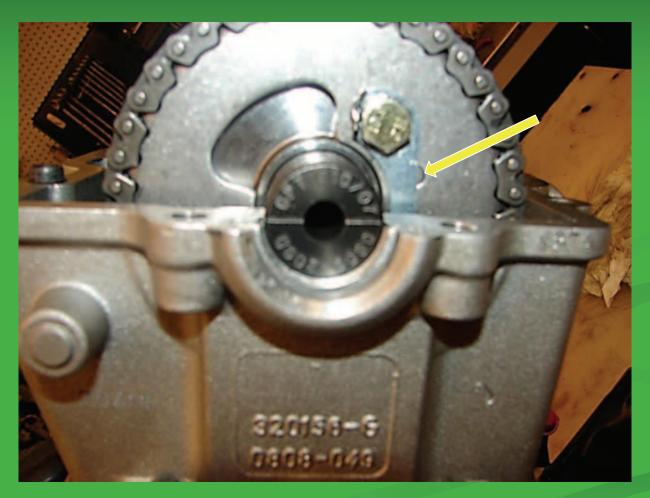
Rotate crank shaft counterclockwise until front piston is at TDC compression stroke.



The F timing mark should be aligned with the mark on the mag cover.

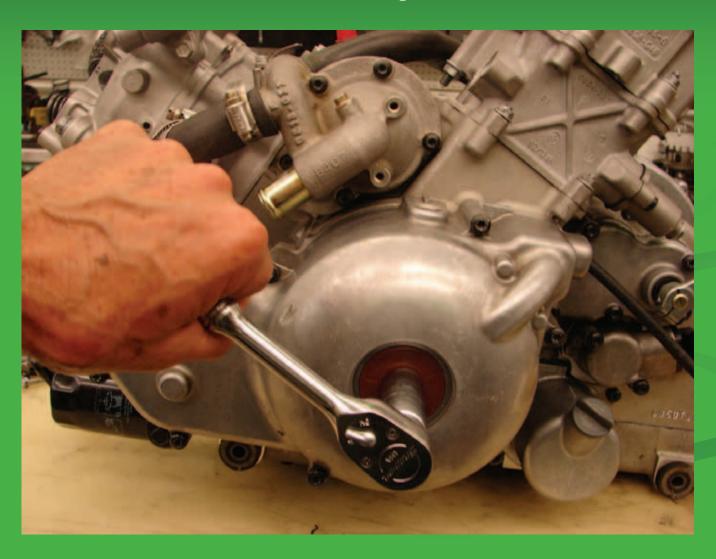


Timing marks on the front cylinder camshaft at TDC should be aligned with the top of the cylinder head.

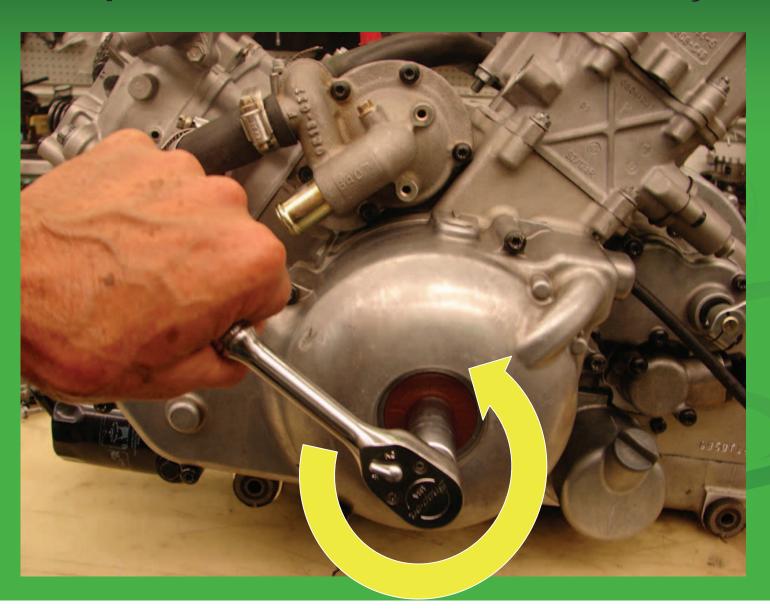


Note: the cam lobes will be down and the locking plate is over the cam alignment pin.

With the front cylinder timing marks lined up correctly, align your tool handle with the center line of the front cylinder.



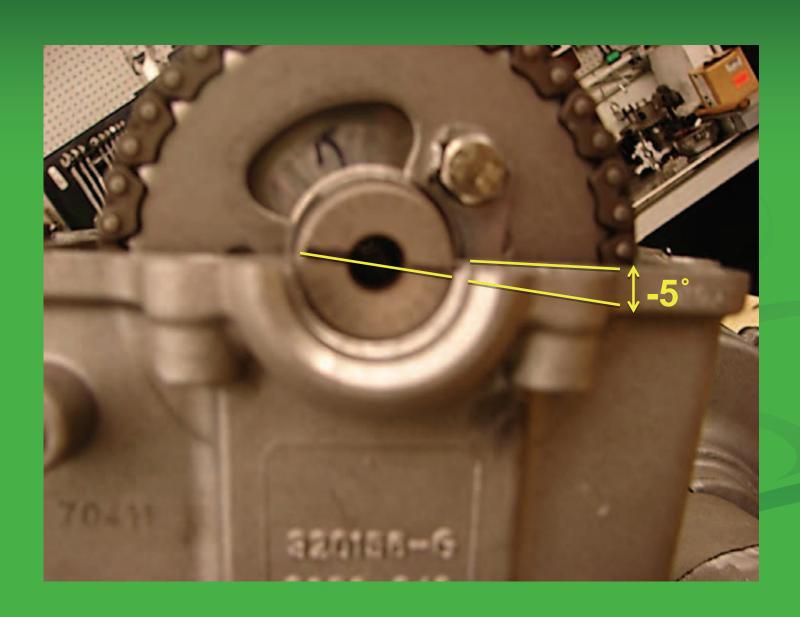
Rotate the tool handle counter clockwise 270° until it is lined up with the centerline of the rear cylinder.



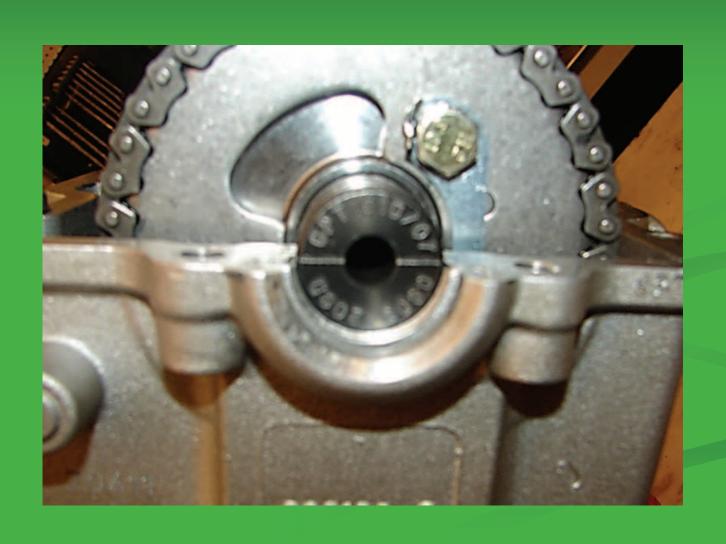
The R timing mark should now be aligned with the timing mark on the mag cover. If you go past the R mark, start over from TDC front cylinder.



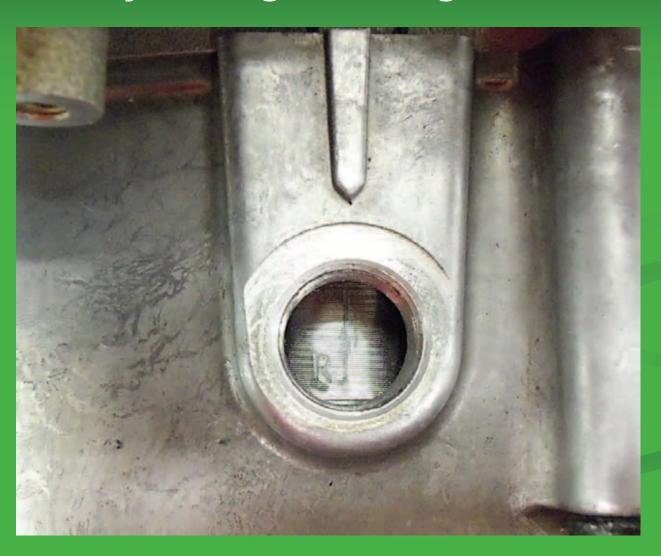
On 2008 Engines set the cam so we have approx -5 degree from parallel on the exhaust port side.



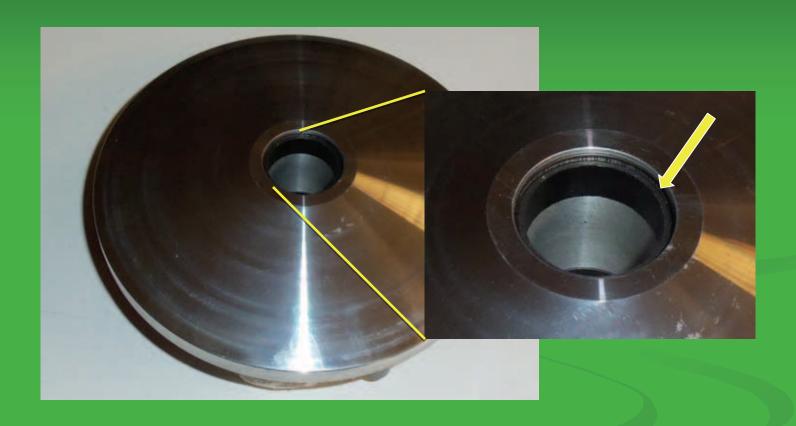
On 2009 – Current 1000 Engines, the timing marks will be parallel to the cam cover sealing surface.



Check again that the R timing mark is aligned. If it is, your engine timing is correct.



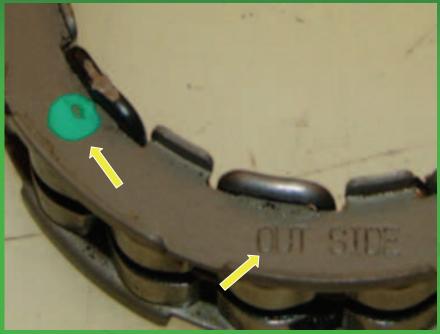
450 Belt Failure



The bushing may slip past the retaining ring causing the sheaves to stay apart and the drive belt to slip, producing heat, resulting in belt failure.

One Way Bearing (Sprague Bearing)





The words "OUT SIDE" along with the Green dot face away from the engine, when installed on the centrifugal clutch.

The arrow will indicate the direction of rotation.

If you look at the pawls you will see they will be in the same direction as the arrow.



Note the marks in the pawls



EFI Troubleshooting

- Symptoms of low and high fuel pressure.
- Fuel Pressure tester.
- How to check fuel pressure.
- 450 H1 / 950 H2 DTC (Diagnostic Trouble Codes)
- Checking TPS 450 H1, Mud Pro 1000 H2, TRV 1000 H2.

High Fuel Pressure

- Hard starting (Hot or Cold)
- Spark plug fouling
- High fuel usage
- No Idle or Surging idle (ISC constantly changing)
- Overall poor performance and acceleration
- Build up of raw gasoline in the oil

Low Fuel Pressure

- Hard starting (Hot or Cold)
- No Idle or Surging idle (ISC constantly changing)
- Engine sputters on acceleration
- Overall poor performance and acceleration
- Detonation causing piston and cylinder damage
- Excessive engine and exhaust heat

Fuel Pressure Tool

Fuel pressure can be easily checked using Arctic Cat EFI Fuel Pressure test kit.

(p/n 0644-571)



Checking Fuel Pressure

From the rear of the ATV, remove the fuel line from the fuel pump.



Push the female end of the tester into the male end of the fuel supply line.



Push the female end of the tester on the male outlet on the fuel pump.



The fuel pressure must now stay consistent while turning the engine over or when the engine is running.



Refer to the specific model year manual, or CAT Quest, for the correct pressure specification.

450 H1 / 950 H2 DTC

Gauge	Wrench Icon Status	ECU PIN	Input/ Output	High/Low Variable	ARCTIC CAT DESCRIPTION
B0050	ON	E2	1	L	Driver Seatbelt Sensor/Switch
C0063(1)		D2	1	٧	Tilt Sensor Circuit High
C0064 ⁽¹⁾	ON	D2	- 11	V	Tilt Sensor Circuit Low/SG/Open
P0107	ON	F2	1	V	MAP Sensor Circuit Low/SG/Open
P0108	ON	F2	. 1	V	MAP Sensor Circuit High/SP
P0112	ON	F3	1	V	Intake Air Temp Sensor Circuit Low/SG
P0113	ON	F3		V	Intake Air Temp Sensor Circuit High/Open
P0114 ⁽¹⁾	OFF	F3	_1_	V	Intake Air Temp Sensor Circuit Intermittent
P0116	ON	F4 F4		V	Engine Coolant Temp Sensor Circuit Range/Performance
P0117	ON	F4	1	V	Engine Coolant Temp Sensor Circuit Low/SG Engine Coolant Temp Sensor Circuit High/Open/SP
P0119 ⁽¹⁾	OFF	F4	1	v	Engine Coolant Temp Sensor Circuit Intermittent
P0121	OI.	G3	-	v	Throttle Position Sensor Range/Performance
P0122	ON	G3	- 1	v	Throttle Position Sensor Circuit Low/SG
P0123	ON	G3	1	V	Throttle Position Sensor Circuit High
P0219	7	N/A	N/A	N/A	Engine Over-Speed Condition
P0231	ON	J1	0	L	Fuel Pump Relay Circuit Low/SG/Open
P0232		J1	0	L	Fuel Pump Relay Circuit High
P0233 ⁽¹⁾		J1	0	L	Fuel Pump Relay Circuit
P0261 ⁽¹⁾	ON	L4	0	L	Rear Cylinder Injector Circuit Low/SG (H1 & H2)
P0262 ⁽⁷⁾	ON	L4	0	L	Rear Cylinder Injector Circuit High (H1 & H2)
P0263 ⁽²⁾	ON	L4	0	L	Rear Cylinder Injector Balance/Open (H1 & H2)
P0264 ⁽²⁾	ON	K4	0	L	Front Cylinder Injector Circuit Low/SG (H2 Only)
P0265 ⁽²⁾	ON	K4	0	L	Front Cylinder Injector Circuit High (H2 Only)
P0266 ⁽⁷⁾	ON	K4	0	L	Front Cylinder Injector Balance/Open (H2 Only)
P0336 ⁽¹⁾	ON	D1/E1	1	٧	Crankshaft Angle Sensor Synchronization
P0337 ⁽¹⁾	ON	D1/E1	-:1	V	Crankshaft Angle Sensor Circuit/SG
P0339 ⁽¹⁾	ON	D1/E1	. 1 .	V	Crankshaft Angle Sensor Intermittent/Erratic
P0480	1 0/1//	K2	0	L	Fan-Primary/Right Relay Control Circuit
P0481 P0482	ON	B2	0	L	Fan-Secondary/Left Relay Control Circuit High
P0482	ON	B2 B2	0	- 1	Fan-Secondary/Left Relay Control Circuit Low/SG/Open Fan-Secondary/Left Relay Control Circuit
P0483		K2	0	L	Fan-Primary/Right Relay Control Circuit High
P0485	ON	K2	ő	1	Fan-Primary/Right Relay Control Circuit Low/SG/Open
P0500	ON	H3	Ť	V	Vehicle Speed-Sensor
P0508	ON	C4/D3/D4/E4	VO.	V	Idle Air Control System Circuit Low/SG
P0509	ON	C4/D4	VO	V	Idle Air Control System Circuit High/Open
P0520	ON	E2	- 1	L	Engine Oil Sensor/Switch
P0562	1	L1	1	н	System Voltage Low
P0563 P0601	-	L1 N/A	N/A	H N/A	System Voltage High
P0615 ⁽¹⁾		L3	O O		ECU Memory Check-Sum Error
P0616	ON	L3	0	L	Starter Relay Circuit
P0617	ON	L3	0	1	Starter Relay Circuit Low Starter Relay Circuit High
P0630	ON	N/A	N/A	N/A	VIN Not Programmed or Incompatible
P0631	OFF	N/A	N/A	CAN	Vehicle not Registered
	Gauge Direct	9337	1220		
P0635	Error-Code	N/A	N/A	N/A	Power-Steering Controller Circuit
P0642		A1	0	н	Sensor Power Circuit Low
P0643	ON	A1	0	н	Sensor Power Circuit High
P0856	Gauge Direct Error-Code				
P2300 ⁽⁷⁾	ON ON	N/A M1	N/A O	N/A	Traction Controller Circuit
P2300 ⁻⁷				L	Rear Ignition Coil Primary Circuit Low/SG/Open (H1 & H2)
P2301	ON	M1	0	L	Rear Ignition Coll Primary Circuit High (H1 & H2)
P2303 ⁽⁷⁾	ON	M2	0	L	Front Ignition Coil Primary Circuit Low/Open (H2 Only)
P2304 ⁽⁷⁾	ON	M2 A4	0	L H	Front Ignition Coil Primary Circuit High (H2 Only) Ignition Switch Circuit Low
P2531 P2532		A4 A4		H	Ignition Switch Circuit Low Ignition Switch Circuit High
U0155		B1/C1	WO	H/L	LCD Gauge Communication Lost
20100	Gauge Direct	Diloi		1100	CON STREET CONTINUESCENT LON
UEL OFF"	Error-Code		N/A	N/A	Tilt Sensor Activation Operator-Code
gh = Signal rw = Signal I G = Possible P = Possible	Level is too Hig Level is too Low Short-to-Groun Short-to-Power	(Possible Sho ad or Short-to-Ba or Short-to-Ba e Broken-Wire	ort-to-Batt rt-to-Grou Chassis attery	ery (+)) nd or Short-to	

Printed: 9:07 AM 7/26/2011

ATV Ignition Systems/EFI/DTC//2012 ATV DTC

EFI ECU DI

Checking the TPS 1000 Cruiser, 1000 Mud Pro, 450 Engine

- Using TPS Analyzer
- (p/n 3639-891)(Does not include Fluke DOM)



Plug test harness into the analyzer, this will illuminate the "Power" indicator light.



Check the analyzer battery voltage by placing the DOM black lead into (BLK) and the DOM red lead into (RED).



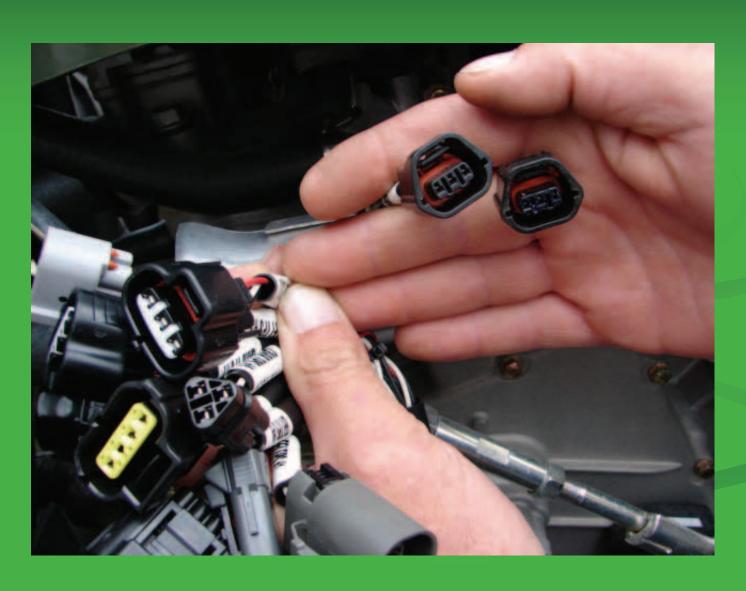
Verify a minimum of 4.19 DC volts to achieve the proper readings.



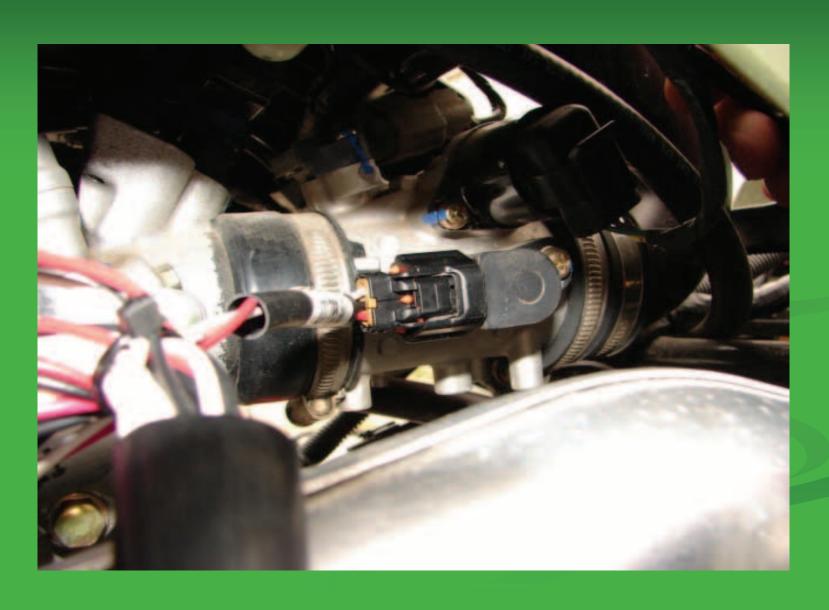
Locate TPS and unplug the main harness from TPS.



Select the matching connector from the analyzer harness.



Plug analyzer harness into the TPS



Move the red DOM lead to the white (VAR) on the analyzer. Record the reading with the throttle closed.



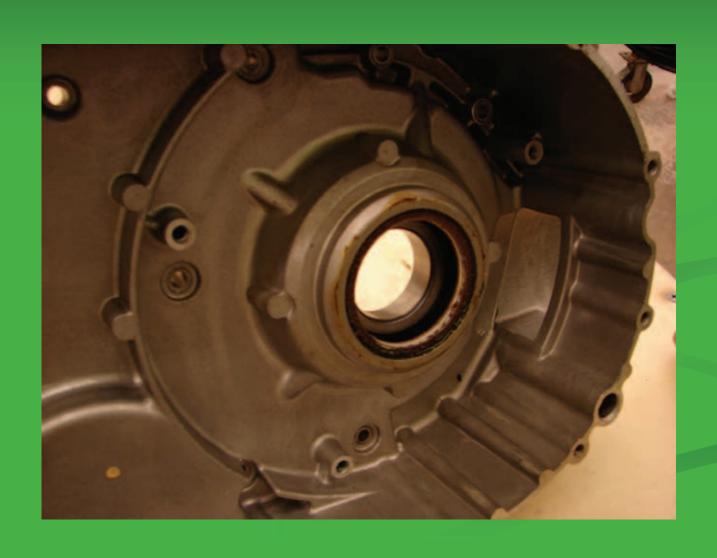
Record the reading at wide open throttle and compare results to the Service Manual.



Replacing the Clutch Cover Seal

- Information to change the seal
- Special tool (p/n 0444-256)

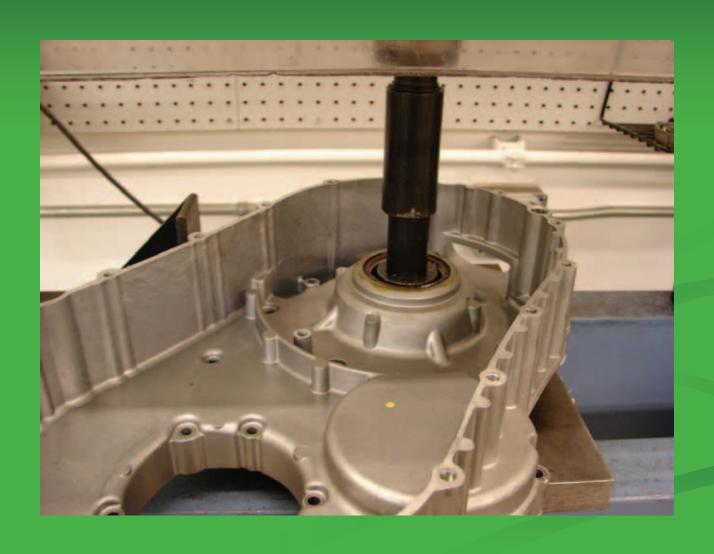
Remove the inner clutch cover from the engine case, and remove the shoe clutch housing assembly.



Remove the two fasteners securing the bearing retainers. An impact driver will aid with removal.



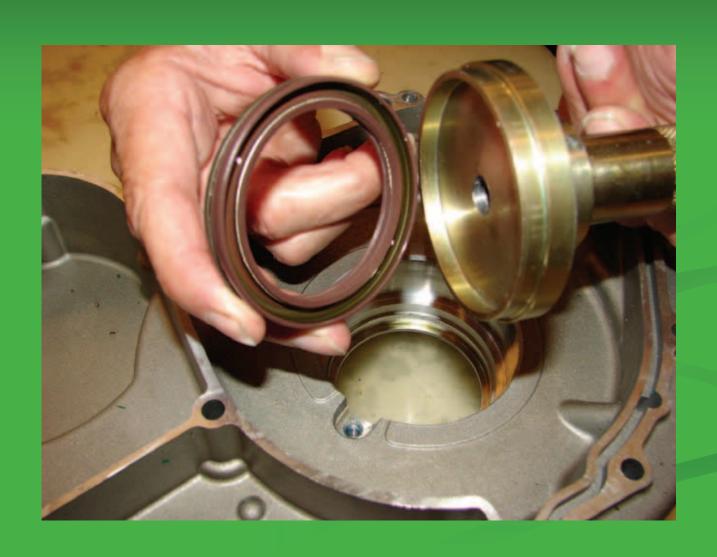
Press the old bearing from the case using a suitable press and fixture.



Carefully remove the old seal. Do not damage the sealing surface of the cover.



Place the seal with the spring side facing the special tool (p/n 0444-256).



With the seal placed on the installation tool, set the seal into position.



With a mallet or press, push the seal into place being sure to keep it square.



The bearing must be installed with the seal side of the bearing toward the clutch cover seal or a catastrophic lubrication issue will occur.



Press the new bearing into the case with a proper fixture pressing against the outer bearing race.



It is critical to make sure again that the seal on the bearing faces the clutch cover seal.

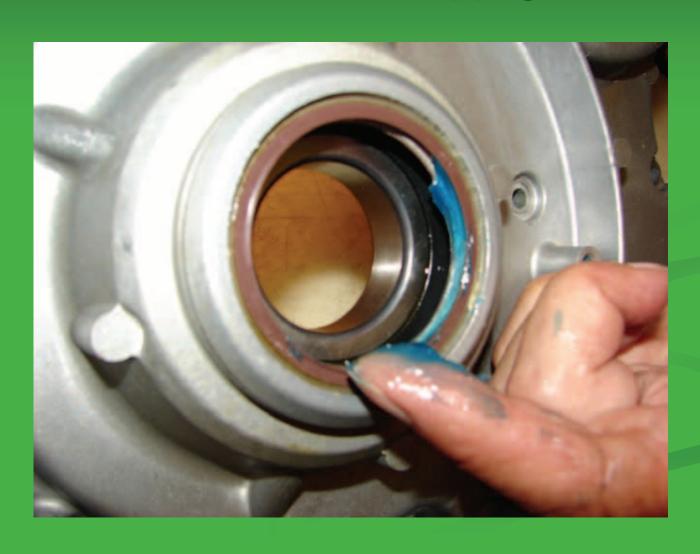
Apply Loctite[™] 242 BLUE to the bearing retainer fasteners and secure the bearing tabs in place.



The seal should now look like this if everything was done correctly



Apply a small coating of grease to seal lips. Too much grease may result in a seal that appears to leak and/or belt slippage.



Press the shoe clutch housing assembly until it is seated against the bearing.



Apply a thin coat of grease to the inner O-ring and outside sealing surface of the fixed drive spacer.



Install the fixed drive spacer carefully, so the seal lips are not damaged.



The seal and spacer should look like this when finished.



EPS Tool Information

EPS OVERVIEW

Electro-mechanical device that utilizes 12 volt DC power

Drive a servo motor linked to the steering shaft

Torque-sensing transducer

Inputs are converted to electronic signals by the transducer and control circuity

EPS system is battery system powered, battery must be in good condition fully. charged.

Power delivery and overload protection - EPS telay and 30-stup fine

If a failure occurs in the EPS system a code P0635 will be displayed in the gauge

The EPS year is not serviceable and must not be torn apart - warranty will be void

Be sure to trouble shoot the entire system before replacing EPS unit

P0635 will appear if

Battery system power failure

- b. EPS relay failure
 a. EPS voltage less than 8.5 VDC for more than 2 seconds Will automatically seset if voltage goes above 10 VDC for 10 seconds

figureon swetch ON for more than 3 min with the engine not running

Speed Signal Malfunction (engine must exceed 2700 RPM for more than 60

generate a mulfunction code

- a. diode defective (open or shorted)
- b. diode not installed e. diode installed in reverse
- d speed sensor defective e. speed sensor simal erratic
- f. speed sensor signal present but without tachometer signal
- g. speed sensor power from LCD gauge interrupted b. Incorrect LCD gauge installed

ARCTIC CAT ATV SERVICE MANUAL - ADDENDUM

(Electronic Power Steering)

The electronic power cisering (EPS) cycles is no electromachism device that without 12 wid DC power to drive a more limited in the internal power to drive a more limited in the internal power to the control of the co

The EPS system is homery-system powered, therefore, the termy most be in pool condition and fally charged. Power designey and verticed promises to provided by an EPS retay and 30-map face, located under the cent in the Power Distribution Modella (PDM).

If a commo mathactum occurs, a melitarctus code 20035" will be displayed on the LCD gauge latestly, the gauge will go black for 50 seconds and the code will final. that the gauge will result to normal enterpt the code will contains to be displayed.

The following is a list of conditions that can prosents a The interest of the ACI conditions with the exception of them 5 are extented to the EPS assembly and therefore can be chared without replacement of the EPS assembly. Make rure to theoremially conditioned the entire system before replacing the EPS assembly.

NNOTE: The EPS assembly is not serviceable and no service parts or parts lists are available. The EPS is only serviceable as an assembly and must not be dis-

Do not alternat to check resistance of the EPS motor (2 pln imput receptable). There are internal capacitors holding a charge that can cause internal damage to an observed

Malfanction code P0635 will appear of one of the following his conditions occur.

- 2. Battery system power fedure:
- A. 30 map EPS flow blown:
- IN EDS rates factors
- C. EPS voltage less than 8 / DC volts for some than
- 2 Iguates values GN for more than five names with the engine not receive

Valuele Speed Signed Meliberton (regime speed main etraed 7700 RFM for more fain 60 seconds to presents a mathematic risk - time resent if engine drops below 2700 RFM).

p/n 2258-948

- A. Diode dedective (open or shorted)
- 5 Diede per possibil
- C. Diade is milled in revenu S. Speed sensor defective
- B. Speed seasor rigard errors
- F. Speed reason signal present but without inchesse-
- G. Speed seasor power from LCD gauge columpsed
- If Incorect LCD gauge moded
- Engine Speed Signal Maifraction (retacle speed must exceed 3 MSH for more than two records times never if speed drops below 5 MSH.
- A No engine speed signal
- S Errotr engine speed signal
- 1. EPS Count Corner Malfraction
- 6. Eague Step Switch in Step position with Ignition Ear switch ON

The following procedures may be helpful in determining the searce of a malfunction code:

Continue. Sparson Key Switch Old and 100 EDS sound when marring the handwhat Code "DONL" flathing

MNOTE: Prior to troubleshooting below, make sure that syntian Key Sentah has not been left an with the engine not started. After five minutes, this will deacti-rate the EPS and display the malfunction code. Turn syntian Key Switch GPF and back to OH to reset and reactivate the EPS. If code and symptom persists.

- 2 Check 30 map EDS face (new DDM) in this addessions
- Check EPS rate: (may be ownched with any other 6-pin relay on PDM replace rate; if EPS normal after executing).

EPS OVERVIEW

EPS SERVICE MANUAL ADDENDUM

EPS Diagnostic Trouble Codes

Dauge DTC	Wrench loon Status	Description	Conditions	Operating State	Recovery	Possible cause / corrective action. This column is if the DTO stays active	Orestes an inactiv
01901	ON	Over Current	Prese On and Off currents are checked every Situs. If the ont of current is greater than ++100 Amps for 150uS, the unit moves to the Sevete- spending state.	Severe	Non-recoverable	Replace CPG and	-
01902	ON	Current Corner	PID Control Error Current is checked every time. If the current error value is greater than 20 Amps for is the unit moves to the Severe operating table.	-	Non-recoverable	Replace CPS unit	-
C1505	ON .	Torque Sensor Range Faut	The Torque sensor is read and checked for plausability and linearity every time. If the Tr or T2 signel voletge is outside of 10% to 90% of the supply- softage the unit moves to the Severe operating state.	Savets	Non-recoverable	Replace SPS unit	-
01904	ON	Torque Gensor Linearity Fault	The Torque sensor is read and checked for placestility and linearity every time. If the supply voltage or T1+T2 outside 90% to 110% of the supply softage the unit moves to the Severe operating state.	Severe	Ron-recoverable	Replace CPG unit	-
C1906	ON	Rotor Position Encoder	This arror is checked every 10 to. The error will be set if incorrect bits are speaked on the 60° but from the addition or there is an error between the pay count and the addition abouts position. This will move the unit to the Developmenting state.	Severe	Roo-recoverable	Replace CPG unit	-
C1306	ON	Battery Voltage Low	The error is checked every 100ms. The error will set when the bettery younge has been below the cellbratable first for 10s. This error moves the unit to the Silent operating state.	Glent	The unit will recover and move to the Run operating state once the bettery voltage has gone above the calibratoble recovery limit for 10s.	Satisfy votage is low. Wire farmers issue. Faulty votage regulator. Satisfy measures + 11 Ovdc. Recharge battery	-
C1507	ON -	Battery Voltage High	This error is checked every 100ms. The error will set when the battery softage has been above the calibratable limit for 10s. This error moves the unit to the Silent operating state.	Glent	The unit will recover and move to the Run operating state once the flattery voltage has gone below the calibratable recovery limit for 10s.	Facility votage regulator. Who harmons insue. Loose battery connection. > 18vdc at the EPS	-
01999	ON	Temperature Above	The temperature of the until a head every 1s and checked against a limit of 1100. If the temperature is above 110 0 the unit moves to the Safe operating state.	Safe	The unit will recover and move to the Run operating state once the temperature is below 195 C.	Clean EPG cooling fina. Excessive engine cooling temperature	
01909	ON	Temperature Above	The temperature of the unit is need every its and checked against a limit of 1990. If the temperature is above 199 C the unit moves to the Silent operating state.	Silvers Const.	The unit will recover and move to the Safe operating state once the temperature is below HIS C.	Clean EPG cooling fins. Excessive engine cooling temperature	(year)
01910	ON	Venicle Speed	Digital toput or CAN based, this error is checked every 100 ms and is triggered by receiving a Vehicle Speed above the calibrated limit. This error moves the unit to the Stant operating state.	Silent	Reception of a valid vehicle speed will return the unit to the Run operating state	Faulty harmens, sirty connection, unplugged connection, faulty speed sensor, faulty stopper wheel	yes:
01911	8	Vehicle Speed	Digital input only. This error is checked every 100ms, and is serby the which speed being DRPH or the cap count has last the vehicle either 0,000mt. With or the area speed to 00b. This est move to the fast state if no ryon and is active and the DRPH operating state if the put is flexed.	Safa Silant	Non-ecoverable	Faulty harmers, diny connection, unplugged connection, faulty speed sensor. Builty styger wheel	-
01912	ON.	Ventile Speed	CAN only this error is checked every 100ms. This error is triggered by securing an errored speedgreater than 0xFE000 or by not receiving the COVIS message for 0x. This error moves the unit to the Silvert operating state.	Silvet	Reception of a valid vehicle speed will return the unit to the Run operating state.	Faulty harmess, diffy connection, unplugged connection, faulty speed sensor, faulty sigger wheel	-
01013	ON	Engine RPM	UV or ATV, this error is checked every 100 ms and is triggered by receiving a Engine RPM above the calibrated limit. This error moves the unitto the Safe operating state.	Sele	Reception of a valid engine RPM will return the unit to the Run operating state.	Faulty harmass, loose connection, dirty connection, faulty voltage regulator, unplugged regulator, unplugged stator, faulty stator	-
01014	ON	Engine RPM	UV only, this error is set when the engine RPM has been above 500 RPM and then suddenly drops below 500RPM. This error moves the unit to the fillely operating state.	Gate	Reception of a valid engine RPM will return the unit to the Run operating state.	Turning engine off with emergency stop switch. Faulty harmess, tosse connection, dirty connection, faulty voltage regulator, sandagged regulator, unplugged stator, faulty stator.	-

2012 Snowmobile Update



All MODELS

EXCEPT ProCross and ProClimb

(Unless Noted)

SNOPRO 120



Unchanged

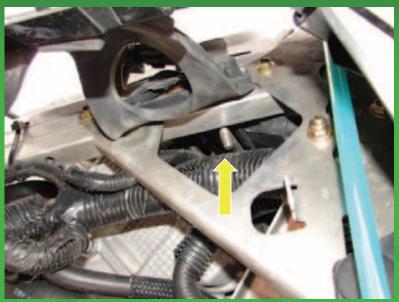
Engine Mounts



- Engine Mounts Switching to PN 0608-496, Same mount characteristics, but no longer SAE.
- (570's Only)

Air Box and Steering Support Gusset





- Air box was split into two halves. This was done for serviceability allowing for the spark plugs to be changed with the tools provided in the tool kit.
- A larger hole was added to the steering support gusset to access the pin for splitting the air box.
- (Z1 Models Only)

Air Box Shown Split



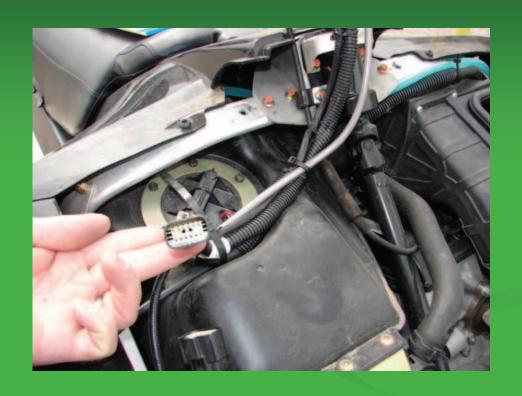
Allowing the access needed for a plug change on the trail.

Key Switch



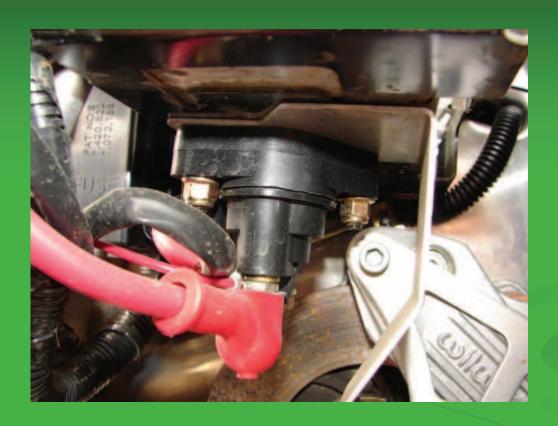
- Better seal.
- More key combinations for the 570s. (300 +)
- Z1 (Normally closed)
- 570 (Normally open)

Handlebar Harnesses



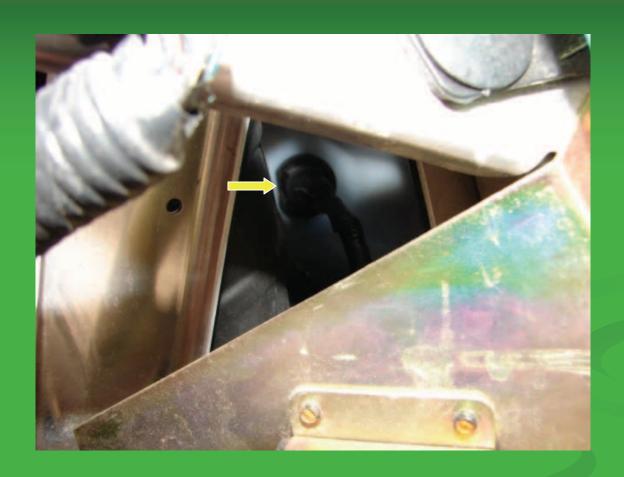
■ Circuit was changed to draw less current when the E-stop is switched on. When the E-stop is used to stop the engine the current draw will be reduced to < 2 mA vs. 9 – 12 mA previously.

Solenoid



- NEW Solenoid
- Improved construction of the contacts.
- (Z1 and Z1Turbo Models Only)

Oil Level Switch



- Improved Function.
- Reed switch was moved within the housing for a more accurate reading.

Idler Wheels



- Now using NSK Bearings.
- NSK Bearings have a better seal and are held to a better tolerance.

Pinion Gear



- Added mass to help engage at colder temperatures.
- Spring/Stop: Increased spring rate slightly to keep from binding.
- (570 only)

Right Hand Skid Plate



- Heat shield added to RH belly pan. Stays in place and eliminates the foil tape.
- (570 Only)

Muffler



- Sound reduction measure : Including a wider muffler with more internal packing
- Quieter, but looks the same
- (570 Only)

ECU PROGRAM CHANGE

Over-temperature Warning!!



- Illuminates coolant light and flashes TEMP icon 5 degrees F sooner than previous.
- Cuts more fuel than previous causing a more noticeable decrease in performance.
- Improves chances that customer will notice and remedy high heat scenario, preventing damage to the engine.
- (Z1's Only)

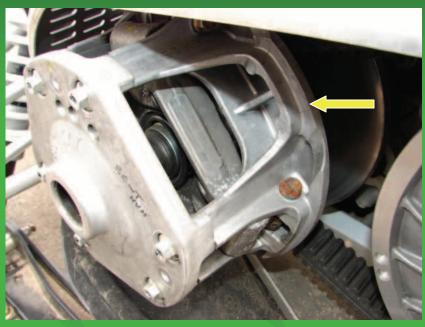
Speed Sensor Mounting Bracket



New bracket that allows the sensor to be located further from the exhaust preventing failures due to heat. (Z1's Only)

Drive Clutch Bearing





- NEW Material Better heat resistance and durability.
- Used in the cover and movable sheave.
- (Used in 2011 on 800cc Models)

Drive Clutch Cover





Mounting holes added to mount accessory drive clutch fan.

Drive Clutch Spider



- NEW material used (357 Aluminum)
- 357 Aluminum is 20% stronger, 4 times the elongation (8% vs. 4%)
- Increased spider life for extended use and high-load applications, like running at elevation.
- (570's are excluded)

Brake Fluid

Changed to **DOT 4** from DOT 3

This was done to commonize the brake fluid used in the Twin Spar Chassis and the ProCross/ProClimb Chassis.

Model Specific Updates

No changes have been made to the following models unless stated previously.

- **F570**
- **T570**
- TZ1
- TZ1 Turbo LXR
 (Except) The use of Fox IFP gas shocks on overseas models only.
- BC 570

BEARCAT MODELS

BC 570 XT
BC Z1 XT
BC Z1 XT LTD
BC XT GROOMER SPECIAL



Handlebar Riser and Wrap





- 2 inch riser added.
- Better ergonomics and leverage when riding while standing.
- Wrap changed to accommodate 2 inch riser.

Limiter Strap / Limiter Strap Hardware (All XT Models)





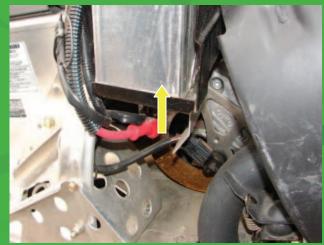
- Heavy/Stronger material.
- Hole spacing at bottom mounting axle decreased to provide a secure fitting.
- Both the material change and hole locations help prevent the limiter strap from contacting the track.
- Fastener changed from a hex head to a pan head on top of the arm to prevent track wear. (Not Pictured)

Right Hand Side Panel / Belly Pan (Z1 Only)





- Added foam to the upper RH side panel for sound reduction.
- Added foil tape to the RH side panel, RH skid plate and battery tray for heat protection.



Resonator (Z1 Only)



Internal perforated tubes changed as a sound reduction measure.

Track Drive Sprockets



Larger radius and more material added around the spokes for improved durability.

Engine Heater (Z1 Only)



LOCTITE™ 565 (p/n 1049-277)

- Thread sealant change from teflon tape to a liquid sealant (LOCTITE™ 565) around the heater element threads.
- Liquid thread sealant offers a much better seal.
- 2nd run Z1 XT OS/Z1 XT LTD for 2011 were built using LOCTITE™ 565.

NEW MODEL BEARCAT

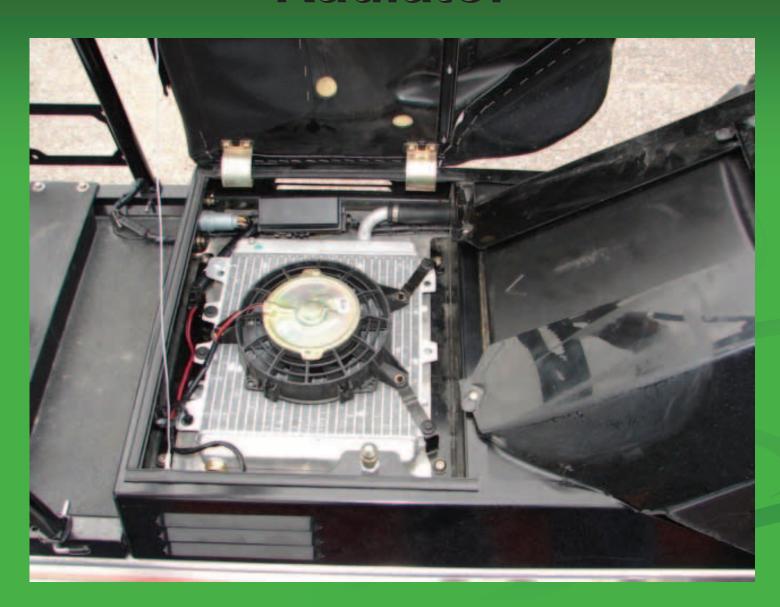
2012 Bearcat XT Groomer Special



Key Features

- Radiator
- **2500 lb Winch**
- Front 2 inch receiver bumper and winch transport mounting bracket
- Engine heater
- Extra tall windshield
- Quick detach light bar
- LED flood/work light
- Safety beacon/strobe light
- Groomer control switches
- Wired to mate with Mountain Grooming Equipment brand groomer (plug and play)
- Safety orange color package
- Groomer (optional)

Radiator



2500 lb Winch



Front Receiver Bumper and Winch Transport Mounting Bracket



Extra Tall Windshield



Quick Detach Light Bar



Safety Beacon/Strobe Light LED flood/work light



Groomer Actuator Switches



Two switches to control front and rear height actuators of the groomer.

Pre-wired for Mountain Grooming Equipment Brand Groomer



Safety Orange Color Package



Groomer



- Made by Mountain Grooming Equipment
- Two actuators

2012 ProCross/ProClimb Chassis Technical Information

All New Chassis Design



2012 Chassis

PROCROSS PROCLIMB

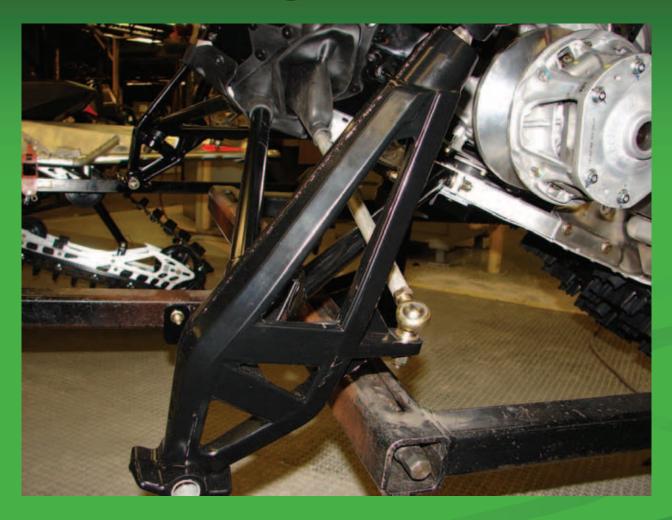
800cc H.0 2-Stroke 1100cc N/A 4-Stroke 1100cc Turbo 4-Stroke

ProCross / ProClimb

- ProCross and ProClimb Features
- Service Information and tips



New Forged Spindles



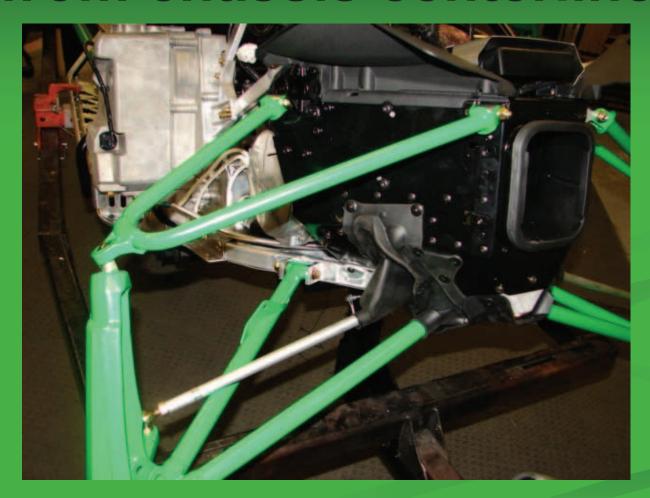
Forged one piece design for strength, added height for chassis strength and to keep the engine low in the chassis.

Ball Joint Suspension



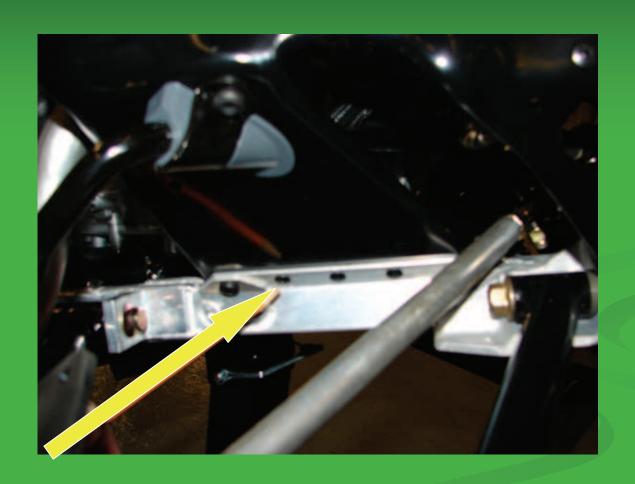
Loosen nut till it is flush with the stud, then strike the head of the nut with a hammer.

A-Arms / Shock mounted 30° from chassis centerline



Front suspension impact is sent through chassis rather than twisting chassis.

Lower Chassis A-Frame



Replaceable, held on by both, rivets and fasteners.

Rear spar support



Helps transfer suspension impact away from the rider.

Two Piece Tapered Tunnel



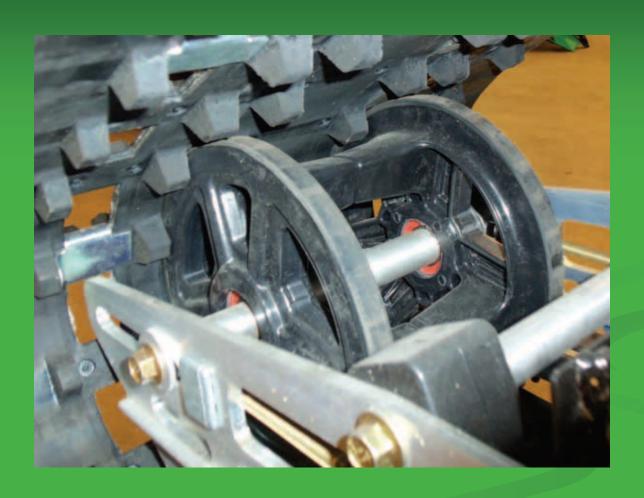
Added Strength and Comfort

Stamped Tunnel



Increases strength and rigidity

Tri-Hub Rear Axle



Tri hub rear wheel design, stronger and lighter that 3 and 4 wheel rear axles.

Exvolute/Involute Drivers



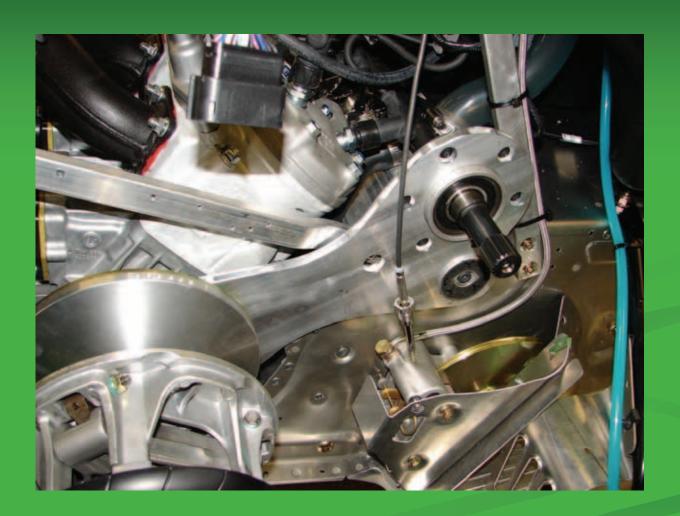
ProClimb and XF 3.0 pitch tracks only.

1100cc Coolant Tank



Formed to fit in available chassis space.

Arctic Drive System (ADS)



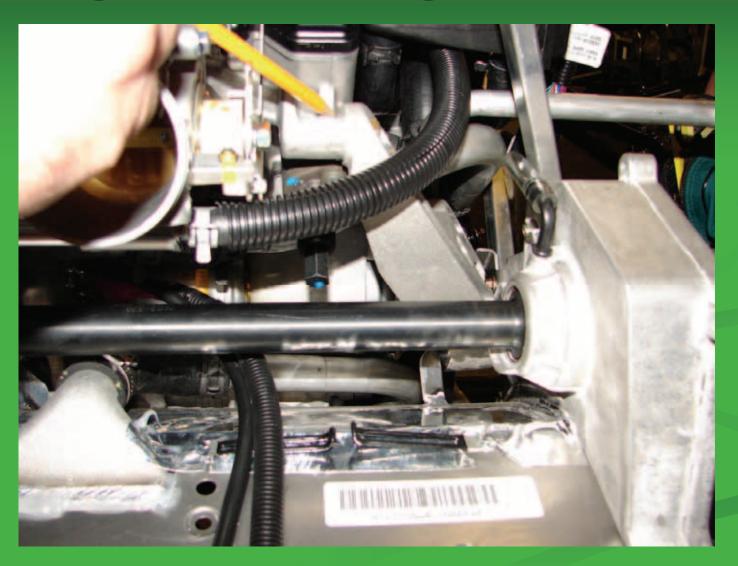
Torque Control Link (TCL) provides consistent center to center distance.

Jackshaft



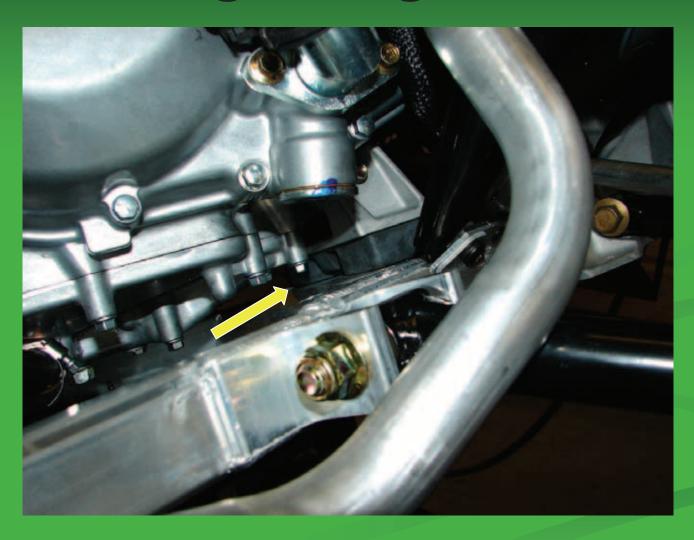
Sealed bearing requires no greasing, seals can be reinstalled if they come out in engine removal.

Right Rear Engine Mount



1100 N/A and 1100 Turbo

Front Right Engine Mount



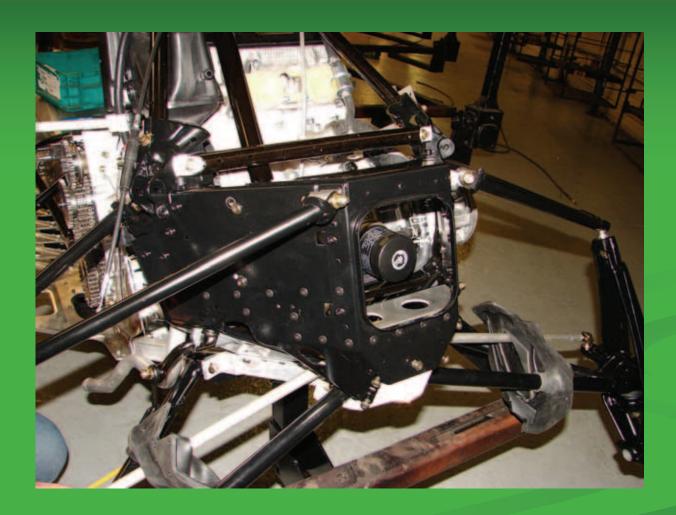
1100 N/A and 1100 Turbo

Oil Filter Location



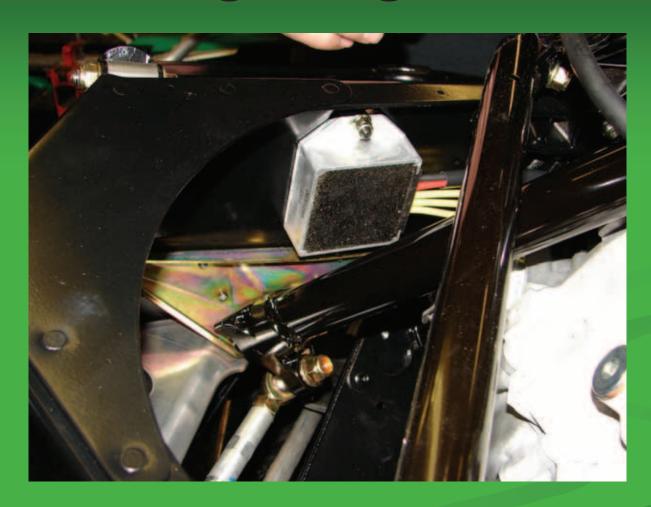
1100 N/A and 1100 Turbo

Front Bulkhead



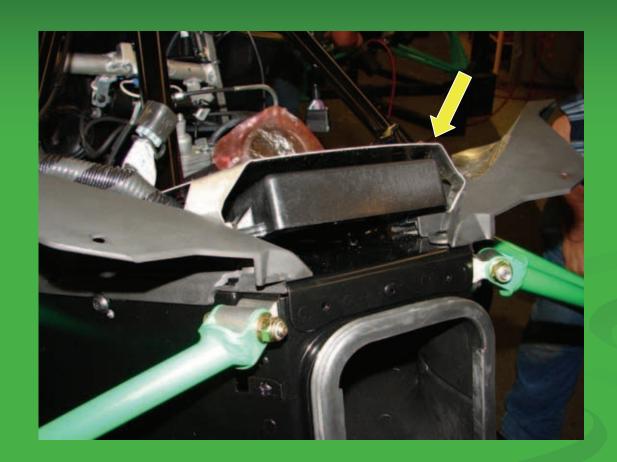
Replaceable

Voltage Regulator



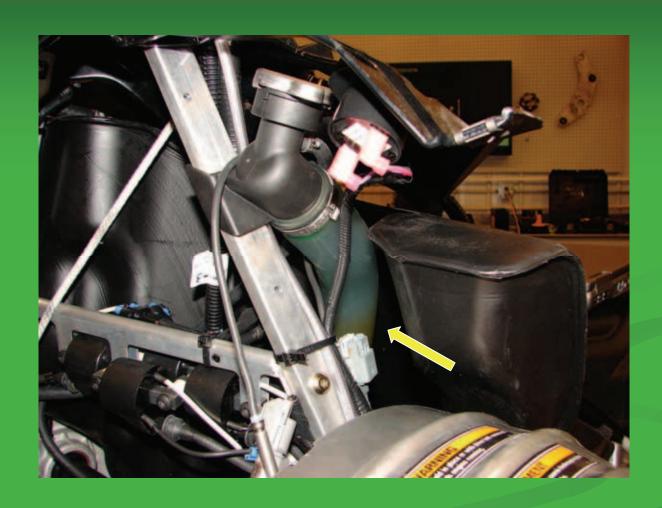
Located right of the steering post on all ProCross/ProClimb models.

ECU Heat Shield



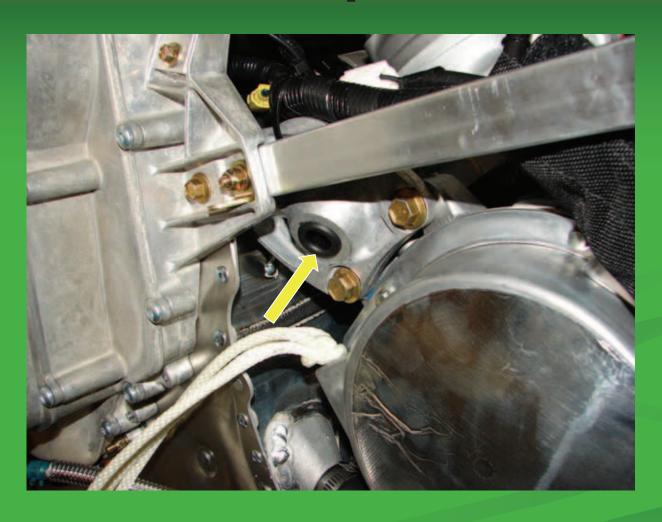
Protects vital electronics from heat

Coolant Reservoir



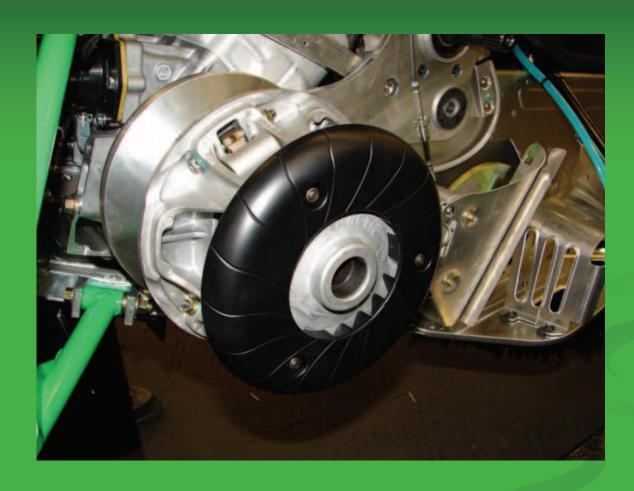
An extra large clear hose, high visibility and resistive to leaks vs. molded tanks in the past

Recoil Rope Guide



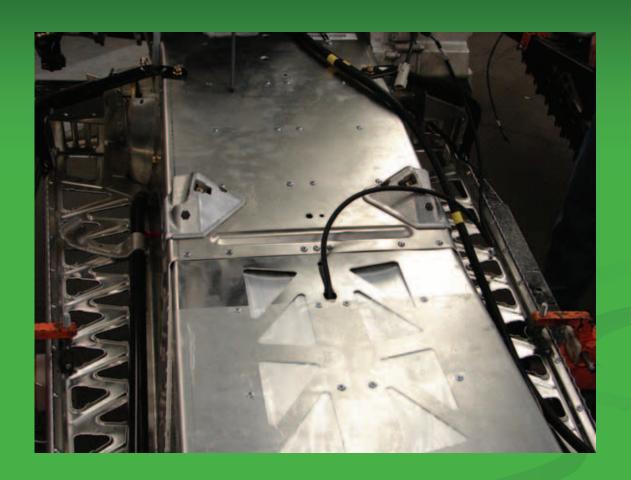
Recoil rope guide is routed through the right rear engine mount on the 800cc H.O Models.

Drive Clutch Fan



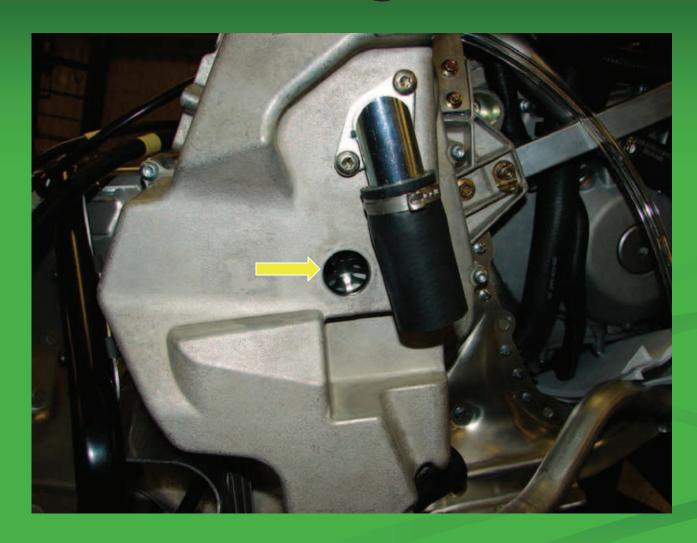
Lowers CVT temperatures, extends drive belt life. It will be standard on some models and available as an accessory.

Tail Light Harness



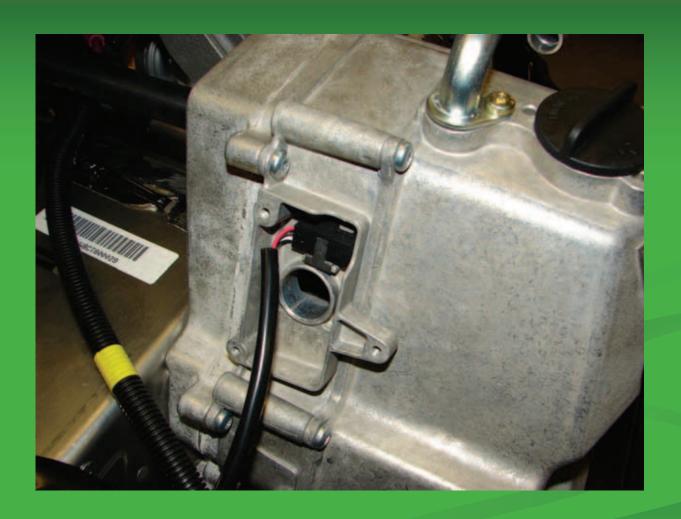
Routed through a hole in the tunnel and under the gas tank.

Oil Tank Sight Glass



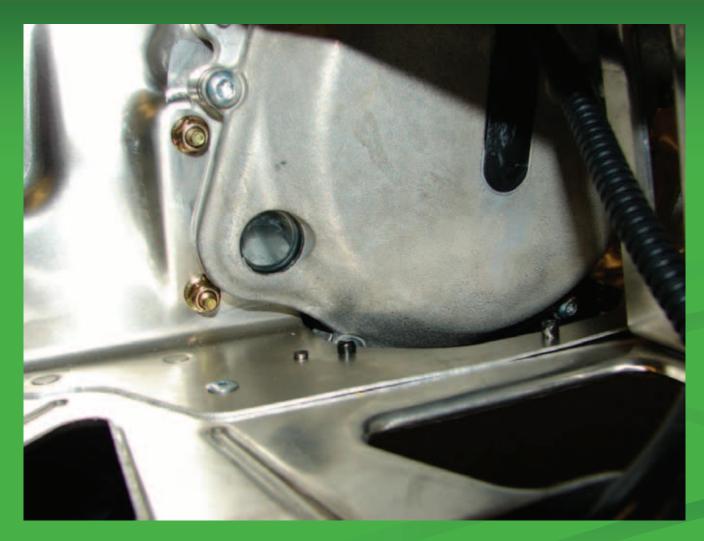
All ProCross/ProClimb models.

Gear Position Sensor



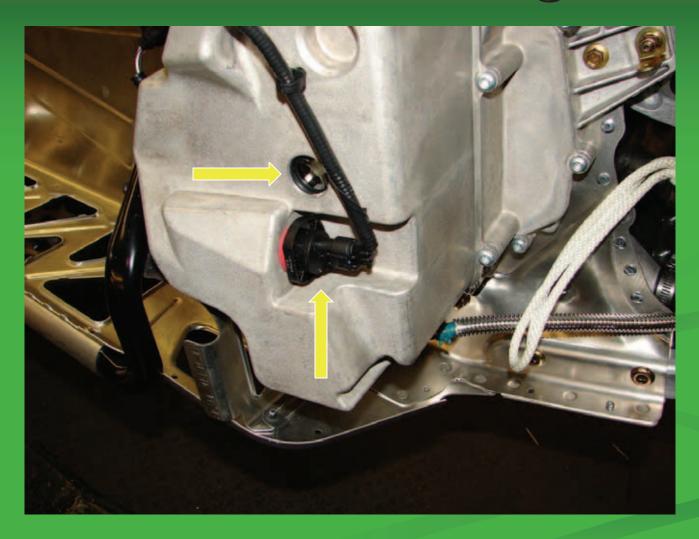
Located under the reverse actuator on 4 stroke models.

Drop Case Cover



Sight glass for ease of checking drop case oil level.

Oil Level Sensor and Sight Glass



Reed switch has been improved.

Drop Case



Bottom sprocket held on by a snap ring.

Speed sensor pick-ups located in the drive shaft.

Speed Sensor



All new speed sensor, adheres into molded location on the drop case with a Loctite™ sealant.

Drop Case Drain Pan



Drop Case Drain Pan



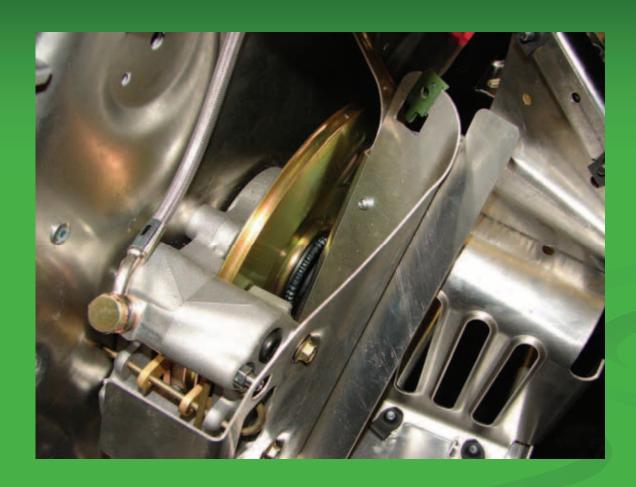
Drain hole for fluid change.

Radial Master Cylinder (RMC)



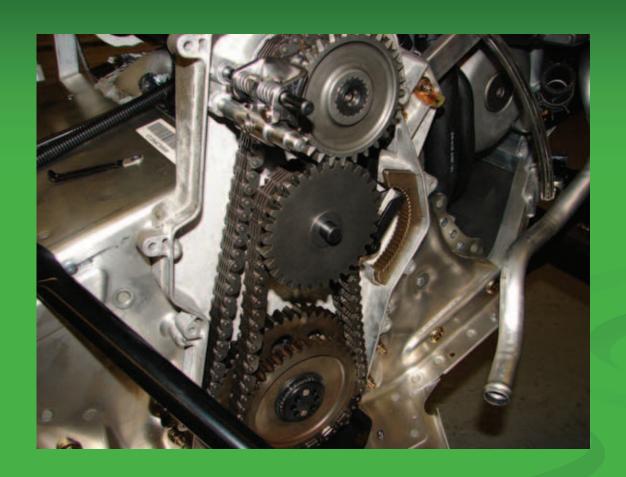
RMC coupled with a longer brake lever requires less effort.

Drive Shaft Mounted Brake Rotor



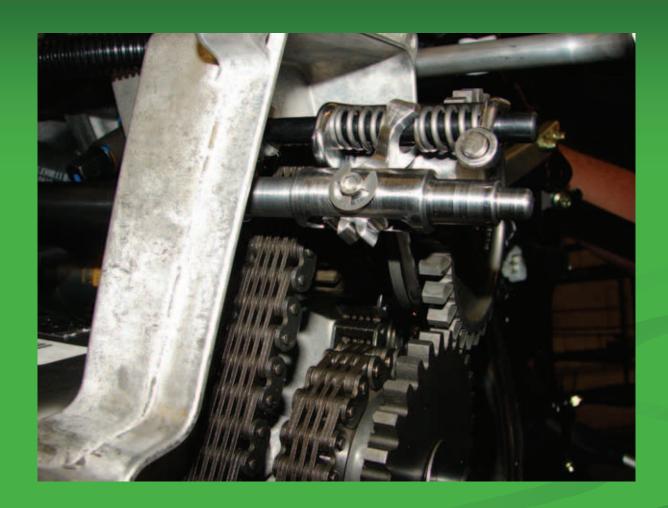
Located on the left side of the drive shaft on ProCross/ProClimb models.

Electric Mechanical Reverse



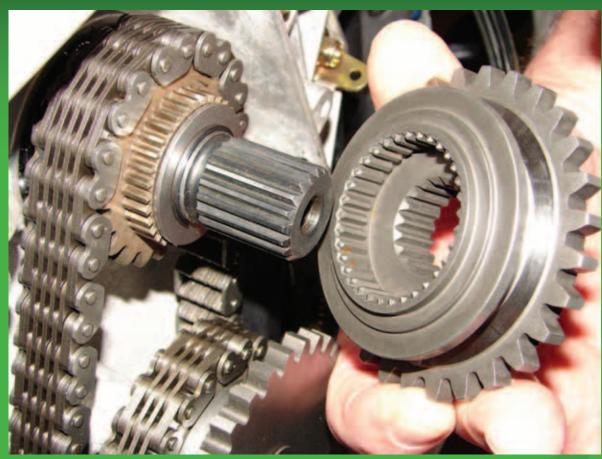
4 Stroke Models only. System uses 2 chains and 2 sets of gears shifted by a shift actuator.

Actuator Shift Mechanism

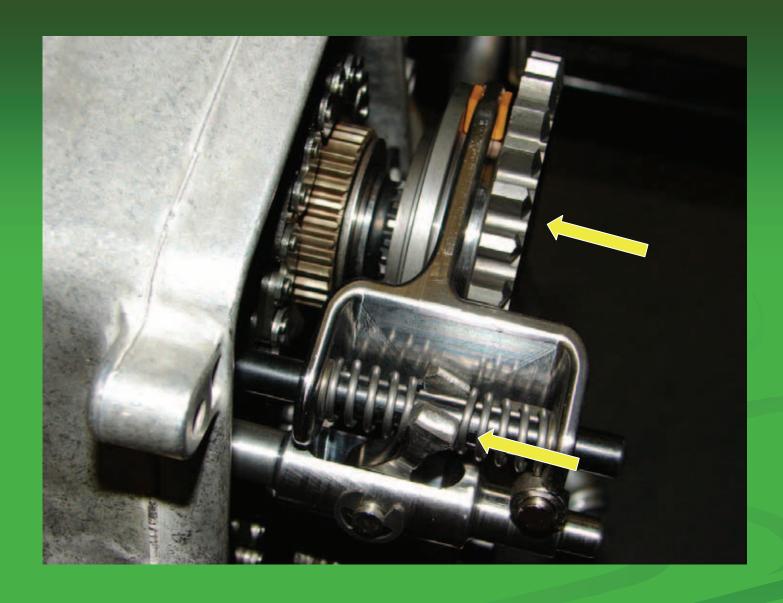


Slides drive gear into reverse gear.

Reverse Drive Gear

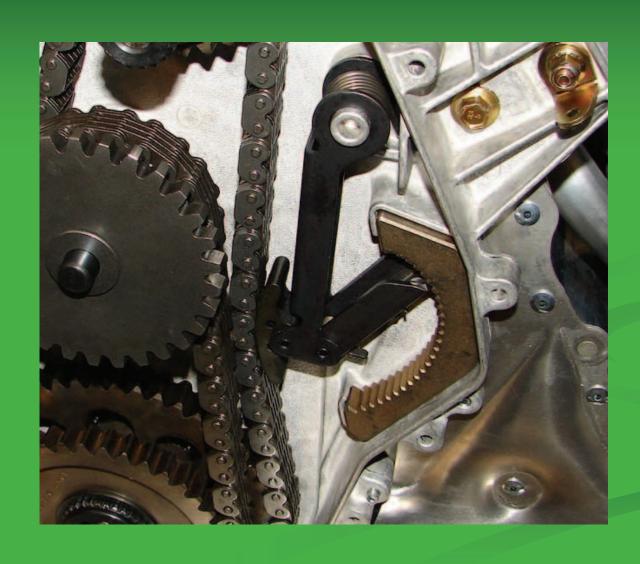


Reverse drive gear engages jackshaft to drive sprocket for forward. Reverse drive gear slides over to engage reverse driven gear for reverse.



Another view of shift fork. It is in reverse, shifting the direction of the arrows would be forward.

Automatic Chain Tensioner



Tool kit location



Behind oil tank.

12 Volt Accessory Plug



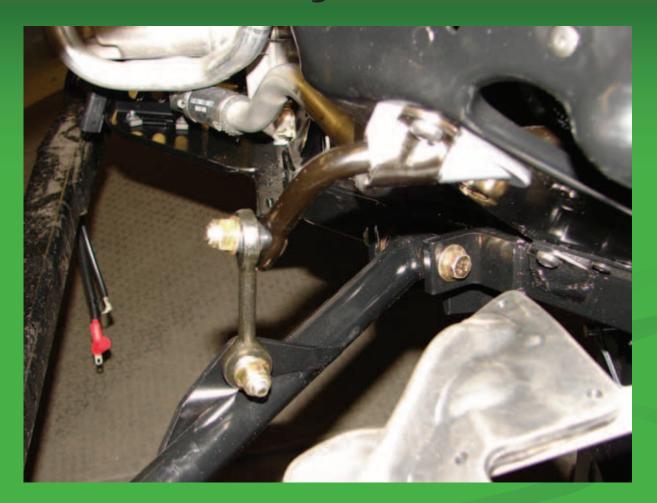
Located behind the oil tank.

ProCross Features

F800 H.O / LXR / Sno Pro
XF 800 H.O / LXR / Sno Pro
F 1100 / LXR / Sno Pro
XF 1100 / LXR / Sno Pro
F 1100 Turbo / LXR / Sno Pro
XF 1100 Turbo / LXR / Sno Pro



Sway-bar



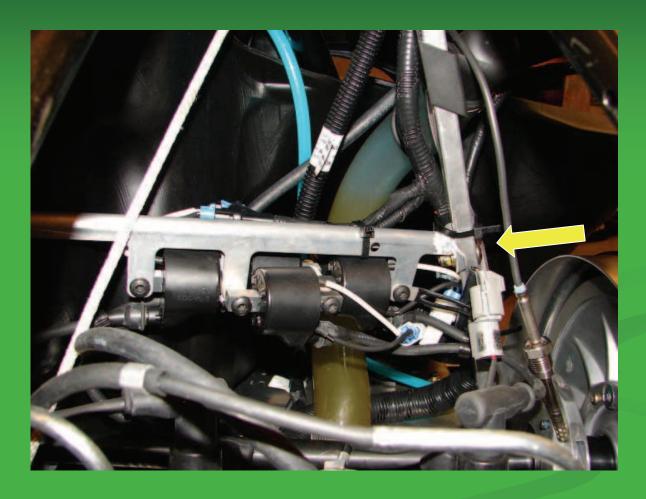
Sway-bar runs through the chassis fastened with hardware.

Rear Heat Exchanger Spacers



Spacer allow for snow to cool from top and bottom.

ProCross Ignition Coil Location



Fastened between the two support posts for the steering.

ProClimb Features

XF 800 High Country M800 H.O / Sno Pro / HCR M1100 / Sno Pro M1100 Turbo / Snopro / HCR

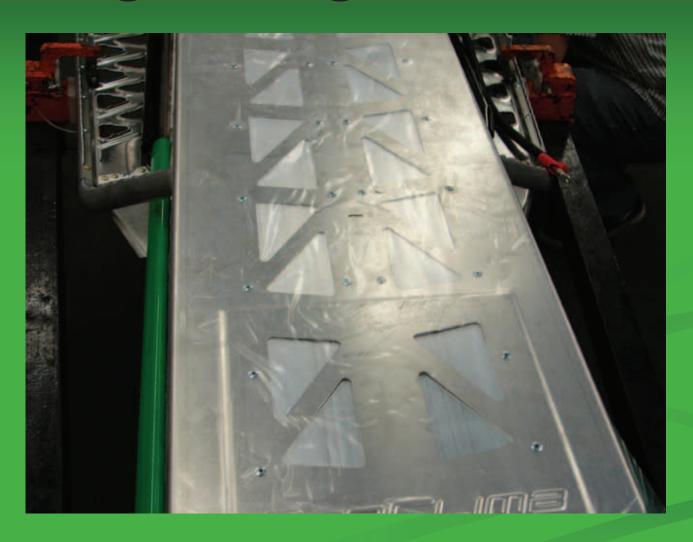


ProClimb Coil Location



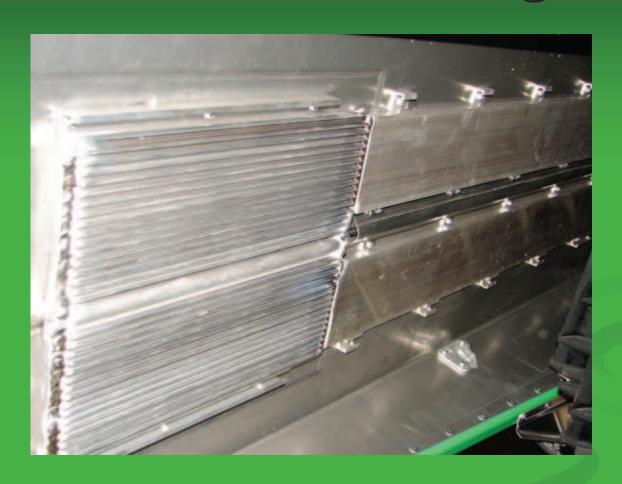
Fastened to the steering support.

Light Weight Tunnel



Provides Structure with weight savings.

Rear Heat Exchanger



Mounted against the tunnel on ProClimb. Customers riding ProClimb models in trail conditions must use ice scratchers.

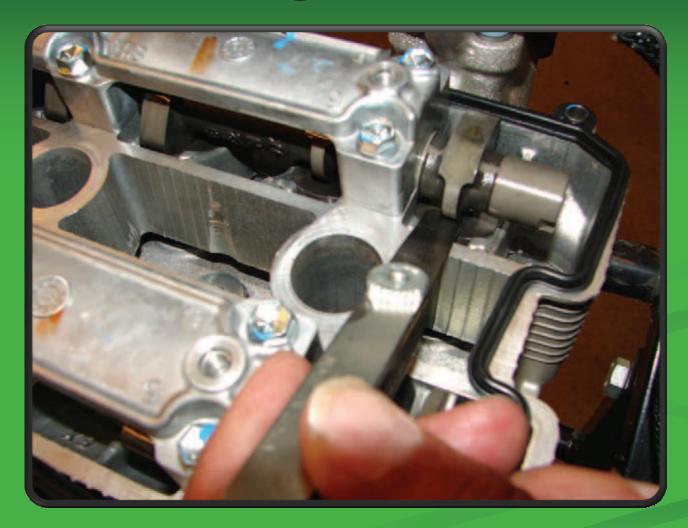
ProCross and ProClimb Service Information



Contents

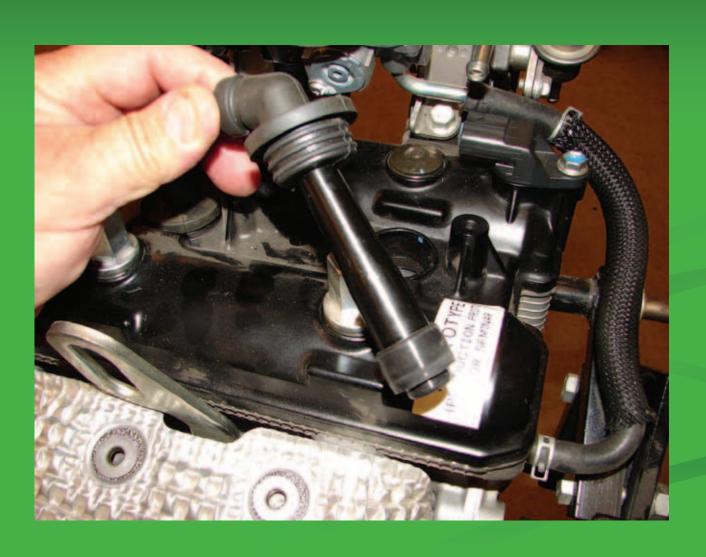
- Valve Lash 1100 4 stroke models
- Performing a head gasket leak down test
- Turbo Charger System 1100 4 stroke
- ADS (Arctic Diagnostic System)
- Changing oil on the 1100 4 Stroke
- Removing the drop case cover / oil reservoir
- Automatic Chain Tensioner
- Removing drive chain and sprockets
- Upper drop case bearing
- Track removal
- Team driven pulley
- Removal of the Seat, Hood, and Side Panels
- 800cc H.O engine removal and installation tips
- 1100 N/A engine removal and installation tips

Checking Valve Lash



Valve lash should be checked every 5000 miles.

With the valve cover accessible, remove the spark plug caps.



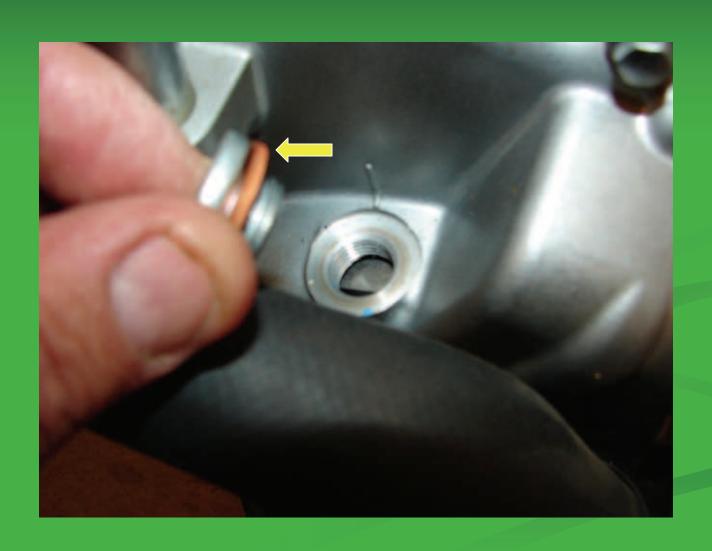
Remove the valve cover fasteners and account for the fastener seals.



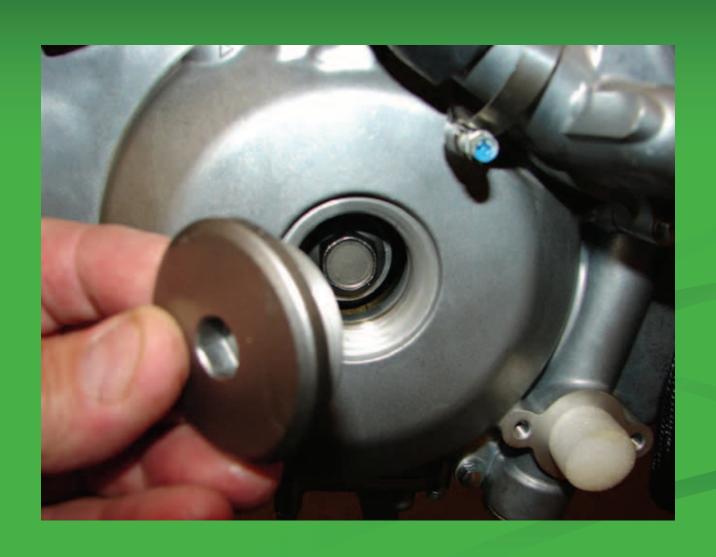
Remove the valve cover and account for the gasket.



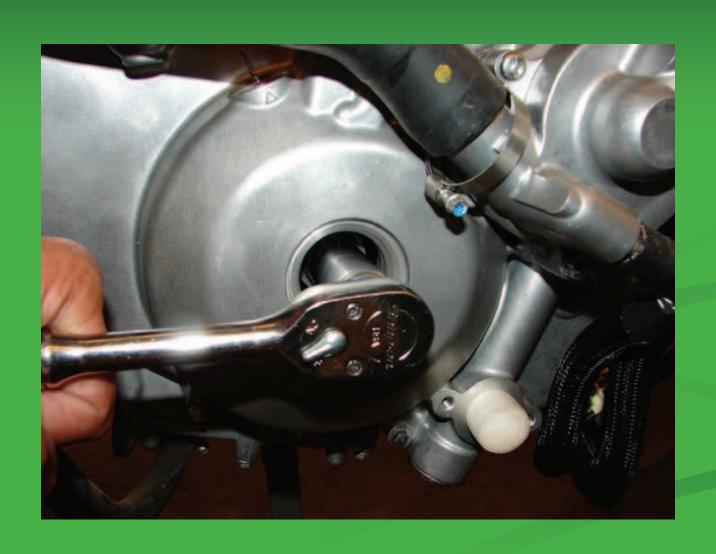
Remove the timing inspection plug. Account for the copper gasket.



Remove the mag access cover.



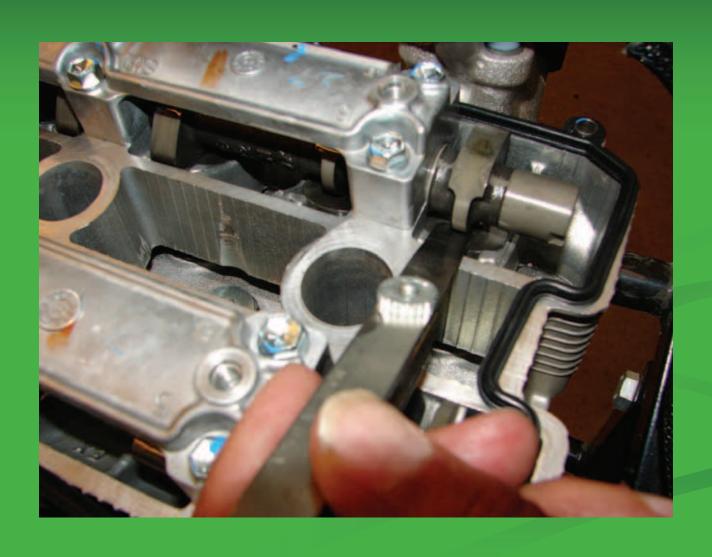
Rotate the engine to top dead center compression stroke on the mag side.



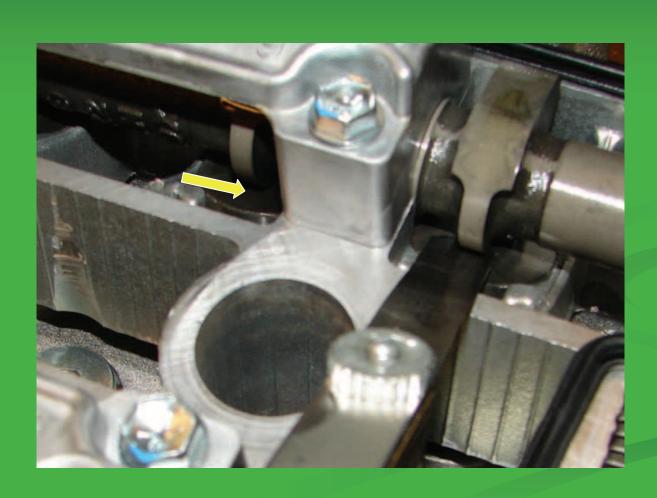
Timing mark on the flywheel must align with indicator mark on the mag cover.



With the cam lobes up away from the valve bucket, check valve lash using a feeler gauge.



Ensure the decompressor is not contacting the valve bucket. If it is contacting, rotate the crankshaft clockwise slightly.



Head Gasket Leak Down Test

Leak down tool (p/n 0644-522) needed for this test.

rotate engine to TDC using a breaker bar on the drive clutch bolt. Install hose from tool (p/n 0644-522) into spark plug hole. Turn the regulator knob until the Leak Down Gage reaches "SET". Push in on the regulator knob to lock it.

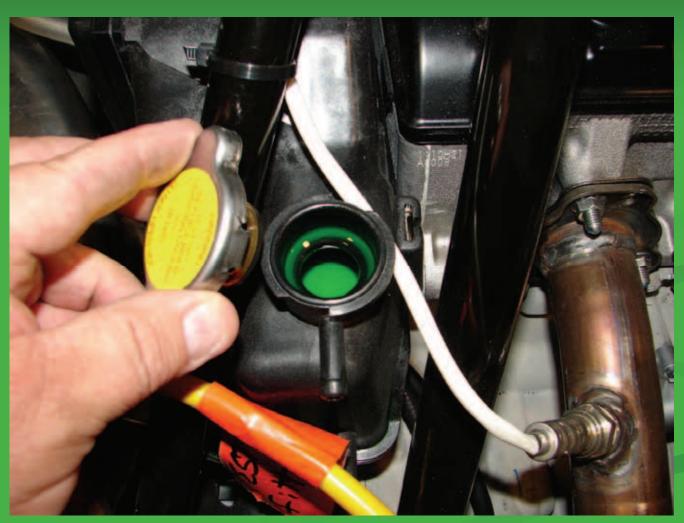


While holding the engine from rotating, attach the regulator to the hose. The needle should stay in the green.



If bubbles are present when checking at the coolant reservoir, the head gasket has failed.

Repeat on the opposite cylinder.

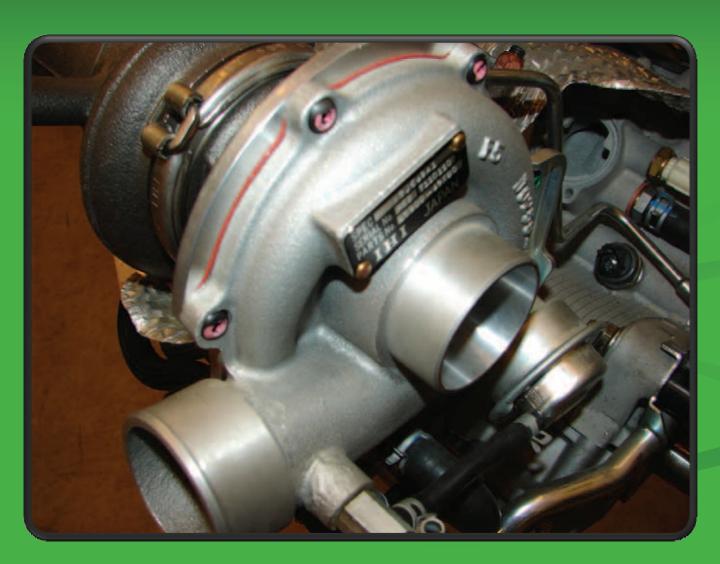


Causes of Head Gasket Failure

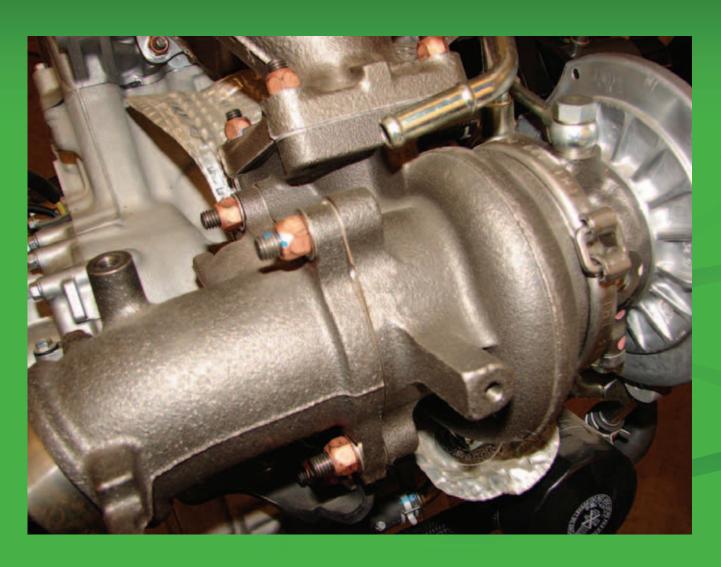
OVERHEATING the engine is the #1 cause of head gasket failure!

- Improper cooling system bleeding.
- Low snow operation.
- Hard snow operation (Ice Scratchers will help operation on hard snow or ice).
- Cold temperatures causing ice to build up around rear cooler resulting in a hot air pocket around the rear cooler.
- Slow driving, not allowing snow to be thrown on the rear cooler.
- Excessive idle time.
- Low coolant level.

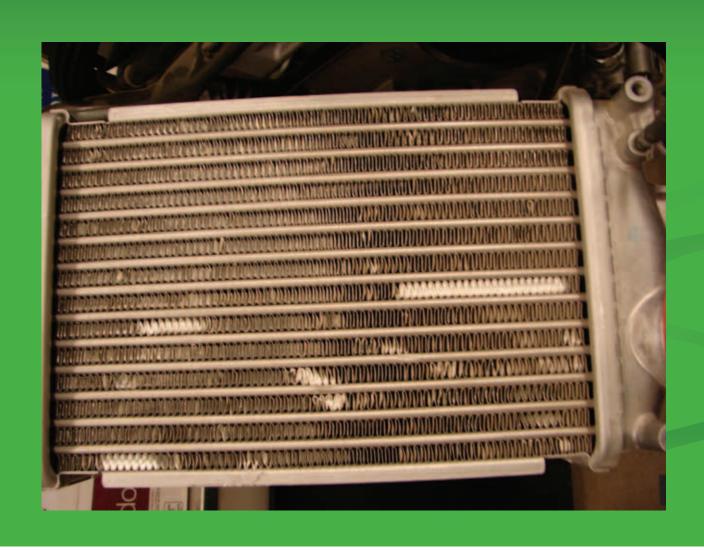
Turbo Charger System 1100 4 Stroke



The turbocharger uses exhaust gases to spin a turbine attached to the compressor to force more air into the combustion chamber.



The rapid compaction of the air by the turbo increases the air temperature, an intercooler is used after the compressor to cool the intake air.



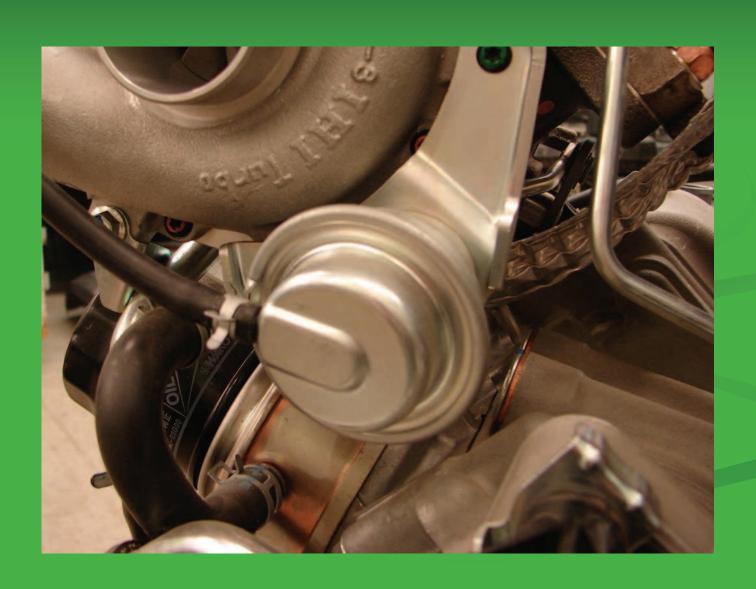
The air pressure sensor on the intake manifold sends a message to the ECU with manifold pressure.



The ECU then activates the waste-gate control valve once the boost pressure has been met controlling the vacuum to the waste-gate diaphragm.



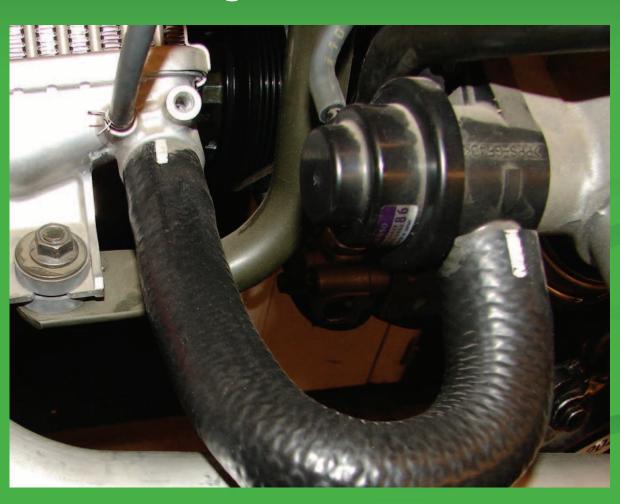
The waste-gate diaphragm pulls the waste-gate open to maintain boost pressure.



The ABV (Air Bypass Valve) controller receives a message from the ECU when throttle valve angle decreases.



The vacuum from the ABV controller opens the ABV to redirect compressed intake air back to the compressor to neutralize intake manifold pressure during deceleration.



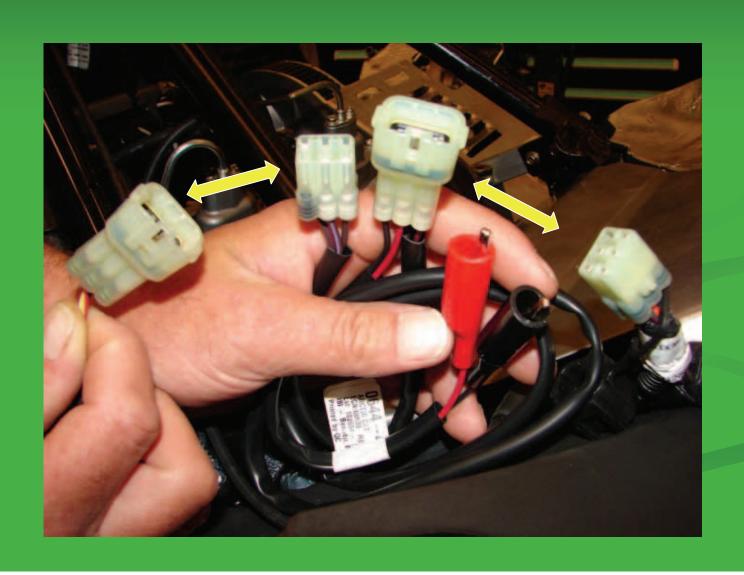
ADS Tool

(Arctic Diagnostic System)

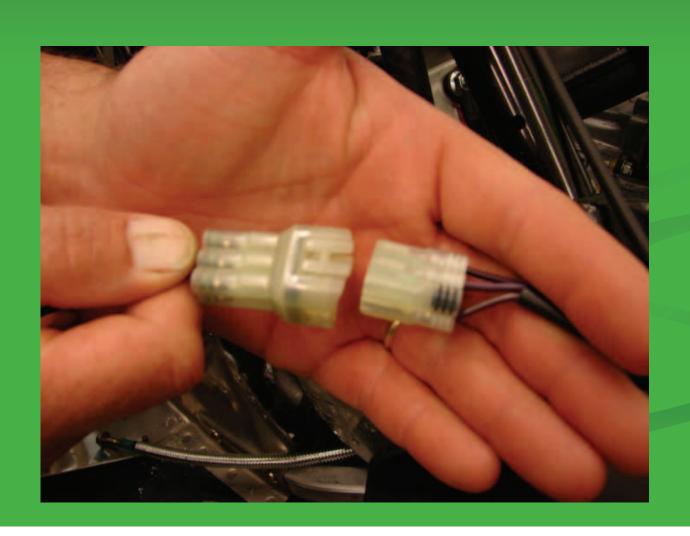


(p/n 0744-060)
Battery not included.

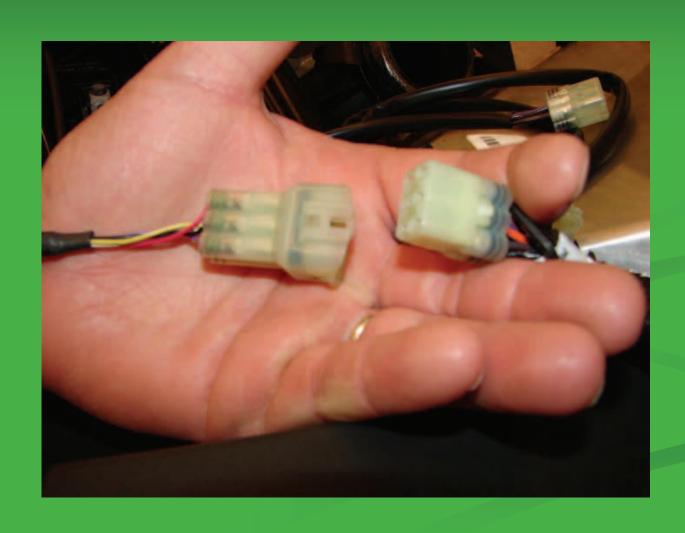
Connecting the 2-stroke adapter harness from the ADS to the snowmobile.



On 2007-Current 800/1000 2 stroke Engines. Connect communication cable with the adapter harness with red and black alligator clips.



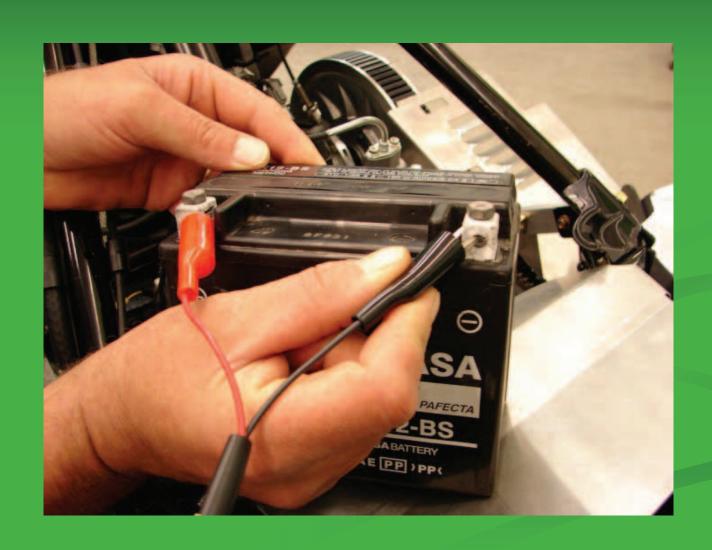
Connect the adapter harness to the diagnostic connector on the snowmobile.



With the computer on, connect the interface box to the USB port on the computer with the USB cable.



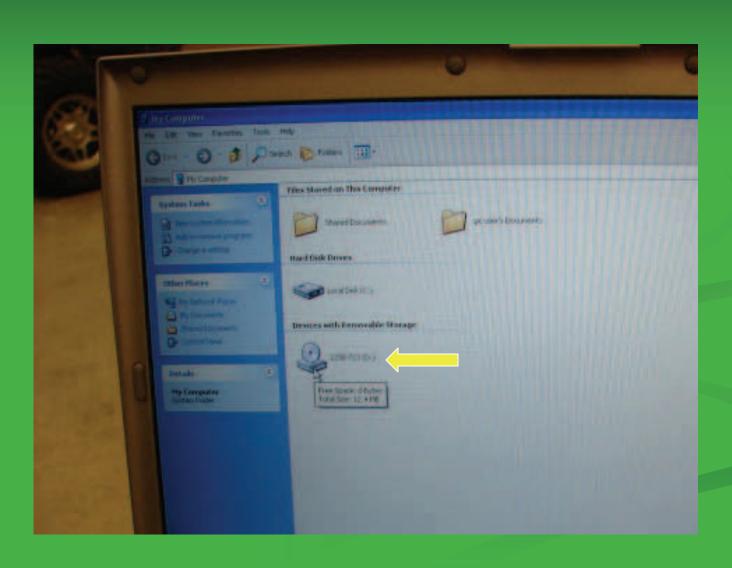
Connect the adapter cable to a fully charged 12v battery supply (12.5 + Volts).



Insert software CD into the CD drive.



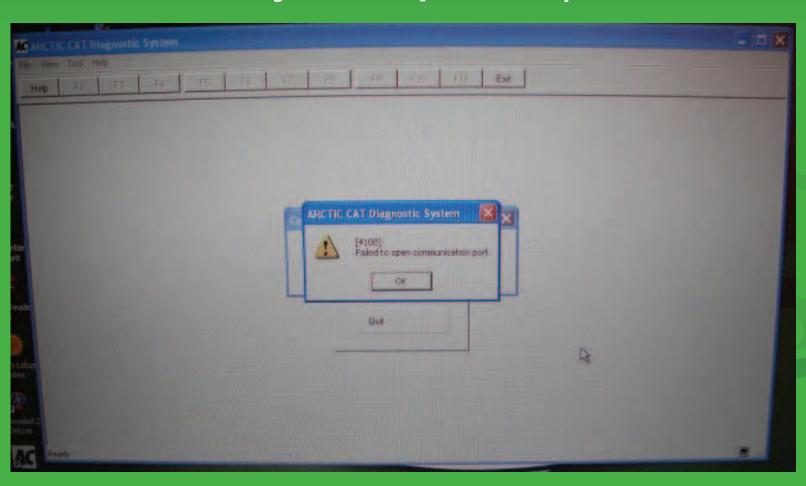
Go to "My Computer" on your laptop and install the software. Choose the option to save to the desktop.



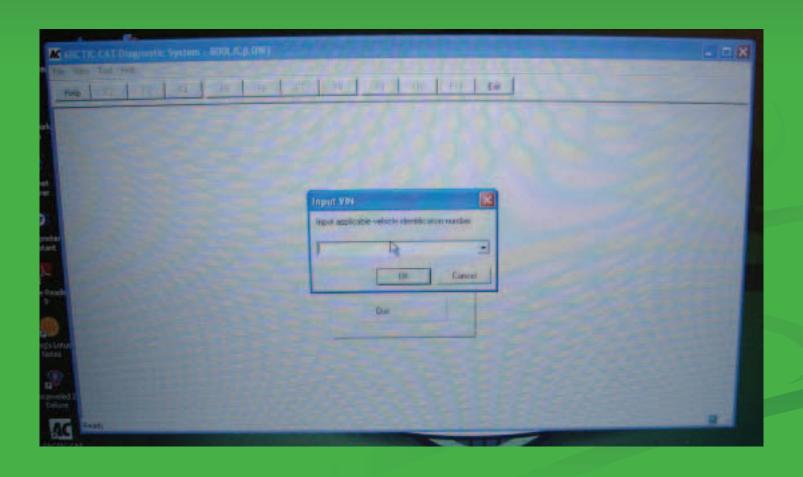
Once the software is installed, use the icon on the desktop to launch the ADS program.



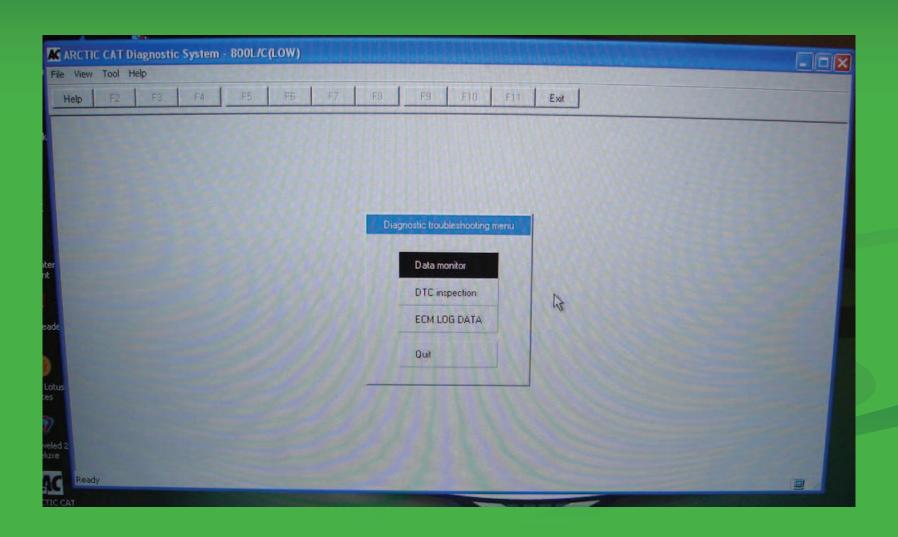
A "failed to open communication port" message may be from not having installed the software with everything connected. (on 2-stroke battery connected and 4-stroke stop switch and ignition key in run position)



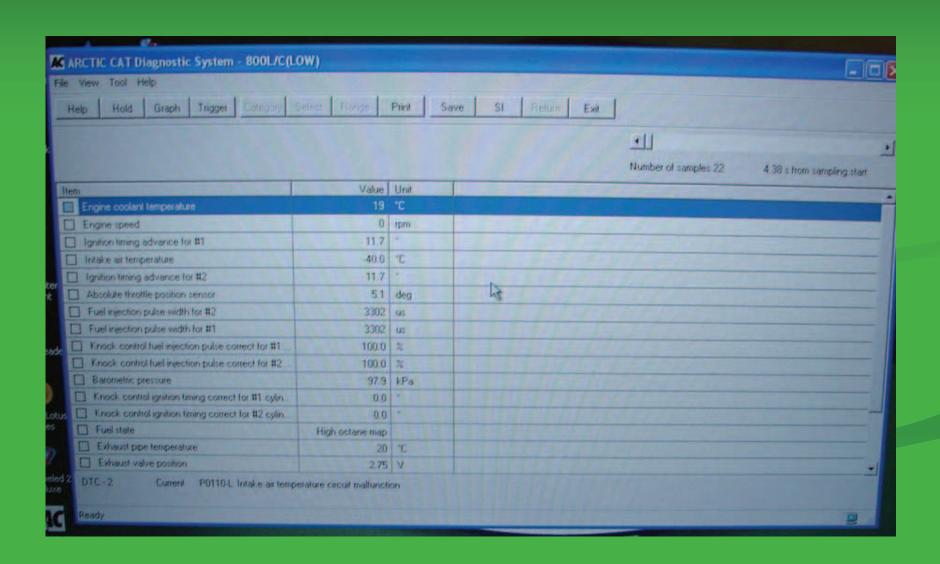
Input the vin number.



Data monitor



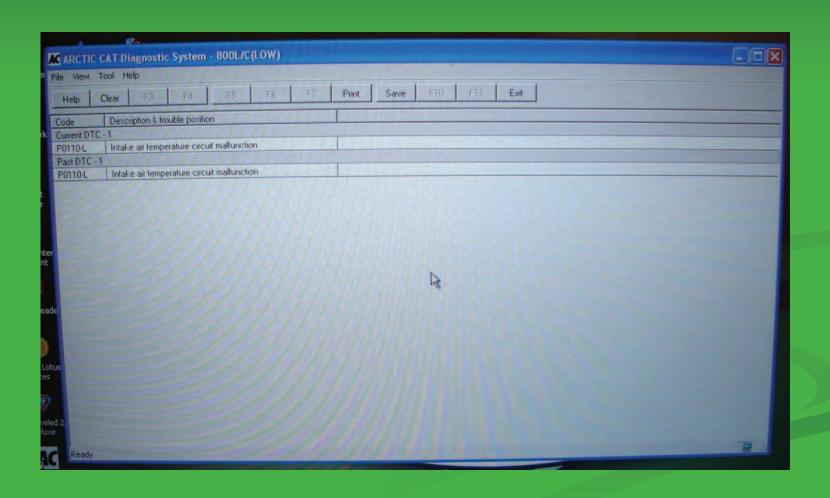
Data monitor is real time engine sensor data.



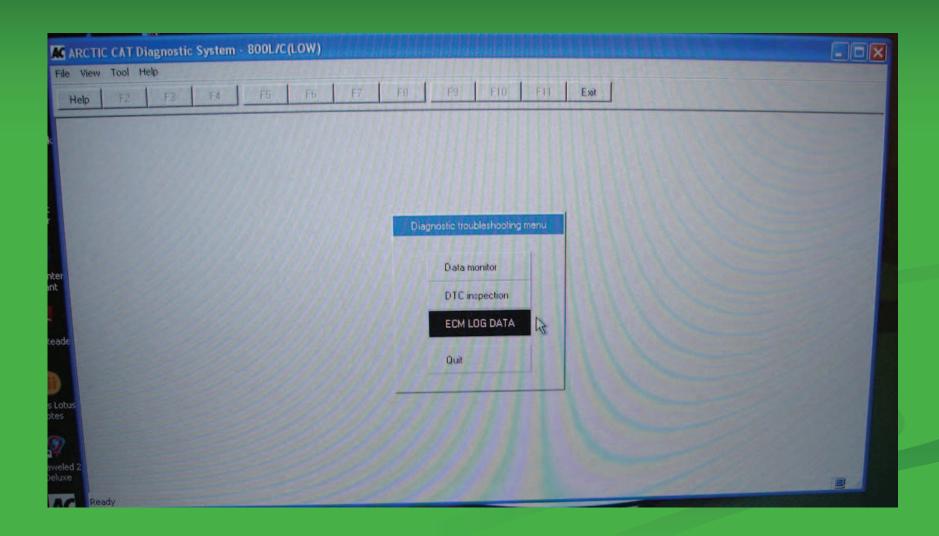
DTC inspection. (Diagnostic Trouble Code)



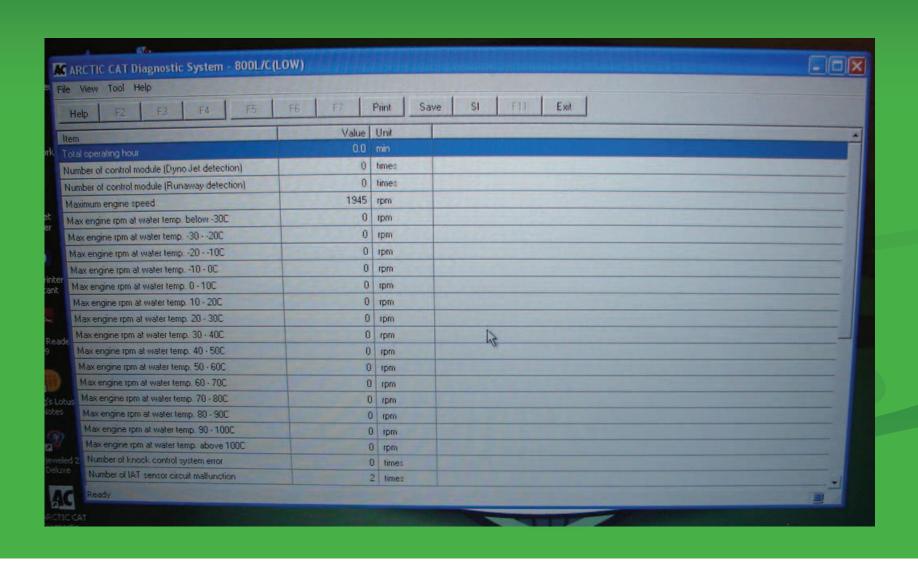
DTC inspection shows any past or current codes.



ECM LOG DATA



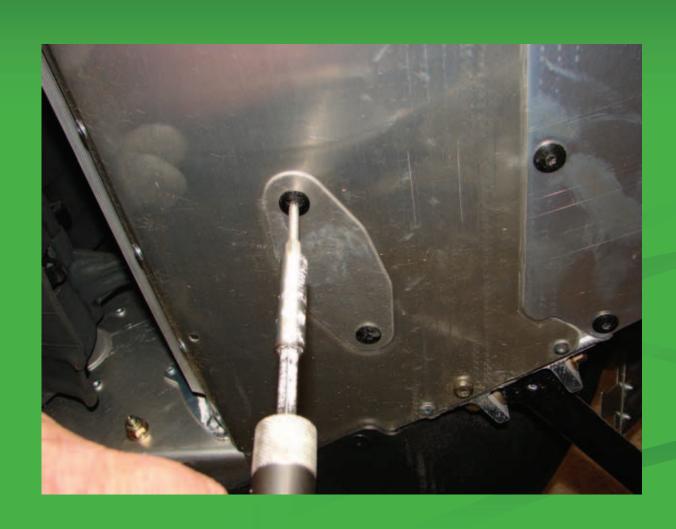
ECM Log Data screen shows engine running history and permanently records the number of DTC malfunctions.



Changing Oil on the 2012 4-Stroke

- 1100 ProCross/ProClimb N/A
- 1100 ProCross/ProClimb Turbo

Remove two screws from drain cover located on the underside of the front chassis.



Remove the drain plug from engine sump and allow engine oil to drain.



Loosen oil bleed screw the from crank case. This will allow all the engine oil to drain out properly.



Remove exhaust resonator and the screw holding the plastic belly pan at the foot well.

Hold the belly pan away from the oil tank

Using a 14mm wrench loosen the oil tank drain plug.



To avoid a mess and increase efficiency, cut a hole in an empty 1qt oil container to use as a funnel.

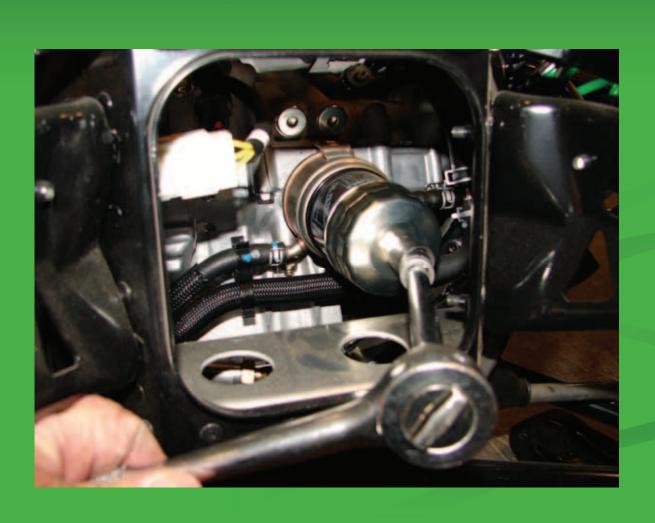






Place the funnel under the oil tank. Remove the drain plug completely, allowing oil to drain through the resonator hole into an oil pan.

Remove the oil filter/seal. Lube new oil filter seal and install by hand Torque to 15 ft/lb.



Install oil reservoir/engine sump drain plugs. Torque both to 16 ft/lbs.





Tighten the oil pump bleed screw, then pour 3 quarts of oil into the oil reservoir.

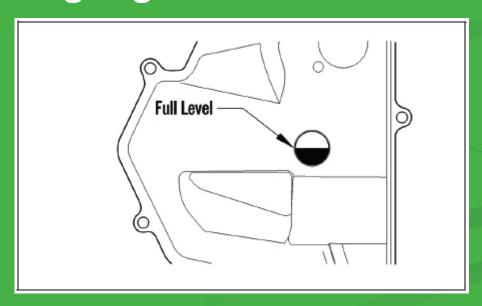
Loosen the oil pump bleed screw to purge air from the oil pump hose.



When air can no longer be heard torque the oil pump bleed screw to 96 in/lbs.



- With the key on make sure the oil pressure warning light illuminates.
- Now run the engine to make sure the oil pressure warning light goes away.
- Shut engine off.
- Fill the oil tank to the center of engine oil reservoir sight glass.



Oil capacity specification is available on Cat Tracker.

Coolant Bleeding



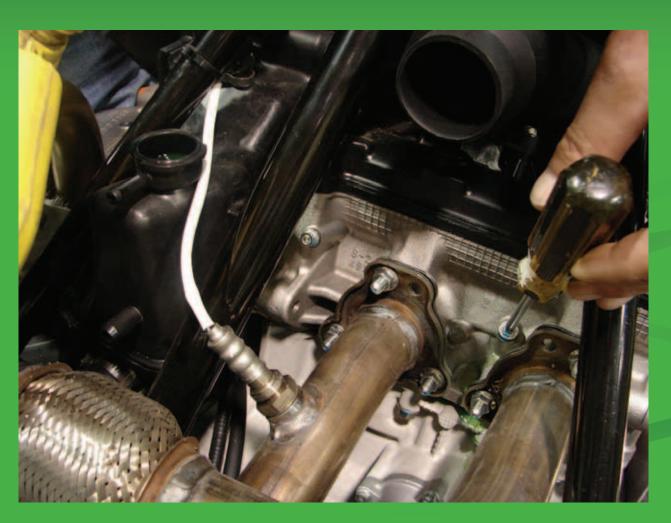
Lift the front of the snowmobile up approximately 12 -14 inches with the right side higher than the left.

Reason: The front heat exchanger outlet is on the bottom right. This is why we want the front elevated and higher on the right. This will help remove any air trapped in the rear heat exchanger.



Fill the coolant reservoir with 50/50 antifreeze.

Open the bleeder bolt between the exhaust manifolds until antifreeze is present with out air then close the coolant bleeder bolt.



With the coolant bleeder bolt tightened. Start the engine and let run until the rear heat exchanger is hot.



After the engine has cooled down recheck coolant level.



Photo of Coolant Bleed Screw



The bleed screw has two vents cut into the bolt.

Removing the Oil Reservoir / Drop Case Cover Assembly



Plug the drop case vent if tipping the machine on its side or chain oil will run out into the engine compartment.



Cut an old hyfax to 7.5" long.



Remove the rear belly pan fastener and hold the pan away with the piece of hyfax. This will allow room for the drop case cover to be removed.



Take note of the wire harness routing then remove it from the cover.



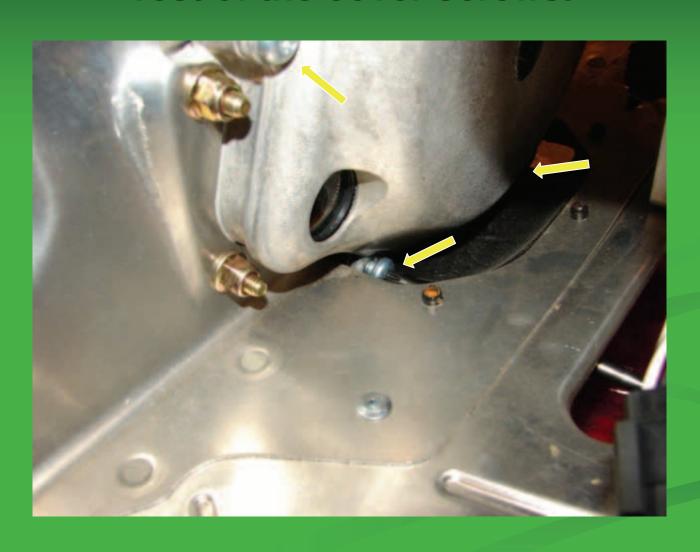
Pull the wire holder from the reservoir.



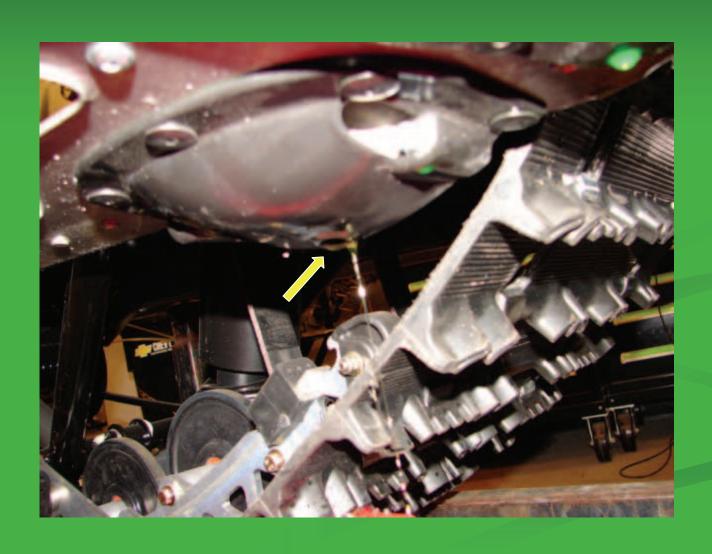
Place a drain pan under drop case.



Remove the bottom 6 torx fasteners, then loosen the rest of the cover screws.



Oil will drain from a hole in the drop case protector.



Once oil has drained, remove the remaining fasteners from the cover. Be sure to only remove the cover fasteners, not the reservoir fasteners.

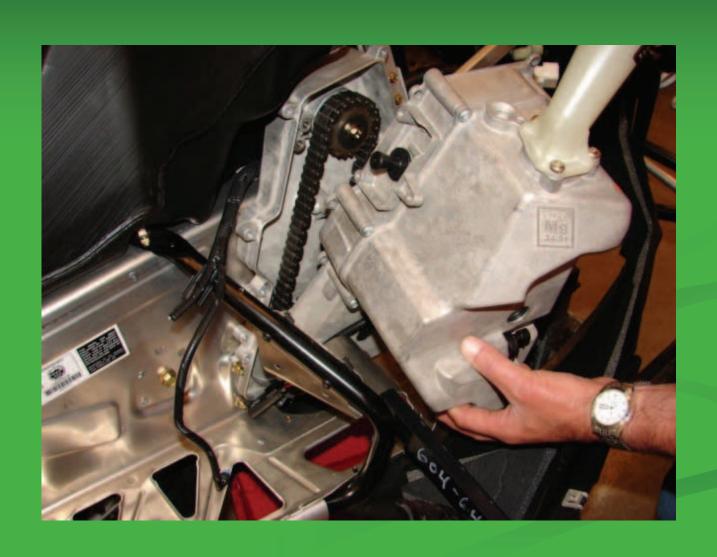


Remove the oil line and plug it with a rubber cap.



When reinstalling the cover remove the cap and reinstall the oil line!!

Rotate the assembly up and out of the chassis.

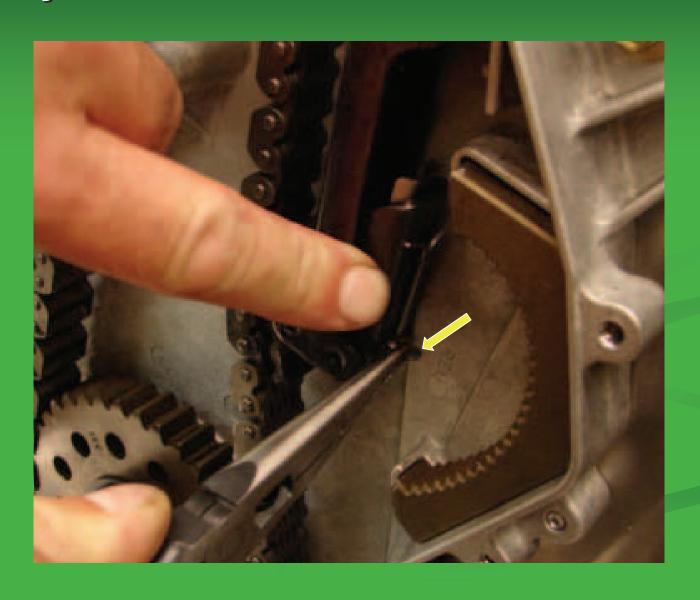


Removing the Drive Chain / Sprockets.

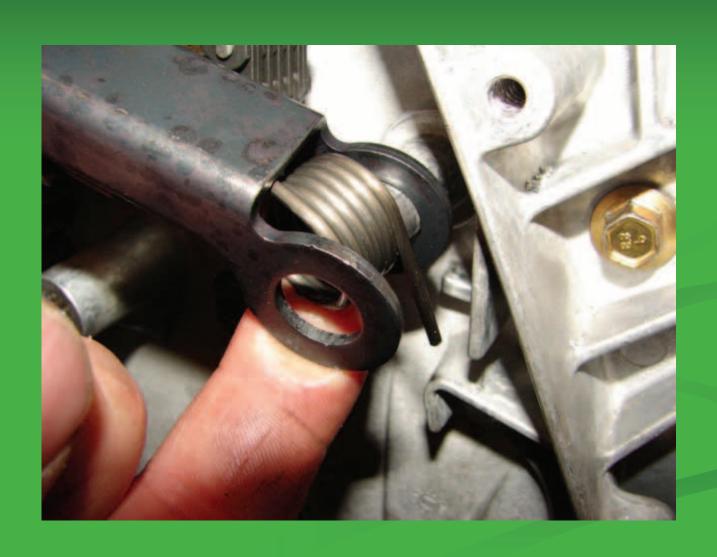
All New procedure for the 2012 ProCross/ProClimb models.



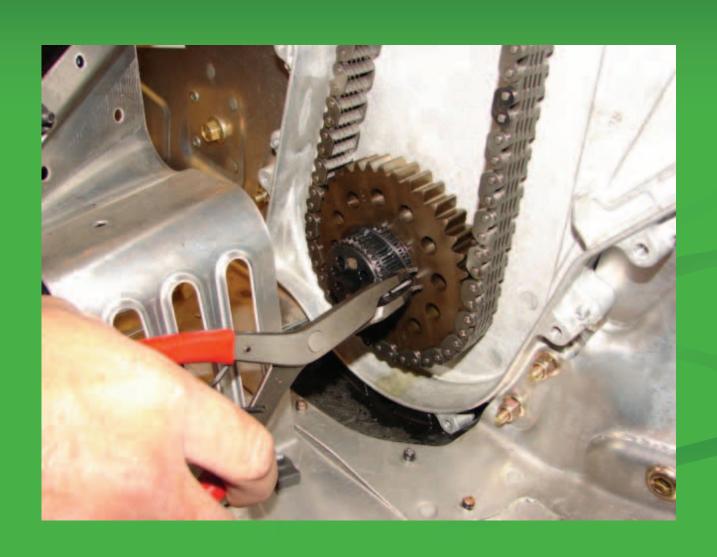
The self adjusting tensioner has a tab to pull back so you can remove the tensioner cam.



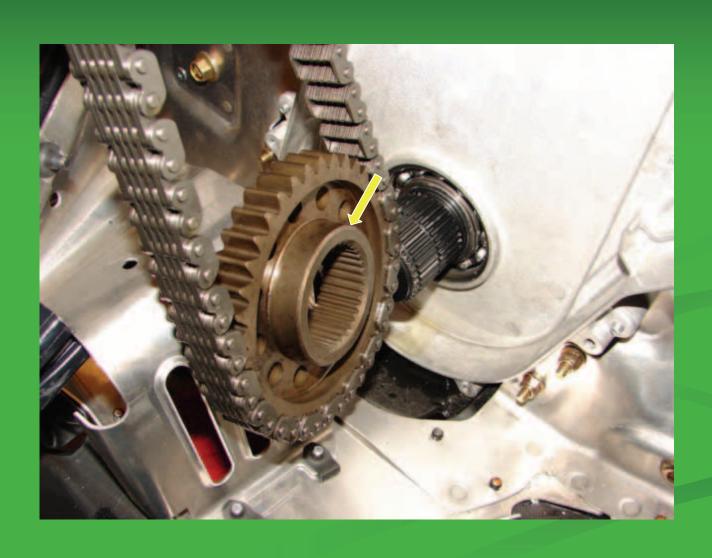
Remove the tensioner arm and spring.



Remove the snap ring from the drive shaft with snap ring pliers (p/n 0644-581), and the bolt from drive sprocket.



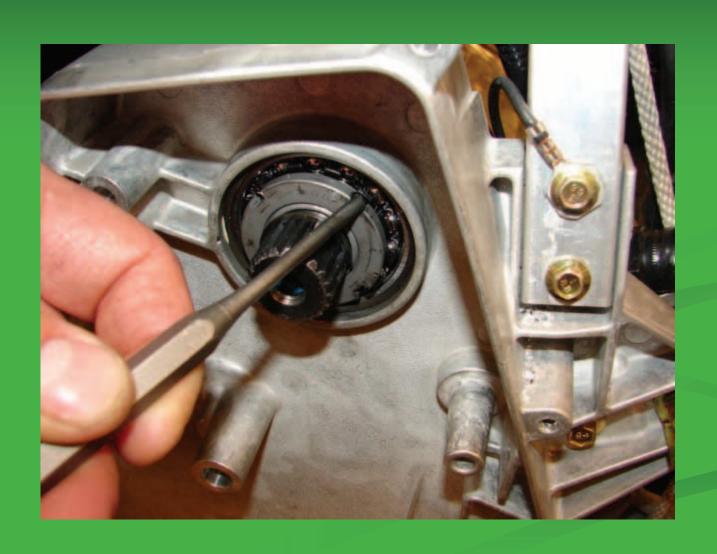
Remove the top and bottom sprockets together. Take note that the flange is to the inside.



Removing the Jack Shaft / Drive Shaft / Track



With a punch bend the locking tabs on retainer.



Remove the snap ring with snap ring pliers (p/n 0644-581).



Loosen the nut with socket (p/n 0644-516)



With nut backed off 2 full turns. Tap on the tool with enough force to loosen the eccentric collar from the bearing, then remove the nut.



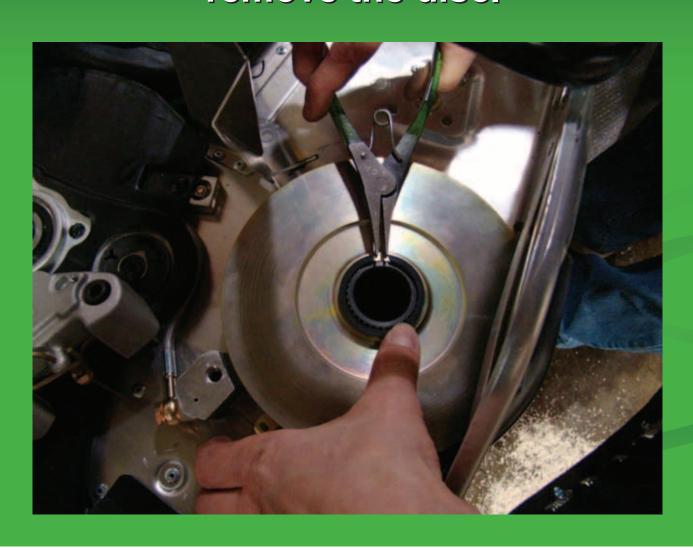
Remove the retainer. There is a tab on the retainer that aligns with the bearing keeper.



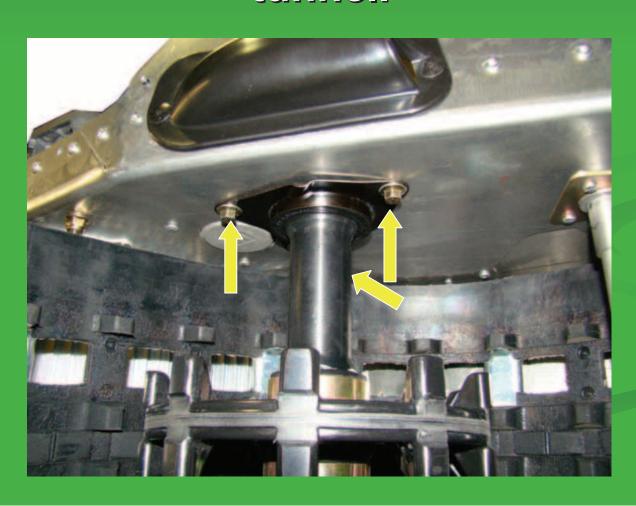
With the left rear motor mount bracket unbolted, remove the jackshaft out the left side.



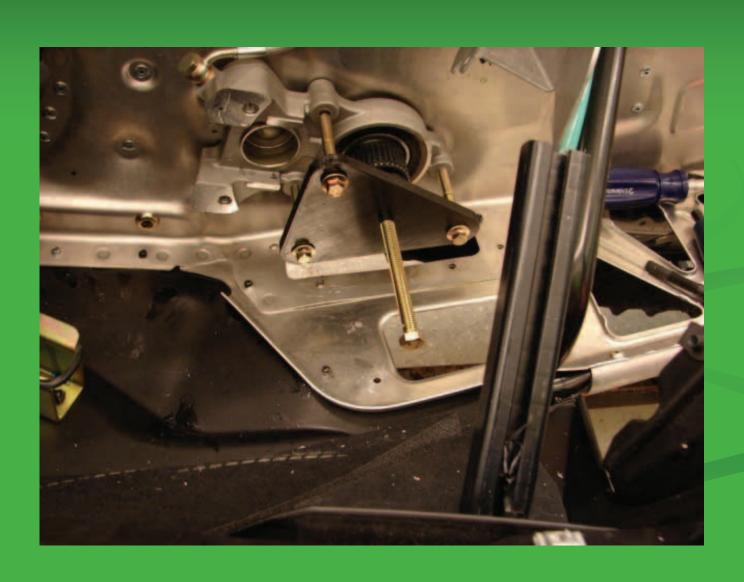
Remove left side toe guard and brake disc guard.
Remove caliper bolts then split the brake caliper.
Remove the snap ring securing brake disc then remove the disc.



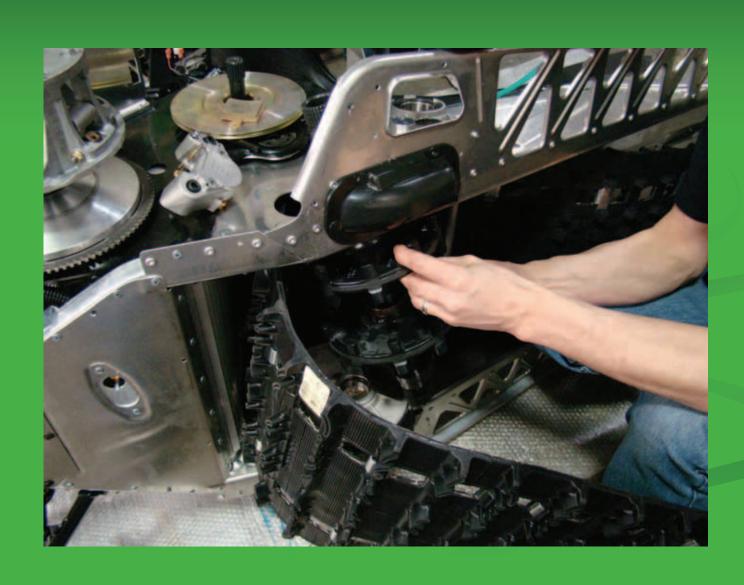
With the skid frame removed, remove the three cap screws on the inside of the tunnel securing the brake caliper to the tunnel.



Using tool (p/n 0744-067) pull the brake caliper/bearing assembly off the drive shaft.



Remove the drive shaft.



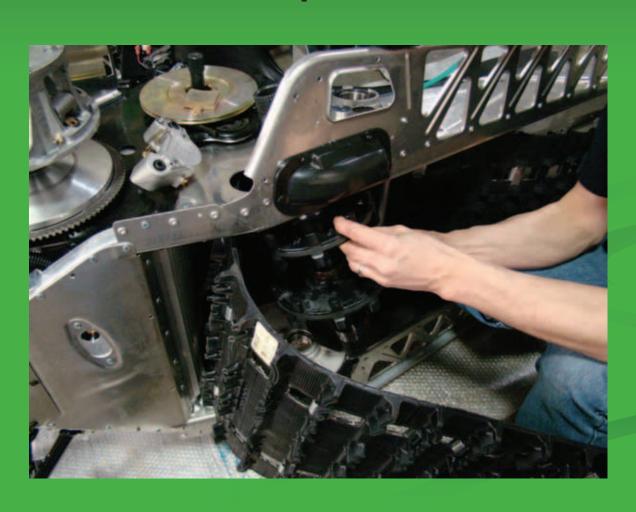
Installing Track / Drive Shaft / Jack Shaft



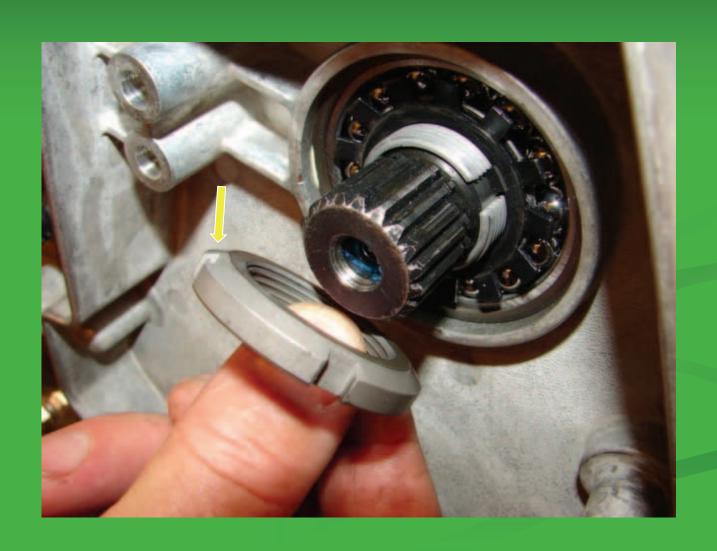
For track removal this shaft is removed. Here we are installing the drive shaft. For ease of installation we removed the end caps and only installed the slider axle.



This allows the tunnel to be pulled together for ease of drive shaft installation. It will help locate the snap ring grooves that secure the brake disc and drive shaft sprocket.



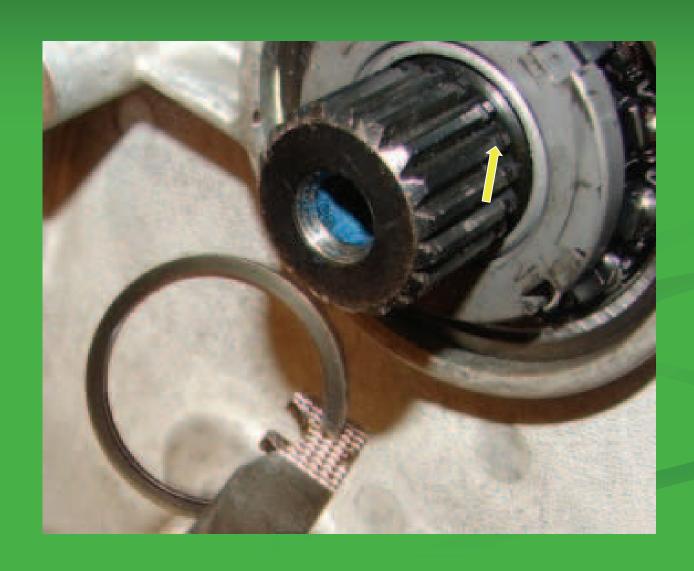
Reinstall the keeper, retainer and nut, the bevel on the nut should face towards the bearing.



Torque the nut to 35 ft/lbs with special tool (p/n 0644-516) and bend the retainer tab to lock the nut.



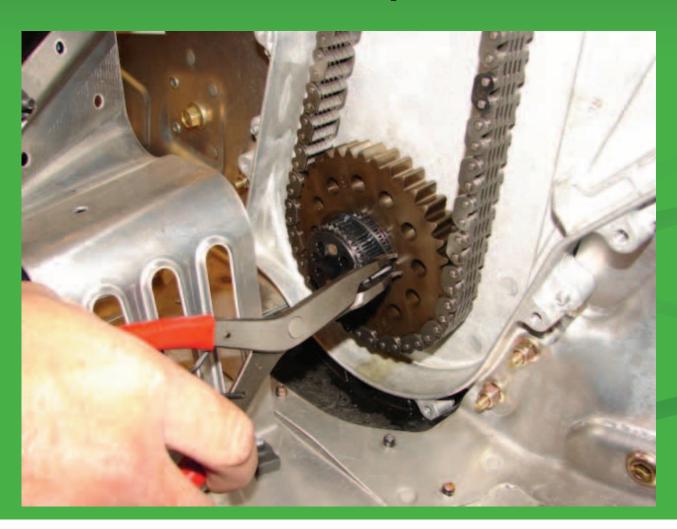
Reinstall the snap ring with the flat side of the snap ring facing inward.



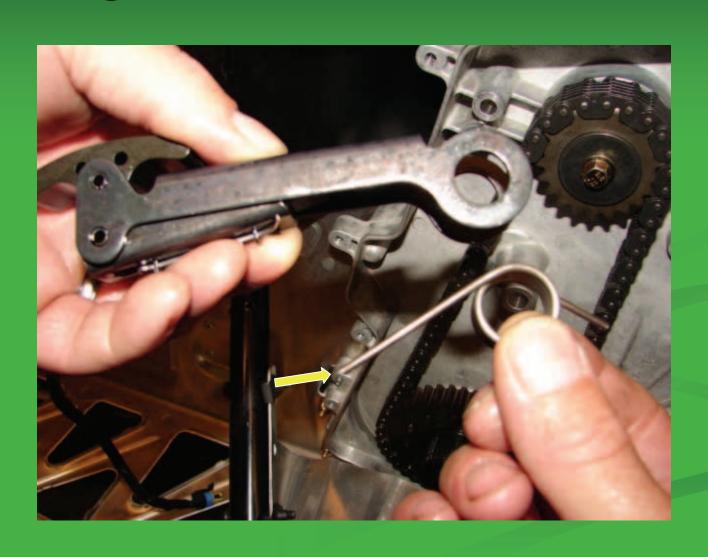
Installing Chain & Sprockets / Tensioner Assembly



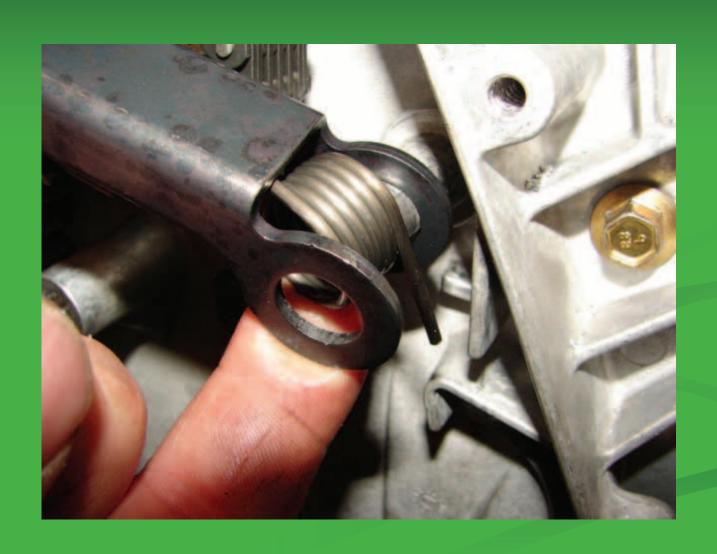
Install the top/bottom sprocket and chain together on to the shafts. Then install the snap ring on the drive shaft, and the bolt/washer into jack shaft to secure drive sprocket.



Take note that the long arm of the spring will go along the inside of the tensioner arm.



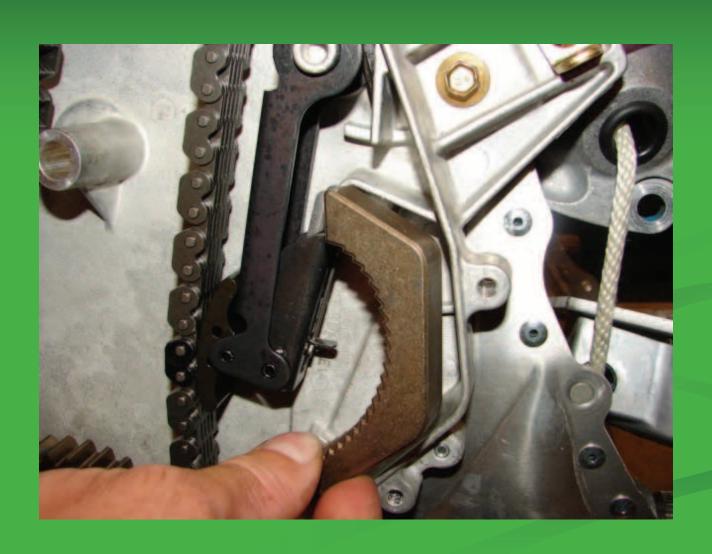
Reinstall the tensioner arm and spring.



Once the spring arms are in place, rotate the arm down until it is in position.



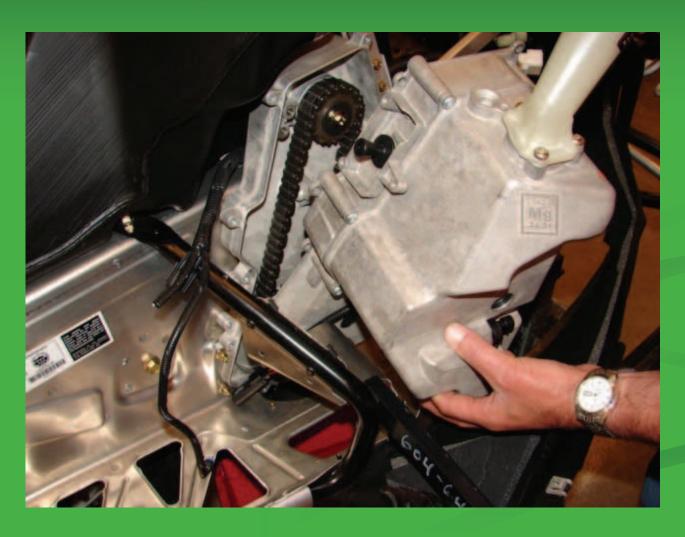
Place the cam into its position.



Push the tensioning mechanism in and rotate the arm to the 2nd or 3rd position. The tensioner will automatically tension when driven.



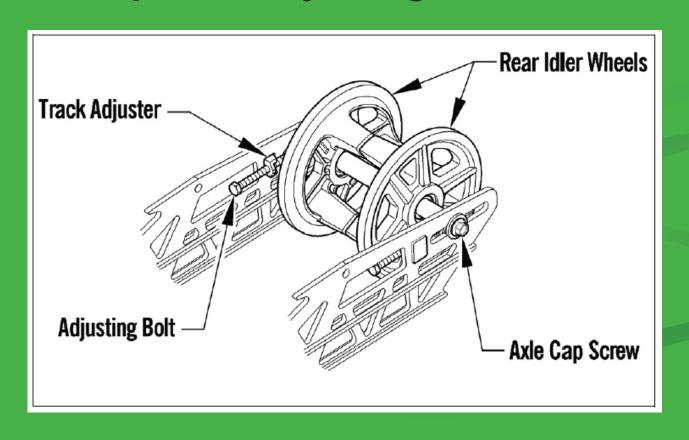
Reinstall the drop case cover. Then add synthetic chain lube to half way up the sight glass. Install the belly pans, side panels and hood.



The final step to track installation is tensioning the track and setting the track alignment.

The adjuster bolts will be used to set the tension and alignment.

Torque the axle cap screws to 34 ft/lbs. Then torque the adjusting bolts to 6 ft/lbs.



Disassembling Team Driven Pulley



You will need a clutch compressing tool. Tool (p/n 0644-444)



Mark the parts of the driven pulley to keep the balance correct for reassemble.



Compress the driven pulley and remove the 4 large machine screws.



Release the compressor and lift the movable sheave from the stationary post.



To remove the rollers use a chisel to unlock the locking tabs of the retainer.



Remove the cap screw that holds the rollers.



The rollers can be changed without disassembly of the driven pulley.



When installing the roller cap screw. Apply Loctite™ 262 RED



Bring the cap screw in tight to the tabbed locking washer, then turn the cap screw clockwise until the flats of the retaining washer and cap screw align.

Bend the locking tabs up on the retaining washer to secure the screw.



The back side cams are for dampening the reverse action of the pulley. If your belt tension is to much, they will not engage.



Ensure the back side cam engages the groove in the helix when installing.



Place the plastic washer into the helix. The washer is part of the calibration.



Place the spring in after the plastic washer.



Set the stationary sheave into place making sure to align the timing marks.



Compress the driven pulley sheaves together.



The rollers should come down into the ramp area and not bind.



When installing the large machine screws apply Loctite™ 262 RED



Torque the large machine screws to 20 ft/lbs. Remove the driven pulley from the compressor.



ProClimb Seat Removal





- Remove fastener
- Release locking tab
- Lift the rear of the seat and pull it back from the tank

ProClimb Seat Installation





- Align front tab with the bracket
- Make sure seat locks in place
- Reinstall fastener



ProCross Seat Removal





- Release Velcro strap
- Push forward to release the clip
- Pull back to remove the bag



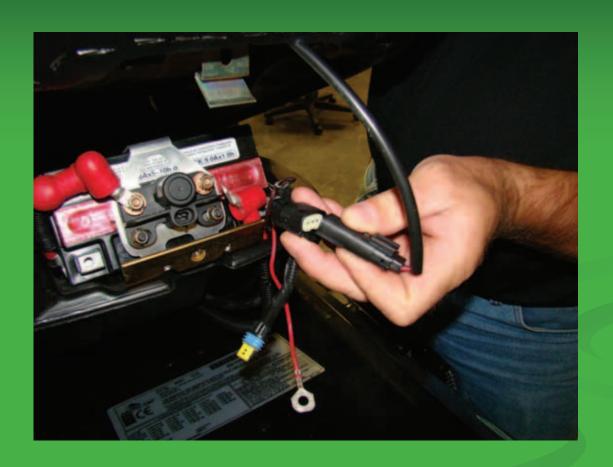
ProCross Seat Removal





- Remove fastener
- Release metal clip holding the seat in place

Important Info



■ For seat removal on LXR 1100 Models disconnect, heated seat harness.

ProCross Seat Installation



Align plastic tab at the front of the seat with bracket.

Important Info



On LXR 1100 Models re-connect, the heated seat harness.

Procross Seat Installation





- Make sure the metal clip seats into place
- Install and tighten fastener to secure the seat

Procross Seat Installation





- Push rear bag into place
- Snap clip over the hub on the tunnel
- Tighten Velcro strap



Hood / Side Panel Removal and Installation



Side Panel Removal





- Remove cotter key from left and right side panels
- Lift up and pull out on the front side of the side panels to release them
- Swing the side panels out to remove from sled

Side Panel Installation





- Align top and bottom tabs at the rear of the side panel into the fuel tank cover.
- Swing side panel forward, and twist to insert bottom tab into the belly pan

Side Panel Installation





- Push top of the side panel in allowing for the pin to come through the hole
- Secure with the cotter key

Hood Removal





- With the side panels removed.
- On the left and right side remove the front and rear fasteners
- On Turbo models there are 2 more fasteners located under the front nose of the hood.

Hood Removal



Separate hood harness from main harness.

Hood Removal

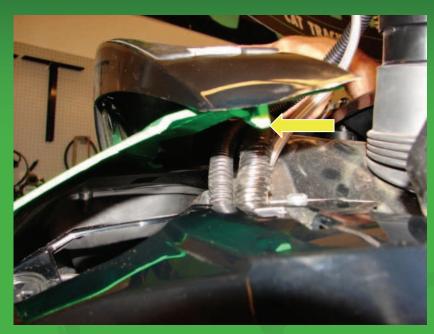




- Grab hood accordingly and pull forward on the hood, this releasing it from the air intake boot and two rear mounting tabs.
- Lift entire hood straight up to avoid contact with the bumper

Hood Installation

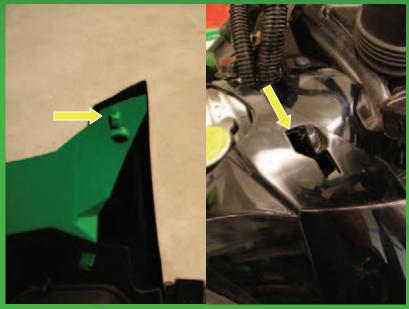




- Making sure console harness is routed up
- Carefully place hood into position
- Take note of the tabs at the rear of the hood that will need to slide into place

Hood Installation





- Check to make sure air intake boot is seated on the throttle body
- Align air box with air intake boot and push rearward making sure the rear tabs slide into their receptacles

Hood Installation





- Install the front and rear fasteners on both sides
- On Turbo models reinstall the 2 fasteners located under the front nose of the hood
- Connect the console harness to the main harness



Belt guard removal



- After removing the side panel, disengage the fastener.
- Hold open the fuel tank cover.



Remove the rear locking tab



Rotate the belt guard toward you so the inside comes out of its receiving hole prior to the outside.

1100 N/A Engine Removal and Installation Tips



Remove the hood and side panels.



Remove the seat.



Lift the back of the seat on LXR 1100s and disconnect the heated seat



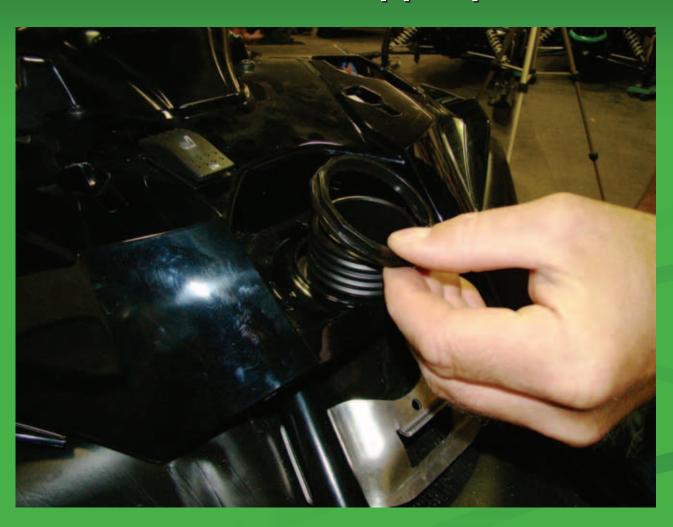
Remove 2 shoulder torx on the counsel panel.



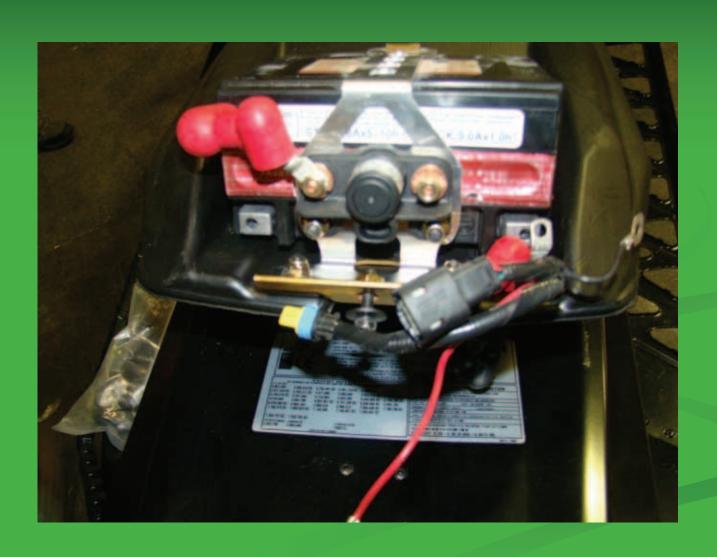
Disconnect the reverse beeper.



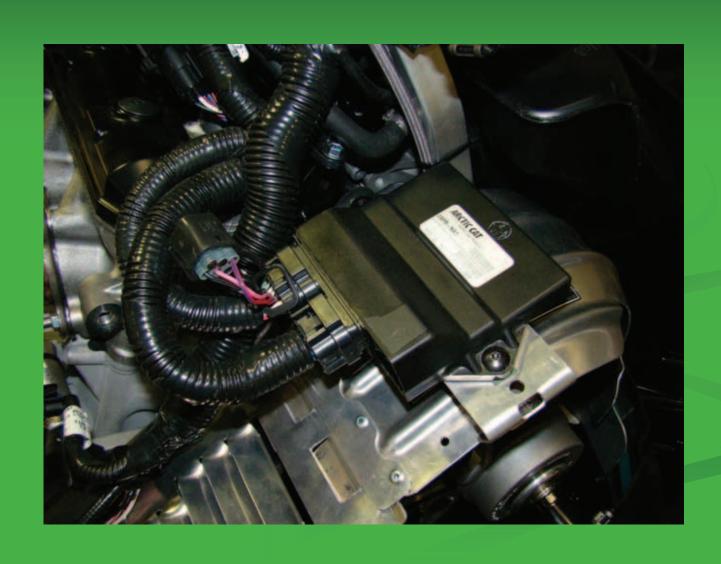
Remove panel retainer nut from fuel tank. Lift up on the panel and disconnect the seat heater switch. Then remove the upper panel.



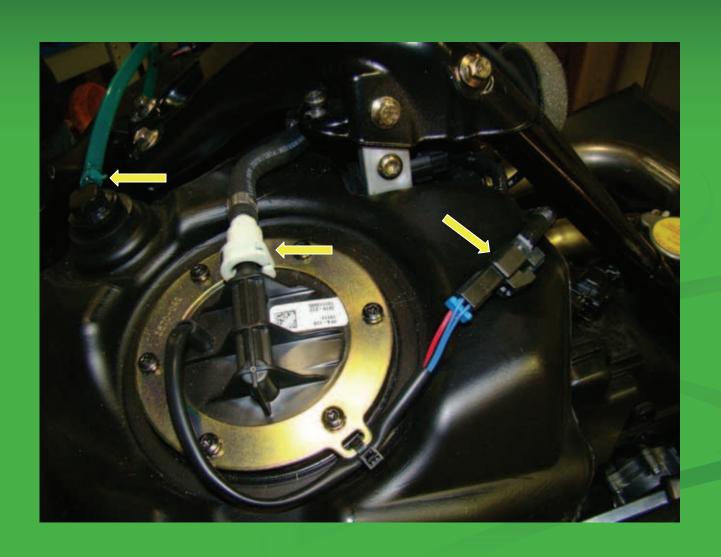
Disconnect main harness from the battery.



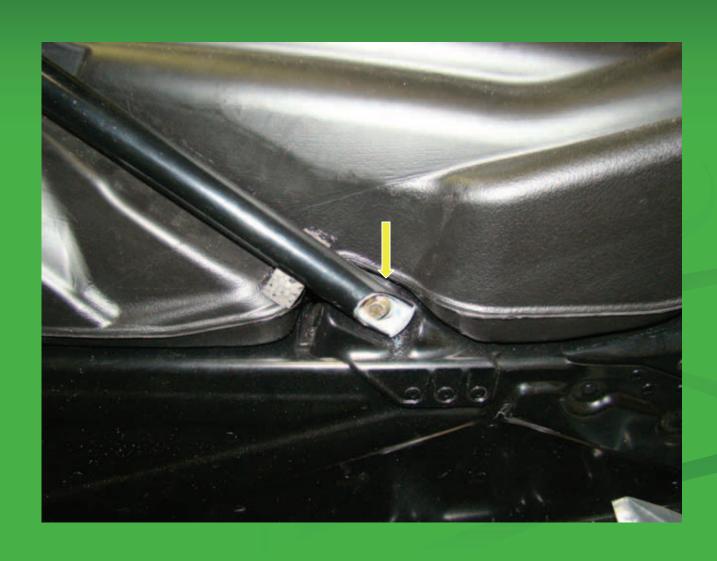
Unplug the ECU and remove from the belt guard.



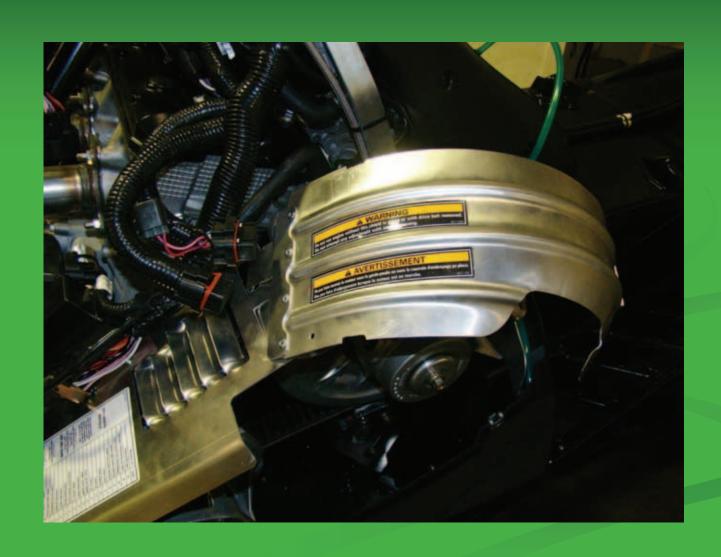
Disconnect: Fuel pump hose, fuel pump electrical connector and vent line.



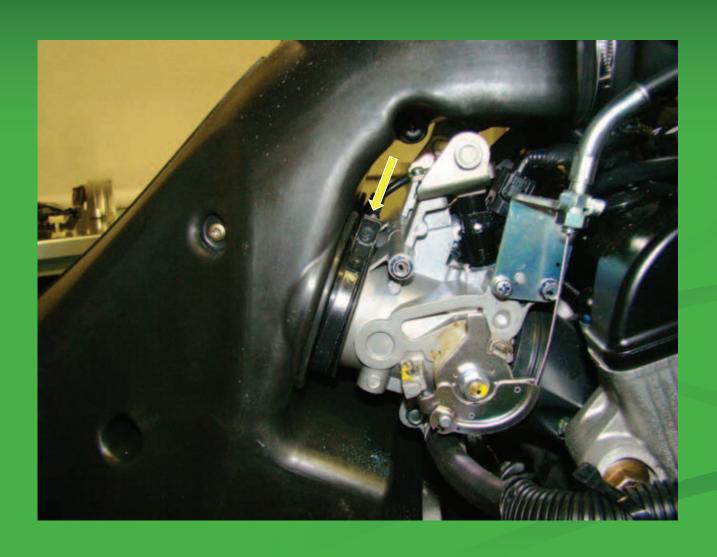
Remove the lower rear spar bolt on both sides fuel tank.



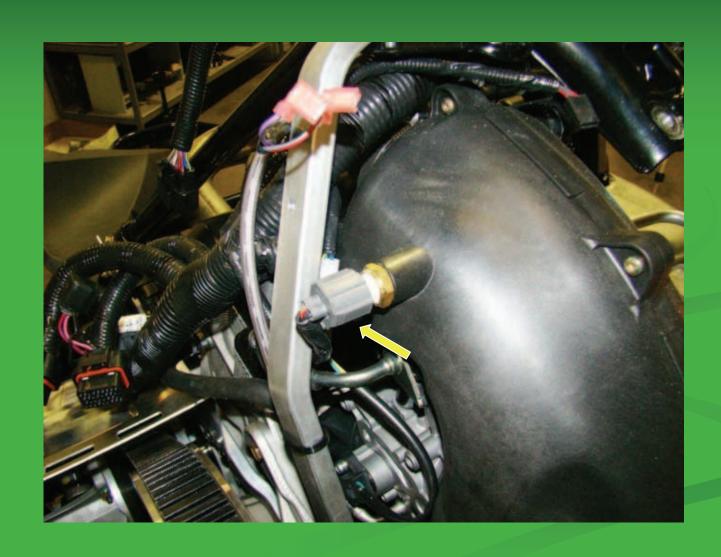
Remove the rear portion of the belt guard.



Loosen air box clamps from throttle body



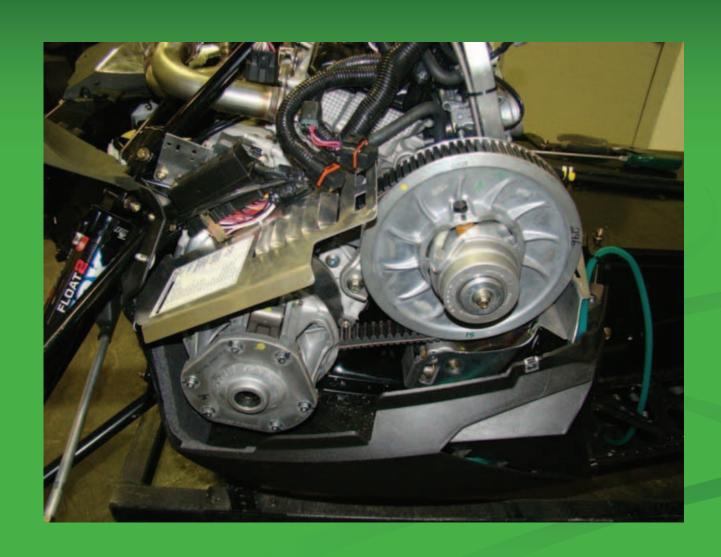
Disconnect the air temp sensor.



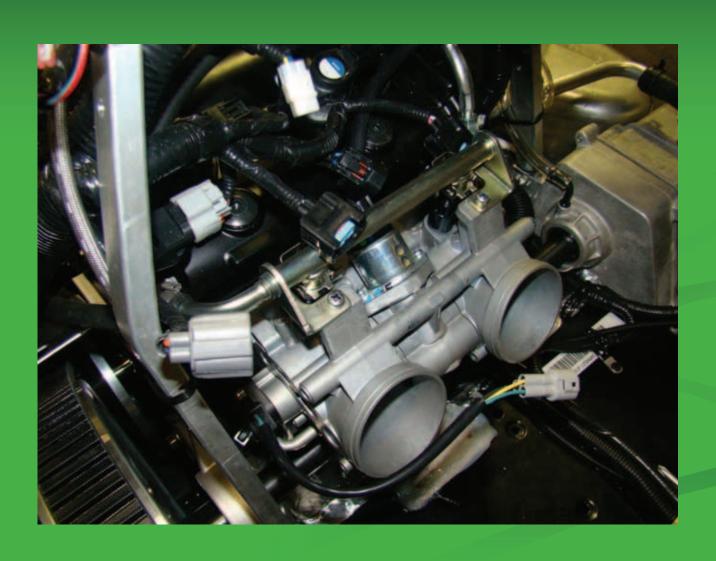
Disconnect the breather line from the separator tank and then remove the air box.



Remove the drive clutch and driven pulley.



Disconnect all of the connectors from throttle body and engine.



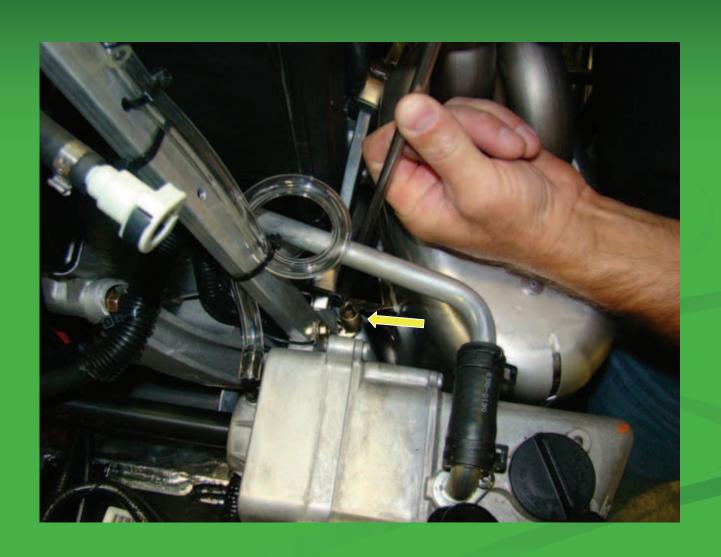
Remove the 6 header pipe nuts from the cylinder assembly.



Disconnect the oxygen sensor.



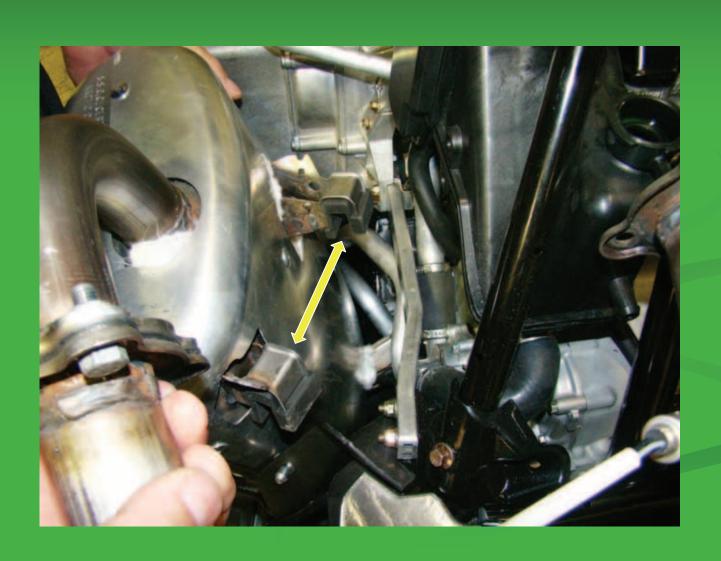
Remove the rear resonator spring.



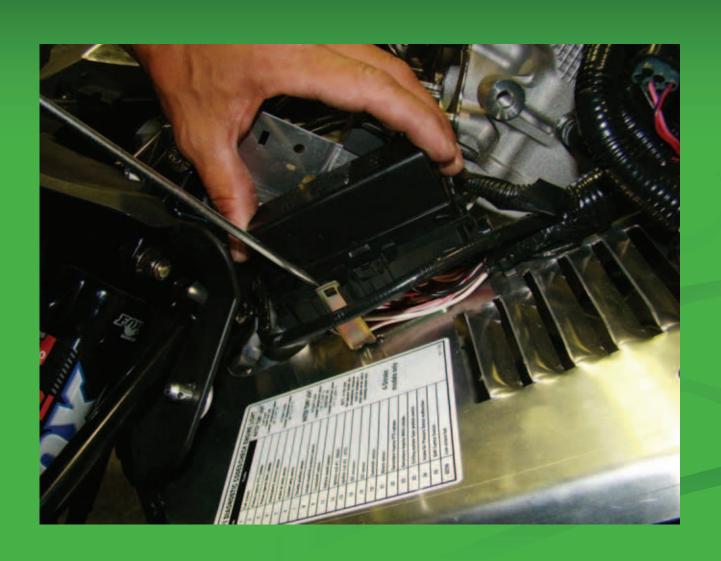
Remove the front resonator spring.



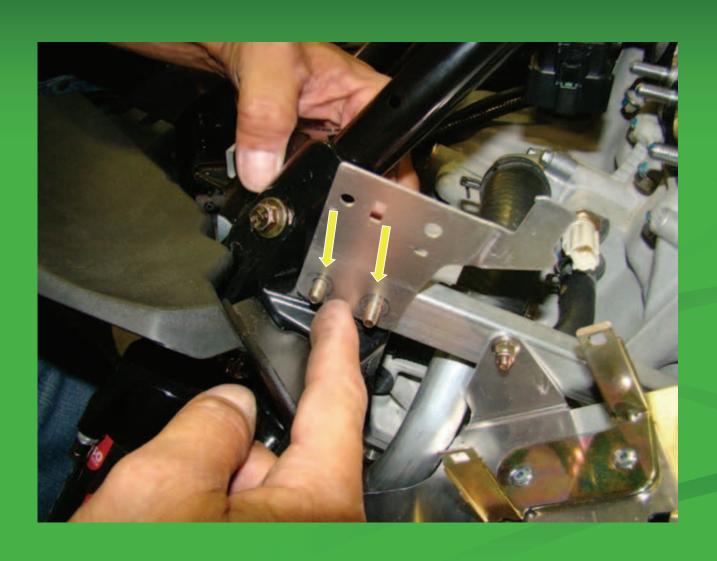
Remove the Resonator/Header Pipe Assembly and account for 2 rubber bumpers on resonator.



Remove PDM from and the front belt cover.

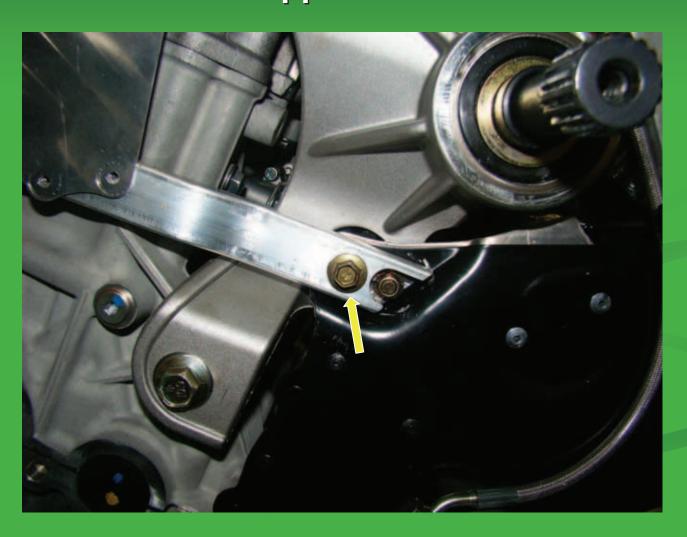


Remove the fasteners from front of LH support brace.

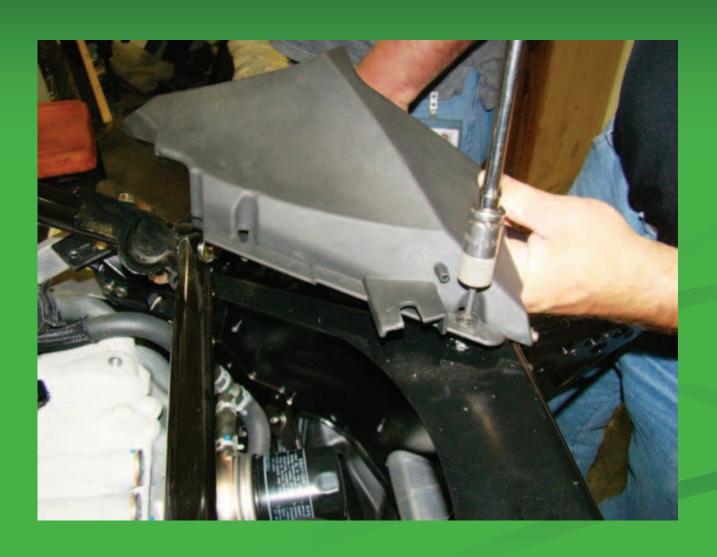


Remove the two fasteners from the rear of LH support bar and then remove the support bar.

Reinstall the center engine mount bolt after removal of support bar.



Remove the fastener from LH/RH nose panels.



Take note of the oil and coolant line orientation on RH side of engine



Remove both fasteners from horizontal front frame tube.



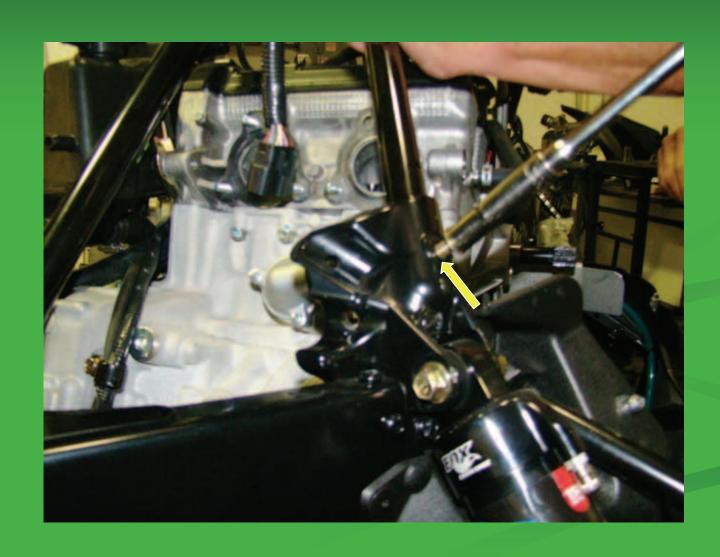
Remove the coolant line from cylinder.



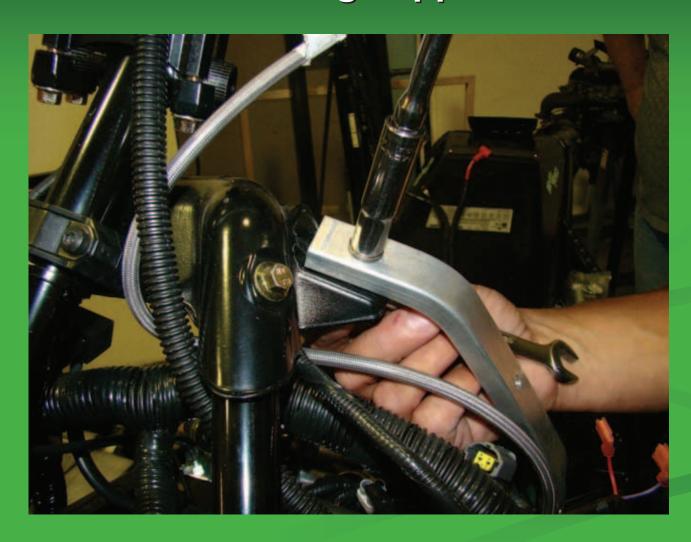
Keep LH/RH vertical spar tube retainer nut in position by placing a piece of tape over the end of it.



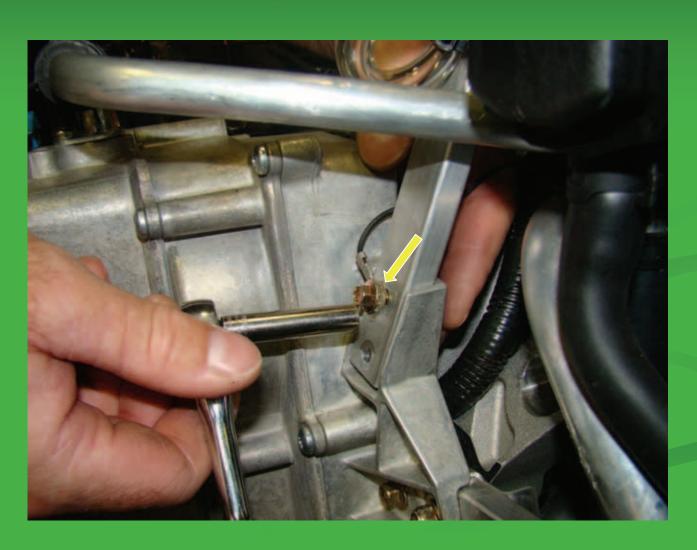
Remove lower fasteners from LH/RH front vertical spar tubes.



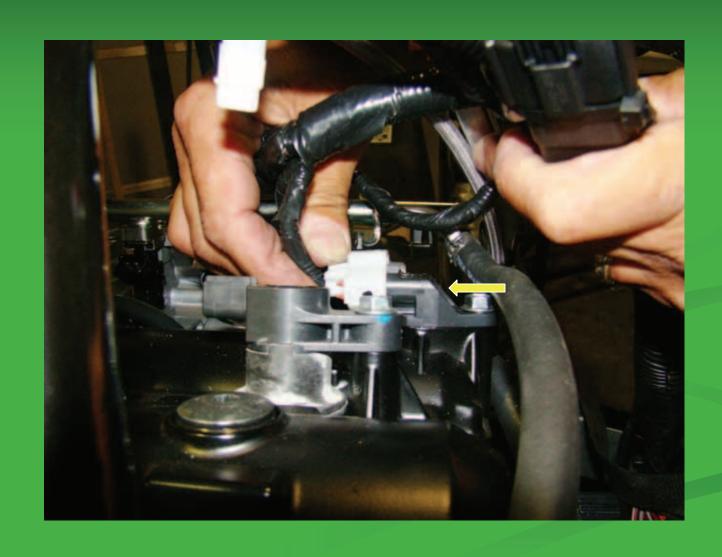
Remove the fastener and nut from upper end of LH rear steering support.



Remove fasteners from RH rear lower end of steering support. Take note of the ground strap on top bolt.



Disconnect the ignition coil connectors.



Remove the handle bar assembly from steering post and lay on the LH side of tunnel.

Loosen upper steering post clamp and remove the throttle cable.



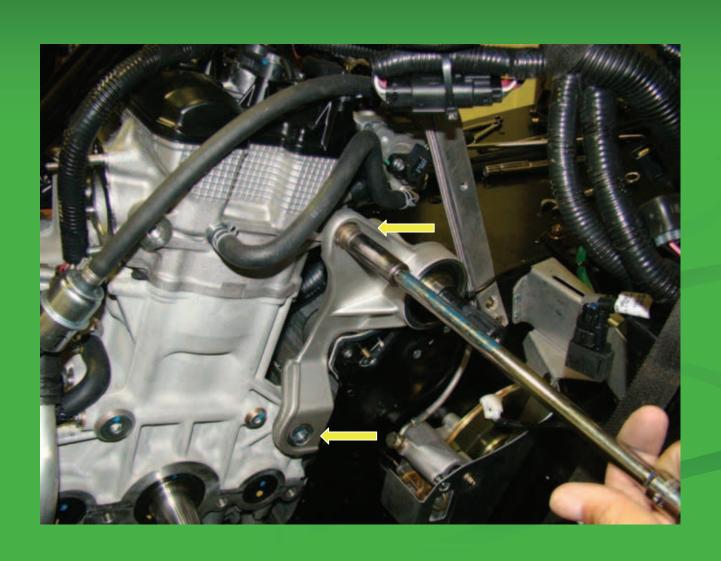
Secure the steering post to the RH front portion of chassis.



Remove zip ties from gear case vent tube.



Remove both upper and lower engine mount bolts from the LH rear engine mount.



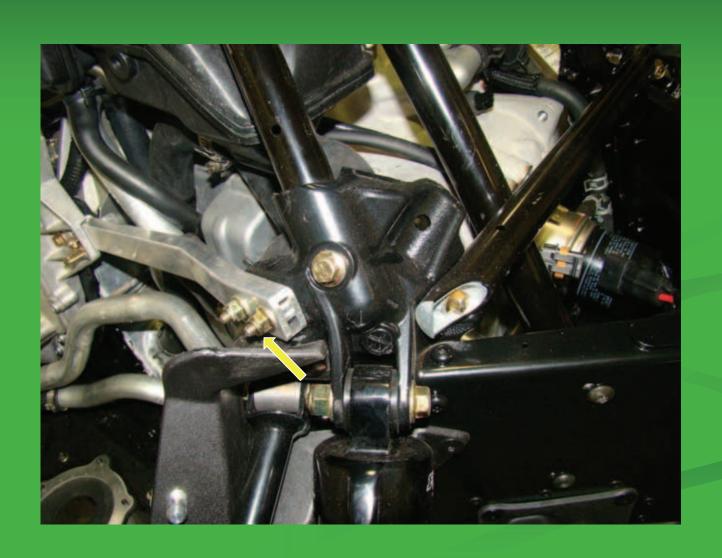
There is an alignment grove to keep the spar nut and retainer aligned.



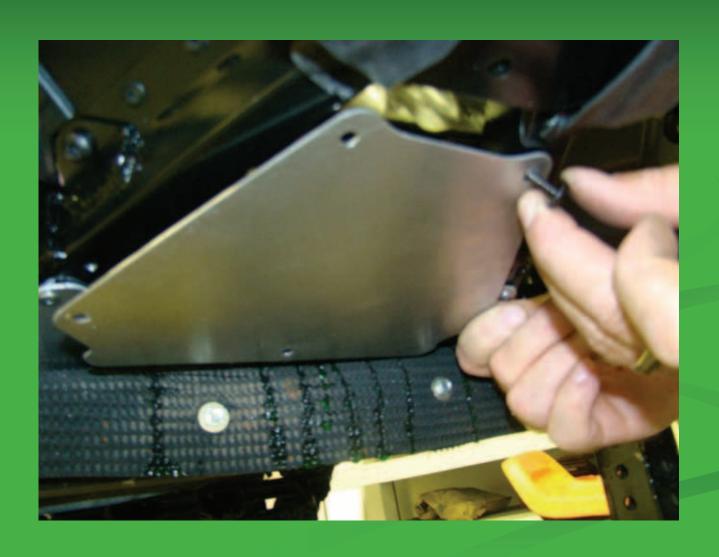
Remove fasteners from the RH rear engine mount attaching the support bar. Take note that the spring tab is on the forward bolt at the 6 O'clock position.



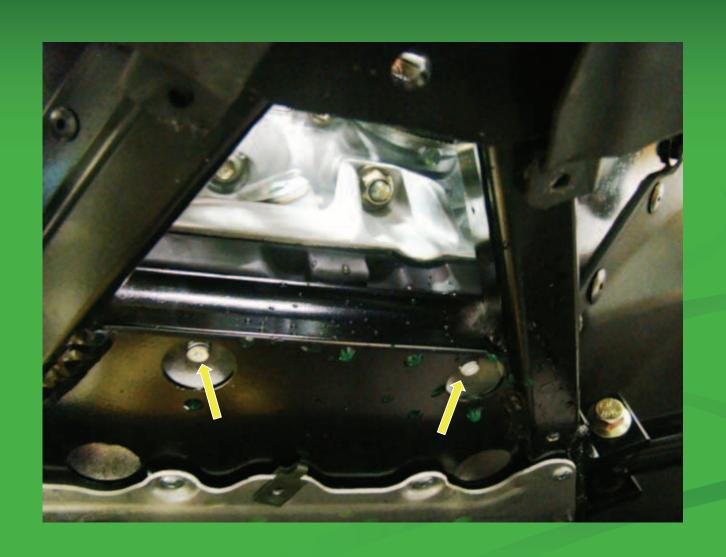
Remove the front fasteners from RH support bar and then remove support bar.



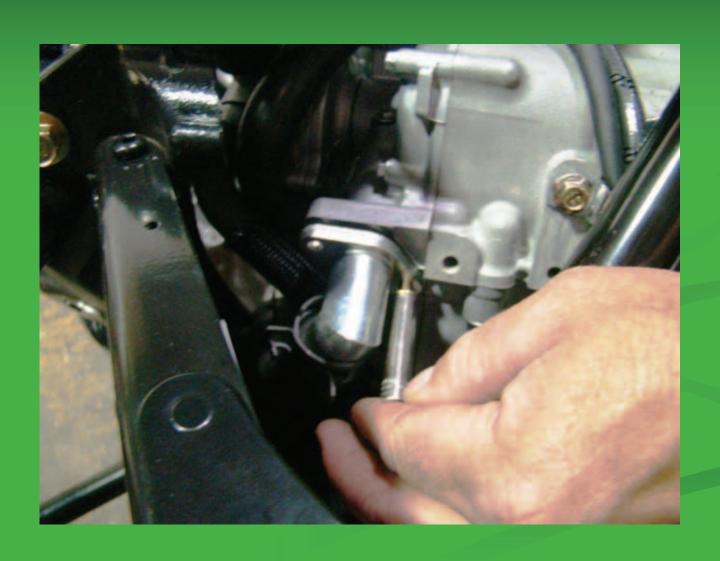
Remove the belly panel to access engine mount nuts.



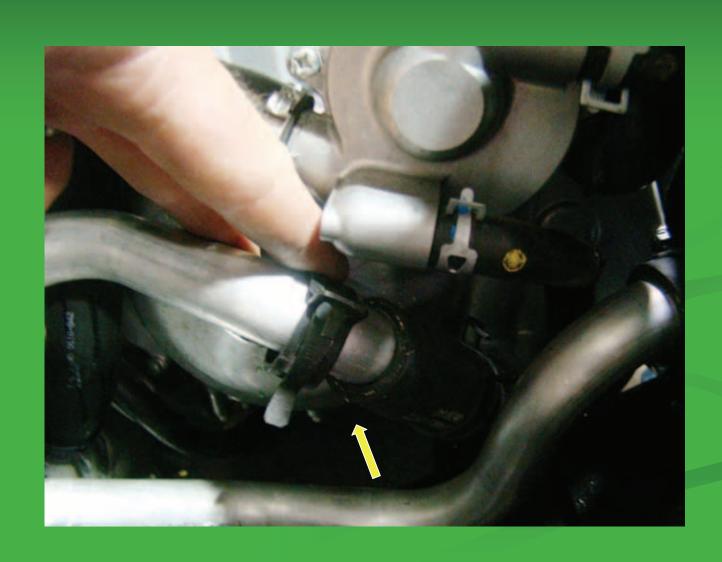
Remove front two engine mount nuts.



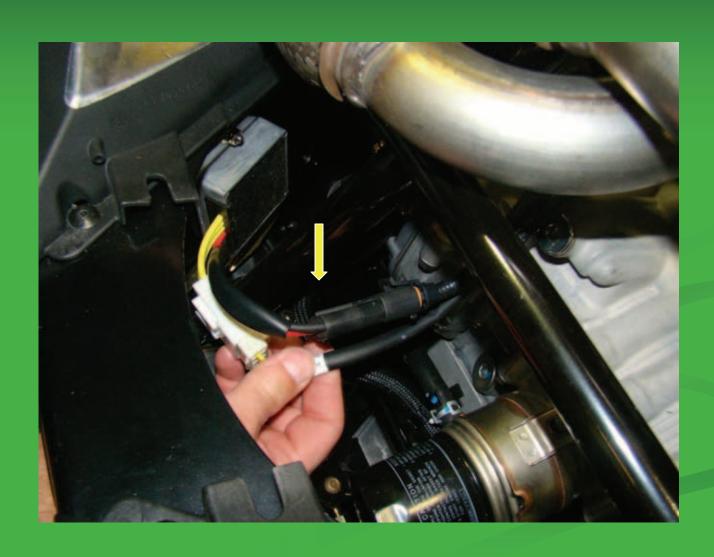
Remove fasteners for oil line elbow from the RH front of engine.



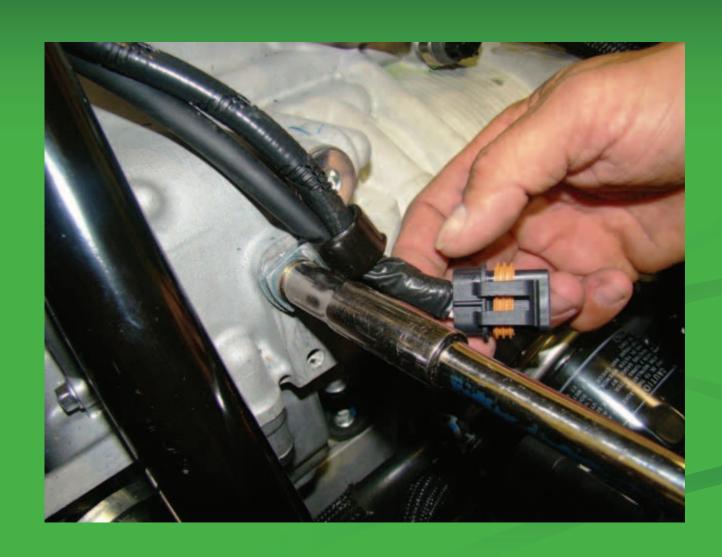
Remove clamp on oil return line, then pull the return oil line out of rubber hose.



Disconnect the voltage regulator connectors in front of the engine.



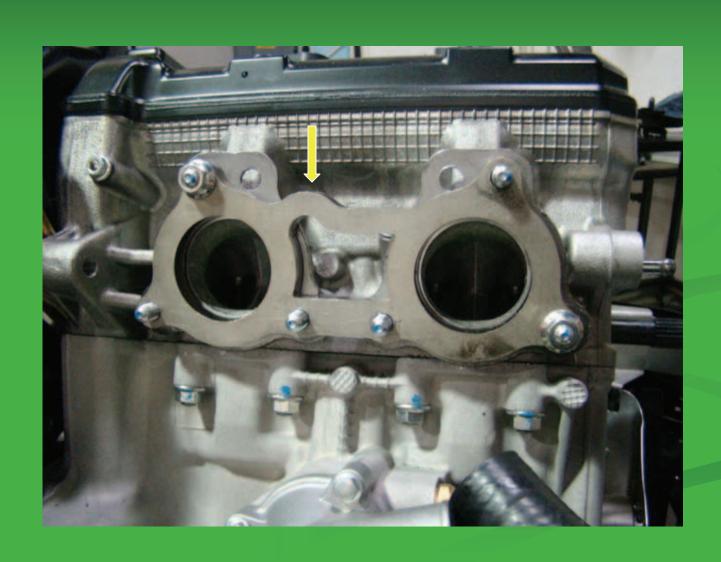
Remove the harness clamp from engine block.



Remove the fasteners from RH rear engine mount and then remove the mount.



1100 N/A engine removal lift plate. (p/n 0744-073)



Lift slowly up on engine enough to get front engine mount studs out of chassis to gain access to the starter.



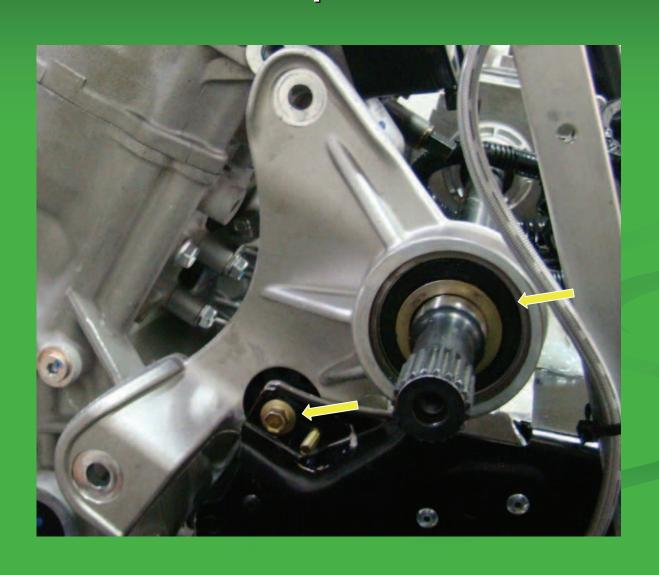
Remove the ground cable and positive cable from starter.



Remove the coolant hose from heat exchanger.



If LH rear mount is pried against, you risk having the bearing seals come out. Carefully press them back into place.



Turn the entire engine clockwise, enough to disengage from LH rear engine mount.



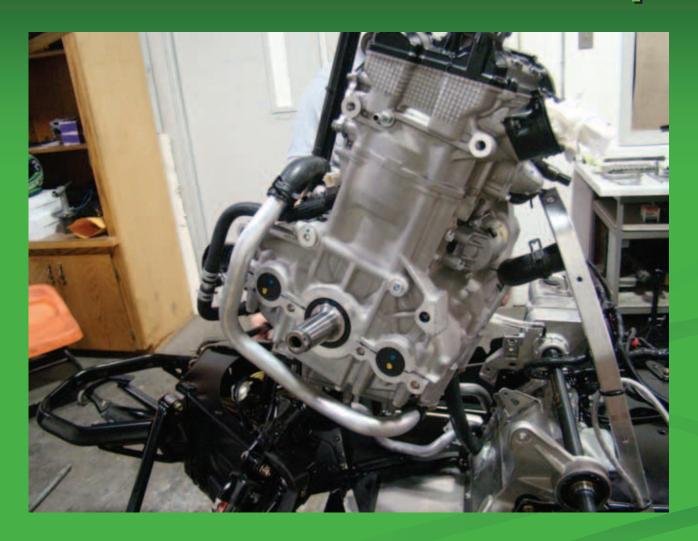
Carefully maneuver engine up and out of the chassis.



Check the inner side of the bearing to be sure the seal is still in place.



1100 N/A Installation Tips

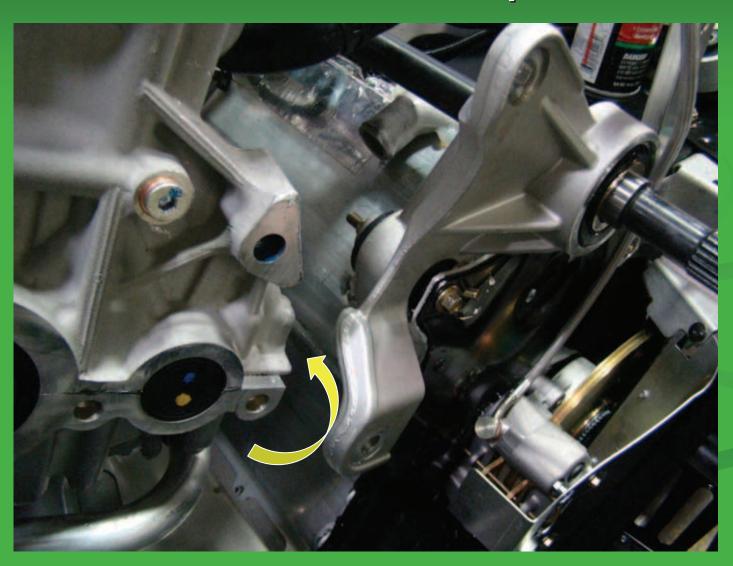


Follow removal slides backwards for installation.

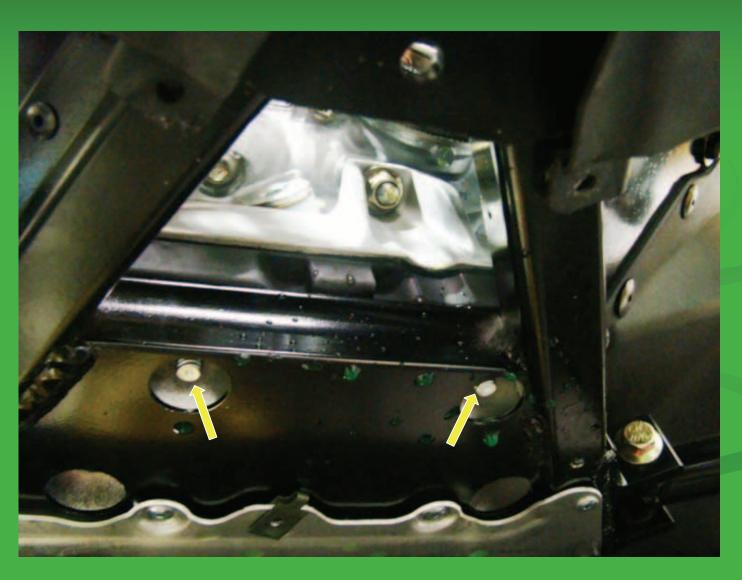
The rear coolant line needs to be on the LH side of the tab for the RH rear engine mount when reinstalling engine.



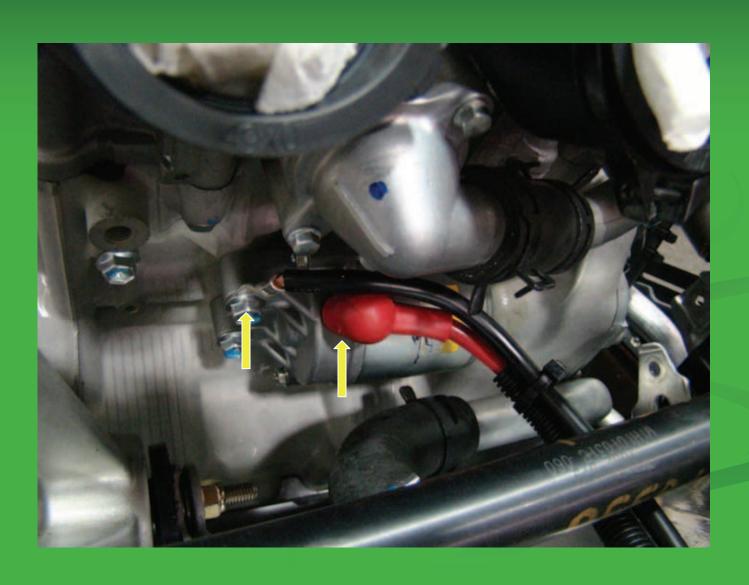
Slide the LH Rear engine mount out enough to gain clearance for the engine to be swung counterclockwise into place.



When the engine is low enough, align front engine mount studs into chassis and hand tighten nuts on them.



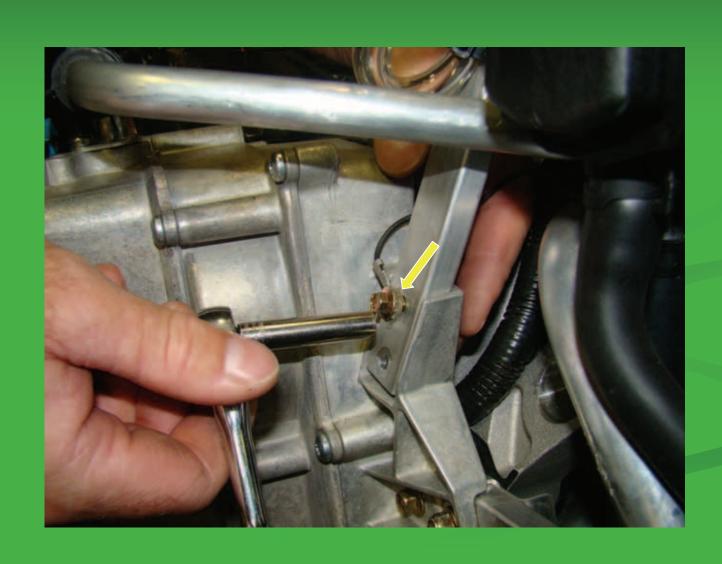
Lift the engine enough to gain access to connect the ground and positive wire to starter.



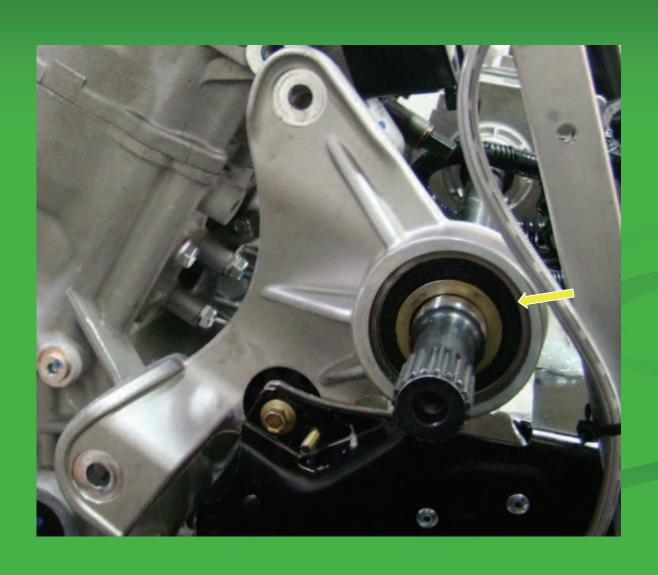
Install the coolant hose on the heat exchanger and secure the hose clamp, while the engine is still lifted.



Make sure the chassis ground gets grounded to the chassis.



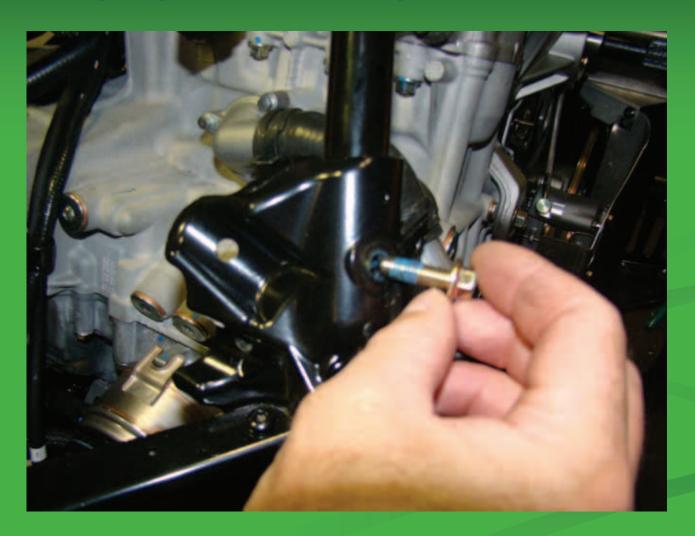
Check to see if either bearing seals where disturbed during engine installation.



Reconnect all of the connectors to the throttle body and engine.



Make sure all fasteners are properly torqued and that the proper Loctite™ products are used.

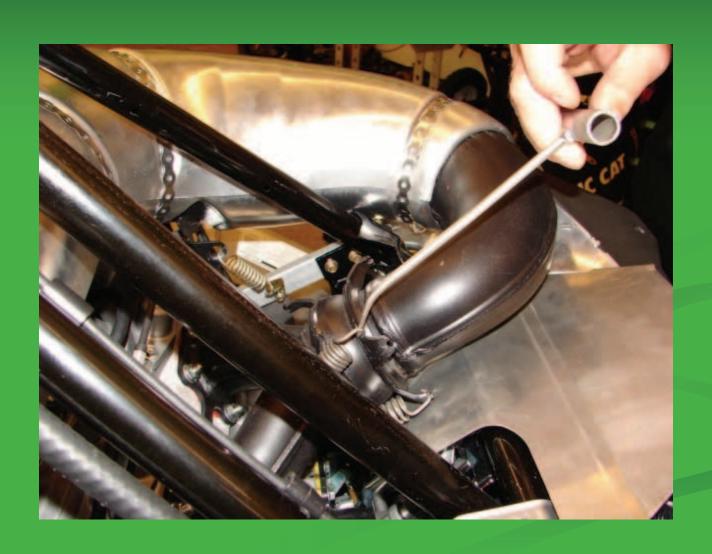


Tight hardware is key to chassis strength and rigidity.

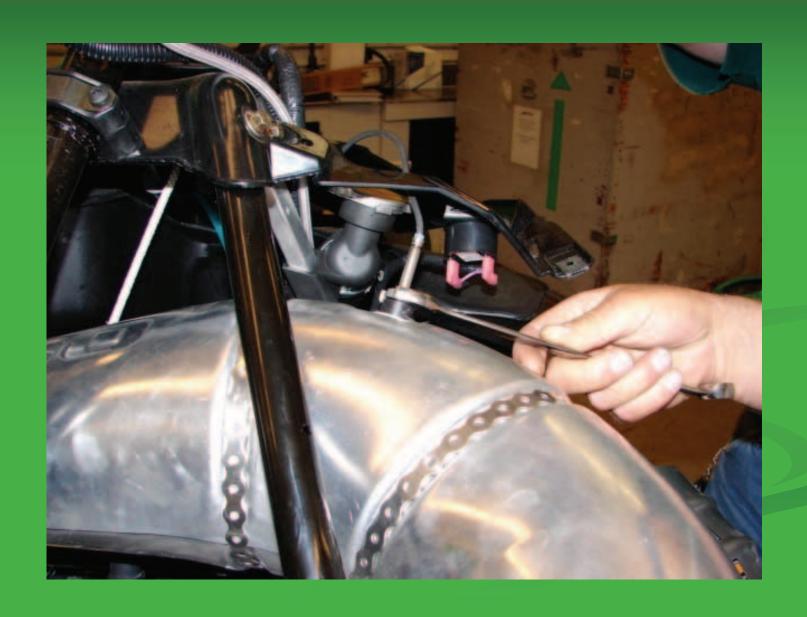
800 Engine Removal and Installation Tips



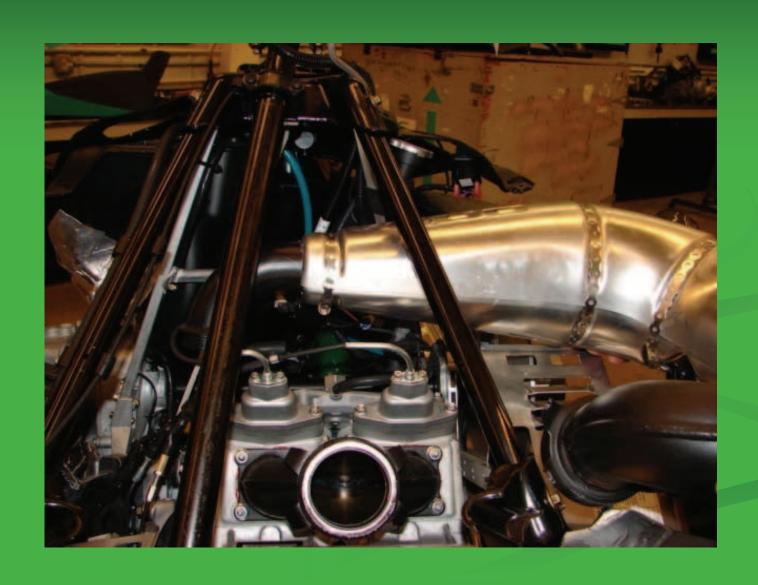
Remove exhaust springs



Remove the exhaust temperature sensor.



Remove the exhaust pipe from the left side of the chassis



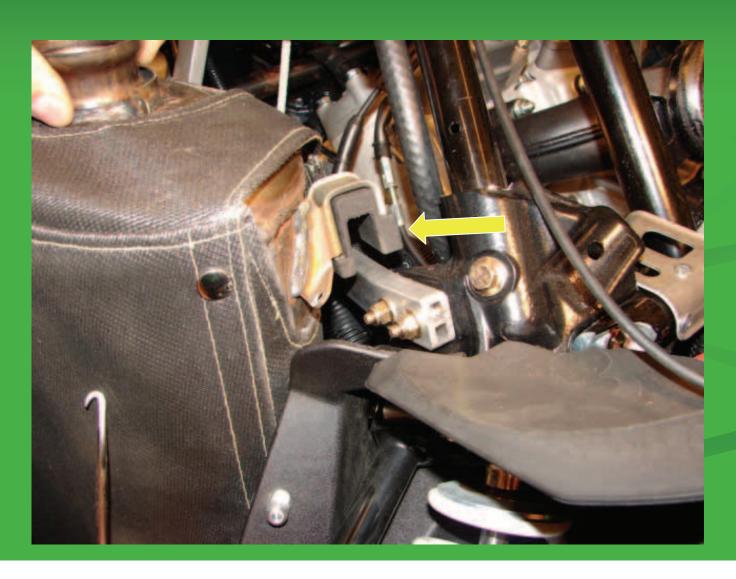
Remove the springs holding the resonator to the chassis with a spring tool.



Take note to the orientation of the spring tabs.



Remove the resonator, note how it hangs on the RH support bar. Account for two rubber mounts.



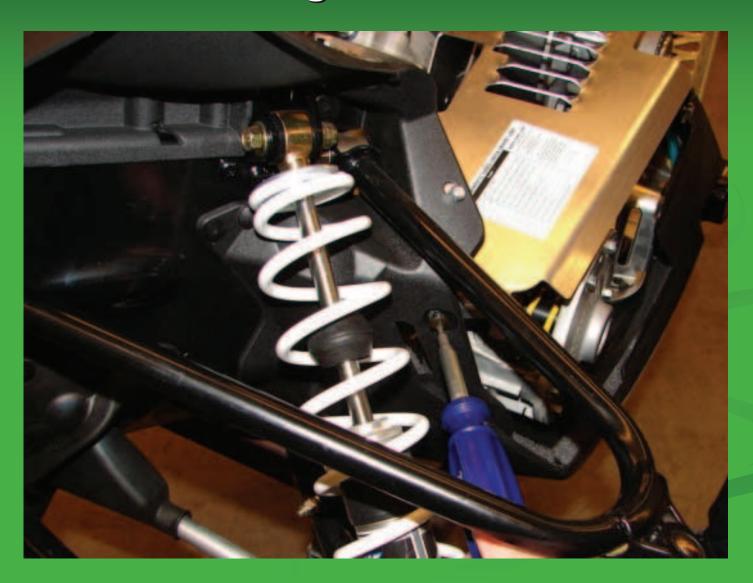
Remove the ECU and heat shield.



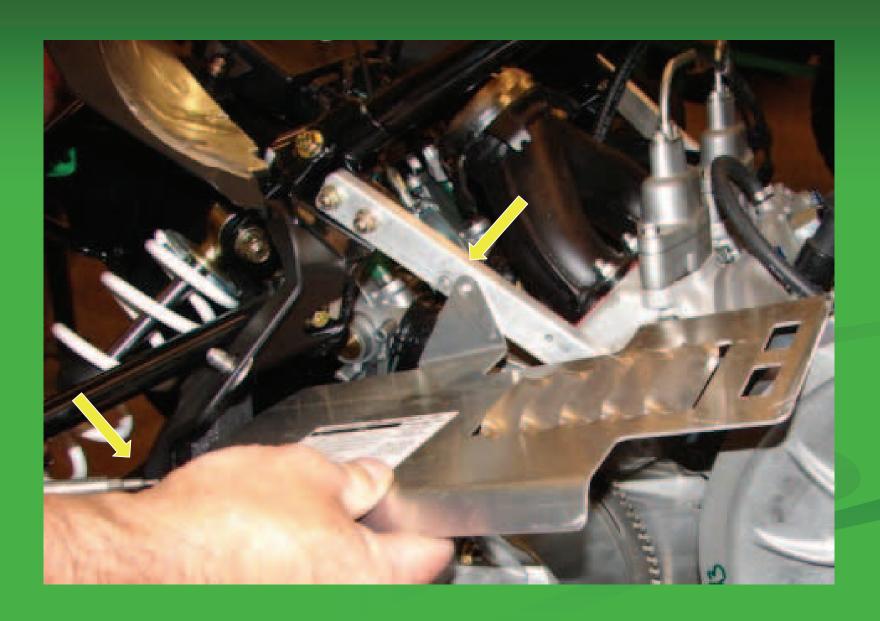
Remove the ECU heat shield by pushing in, releasing it from the pin.



Remove the fasteners for the stationary clutch guard.



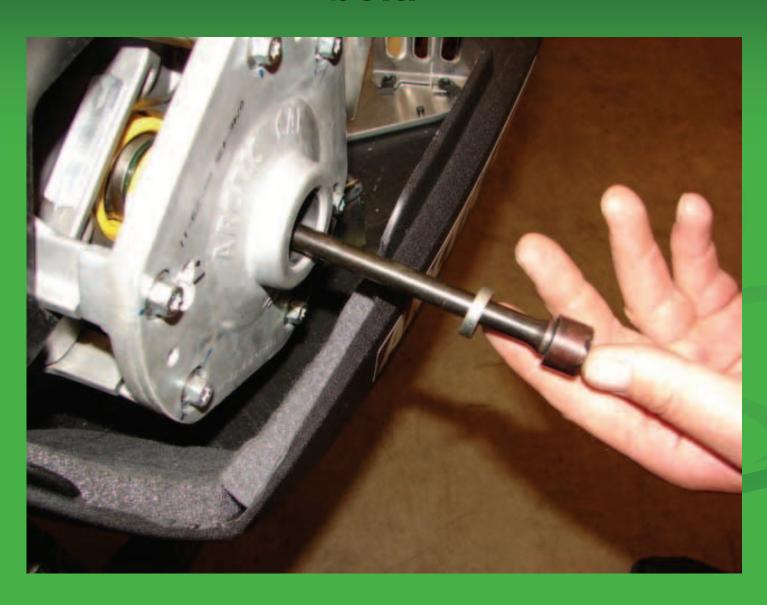
Note the location of all the fasteners.



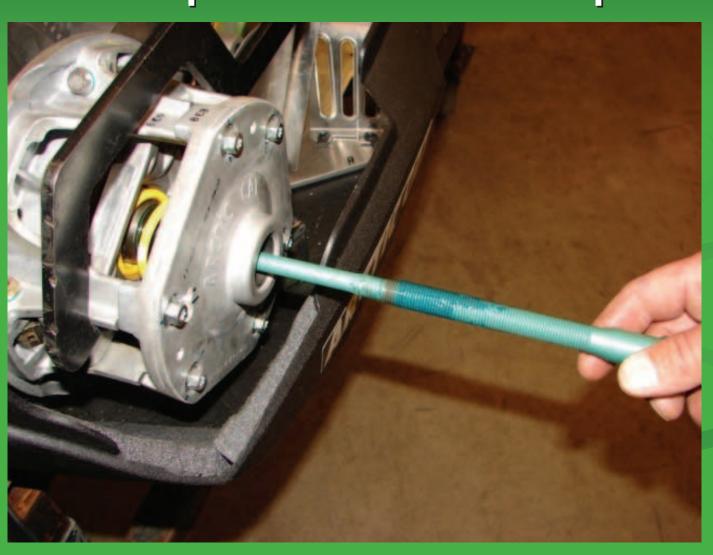
Use clutch holder and breaker bar to loosen the #60 Torx.



Take note to the washer on the drive clutch bolt.



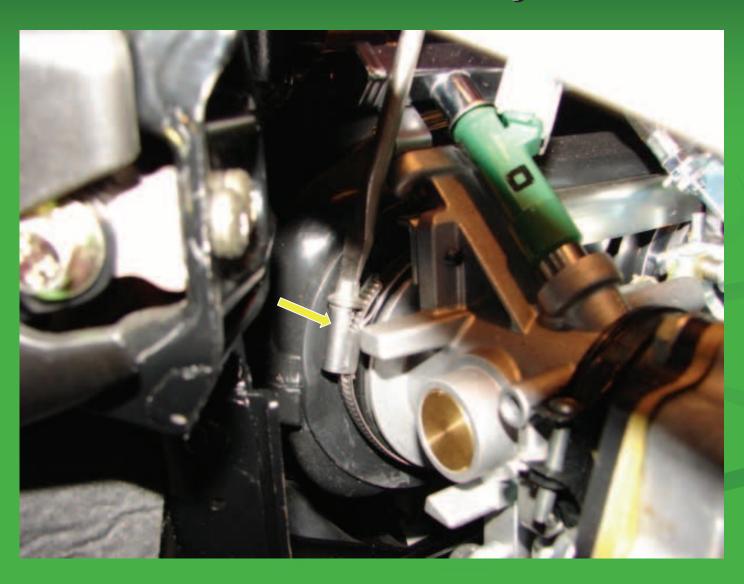
Use the GREEN clutch puller (p/n 0744-062). Apply grease to aid in removal to the puller threads and tip.



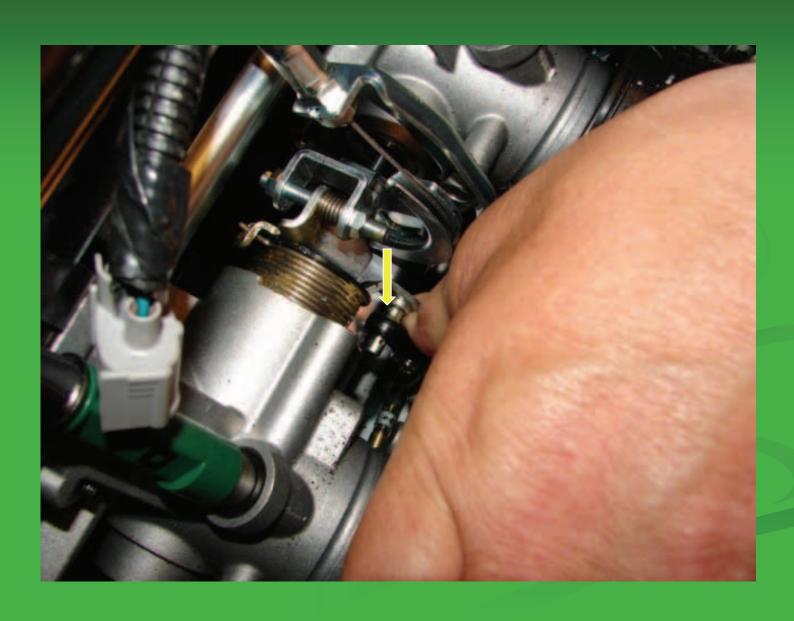
Remove the driven pulley bolt and the driven pulley.



Loosen the clamps holding the air intake to the throttle body.



Disconnect the oil pump rod.



Remove the throttle body from the intake flanges.



Remove exhaust manifold



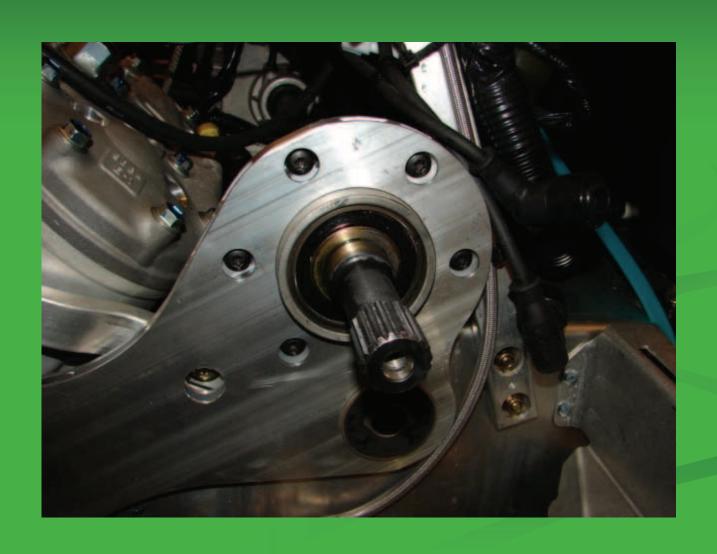
Drain coolant or Use a vacuum style pump to syphon it out.



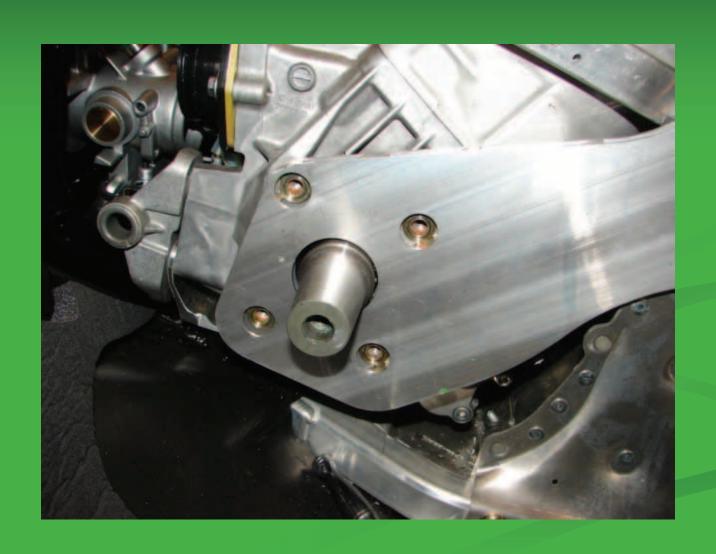
Remove oil line. Plug oil line and oil tank outlet.



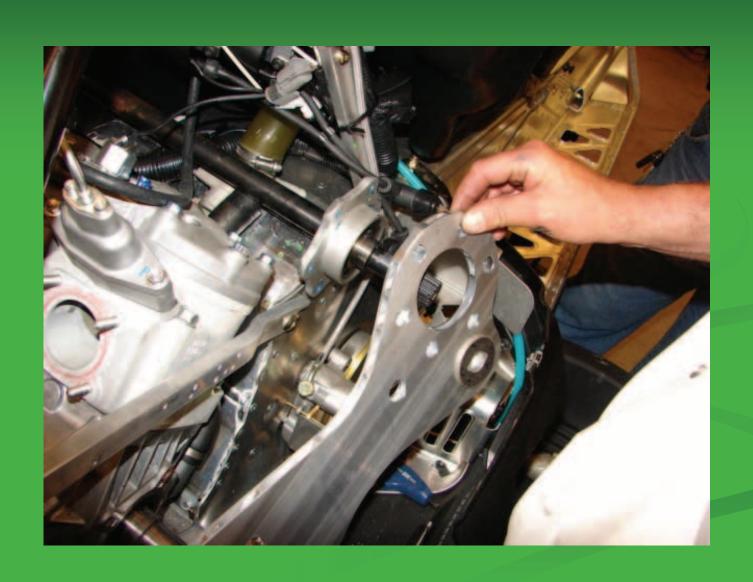
Remove Torque Control Link (TCL) plate screws.



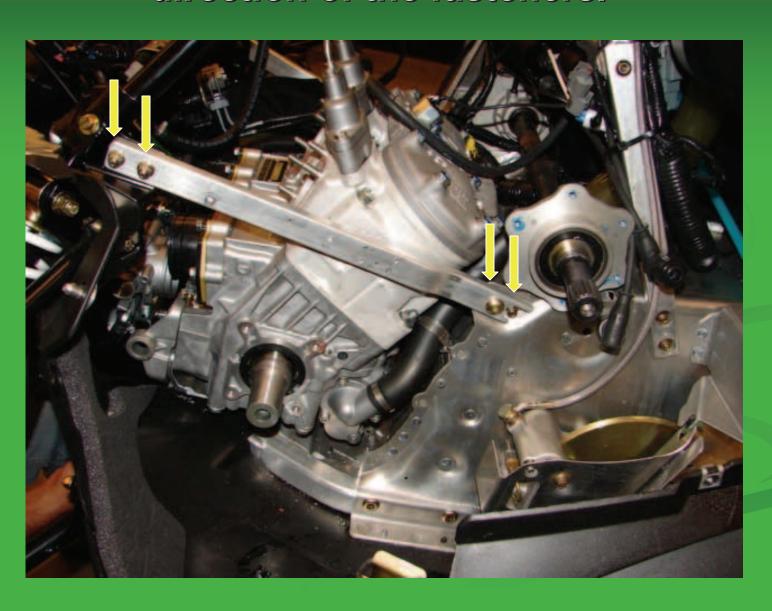
Remove 4 screws securing the TCL to the engine.



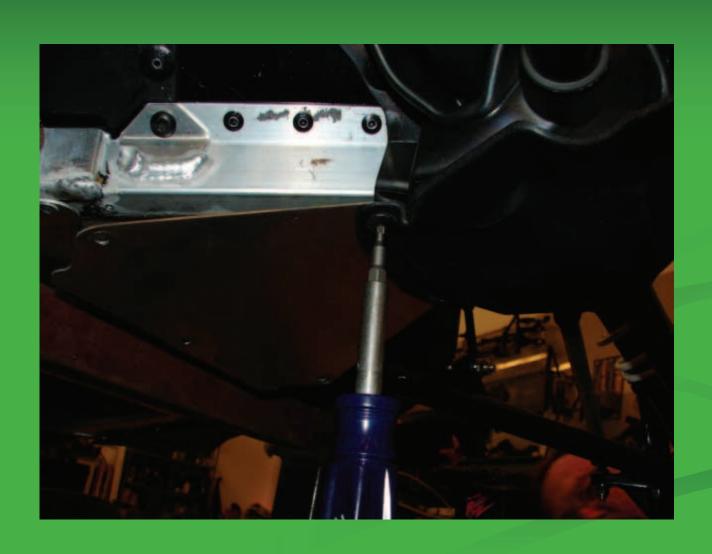
Remove the TCL plate / Engine mount.



Remove the LH support bar taking note of the direction of the fasteners.



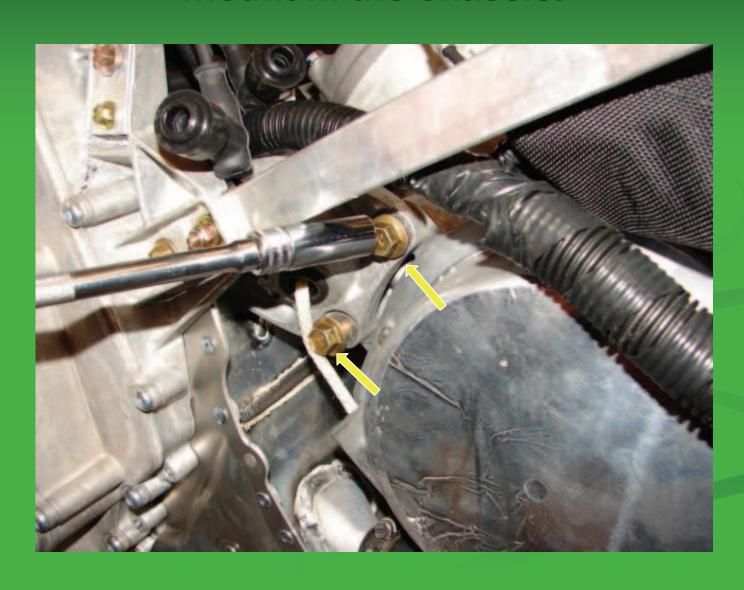
Remove the lower access plate.



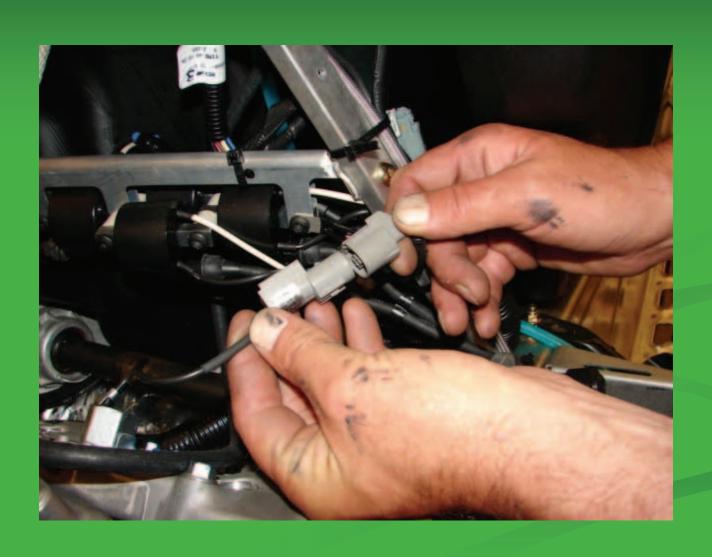
Remove the two nuts and one bolt from the lower engine mounts.



Remove the right side mounting bolts, leaving the mount in the chassis.



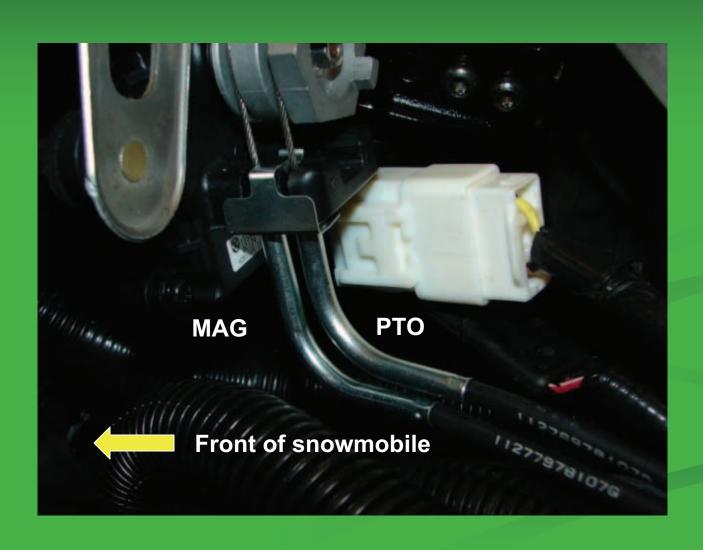
Unplug the knock sensor.



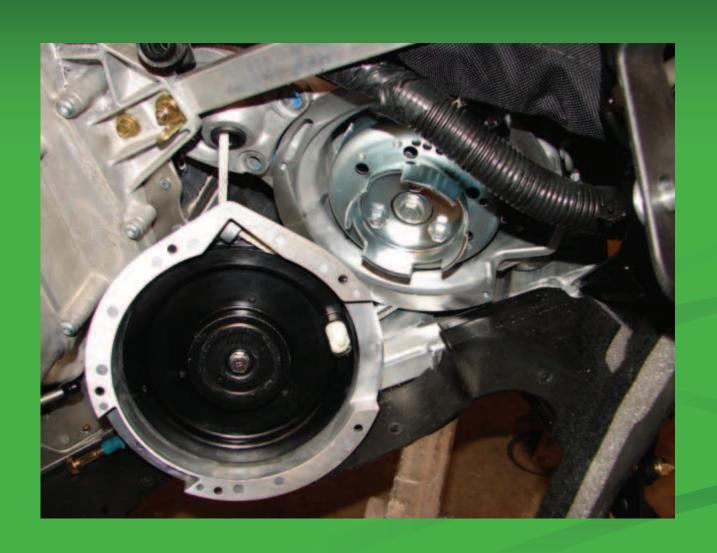
Remove the servo motor cable retainer.



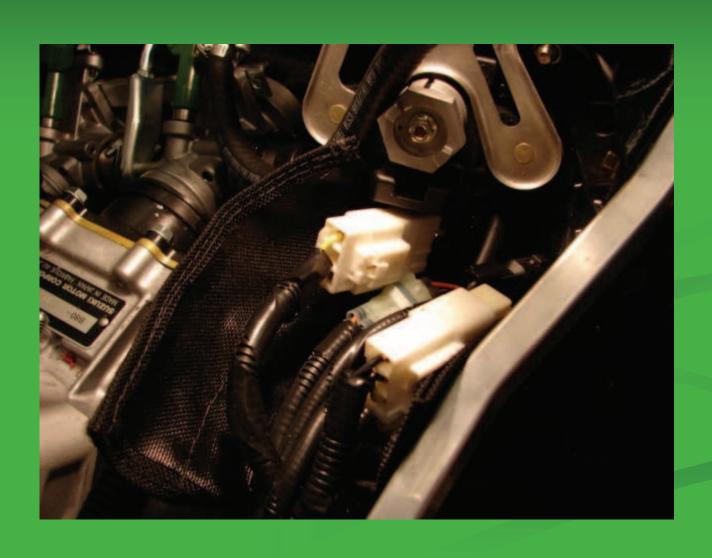
Remove the APV cables. The rear cable is the PTO side and front cable is the MAG side.



Remove the recoil from the engine.



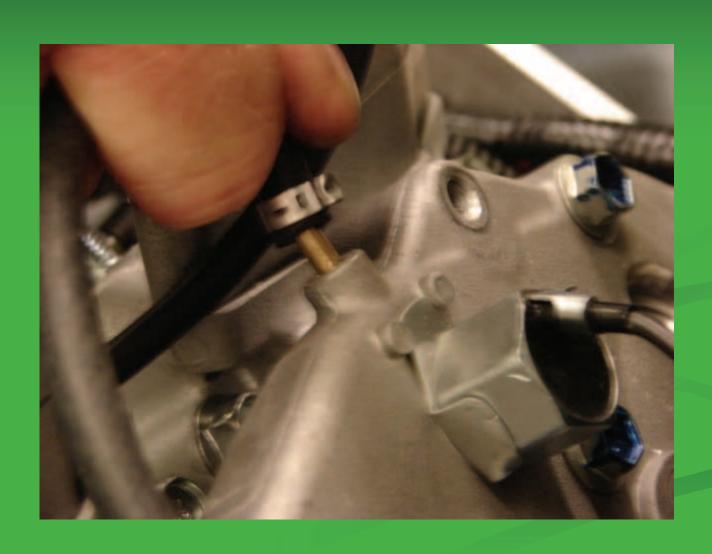
Unplug the engine electrical connectors under the protective cover, near the APV motor.



Remove the lower coolant hose.



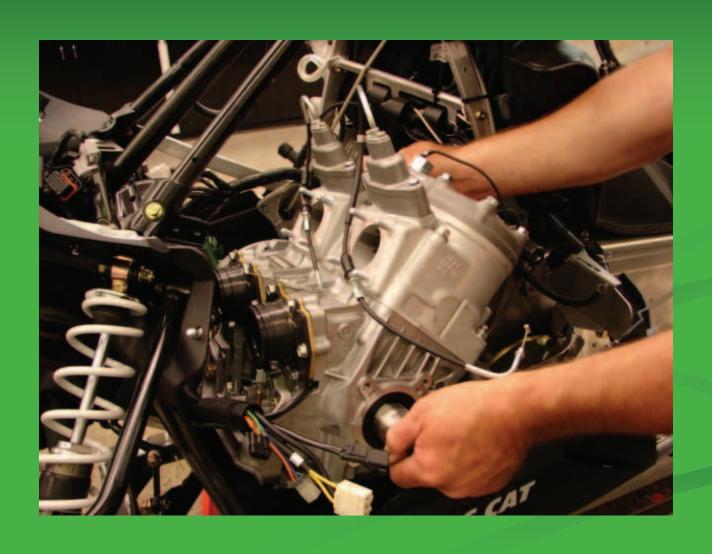
Remove the coolant line from head taking note of the non-reusable clamp.



Unplug the coolant temp sensor.



Remove the engine from the left side of the chassis.



Note the routing of the oil and coolant lines.



800 Installation Tech Tips

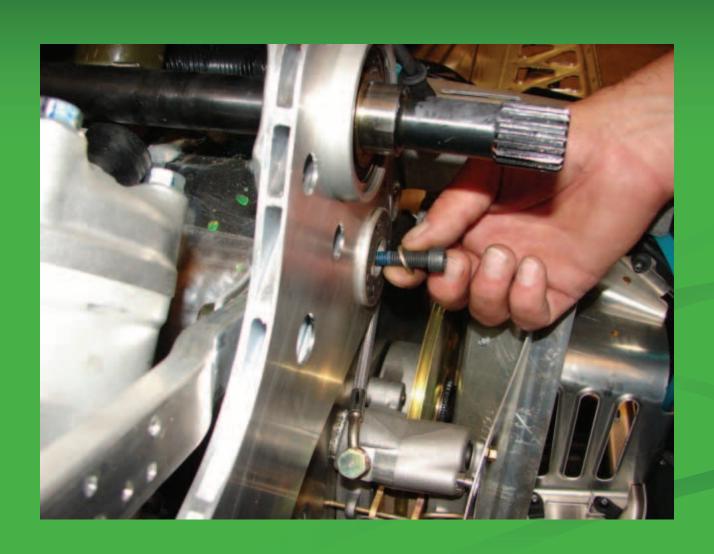


Follow the removal steps backwards for installation.

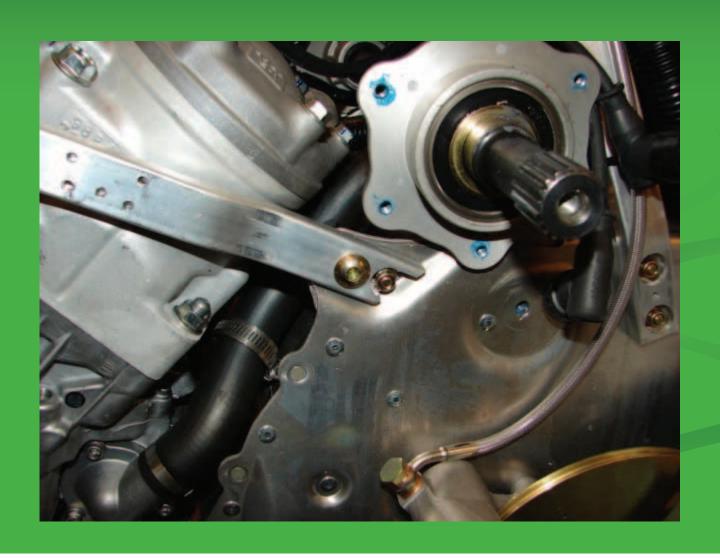
ALL fasteners need to have proper thread locking products applied, including those with the blue nylon patch lock.



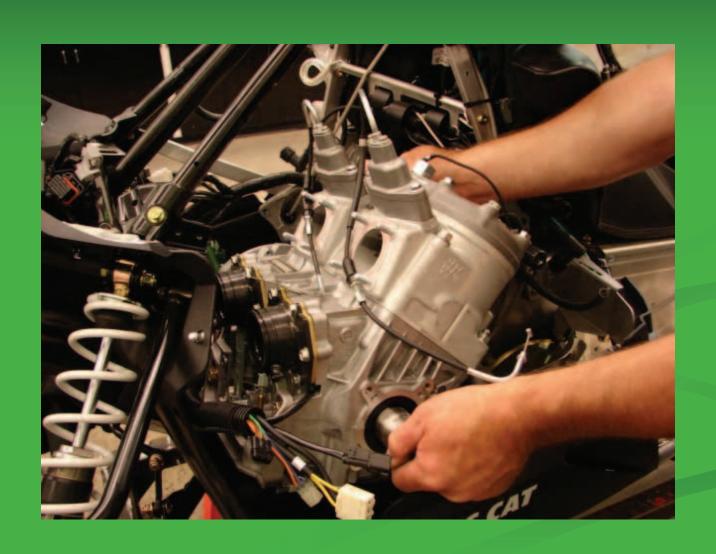
Loctite[™] 242 Blue was applied to all fasteners and torqued to specification.



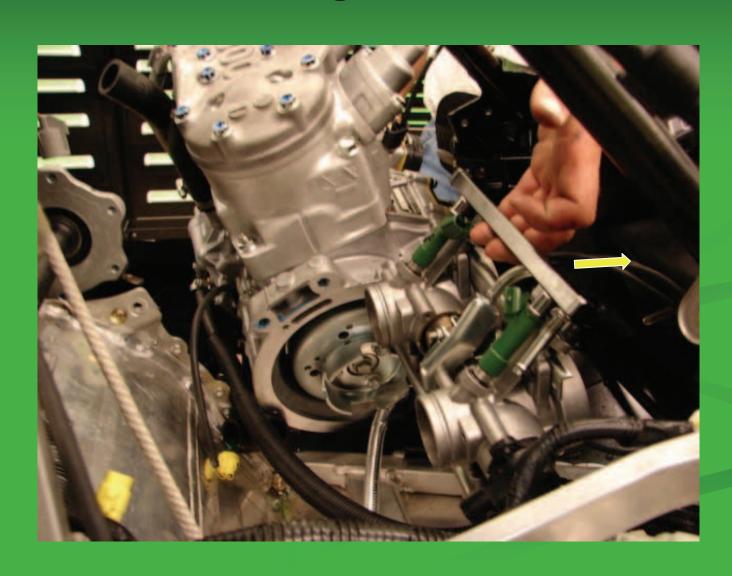
As explained before, it is critical for all fasteners to be torqued and remain tight, for the rider to get the best ride and performance.



Install the engine from the left side of the chassis.



While installing the engine, pull the throttle body forward to gain clearance.



Install and tighten the lower coolant hose.



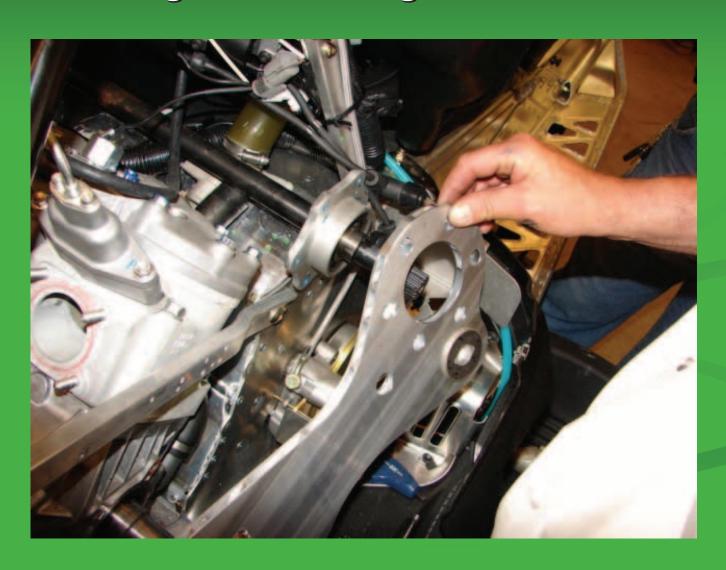
Start the two nuts and one bolt for the lower engine mounts.



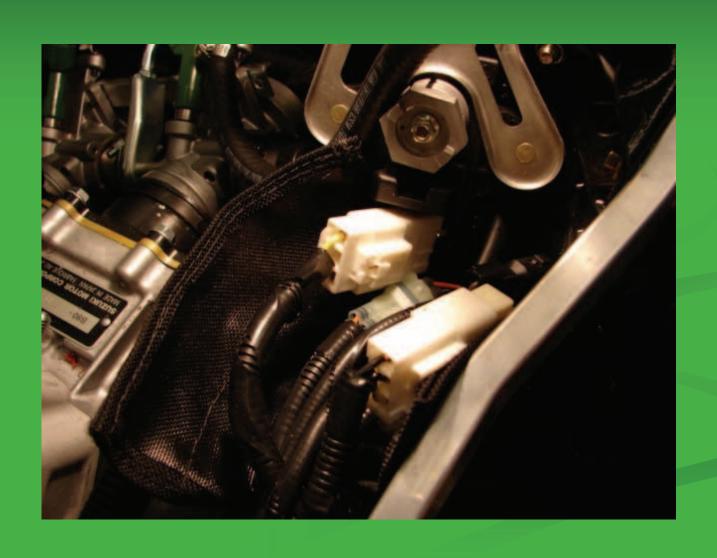
Start the right side mounting bolts into the right rear mount. You may have to lift the motor with a suitable bar to align the holes.



After installing and torqueing the LH support bar. Install the TCL plate / engine mount, and torque all engine mounting hardware.



Reconnect all the engine electrical connectors and install the APV cables per removal instructions.



Insert the throttle body into the intake flanges and reinstall the oil pump rod.



Make sure the oil line is reconnected to the oil reservoir and the throttle body coolant lines are secure.



Lastly the engine coolant will need to be added and the air bled from the system.



Additional Update Information

- 2012 Models Sprockets and chains
- New Special Tools
- ATV Service and Safety Bulletins
- ROV Service and Safety Bulletins
- Snowmobile Service and Safety Bulletins

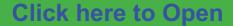
2012 Models Sprockets & Chains

2012 MODELS SPROCKETS & CHAINS

1	2 - Stroke Top Sprockets	La Talantina
Description		Part Number
21 Tooth (2-Stroke)	13 Wide / 19 Spline	2602-377
21 Tooth (2-Stroke)	15 Wide / 19 Spline	2602-212
22 Tooth (2-Stroke)	13 Wide / 19 Spline	2602-335
22 Tooth (2-Stroke)	15 Wide / 19 Spline	2602-461
23 Tooth (2-Stroke)	13 Wide / 19 Spline	2602-403
	4 – Stroke Top Sprockets	
Description Description		Part Number
21 Tooth	13 Wide / 33 Spline	2602-392
21 Tooth	15 Wide / 33 Spline	2602-402
22 Tooth	13 Wide / 33 Spline	2602-271
22 Tooth	15 Wide / 33 Spline	2602-213
23 Tooth	13 Wide / 33 Spline	2602-445
23 Tooth	15 Wide / 33 Spline	2602-446
24 Tooth	15 Wide / 33 Spline	2602-404
	2 & 4 - Stroke Bottom Sprocke	te.
Description		Part Number
35 Tooth	13 Wide / 34 Spline	2602-405
36 Tooth	13 Wide / 34 Spline	2602-406
37 Tooth	13 Wide / 34 Spline	2602-371
38 Tooth	13 Wide / 34 Spline	2602-372
48 Tooth	13 Wide / 34 Spline	2602-364
49 Tooth	13 Wide / 34 Spline	2602-363
40 Tooth **	11 Wide / 34 Spline	2602-276

^{** 4-}Stroke Reverse Sprocket only

2 & 4 - Stroke Chains			
Description		Part Number	
13 Wide	84 Pitch	2602-369	
11 Wide	68 Pitch	2602-342	
15 Wide	84 Pitch	2602-365	
13 Wide	90 Pitch	2602-370	
15 Wide	90 Pitch	2602-373	



New Special Tools

- Shock Spanner Tool (p/n 0744-072) Universal
- Bearing Puller (p/n 0744-067) Snowmobile
- Track Clip Tool (p/n 0744-068) Snowmobile
- Snap Ring Pliers (p/n 0644-587) Snowmobile
- 1100 N/A Lift Plate (p/n 0744-073) Snowmobile
- Compression Test Adapter (p/n 0544-014) Diesel ATV
- Clutch Spanner (p/n 0544-015) ATV

ATV Safety and Service Bulletins

Bulletins released during the 2011 model year.

- BA201101 Magneto Cover Assembly.
- BA201102 Intake Boot Clamp.
- BA201103 Camshaft Decompression Spring.
- BA201104 Storage Box.
- BA201105 Windshield Brackets.



Service Bulletin

Date: May 20, 2010 Product Line: ATV

Bulletin No: 2011-2-01 Subject: Magneto Cover Assembly

Affected Models: 2010 H2 models - See attached VIN list for affected models.

NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Condition: On the affected models, the stator may come in contact with the mounting screws on

the inside of the magneto cover resulting in damage to the stator.

Solution: Install Magneto Cover Kit (p/n 0837-012) according to the instructions provided in the kit.

■ NOTE: Once the replacement of the magneto cover kit has been completed, the existing magneto cover (with stator) assembly must be returned to Arctic Cat in the shipping box in which the new one was shipped.

Parts: Order an appropriate number of Magneto Cover Kits (p/n 0837-012) through normal parts-ordering channels. Your dealership Parts Account will be billed

and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.6 hr will be paid per affected ATV.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to May 20, 2011. All warranty claims directly related to this issue will not be honored after May 20, 2011 without prior approval.



Service Bulletin

Date: July 14, 2010 Product Line: ATV

Bulletin No: BA201102 Subject: Intake Boot and Clamp

Affected Models: All 2009-2010 700 Mud Pro models

Condition: The existing intake boot and clamps securing the throttle body to the intake manifold

do not meet Arctic Cat standards and need to be replaced.

Solution: Install Intake Boot Clamp Kit (p/n 0437-069) according to the instructions provided

in the kit.

Parts: Order an appropriate number of Intake Boot Clamp Kits (p/n 0437-069)

through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.4 hr will be paid per affected vehicle.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to July 14, 2011. All warranty claims directly related to this issue will not be honored after July 14, 2011 without prior approval.



Parts:

Service Bulletin

Date: September 28, 2010 **Product Line: ATV**

Bulletin No: BA201103 Subject: Camshaft Decompression Spring

Affected Models: Specific 2011 550 TRV models (see attached VIN list and/or refer

to Cat Tracker to verify if a VIN is affected by this Service Bulletin).

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

The existing camshaft decompression spring orientation allows the spring to

become disconnected resulting in hard starting.

Solution: Install Camshaft Decompression Spring Update Kit (p/n 0437-077) according

to the instructions provided in the kit.

Order an appropriate number of Camshaft Decompression Spring Update Kits (p/n 0437-077) through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim

A labor allowance of 1.3 hr will be paid per affected ATV.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to September 28, 2011. All warranty claim directly related to this issue will not be honored after September 28, 2011 without prior approval.





Service Bulletin

Date: November 8, 2010 Product Line: ATV

Bulletin No: BA201104 Subject: Storage Box

Affected Models: All 2008-2010 Cruiser models

Condition: The storage box on the affected models does not meet Arctic Cat standards

and should be updated.

Solution: Install Storage Box Strap Update Kit (p/n 1436-421) according to the instruc-

tions provided in the kit.

Parts: Order an appropriate number of Storage Box Strap Update Kits (p/n 1436-421)

through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.2 hr will be paid per affected vehicle.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timety manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to November 8, 2011. All warranty claims directly related to this issue will not be honored after November 8, 2011 without prior approval.

■ NOTE: In addition to this service bulletin, Arctic Cat will provide a storage box strap update kit for all accessory cruiser rear cargo boxes. After your dealership has ordered a Storage Box Strap Update Kit (p/n 1436-421), submit a normal parts-only warranty claim by entering AA (Accessories ATV) in the system complaint code section indicating the quantity and part number for each affected TRV Cruiser Rear Cargo Box (p/n 1436-198/199/200/201/208/209/210/211).



Service Bulletin

Date: November 8, 2010 Product Line: ATV

Bulletin No: BA201105 Subject: Windshield Brackets

Affected Models: All 2009-2010 Cruiser models

Condition:

The windshield mounting brackets on the affected models may crack and break and should be replaced. Below are pictures of the old and the new mounting brackets.

■ NOTE: Please verify the affected ATV's need the update before ordering the kit as they may already be updated. See pictures below.





Solution: Instal

Install Cruiser Windshield Bracket Update Kit (p/n 1436-545) according to the instructions provided in the kit.

Parts:

Order an appropriate number of Cruiser Windshield Bracket Update Kits (p/n 1436-545) through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim Request.

Warranty:

A labor allowance of 0.2 hr will be paid per affected vehicle.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to November 8, 2011. All warranty claims directly related to this issue will not be honored after November 8, 2011 without prior approval.

■ NOTE: In addition to this service bulletin, Arctic Cat will provide a Cruiser Windshield Bracket Update Kit for all accessory touring windshield kits. After your dealership has ordered a Cruiser Windshield Bracket Update Kit (p/n 1436-545), submit a normal parts-only warranty claim by entering AA (Accessories ATV) in the system complaint code section indicating the quantity and part number for each affected Touring Windshield (p/n 1436-233/234/235/236).

ATV Safety and Service Bulletins

Bulletins released during the 2012 model year as of July 2011.

BA201201 Steering Post Cap Screws.



Service Bulletin

Product Line: ATV

Bulletin No: BA201201 Subject: Steering Post Cap Screw

Affected Models: Specific non-power steering ATV models - See attached VIN list

for affected models.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Conditions

On the affected models, the cap screw securing the bottom of the steering post may have been improperly torqued and must be inspected. If the cap screw and washer are tight, no further action is needed. See Fig. 1. If the cap screw and washer are loose, proceed to the solu-

Eln.



Solution:

Apply a few drops of green Loctite #609 to the threads of the cap screw; then tighten the cap screw to 40 ft-lb using the instructions below.

Instructions:

Remove the cap screw and washer; then apply a few drops of green Loctite #609 to the cap
 screw threads.

Using a torque wrench, 12-in. extension, swivel, and 13 mm socket, tighten the cap screw securing the bottom of the steering post to 40 ft-lb.

■ NOTE: To easily access the cap screw, go between the right lower A-arm and the frame.

Warranty: A labor allowance of 0.2 hr will be paid per affected ATV.

■ NOTE: Remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to May 20, 2012. All warranty claims directly related to this issue will not be honored after May 20, 2012 without prior approval.

ROV Safety and Service Bulletins

Bulletins released during the 2011 model year.

- Magneto Cover Assembly.
- BU201102 Engine Mounting Cap Screws.
- **BU201103 & 04** Rear ROPS (Roll Over Protective Structure) Support.
- **BU201105** Camshaft Decompression Spring.
- BU201107 Warning Decal.
- BU201108 Side Restraints.
- BU201109 Cargo Box Panels.
- **BU201110** Exhaust Pipe Assembly.
- BU201111 Side Restraint.
- BU201112 Shift Gate Shift Boot.



Service Bulletin

Date: May 20, 2010 Product Line: Prowler

Bulletin No: 2011-6-01 Subject: Magneto Cover Assembly

Affected Models: 2010 XTZ models - See attached VIN list for affected models.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Condition: On the affected models, the stator may come in contact with the mounting screws on

the inside of the magneto cover resulting in damage to the stator.

Solution: Install Magneto Cover Kit (p/n 0837-012) according to the instructions provided in

the kit.

■ NOTE: Once the replacement of the magneto cover kit has been completed, the existing magneto cover (with stator) assembly must be returned to Arctic Cat in the shipping box in which the new one was shipped.

Parts:

Order an appropriate number of Magneto Cover Kits (p/n 0837-012) through normal parts-ordering channels. Your dealership Parts Account will be billed

and then credited upon receipt of a Warranty Claim Request.

Warranty:

A labor allowance of 0.6 hr will be paid per affected Prowler.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to May 20, 2011. All warranty claims directly related to this issue will not be honored after May 20, 2011 without prior approval.



Service Bulletin

Date: July 14, 2010 Product Line: Prowler

Bulletin No: BU201102 Subject: Engine Mounting Cap Screws

Affected Models: 2011 Prowler 550 XT - See attached VIN list for affected models.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Condition: The engine mounting cap screws securing the engine to the right- and left-side

engine brackets may break causing the engine to become misaligned.

Solution: Install Cap Screw Update Kit (p/n 0437-074) according to the instructions pro-

vided in the kit.

Parts: Enclosed with this bulletin is an appropriate number of Cap Screw Update Kits

(p/n 0437-074) for each affected vehicle. Your dealership will be credited upon

receipt of a Warranty Claim Request.

Warranty: A labor allowance of 1.0 hr will be paid per affected Prowler.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to July 14, 2011. All warranty claims directly related to this issue will not be honored after July 14, 2011 without prior approval.

BU201103 & 04



Service Bulletin

Date: September 7, 2010

Product Line: Prowler

Bulletin No: BU201103

Subject: Rear ROPS (Roll Over Protective

Structure) Support

Bulletin No: BU201104

Affected Models: 2011 Prowler HDX - See attached VIN list.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN. Only

inspect the vehicles (see attached VIN list) included in the bulletin.

Condition:

The rear ROPS support bracket on the affected Prowler has a weld missing and must be replaced. There must be three welds on the bracket where the

seat belt assemblies are attached.

■ NOTE: Some Prowlers within the VIN range may need no service work. Raise the cargo box and inspect both inside and outside of each bracket (where seat belt assemblies are attached). If all three welds on each bracket (behind the seat) are in place, no service work is needed. See pictures below.



Solution:

Install ROPS Support Bracket Update Kit (p/n 0437-075) according to the instructions provided in the kit.

If a vehicle is found with missing welds, please contact your Arctic Cat service technician and a ROPS Support Bracket Update Kit (p/n 0437-075) will be shipped directly to your dealership. Your dealership will be credited upon receipt of a Warranty Claim Request. A Fed-Ex call tag will be included with the kit to send the existing canopy support bracket back to Arctic Cat.

■ NOTE: Please note that the new ROPS support bracket that your dealership receives (if needed) will have the weld on the inside of the bracket.

Warranty:

BU201103 - A labor allowance of 0.2 hr will be paid per inspection of weld and

no need of a ROPS support update kit.

Warranty:

BU201104 - A labor allowance of 1.1 hr will be paid per affected Prowler that

needs a ROPS support update kit.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to September 7, 2011. All warranty clain directly related to this issue will not be honored after September 7, 2011 without prior approval.

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Service Bulletin

Date: September 28, 2010 Product Line: Prowler

Bulletin No: BU201105 Subject: Camshaft Decompression Spring

Affected Models: Specific 2011 HDX models (see attached VIN list and/or refer to

Cat Tracker to verify if a VIN is affected by this Service Bulletin).

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Condition: The existing camshaft decompression spring orientation allows the spring to

become disconnected resulting in hard starting.

Solution: Install Camshaft Decompression Spring Update Kit (p/n 0437-077) according

to the instructions provided in the kit.

Parts: Order an appropriate number of Camshaft Decompression Spring Update Kits (p/n 0437-077) through normal parts-ordering channels. Your dealership Parts

(p/n 0437-077) through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim

Request.

Warranty: A labor allowance of 0.8 hr will be paid per affected vehicle.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to September 28, 2011. All warranty claims directly related to this issue will not be honored after September 28, 2011 without prior approval.



Service Bulletin

Date: October 25, 2010 Product Line: Prowler

Bulletin No: BU201107 Subject: Warning Decal

Affected Models: Certain 2011 XT, XTX, XTZ models (see attached VIN list and/or refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin).

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Condition: The affected models have been manufactured without the ROPS (Roll Over

Protective Structure) Warning Decal and needs to be adhered to the operator

side hip restraint bar

Solution: Install ROPS Warning Decal (p/n 2411-522) according to the instructions pro-

vided in this bulletin.

Parts: Enclosed with this bulletin is the appropriate Warning Decal to complete this

service work. Your dealership will be credited upon receipt of a Warranty

Claim Request.

Warranty: A labor allowance of 0.1 hr will be paid per affected vehicle.

Instructions: Clean the intended decal area; then remove the backing from ROPS Warning

Decal (A) and adhere to the outside of the operator side hip restraint bar (B).

Cin



■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to October 25, 2011. All warranty claims directly related to this issue will not be honored after October 25, 2011 without prior approval.



Service Bulletin

Date: January 17, 2011 Product Line: Prowler
Bulletin No: BU201108 Subject: Side Restraint

Affected Models: 2011 Prowler HDX within the VIN ranges of 300264-301649 and 800001-800003.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN. Also please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: The existing right and left side restraint assemblies may break and should be

eplaced.

Solution: Install Side Restraint Update Kit (p/n 0437-079) according to the instructions

provided in the kit.

Parts: Order an appropriate number of Side Restraint Update Kits (p/n 0437-079)

through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.3 hr will be paid per affected Prowler.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to January 17, 2012. All warranty claims directly related to this issue will not be honored after January 17, 2012 without prior approval.



Service Bulletin

Date: January 31, 2011 **Product Line: Prowler** Bulletin No: BU201109 (Reissue) Subject: Cargo Box Panels

Affected Models: 2011 Prowler HDX with a VIN prior to 2BT301079.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN. Also please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

The existing cargo box interior panels may warp and should be replaced.

Solution: Install Cargo Box Panel Update Kit (p/n 0437-078) according to the instruc-

tions provided in the kit.

Parts: Order an appropriate number of Cargo Box Panel Update Kits (p/n 0437-078) through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request.

A labor allowance of 0.3 hr will be paid per affected Prowler.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved. Arctic Cat is requesting that all service work be completed prior to January 31, 2012. All warranty claim directly related to this issue will not be honored after January 31, 2012 without prior approval.



Service Bulletin

Date: January 17, 2011 **Product Line: Prowler** Bulletin No: BU201110 Subject: Exhaust Pipe Assembly

Affected Models: 2011 Prowler HDX within the VIN ranges of 300264 - 301061 and

800001 - 800003.

Parts:

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN. Also please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: The existing exhaust pipe heat shields on the affected model may become loose resulting in vibration; therefore, the exhaust pipe assembly should be

Solution: Install Exhaust Pipe Update Kit (p/n 0437-081) according to the instructions

provided in the kit.

Order an appropriate number of Exhaust Pipe Update Kits (p/n 0437-081) through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.4 hr will be paid per affected Prowler.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to January 17, 2012. All warranty claim directly related to this issue will not be honored after January 17, 2012 without prior approval.



Service Bulletin

Date: January 17, 2011 **Product Line: Prowler** Bulletin No: BU201111 Subject: Side Restraint

Affected Models: 2011 Prowler XT, XTX, XTZ within the VIN ranges of 300001-301788 and 808012-808028.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN. Also please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: The existing right and left side restraint assemblies may break and should be

Solution: Install Side Restraint Update Kit (p/n 0437-080) according to the instructions

provided in the kit.

Parts: Order an appropriate number of Side Restraint Update Kits (p/n 0437-080) through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request.

A labor allowance of 0.3 hr will be paid per affected Prowler.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to January 17, 2012. All warranty claim directly related to this issue will not be honored after January 17, 2012 without prior approval.



Service Bulletin

Date: January 17, 2011 Product Line: Prowler

Bulletin No: BU201112 Subject: Shift Gate/Shift Boot

Affected Models: All 2011 Prowler HDX models up to the VIN of 303564.

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN. Also please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: The existing shift gate and shift boot on the affected models does not meet

Arctic Cat standards.

Solution: Install Shift Gate/Shift Boot Update Kit (p/n 0437-085) according to the instructions provided in the kit. Kits are expected to be available the week of January

24, 2011.

Parts: Order an appropriate number of Shift Gate/Shift Boot Update Kits (p/n 0437-

085) through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.3 hr will be paid per affected Prowler HDX.

■ NOTE: Please remember that when submitting a claim, make sure to always enter the current mileage of each affected vehicle.

ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic cat is requesting that all service work be completed prior to January 17, 2012. All warranty claims directly related to this issue will not be honored after January 17, 2012 without prior approval.

Snowmobile Safety and Service Bulletins

Bulletins released during the 2011 model year.

- **BS201101 & 02** Protective Foil and Foam.
- BS201103 500 Sno Pro ECU Reprogramming.
- BS201104 Solenoid Heat Shield.
- BS201105 Pinion Gear and Spring.
- BS201106 CCU.
- BS201107 Drive Clutch Spring.
- BS201108 Voltage Regulator.
- BS201109 Thrust Washer.
- **BS201110** ECU Reprogramming.
- BS201111 & 12 ECU Reprogramming.
- BS201113 Protective Foil.

BS201101 & 02



Service Bulletin

Date: June 11, 2010 Product Line: Snowmobile

Bulletin No: BS201101 Subject: Protective Foil and Foam Bulletin No: BS201102 Subject: Protective Foil and Foam

Affected Models: All 2009 T570, Bearcat 570, and Bearcat 570 XT models.

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

NOTE: This Service Bulletin is for Canada and overseas dealers only.

Condition: Various components such as protective foil, foam, and a decal need to be either added or updated on the affected models.

Solution (01): Install new 570 cc Update Kit (p/n 0637-349) on all 2009 T570 and Bearcat

570 models. Instructions will be included in the kit.

Solution (02): Install new 570 cc Update Kit (p/n 0637-348) on all 2009 Bearcat 570 XT

model. Instructions will be included in the kit.

Parts: Order an appropriate number of 570 cc Update Kit (p/n 0637-348/349) through normal parts-ordering channels. Your dealership Parts Account will be billed

and then credited upon receipt of a Warranty Claim Request.

Warranty (01): A labor allowance of 0.6 hr will be paid per affected T570 and Bearcat 570

models

Warranty (02): A labor allowance of 0.8 hr will be paid per affected Bearcat 570 XT model.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submit-

△ ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to June 11, 2011. All warranty claims directly related to this issue will not be honored after June 11, 2011, without prior approval.



Service Bulletin

Date: July 13, 2010 Product Line: Snowmobile

Bulletin No: BS201103 Subject: ECU Reprogramming

Affected Models: All 2010 500 Sno Pro

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: It has been determined that the performance of the affected model at low RPM does not meet Arctic Cat standards and/or expectations and needs to be

odated.

Solution: Remove the existing ECU (if necessary); then reprogram the ECU according

to the instructions enclosed with the CATT reprogramming kit.

■ NOTE: Before attaching the supplied decal with the appropriate bulletin number to the ECU, the Dealer Name and Zip Code must be filled out after reprogramming is complete. If additional decals (p/n 9611-043) are needed, a limited number of decals are available and can be ordered by contacting your Arctic Cat service technician.

Parts: The hardware necessary to reprogram the ECU is included in your CATT

reprogramming kit. If your dealership does not have the CATT (p/n 0744-056)

reprogramming kit, contact your Arctic Cat service technician.

Warranty: A labor allowance of 0.2 hr will be paid per affected snowmobile.



Service Bulletin

Date: July 15, 2010 Product Line: Snowmobile

Bulletin No: BS201104 Subject: Solenoid Heat Shield

Affected Models: All 2010 1100 cc non-turbo models.

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: During operation of the affected models, resonator heat may cause the starter solenoid to malfunction and must be updated.

Solution: Install new Solenoid Heat Shield Kit (p/n 0637-350) using the instructions

included in the kit

Parts: Order an appropriate number of Solenoid Heat Shield Kits (p/n 0637-350) through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request form.

Warranty: A labor allowance of 0.2 hr will be paid per affected snowmobile.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submit-

△ ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to July 15, 2011. All warranty claims directly related to this issue will not be honored after July 15, 2011, without prior approval.



Service Bulletin

Date: July 26, 2010 Product Line: Snowmobile

Bulletin No: BS201105 Subject: Pinion Gear and Spring

Affected Models: All 2010 F8 LXR models

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: When operating the affected model at high RPM, the pinion gear may move

out and contact the ring gear on the drive clutch. If the pinion gear contacts the ring gear during operation of the snowmobile, damage to the pinion gear and/

or the ring gear may occur.

Solution: Install new Pinion Gear Update Kit (p/n 0637-351) on all 2010 F8 LXR models.

Instructions will be included in the kit.

Parts: Order an appropriate number of Pinion Gear Update Kits (p/n 0637-351)

through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.4 hr will be paid per affected 2010 F8 LXR.

△ ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to July 26, 2011. All warranty claims directly related to this issue will not be honored after July 26, 2011, without prior approval.



Service Bulletin

Date: August 23, 2010 Product Line: Snowmobile

Bulletin No: BS201106 Subject: CCU

Affected Models: All 2009 1100 cc models

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin as it may already have been updated (example: If the snowmobile has a CCU (p/n 0630-265) the service work has been completed and a warranty claim has been credited).

Condition: On the affected models, the service icon (wrench) may come on when shifting into reverse causing the battery not to charge. If this condition occurs, the

snowmobile may lose power to restart.

Solution: Install new Chassis Control Unit (CCU) Update Kit (p/n 0637-341) on all 2009

1100 cc models. Instructions will be included in the kit.

Parts:
Order an appropriate number of Chassis Control Unit (CCU) Update Kits (p/n 0637-341) through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim

Request form.

Warranty: A labor allowance of 0.3 hr will be paid per affected snowmobile.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submitted.

A ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to August 23, 2011. All warranty claims directly related to this issue will not be honored after August 23, 2011, without prior approval.



Service Bulletin

Date: September 13, 2010 Product Line: Snowmobile

Bulletin No: BS201107 Subject: Drive Clutch Spring

Affected Models: All 2010 800 cc models

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition: On the affected models, the existing black/orange drive clutch spring may

crack and break resulting in loss of engine performance and must be updated.

■ NOTE: Please verify the affected snowmobile needs the yellow/white drive clutch spring (p/n 0646-229) before ordering this kit as it may already be updated.

Solution: Install new Drive Clutch Spring Update Kit (p/n 0637-347) on all 2010 800 cc

models. Instructions will be included in the kit.

Parts: Order an appropriate number of Drive Clutch Spring Update Kits (p/n 0637-

347) through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim Request.

Warranty: A labor allowance of 0.3 hr will be paid per affected snowmobile.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submit-

A ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to september 13, 2011. All warranty claims directly related to this issue will not be honored after September 13, 2011, without prior approval.



Service Bulletin

Date: November 10, 2010 Product Line: Snowmobile

Bulletin No: BS201108 Subject: Voltage Regulator

Affected Models: Specific 2011 M8 models (see attached VIN list and/or refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin).

■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Condition: On the affected models, the voltage regulator may have been installed upside down and should be corrected.

down and should be corrected.

Solution: Reverse the orientation of the existing voltage regulator according to the

instructions in this bulletin.

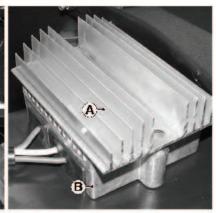
Warranty: A labor allowance of 0.2 hr will be paid per affected snowmobile.

 Instructions:
 1. Open the hood; then remove the two machine screws and nuts securing the voltage regulator and the heat regulator to the right-side belly pan.

Make sure the aluminum side of the voltage regulator is facing up; then secure the heat regulator (A) and voltage regulator (B) to the right-side belly pan using existing machine screws and nuts. Tighten securely. See Fig. 1.







■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submit-

△ ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved Arctic Cat is requesting that all service work be completed prior to November 10, 2011. All warranty claims directly related to this issue will not be honored after November 10, 2011, without prior approval.

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Service Bulletin

Date: November 15, 2010 Product Line: Snowmobile

Bulletin No: BS201109 Subject: Thrust Washer

Affected Models: Specific 2011 F570, T570, Bearcat 570, Bearcat XT, and Bearcat Z1

XT models within the VIN range of 115368 - 116559.

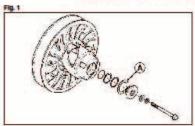
■ NOTE: For identification purposes, it is necessary to refer to only the last six digits of the VIN.

Condition

Parts:

On the affected models, the existing thrust washer (A) on the sheave adjuster

may crack and should be replaced. See Fig. 1.



Solution: Install new Thrust Washer Update Kit (p/n 0637-352) on all affected models. Instructions will be included in the kit.

instructions will be included in the k

Order an appropriate number of Thrust Washer Update Kits (p/n 0637-352) through normal parts-ordering channels. Your dealership Parts Account will be

billed and then credited upon receipt of a Warranty Claim Request form.

Warranty: A labor allowance of 0.2 hr will be paid per affected snowmobile.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submitted.

△ ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved. Arctic Cat is requesting that all service work be completed prior to November 15, 2011. All warranty claims directly related to this issue will not be honored after November 15, 2011, without prior approval.



Service Bulletin

Date: December 8, 2010 Product Line: Snowmobile

Bulletin No: BS201110 Subject: ECU Reprogramming

Affected Models: All 2009 and 2010 Z1 and TZ1 Turbo models

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

NOTE: Please refer to Cat tracker to verify if a vita is affected by this Service bullet

On the affected models, it has been determined that performance levels during operation at low RPM or with coolant temperature light on do not meet Arctic

Cat standards and/or expectations.

Solution:

Before reprogramming the ECU, your Cat Advanced Tech Tool (CATT) software must be updated by logging on to Cat Tracker Online and clicking on CATT Tool Update under Quick Links on the right side of the screen. Reprogram the ECU according to the instructions enclosed with the CATT repro-

ramming kit.

The hardware necessary to reprogram the ECU is included in your CATT reprogramming kit. If your dealership does not have the CATT (p/n 0744-056) reprogramming kit, contact your Arctic Cat service technican. An additional Harness Adaptor Kit (p/n 0744-065) will be shipped directly to your dealership. This adaptor will be needed to reprogram this particular ECU.

Instructions will be included with the kit.

■ NOTE: Before attaching the supplied decal to the ECU, the Dealer Name, Zip Code, and service bulletin number must be filled out after reprogramming is complete. If additional Decals (p/n 9611-514) are needed, a limited number of decals are available and can be ordered by contacting your Arctic Cat service technician.

Warranty:

A labor allowance of 0.2 hr will be paid per affected snowmobile. A warranty claim is automatically generated at the time the ECU is reprogrammed.

■ NOTE: It is required to enter the current mileage of each affected model.

BS201111 & 12



Bulletin No: BS201111

Safety Recall Bulletin

Subject: Lower A-Arm Bracket

Date: January 18, 2011 Product Line: Snowmobile

Affected Models: All 2010 M-Series and Crossfire models

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

△ WARNING

Do not operate or permit anyone to operate the affected snowmobile until the lower Aarms have been updated. Severe personal injury may result if the lower A-arm breaks and loss of control occurs.

What is the reason for this notice?

The two lower A-arms on the affected models do not meet Arctic Cat standards and must be updated.

Condition: On the affected models, the lower front A-arms may fracture during use. If this

condition were to occur, it could affect steering control which in turn could cause loss of control of the snowmobile which presents the possibility of seri-

Order an appropriate number of A-Arm Bracket Update Kits (p/n 0637-354)

ous injury or death.

Solution: Install A-Arm Bracket Update Kit (p/n 0637-354) on all 2010 M-Series and

Crossfire models. Instructions will be included in the kit.

What should you do?

Warranty:

Update all affected snowmobiles still at your dealership. All registered owners of affected snowmobiles will be sent a letter concerning this Safety Recall Bulletin. If a customer contacts you concerning this issue, please assist them in completing the necessary update.

through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim Request form.

A labor allowance of 0.2 hr will be paid per affected snowmobile.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submitted.



Safety Recall Bulletin

Date: January 18, 2011 Product Line: Snowmobile

Bulletin No: BS201112 Subject: Lower A-Arm Bracket

Affected Models: All 2010 T-Series, F-Series, and Bearcat models

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

△ WARNING

Do not operate or permit anyone to operate the affected snowmobile until the lower Aarms have been updated. Severe personal injury may result if the lower A-arm breaks and loss of control occurs.

What is the reason for this notice?

The two lower A-arms on the affected models do not meet Arctic Cat standards and must be updated.

Condition: On the affected models, the lower front A-arms may fracture during use. If this

condition were to occur, it could affect steering control which in turn could cause loss of control of the snowmobile which presents the possibility of seri-

ous injury or death.

Solution: Install A-Arm Bracket Update Kit (p/n 0637-353) on all 2010 T-Series, F-

Series, and Bearcat models. Instructions will be included in the kit.

What should you do?

Update all affected snowmobiles still at your dealership. All registered owners of affected snowmobiles will be sent a letter concerning this Safety Recall Bulletin. If a customer contacts you concerning this issue, please assist them in completing the necessary update.

Parts: Order an appropriate number of A-Arm Bracket Update Kits (p/n 0637-353)

through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim Request form.

Warranty: A labor allowance of 0.3 hr will be paid per affected snowmobile.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submitted.



Service Bulletin

Date: February 23, 2011 Product Line: Snowmobile

Bulletin No: BS201113 Subject: Protective Foil

Affected Models: All 2010 and 2011 Sno Pro 500 models

■ NOTE: Please refer to Cat Tracker to verify if a VIN is affected by this Service Bulletin.

Condition

On the affected models, certain right-side belly pan foam (B) and certain rightside access panel foam (A) may come in contact with the resonator and should be replaced with protective foil. See Fig. 1.



Solution:

Install Protective Foil Update Kit (p/n 0637-355) on all affected 2010 and 2011

Sno Pro 500 models. Instructions will be included in the kit.

Parts:

Order an appropriate number of Protective Foil Update Kits (p/n 0637-355) through normal parts-ordering channels, Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim Request form.

Warranty:

A labor allowance of 0.4 hr will be paid per affected snowmobile.

△ ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to February 23, 2012. All warranty claims directly related to this issue will not be honored after February 23, 2012, without prior approval.

■ NOTE: It is required to enter the current mileage of each affected model at the time the claim is submitted.

