

TOURING/UTILITY



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MY 2010 Touring Technical Workshop

1. Model Line-up
2. Key Product Features
3. Improvements/changes
4. Accessories
5. Summary

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2010 Touring Model Line-up

- T570
- TZ1
- TZ1 LXR
- TZ1 Turbo LXR
- TZ1 Turbo LXR LE

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T-Series Key Product Features

- 570 F/C and Z1 4-Stroke Engine options
- Twin spar chassis
- 15" x 144" x 1" Track
- Slide-Action Rear Suspension
- Electric start
- **NEW** Push-button reverse – ACER (T570)
- Heated driver & passenger seats – **NEW** (TZ1)
- Quick-detach passenger seat
- Passenger handwarmers & wind deflectors (TZ1)
- Accessory outlet (TZ1)
- White color option



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T-Series LXR Additional Key Product Features

- Z1 & Z1 Turbo 4-Stroke Engines
- **NEW** Fox IFP Gas ski shocks
- Adjustable (IRP) handlebars
- Remote electric start
- Rear storage bags
- Premium gauge
- Mirrors
- High gloss painted finish
- Navy blue color option



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TZ1 Turbo LXR LE

- New Metallic Green color package
- High gloss painted finish



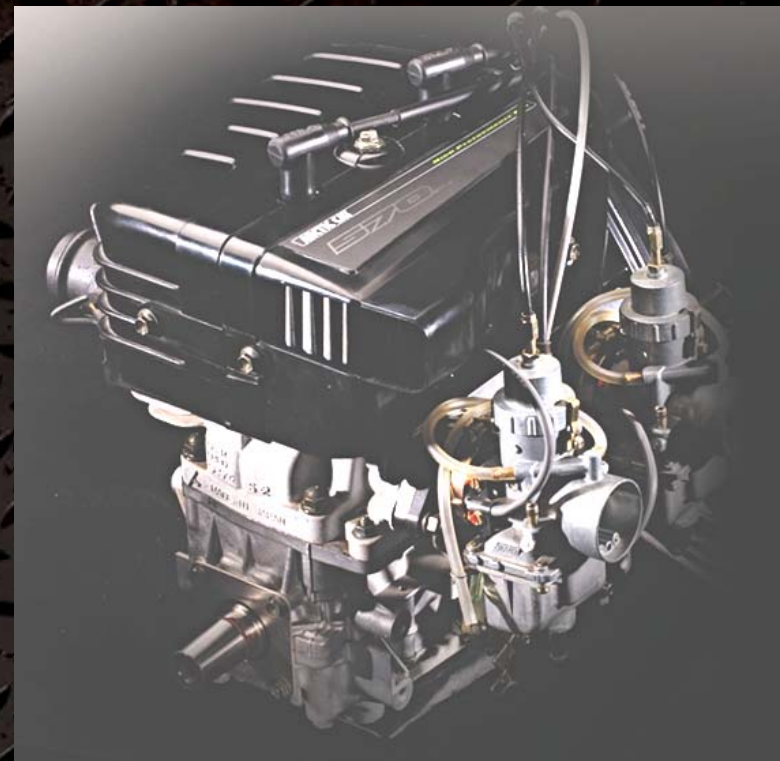
Spring order only

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570 Engine Reverse

- Reverse function is done by reversing the engine crankshaft rotation
- Oil pump still functions while in reverse
- Reverse logic was added to the CDI unit to trigger the reverse activation



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Z1 Exhaust

- New resonator and new pipe
- Over 50% less parts than previous version
- 9 pound weight reduction



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Z1/Z1 Turbo ECU

- Program change which cuts fuel and prevents drive-away until the sled reaches the proper operating temperature.
 - Greatly reduces the chance of fouling a spark plug
 - “TEMP” will appear on the gauge at start up. It will begin to flash “TEMP” when the engine is close to it’s operating temp.



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Fox IFP gas ski shocks

- Used on LXR models
- Improved performance in rough terrain, improved fade resistance
- Rebuild-able and adjustable

Front ski shock springs

- Higher spring rate for improved “roll” control and stability when cornering



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New saddle-less skis

- 9% increase in overall width
- 1.9 pound weight reduction
- 1/8" deeper keel
- Provides improved flotation and improved cornering

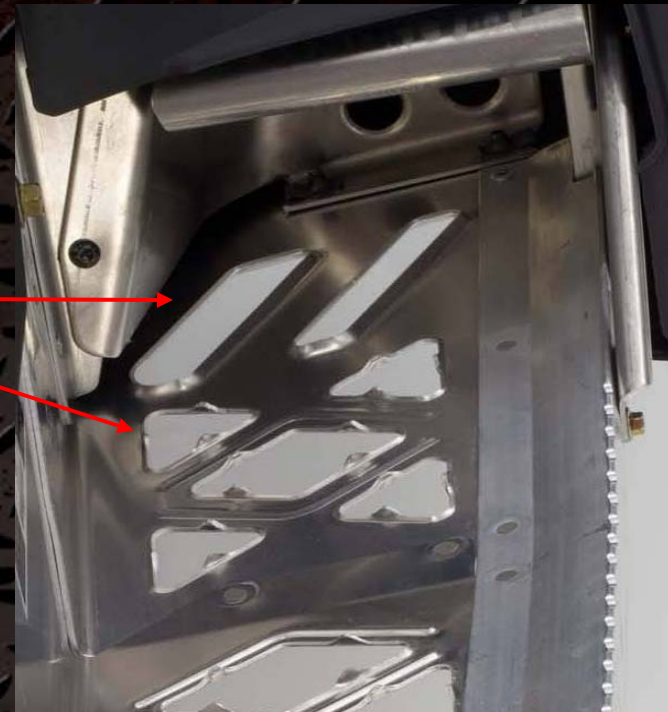


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Running boards

- Enlarged the openings which greatly reduces snow build-up and makes it much easier to shed excess snow off the boards



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New overload spring blocks

- Eliminates the need for an overload spring tool
- Re-shaped the top surface to make spring engagement easier
- Standard on all T-Series and Bearcat XT's



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Sway bar mounting bracket (Z1/Z1 Turbo models)

- Third mounting bracket was added to the center of the sway bar
- Makes the sway bar work more efficient resulting in less chassis roll in the corners



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Drive System

- Forward-only ACT gearcase (T570)
 - Elimination of mechanical linkage & lever
 - Weight reduction of 5 pounds
- Common un-calibrated drive clutches on 570 and Z1
 - New clutch puller required (metric thread)

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Drive System

- Splined gearcase sun gear (previously was welded)
 - Improved durability



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Electrical

- ECU reverse (TZ1/TZ1Turbo)
 - Eliminates the need for a CCU
 - Requires addition of relays to the power distribution module (PDM)
 - Requires additional regulator which gets mounted to the tunnel
- 570 starters
 - New grease with lower temperature rating being used on pinion shaft
 - Improves starting in cold weather

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Electrical

- New ignition/key switch
 - All Z1/Z1 Turbo models
 - Better seal for improved water protection
 - Shared switch with ATV's



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Gas tank

- New fuel pump
- New fuel pump mounting
 - Mechanically fastened
 - Improved serviceability



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High windshield on TZ1 Turbo

- Improved wind protection



New handlebar/handlebar pad (non LXR's)

- Bent handlebar allows a foam pad and vinyl cover for a more refined look

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New Hood clips

- Spring steel hood clips increase the force needed to detach the hood by over 75%
- Will be used on all 570 models and all Bearcats



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New laminated seat vinyl

- Laminate-backed vinyl will be used on seat tops to help prevent any wrinkles or creases in the seat
- Will be used on T-Series and Bearcat driver and passenger seats

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Side panel bezel (TZ1 Turbo)

- Adhesive-backed mesh screen
- Prevents snow from entering clutch area but still let's air through

Weight reductions

T570 5 pounds

TZ1 13 pounds

TZ1 LXR 13 pounds



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NEW T-Series Accessory Options

- Short touring rack
- Long touring rack
- Touring front bumper



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Touring Racks

Short

- Fits behind passenger seat on all T-Series sleds or Bearcat 570
- Mounts easily with 4 screws
- Holes will be pre-drilled in rails

Long

- Fits behind driver seat on all T-Series sleds or Bearcat 570
- Mounts easily with 8 screws



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Touring Bumper

- Mounts to the front of all T-Series sleds (excluding Turbo) and Bearcat 570
- Extra height so contact with another T-Series sled results in no plastic damage
- Great for front-to-back contact in rental market



2010 Touring Summary

- **NEW** Push-button reverse (ACER) on T570
- **NEW** Fox IFP Gas ski shocks on LXR's
- Improved cornering, handling and stability on LXR models
- New skis on all T-Series sleds
- Multiple product improvements
- New accessory options

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2010 Utility Model Line-up

- Bearcat 570
- Bearcat 570 XT
- Bearcat Z1 XT



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• Bearcat 570 Key Product Features

- Twin spar chassis
- ACT drive system
- **NEW** Push-button reverse (ACER)
- Slide-Action rear suspension w/2" dia. rear shock
- **NEW** 15" x 151" x 1.25" Ripsaw track
- Saddle-less 8" skis
- Adjustable ski stance
- Curved handlebars w/grab strap
- Pintle hitch
- Digital/analog speedometer & tachometer w/built in clock
- Tall windshield
- Tunnel rails



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Bearcat 570 XT Key Product Features

- 570 F/C engine
- "Wide" Twin spar chassis
- ACT drive system
- Electric start
- **NEW** Push-button engine reverse (ACER)
- Articulating rear suspension w/overload springs & 2" dia. rear shock
- 20" x 156" x 1.25" track
- Saddle-less 8" skis
- Adjustable ski stance
- LED taillight
- Under-seat storage
- Quick-detach passenger seat
- Passenger wind deflectors
- Curved handlebars w/grab strap
- Pintle hitch
- Rear tunnel rails
- 17 gallon gas tank
- Blue color package



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Bearcat Z1 XT Additional Key Product Features

- Z1 4-stroke engine
- Accessory outlet
- Mirrors
- Blue or green color options
- High gloss painted finish

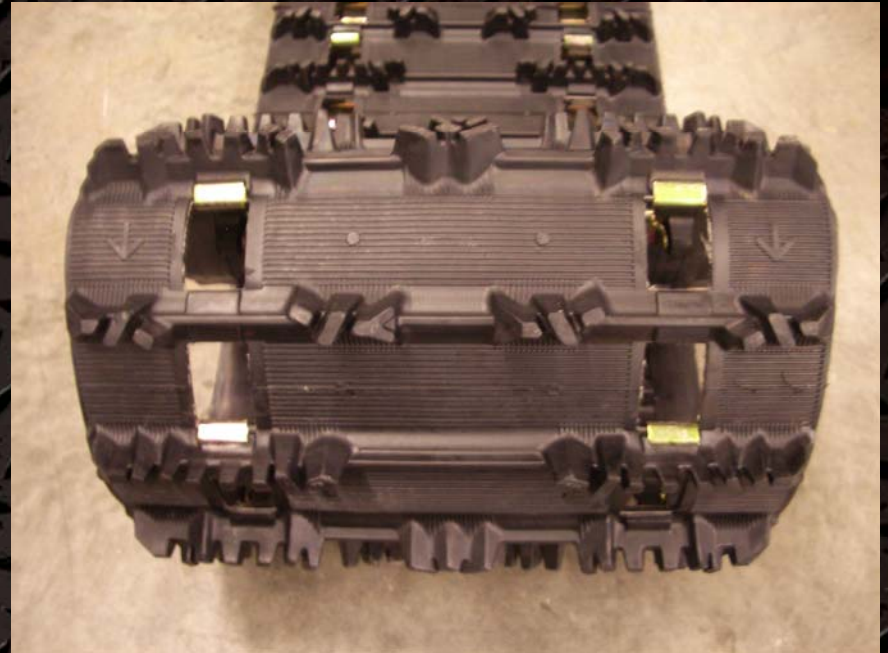


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NEW 15" x 151" x 1.25" Ripsaw Track

- Additional length provides improved flotation in deep snow
- Improved traction on hard-packed conditions

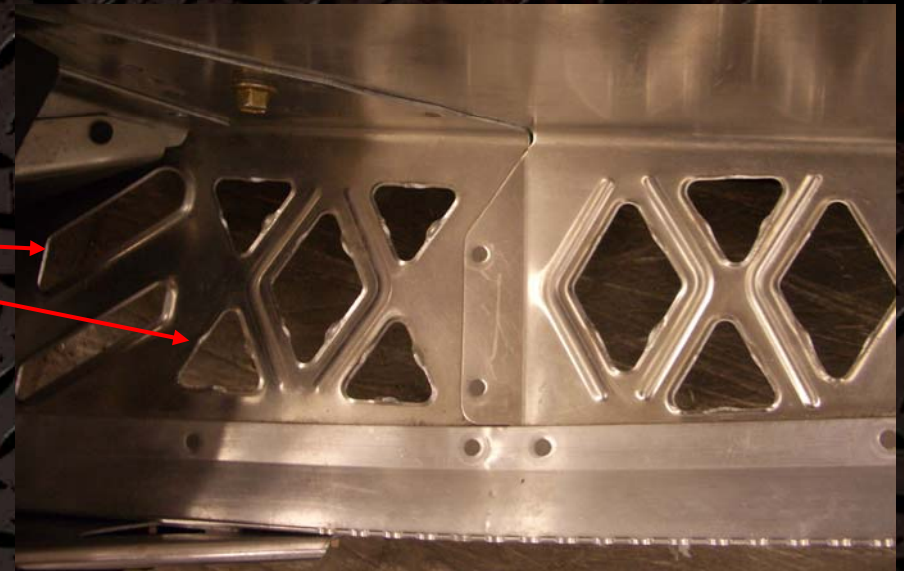


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Running boards

- Enlarged the openings which greatly reduces snow build-up and makes it much easier to shed excess snow off the boards

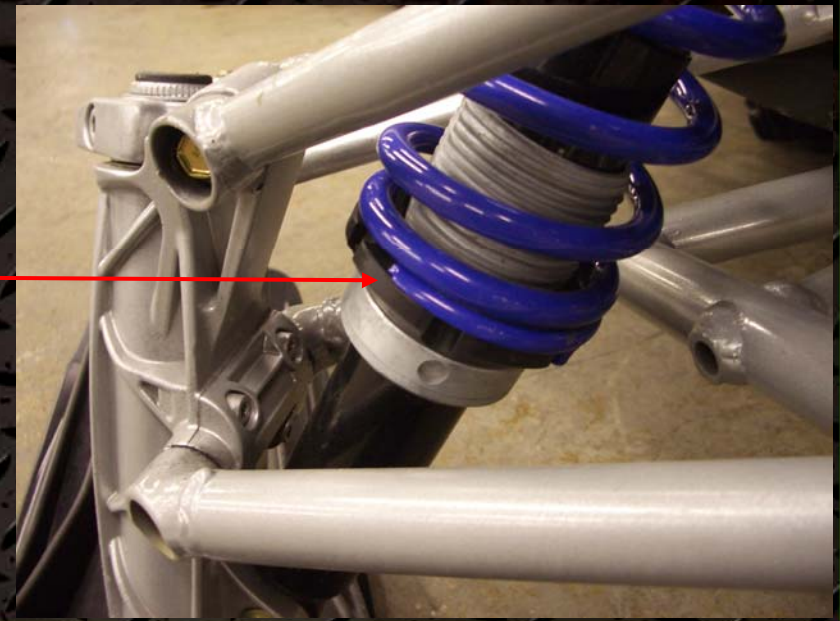


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Front ski shock springs (XT's)

- Increased spring rate by 27% on 570 and 55% on Z1 to improve performance in big bumps and reduce body roll in the corners
- Added adjuster nuts to allow riders to adjust the spring pre-load to their preference



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Rear torsion springs (XT's)

- Increased wire diameter by 8% and spring rate by 5%
 - This will increase load carrying capability
 - This also allows the spring to be less pre-stressed
 - Results in longer spring life by keeping them from “sagging” or “taking-a-set”

New rear shock pivot axle

- 2-piece steel axle assembly
- 3 times stronger than previous design and eliminates 2 parts

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Rear suspension idler wheels

- Switched to a UHMW (ultra high molecular weight polyethylene) material on the 570's
- New wheels have the bearing molded into the wheel eliminating the need for snap rings
- Bearings have an improved seal and the grease is rated for higher temps

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Secondary intake

- Added a secondary intake on the 570 XT
- “Flapper” design pulls in air in the event that the primary intake screen gets covered or plugged with snow



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Drive System

- Forward-only ACT gearcase (570's)
 - Elimination of mechanical linkage & lever
 - Weight reduction of 5 pounds
- Clutch calibration
 - Slight improvements on each Bearcat model to improve low speed performance and belt life

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Electrical

- LED taillight
 - One-piece molded cover for improved sealing

Weight reductions

- Bearcat 570 5 pounds
- Bearcat 570 XT 6 pounds

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NEW Bearcat XT Accessory Options

- Front receiver bumper
- Rear receiver bumper
- Receiver winch
- Receiver hitch
- Snowplow push frame
- Snow plow blades
- Ski Skins
- Mesh snow screens
- Back-up light
- Extra tall windshield



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Receiver Bumpers

Front

- Accepts universal 2" receiver
- Used for mounting receiver winch or snowplow kit



Rear

- Accepts universal 2" receiver hitch
- Option of pintle, pivot or receiver hitch



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Receiver Winch

- 2500 lb Warn winch w/50' cable
- Mounts to the front or rear of the sled with proper receiver bumper



Snowplow Push Frame

- Mounts directly to the front receiver bumper
- Needed for snowplow kit – easy installation



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Snowplow Blade

- Used in conjunction with snowplow push frame
- Same 60" blade as used on ATV's



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Ski Skins

- 12" wide for ultimate flotation in deep snow
- Fits the 8" Saddle-less skis



Mesh Snow Screen

- Fits all Bearcat XT's
- Helps prevent snow from getting under-hood



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Backup Light

- Provides additional illumination at the rear of the sled
- Activated by reverse application



Extra tall windshield

- Over 4" taller than current Bearcat windshield for added wind protection



2010 Utility Summary

- **NEW** 151" track in Bearcat 570
- **NEW** Push-button reverse on 570's (ACER)
- Suspension calibration updates on the XT's
- Multiple product improvements
- Several new accessory items

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Thank you!