

Race Prep	1	2	4	6M
Check tires for holes and cuts	x			
Set tire pressure	x			
Check for stem cap	x			
Check valve stem	x			
Replace tires				x
Check wheels for damage	x			
Torque bead rings to 100 inch lb.	x			
Torque lug nuts to 35 ft lb	x			
Grab top and bottom of tire and check wheel bearings	x			
Lube wheel bearings		X		
Replace wheel bearings			X	
Check spindle cotter pin	X			
Check front brake pad wear	X			
Check for brake drag	X			
Rebuild calipers				X
Torque brake line banjo bolts – 120 in lb	X			
Inspect brake lines for wear	X			
Inspect brake line attachments	X			
Torque caliper to spindle bolts	X			
Check front wheel rock guard mounting tabs	X			
Check ball joints for wear – pull up and down at ball joint	X			
Oil ball joints			X	
Replace ball joints				x
Torque ball joint to spindle nuts – 60 ft lb	X			
Measure Camber - .5 negative at top using builders square	X			
Torque ball joint to a arm nuts and bolts – 75 ft lb	x			
Check tie rod ends for wear – grab and move up and down	x			
Replace tie rod ends				X
Check toe – 3/16 inch in per side using string method	X			
Inspect a arms for bends and cracks	X			
Torque a arms to frame bolts – 32 ft lb	X			
Check upper a arm for bushing wear	X			
Replace upper a arm bushings			X	
Replace lower a arm bushings				X
Grease a arm bushings		X		
Check shock end bearings for wear	X			
Lube shock bearings		X		
Replace shock bearings				X
Inspect shock for leaks or external damage	X			
Check shock action – push up and down on the quad	X			
Rebuild shocks			X	
Check ride height	X			
Torque Upper shocks bolts to 32 ft lb	X			
Torque Lower shock bolts to 40 ft lb	X			
Install shock covers	X			

Torque tie rod end to spindle nuts – 32 ft lb	X			
Torque tie rod end to steering stem nuts – 32 ft lb	X			
Verify cotter pins in all 4 tie rod ends	X			
Torque tie rod end to tie rod nuts – 32 ft lb	X			
Torque bumper bolts – 22 ft lb	X			
Check steering stabilizer linkage bushings for wear	X			
Check steering stabilizer for leaks	X			
Check steering stabilizer linkage angle to mounts – 90 degrees	X			
Check steering stabilizer for sufficient dampening – adjust or rebuild as needed	X			
Rebuild steering stabilizer				X
Torque steering stabilizer mount bolts – 6mm – 100 in lb	X			
Torque steering stabilizer mount bolts – 8mm – 22 ft lb	X			
Torque steering stabilizer linkage bolts – 90 in lb	X			
Check steering stabilizer linkage for free movement	X			
Check lower steering stem bearing		X		
Replace lower steering stem bearing				X
Check upper steering stem bushing for free movement – loose is good	X			
Replace upper steering stem bushing				X
Torque Lower Steering stem Nut – 70 ft lb				X
Verify Steering stem cotter pin	X			
Inspect steering flag for bends , cracks, or any damage	X			
Inspect steering stops for bends or cracks	X			
Inspect key switch for smooth operation and free from dirt	X			
Inspect kill switch for correct operation	X			
Replace Kill switch			X	
Remove front plastic and inspect all wiring	X			
Clean out on/off bar switch	X			
Replace on/off switch				X
Clean and inspect radiator	X			
Check coolant level – diagnose problem if low!!!!	X			
Install front plastic with correct fasteners – torque to 80 in lb	X			
Use correct coolant to set coolant level in recovery bottle	X			
Inspect coolant hose from radiator to rezy	X			
Inspect Coolant hose from overflow at rezy – verify that its open	X			
Inspect coolant fan for free movement	X			
Inspect coolant fan for turning on at the correct temp		X		
Inspect all coolant hoses for wear or any other damage	X			
Inspect hose clamps – replace any that have been overtightened	X			
Torque engine mount bolts to 34 ft lb	X			
Torque exhaust bolts at head to 20 ft lb	X			
Inspect header flange for warpage	X			
Torque exhaust mounting bolts to 22ft lb	X			
Inspect exhaust clamp	X			
Inspect for exhaust packing burnout	X			
Repack exhaust			X	
Inspect Clutch Fibres	X			

Replace Clutch Fibres	X			
Replace clutch Steels				X
Replace clutch springs				X
Replace Cutch Bolts			X	
Torque Clutch bolts to 80 in lb	X			
Torque clutch cover bolts to 80 in lb	X			
Change engine oil	X			
Replace oil filter			X	
Inspect oil and filter for debris	X			
Torque oil drain bolt to 30 ft lb	X			
Replace crush rings			X	
Check valve clearance if engine ingested dust or mud – check intake tube	X			
Check valve clearance			X	
Replace valves – anytime they are too tight after a race				X
Replace top end			X	
Replace timing chain				X
Measure rod rock- replace crank if over .060				X
Inspect engine for leaks or damage	X			
Inspect coil to plug grip	X			
Replace coil				X
Install coil hold down foam	X			
Inspect fuel tank for leaks, cracks, or wear	X			
Inspect fuel tank for dirt	X			
Flush out fuel tank			X	
Inspect foot pegs for damage	X			
Replace foot pegs				X
Torque foot peg bolts to 34 ft lb	X			
Torque Swingarm bolt to 65 ft lb	X			
Remove and lube swingarm bolt			X	
Replace swingarm bearings				X
Inspect heel guards for damage	X			
Torque heel guard mounting bolts	X			
Torque brake lever to frame bolt to 32 ft lb	X			
Inspect brake pedal for damage	X			
Inspect brake pedal for height adjustment – level	X			
Torque Master Cylinder bolts to 90 in lb	X			
Inspect rear brake line for damage and that it is secured	X			
Inspect rear hub to axle fit – repair if loose	X			
Inspect rear hub nut cotter pin	X			
Torque rear hub nut			X	
Inspect axle for damage and bends	X			
Inspect axle nut – torque to 70 ft lb			X	
Tape Axle nut			X	
Inspect axle nut tape	X			
Torque rear brake banjo bolt to 22 ft lb	X			
Torque rer caliper to mount bolts to 22 ft lb	X			

Inspect rear brake pads for wear	X			
Replace rear brake pads				X
Torque Sprocket bolts to 32 ft lb	X			
Inspect chain and sprockets for wear	X			
Install new sprockets			X	
Install prestretched chain			X	
Adjust chain – tight at its tightest point in the travel	X			
Torque swing arm pinch bolts to 22 ft lb	X			
Torque rotor bolts to 22 in lb			X	
Inspect rotor guard for damage	X			
Torque Rotor Guard bolts to 22 ft lb	X			
Check axle bearings	X			
Replace axle bearings			X	
Inspect grab bar for damage	X			
Inspect rear fender for damage	X			
Torque rear fender mount bolts to 90 in lb	X			
Inspect seat latch for wear or damage	X			
Replace seat latch			X	
Inspect Seat cover	X			
Inspect subframe for damage	X			
Torque subframe bolts to 40 ft lb				X
Inspect airbox for damage	X			
Torque airbox mounting bolts to 90 in lb	X			
Spray air filter with Fab 1	X			
Spray inside of airbox with Fab 1	X			
Inspect air filter installation for no air leaks	X			
Inspect intake boot and clamps for damage	X			
Inspect Carb for fitment to engine and intake tube	X			
Verify 4 - 3/8 inch holes in back of airbox are open	X			
Charge Battery	X			
Replace Battery				X
Inspect Battery Ground cable for damage	X			
Replace Battery Ground Cable				X
Inspect Battery Positive Cable for Damage	X			
Replace Battery Positive Cable				X
Inspect Wire Harness for damage	X			
Pad Wire Harness at frame locations				X
Replace wire harness				X
Torque and loc tight battery cable to battery connections – 50 in lb				X
Torque Upper Shock Bolt – 50 ft lb	X			
Check rear shock action and inspect for leaks or damage	X			
Rebuild rear shock			X	
Grease Linkage bearings		X		
Repalce linkage bearings			X	
Grease Swingarm bearings			X	
Replace swingarm bearings				X

Inspect shift lever for damage or wear	X			
Replace shift lever				X
Replace shift shaft				X
Inspect rear skid plate for damage	X			
Replace rear skid plate				X
Torque and loc tight skid plate bolts – 22 ft lb			X	
Inspect clutch arm for wear, leaks, or damage	X			
Torque Bar clamp bolts to 22 ft lb	X			
Check bar mounted controls for damage, wear, and interference	X			
Replace bar mounted controls				X
Check kill switch operation	X			
Replace kill switch				X
Clean starter button		X		
Wire Grips		X		
Install new grips			X	
Adjust clutch cable	X			
Replace clutch cable			X	
Check throttle cable	X			
Replace throttle cable			X	
Check brake fluid level	X			