

2008 Buell Ulysses XB12X Engine Rotation Chart

See page 3-7 of Manual 99490-08Y

Manual Page	Wrench Type	Size	Part Description	Torque	Notes	
3-13	Box	10 mm	Battery Terminals (Phillips)	72-96 in-lbs	Too much torque?	
2-115	Torx	T27	Intake Cover	12-36 in-lbs		
4-3	Torx	T27	Air Intake Baseplate	84-120 in-lbs		
2-142	Torx	T27	Left & Right Air Scoops	12-36 in-lbs		
4-9	Hex	3/16	Ignition Coil	120-144 in-lbs	Page 2-87 calls for loctite 272 (red) on Coil bolts?	
6-23	Hex	3/8	Rear Axle Pinch Bolt	40-45 ft-lbs	Loosen Rear Axle 15 Turns to loosen Belt	
6-23	Socket	7/8	Rear Axle (with adapter)	23-27 ft-lbs	> Back off 2 full turns then retighten to 48-52 ft-lbs	
2-113	Torx	T27	Sprocket Cover Bolts	12-36 in-lbs	Loctite 222 (purple) Long Bolt Only	
6-23	Socket	9/16	Idler Pulley Bracket Nuts	33-35 ft-lbs		
2-144	Torx	T27	Chin Fairing Bolts	36-48 in-lbs	Loctite 271 (red)	
4-37	Hex	1/4	Front Muffler Mount	192-216 in-lbs	= 16-18 ft-lbs	
4-37	Socket	7/16	Front Muffler Strap	108-120 in-lbs	> Back off 2 full turns then retighten to 108-120 in-lbs	
4-37	Socket	7/16	Rear Muffler Straps	48-60 in-lbs	Always Use <u>NEW</u> Front Muffler Strap and Torca Clamp	
4-37	Socket	9/16	Torca Clamp	45-50 ft-lbs		
2-111	Hex	3/16	Footpeg Bracket Mount Bolts	132-144 in-lbs		
3-12	Hex	3/16	"V" Bracket to Frame	120-144 in-lbs		
3-11	Socket	7/16	Center Tie Bar (Heim joint) to Engine	25-27 ft-lbs		
3-11	Socket	7/16	Rear Tie Bar (Heim joint) to Frame	25-27 ft-lbs		
3-11	Hex	5/16	Rear Isolator Bolt	25-27 ft-lbs		
3-11	Hex	3/8	Front Isolator Bolt	49-51 ft-lbs		
3-11	Hex	3/8	Front Isolator Mounting Bolts	49-51 ft-lbs		
3-12	box	10 mm	Throttle Cables & Jam Nuts	36-40 in-lbs		Watch these or they <u>will</u> break! (Loosen or Remove)

Rotate (Lower) Engine Down on Jack (watch those throttle cables)

4-36	Socket	1/2	Header Nuts	72-96 in-lbs	Tighten Gradually Keep Exhaust Rings Flush to Engine
4-10	O ² Socket	7/8	Oxygen Sensor	40-45 ft-lbs	Anti-Seize Lubricant 98960-97, Permatex 133A