

Maintenance Schedule Honda BF 200 & BF 225					
For 2007 BF 225 BAGJ AK0 SN-15007XX			Helm		
Item	Part Number	Page	Notes		
Every 100 Hours					
Change engine oil	10W-30 FC-W	3-2	If long lay up or older engine - use Merc 25W-40 FC-W. 8.2 quarts with new filter.		
Change engine oil filter	15400-PLM-A01PE	3-3	Good substitute is NAPA Gold 1356		
Change gear case oil	90W Synthetic	3-4	Check magnetic plug for metal flakes. See note 10 below.		
Check throttle linkage. Adjust as needed		3-18			
Grease throttle cable contact points, rollers & cams		3-20	Also page 64 Owner's manual		
Grease shift control cable & cam		3-21	Also page 64 Owner's manual		
Check/adjust idle speed if needed		3-16	Normal is 650 +/- 50 rpm's at idle, engine warm		
Drain VST - lubricate drain screw with WD-40 spray.			Owner's Manual pages 78-79. Use clear jar and check for water and dirt		
Drain external fuel/water separator			Racor 10 micron		
Drain & clean on board fuel/water separator	16800-ZY3-003	3-12	Owner's Manual pages 72-73. Clean with gasoline or alcohol if needed.		
Drain & clean low pressure fuel filter bowl	16900-ZY3-003	3-10	Check for leaks		
Replace high pressure fuel filter & O ring	16911 ZY3-010	3-15	Be careful seating O ring - 16078-ZY3-000. Check by pressurizing system with fuel pump..		
Check that IAB is operational		5-113	Pull open with needle-nosed pliers and see if it snaps back. Also 5-116		
Check IAB vacuum diaphragm			Push in activation arm, seal tube connection with finger, let go. Should hold vacuum.		
Inspect all fuel lines for kinks, leaks, or rub wear		5-70	Especially check where fuel line passes through grommet to engine		
Pull spark plugs and inspect for good burn		3-5	Also pages 65-67 Owners manual. Should be milk chocolate brown		
Re-install spark plugs		3-5	Lightly grease threads with high heat grease		
Check external anodes for deterioration- clean contact surfaces			Page 72 Owner's Manual. Should be > than 50% original weight		
Bar anode on stern bracket	06411-ZW1-020	14-3			
Leg anodes	41109-ZW1-B00				
Check ground wire from bracket anode to bracket	40219-ZY3-013		Not shown in shop manual. Make sure present & connected. Clean contact surfaces.		
New grease in all zerk fittings		2-50	Also Page 64 Owner's manual		
Remove prop, check for fishing line & junk. Grease splines		12-2	Owners Manua page 75. Use new stainless steel cotter pin		
Check water intakes on lower leg for blockages					
Lightly spray exposed bolts, metal parts with rust inhibitor	CRC 6-56		WD-40 will also work.		
Top off fluid reservoir for tilt/trim			Automatic transmission fluid (ATF)		
Every 200 Hours					
Replace low pressure fuel filter	16901-ZY3-003	3-10			
Replace filter element in external fuel/water separator			10 Micron		
Check fuel pressure		5-69	41 - 48 psi at idle. Test at pressure relief bolt on top of HP filter cover		
Remove air vent line from top of VST and make sure not clogged		5-86	Air should easily blow through it.		
Check timing belt tension		3-22	Cold engine. Check idler pullys and tensioner pulley for wobble & corrosion		
Check alternator belt tension		3-24			
Check valve clearance		3-6	Adjust if necessary		
Remove, clean and test thermostats		3-9			
Clean out any corrosion in T-stat seating area			Use CLR or white vinegar		
Grease engine cover latches & cables		4-2	Also see pages 4-10 & 4-11		
Every 400 Hours					
Repalce spark plugs	NGK IZFR6F11	3-5	NGK Iridium-tipped only		
Replace thermostats	19300-ZY3-023	3-9			
Remove VST, clean it thoroughly, check needle valve & float		5-84	Review pages 5-84 thru 5-91		
Pull fuel pump and clean screen on bottom of insulator	16718-ZY6-013	5-85	Also 5-86 thru 5-93		
Replace fuel pump filter	16911-759-003		On main fuel line from HP fuel pump		
Replace fuel pump suspension strainer	16915-ZW5-000		On main fuel line from HP fuel pump		
Replace fuel filter mesh on port fuel rail	16614-P5G-003		Not in manual. See part # 4 in parts diagram of "Fuel Pipe + Injector"		
Change water pump	06193-ZY3-000	12-3	Not just impeller - but entire pump. Also see 12-13		
Check mid-shaft bushing while lower end off for water pump	40210-ZY3-610	12-8	Check for deformation or wobble. Remove & replace if questionable		

			C ring = 9052-ZY3-000. Flat washer = 9053-ZY3-610		
Remove & clean idle air control (IAC)		5-99	Also see 5-107		
HO2 sensor 4-prong connector. Unplug & clean contacts		5-100	Use electrical connector spray		
Pull, inspect & clean main connectors to ECU		5-9	26 pin, 34 pin & 12 pin. Use electrical connector spray		
Compression test	199 - 228 PSI	2-14	Fresh battery, plugs removed, throttle wide open, kill switch activated		
Every 800 Hours					
Replace four internal anodes	12155-ZV5-000	5-118	New screws & exhaust manifold gaskets needed		
Replace manifold gaskets		5-119	Right side gasket = 18115-ZY3-003 Left side gasket = 18125-ZY3-003		
Replace HP fuel pump insulator	16718-ZY6-013	5-89			
Inspect & clean all power cables from battery terminals forward.					
Every 1200 Hours					
Replace timing belt	14400-P8A-A02	6-15	6-15 thru 6-27		
Replace timing belt roller pulleys		6-23	A= 14550-ZY3-003 B= 14555-ZY3-003		
Replace timing belt tensioner pulley	14510-ZY3-003	6-23			
Replace Alternator belt	31638-ZY3-003	6-13			
Remove fuel injectors and have professionally cleaned & tested	16450-ZY6-003	5-74	Helm manual Pages 5-74 - 5-80		
Also replace O rings: 91301-PLC-000 and 91302-PNA-003					
Replace low pressure fuel pump	16700-ZY3-A01	5-94	And 5-95		
Replace fuel line from tank and primer bulb	17700-ZY3-010				
Additional Notes					
1. Parts listed are for this specific engine. May be different of other year/models. Check on www.boats.net					
2. www.boats.net has good diagrams, least expensive parts, and fast shipping					
3. SCS Service connector for pulling fault codes is PN #070PZ-ZY3-0100					
4. Whenever replacing bolts, lightly grease threads					
5. Wires to & from ECU shown on pages 5-10 to 5-13 of Helm manual					
6. To check fuel pressure, see page 5-69 in Helm manual. Must disconnect vacuum tube & clamp it.					
7. Resistance across fuel injector terminals = 11.1 to 12.3 ohms. Replace if out of spec.					
8. Test fuel pressure regulator, Page 5-73					
9. See page 5-103 to 5-106 for removing silencer case.					
10. After engine is well broken in, it is not necessary to change lower gear oil every 100 hours, as long as no metal flakes on magnetic plug bigger than talcum powder, and no sign of water incursion.					
11. Procedure for checking oil pressure is at 10-10 in Helm Manual. Need special adaptor.					
12. Fuse panel - page 2-20, 2-21					
13. At 1200 hours it is recommended that the end play in the crankshaft thrust bearing be checked					
Typically, you want to rely on a full service shop to do this. Maximum play = 0.019"					