

Maintenance Schedule Honda BF 200 & BF 225

For 2007 BF 225 BAGJ AK0 SN-15007XX

| Item | Part Number | Helm 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 | Note that flushing water does not normally get to t-stats. |
| Clean out any corrosion in T-stat seating area | | | Use CLR or white vinegar |
| New O rings for T-stats - 2 | 91356-SD4-952 | | |
| 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 as part of process | | 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. | | | Bend wires & check for "cracking" sound. Replace as needed | | |
| 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 = 0.0186 inches or 0.4 mm | | | | | |