

## FOX 15 SCHNEURLE BB MOTOR OWNER'S MANUAL

July, 1992

NOTE: The Fox 15BB has several special features that require handling differently from the motors to which you are accustomed. Please read these instructions before you attempt to operate the motor.

### GLOW PLUG

The Fox 15BB uses a short idle bar type plug only on the R/C model, and a short standard plug on the control line model.

### FUEL TO USE (MUST CONTAIN 20% CASTOR OIL)

We recommend Dukes Fuel or Missile Mist fuel, which we manufacture. In the event you use another brand of fuel, be aware that a fuel with synthetic oil should have enough castor oil added to bring it up to 20% content.

### BREAK IN

We recommend the first dozen runs or so be made with care to allow the parts to properly seat in. This will eliminate later overheating problems.

NOTE: We do not recommend that you try to free up the cylinder/piston fit with additional polishing or honing. It is designed with zero clearance.

### STARTING YOUR MOTOR

Mount your motor securely on a rigid mount that does not put a strain on the mounting lugs. Fuel supply should be positioned at a level no more than one-half inch above or below the fuel inlet on the carburetor. The fuel line should not be higher than the fuel level at any point.

### CARBURETOR SETTINGS

1. Close the throttle - adjust the idle stop screw (screw on top of the carburetor) so you can see a hairline opening in the intake with the throttle closed.
2. Holding the throttle closed, screw the low speed needle (one on the exhaust side) in until it is snug, then back out one full turn.
3. Screw the high speed needle in until it is snug, then back out three and one-half turns. Do not attempt to fine tune until you have at least one and one-half hours running time.

### DISASSEMBLY PROCEDURE

1. Remove the rear cover screws and the rear cover.
2. Remove the head screws and lift off the head clamp.
3. Lift off the head button.
4. Cylinder liner can then be lifted out. Be gentle, as the liner can be damaged with needle nose pliers.
5. With a pair of needle nose pliers, grasp the lower end of the connecting rod on each side of the crankpin. Pull the crankshaft forward with one hand and pull the connecting rod back with the pliers. It should snap right off.
6. Crankshaft can be removed through the rear of the crankcase.

### REPAIR POLICY

If your motor is sent to us for repair, please give us your Visa or Mastercard number and expiration date. Otherwise, the motor will be returned to you C.O.D.. Do not ask for an estimate, as the labor to take your motor apart and determine the amount of damage is the majority of time we spend on it. We can assure you that in no case will repairs exceed 50 per cent of the current list price of the motor. If no parts are needed, the minimum charge is \$10.00. If repair parts are needed, you will be charged the list price of the parts, and no labor charge will be added. For further information, feel free to call Fox Manufacturing Co., phone 501-646-1656.

**WARNINGS:**

1. ALWAYS KEEP HANDS FREE OF THE PROPELLER. IT CAN EASILY CUT OFF A FINGER.
2. DO NOT FLY IN ANY LOCATION WHERE YOUR MODEL MIGHT STRIKE PEOPLE OR DO PROPERTY DAMAGE.
3. DO NOT FLY NEAR POWER LINES.
4. A MODEL ENGINE CAN GET HOT ENOUGH TO CAUSE A SERIOUS BURN. ALLOW MOTOR TO COOL BEFORE HANDLING IT AFTER USE.

**PARTS LIST - FOX 15BB**

11701	Crankcase	20.00
11702	Cyl. Head Clamp	9.00
11646	Cyl. Head Button	6.00
11605	Cyl., Piston, Rod Assy.	24.00
11608	Crankshaft	16.00
11611	Rear Cover	8.00
11512	Prop Nut	2.00
11513	Prop Washer	2.00
11709	Thrust Washer	4.00
11614	Screw & Gasket Set	2.00
11742	Ball Bearing (Either	14.00
90242	Silencer	12.95
21750	Complete Carburetor	28.00

**CARBURETOR PARTS - R/C**

21759	Barrel & Housing	18.00
23662	Idle Stop Screw	3.00
21763	Low Speed Needle	2.00
21764	High Speed Needle	2.00
24066	Servo Arm	2.50
24067	Friction Clip (Pair)	2.50
21670	Knurled Nut	2.00
2177	Jet Assy W/Fuel Nipple	14.00
22072	Cam Screw	2.00
21973	Fuel Nipple	2.50
21775	Carb Screw & Gasket	2.00

**CONTROL LINE VENTURI**

11530	Venturi W/Needle Valve Assy.	10.00
11516	Needle Valve	2.00
11510	Needle Valve Assy	5.00
11532	Needle Valve Body, Clip & Nut	3.50
11531	Intake Casting Only	6.00

FOR SERVICE OR INFORMATION CALL OR WRITE

**FOX MANUFACTURING CO.**  
**5305 TOWSON AVENUE**  
**FORT SMITH, ARKANSAS 72901**  
**PHONE (501) 646-1656**