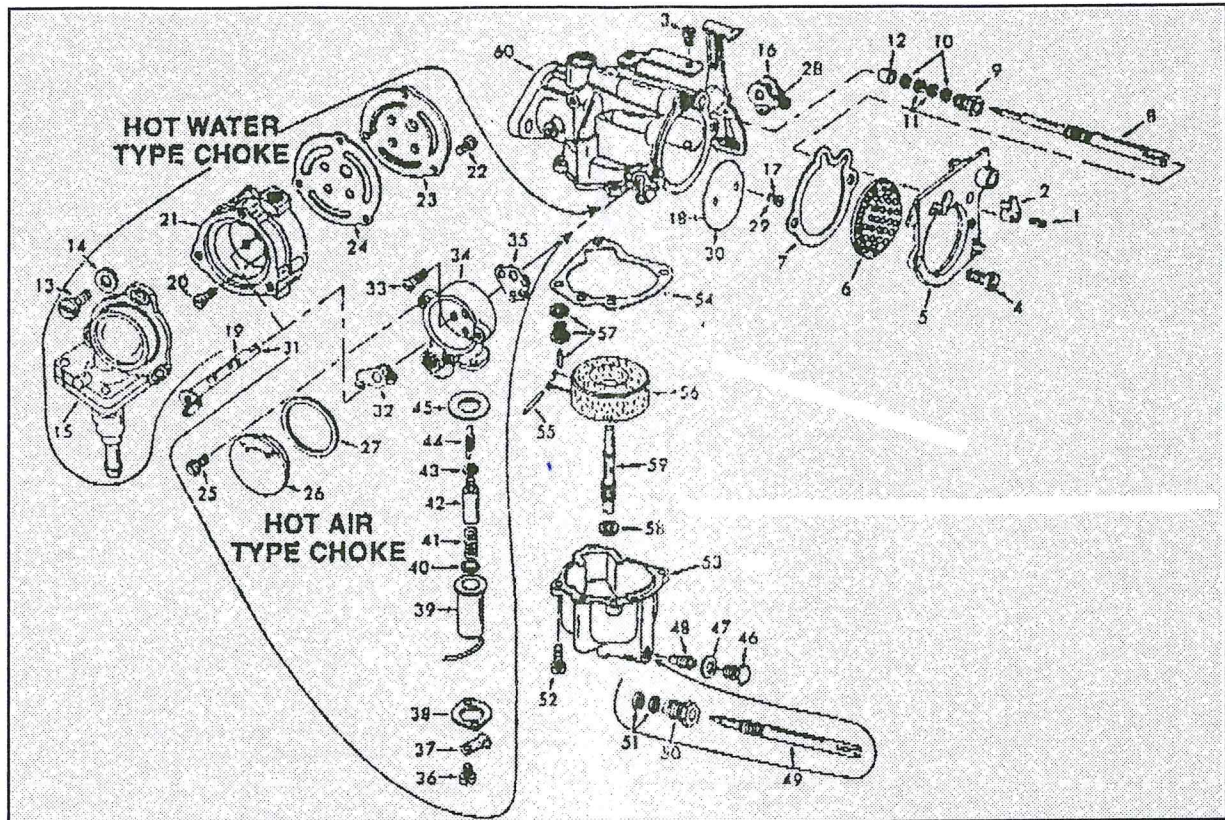


# INSTRUCTION SHEET

## Johnson-Evinrude - Off Engine Carburetor Service

### General Exploded View

The general design and parts shown will vary to individual units covered on this instruction sheet.



### Nomenclature

Ref. No.	Ref. No.
1. Screw - Adjustment Knob	30. Valve - choke
2. Knob - Slow Speed Adjustment	31. Choke Shaft & Arm Assembly
3. Screw - Panel	32. Lever - Choke Override
4. Screw (2) - Control Panel	33. Screw (3) - Choke Housing
5. Control Panel & Transfer Assembly	34. Choke Housing Assembly
6. Screw - Air Intake	35. Gasket - Choke Housing
7. Gasket - Control Panel (some Retainer)	36. Screw (2) - Solenoid Retainer
8. Needle Valve - Slow Speed	37. Clamp - solenoid Lead
9. Nut - Packing	38. Retainer - Solenoid
10. Washer - Packing	39. Solenoid
11. Packing	40. Guide - Solenoid Spring
12. Bushing - Needle Valve	41. Spring - Solenoid Plunger
Hot Water Type Choke	42. Plunger - solenoid
13. Screw (3) Stat Retainer	43. Washer - solenoid Plunger
14. Washer (3) - Stain Retainer Screw	44. Spring - Arm to Plunger
15. Stat Cover & Vacuum Diaphragm Assembly	45. Gasket - solenoid to Housing
16. Manual Choke Arm & Pin Assembly	46. Screw Plug - Fuel Passage
17. Screw & Lockwasher (2) - Choke Valve	47. Gasket - Screw Plug
18. Valve - choke	48. Jet - Main (some models)
19. Choke Shaft & Arm Assembly	49. Needle Valve - High Speed (some models)
20. Screw (3) - choke Housing	50. Nut - Packing (some models)
21. Choke Housing Assembly	51. Packing (some models)
22. Screw (3) - Choke Housing Cover	52. Screw (4) - Float Bowl
23. Cover - Choke Housing	53. Float Bowl
24. Gasket - Choke Housing Cover	54. Gasket - Float Bowl
Hot Air Type Choke	55. Pin - Float Hinge
25. Screw (3) - Stat Cover	56. Float & Lever Assembly
26. Stat Cover	57. Needle, Seat & Gasket Assembly
27. Gasket - Stat cover	58. Gasket - Carburetor Body
28. Manual Choke Arm & Pin Assembly	59. Nozzle - High speed
29. Screw & Lockwasher (2) - Choke Valve	60. Body Assembly - Carburetor

### Disassembly

Use exploded view as a guide. The numerical sequence may generally be followed to disassemble unit far enough to permit cleaning and inspection.  
**Note:** Staking must be Filed off choke plate screws (17 and 29) before removing.

### Cleaning

Cleaning must be done with carburetor disassembled. Soak parts long enough to soften and remove all foreign material. Use a carburetor cleaning solvent. Make certain the throttle bores are free of all carbon and varnish deposits. Rinse off in suitable solvent. Blow out all passages in castings with compressed air and check carefully to insure thorough cleaning of obscure areas. **Caution: Do not soak rubber parts, parts with decals (5), cork float (5-6). Stat cover assembly (15), or solenoid (39) in cleaning solvents.**

### Reassembly

Reassemble in reverse order of disassembly. **Note: Special instructions.**

### Special instructions

**Float setting** - Carburetor body inverted. Top of float should be flush or parallel with gasket surface of carburetor body. To adjust, carefully bend float lever.  
**Caution: Do not exert pressure on resilient needle valve.**

**High Speed Needle (49)** - Turn needle in lightly until seated. Then back out 3/4 turn, Final adjustment made on engine.

**Stat cover (15 and 26) installation** - Be sure stat sponge hook contacts choke shaft lever align index marks for setting.

**Slow speed needle installation and adjustment** - install bushing (12) tapered end in first, washer (10) . Packing (11), then washer (10) and nut (9). Turn needle in lightly until seated. Then back out 1 turn. Final adjustment made on engine.