

Instruction Sheet for Walbro[™] - WD (Page 2)

PROCEDURE FOR LEAN CARBURETOR

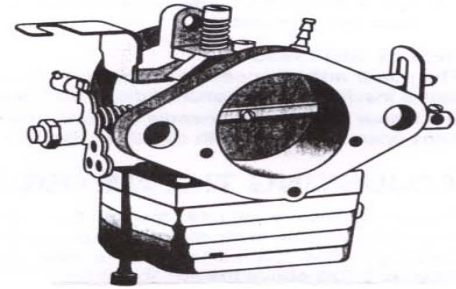
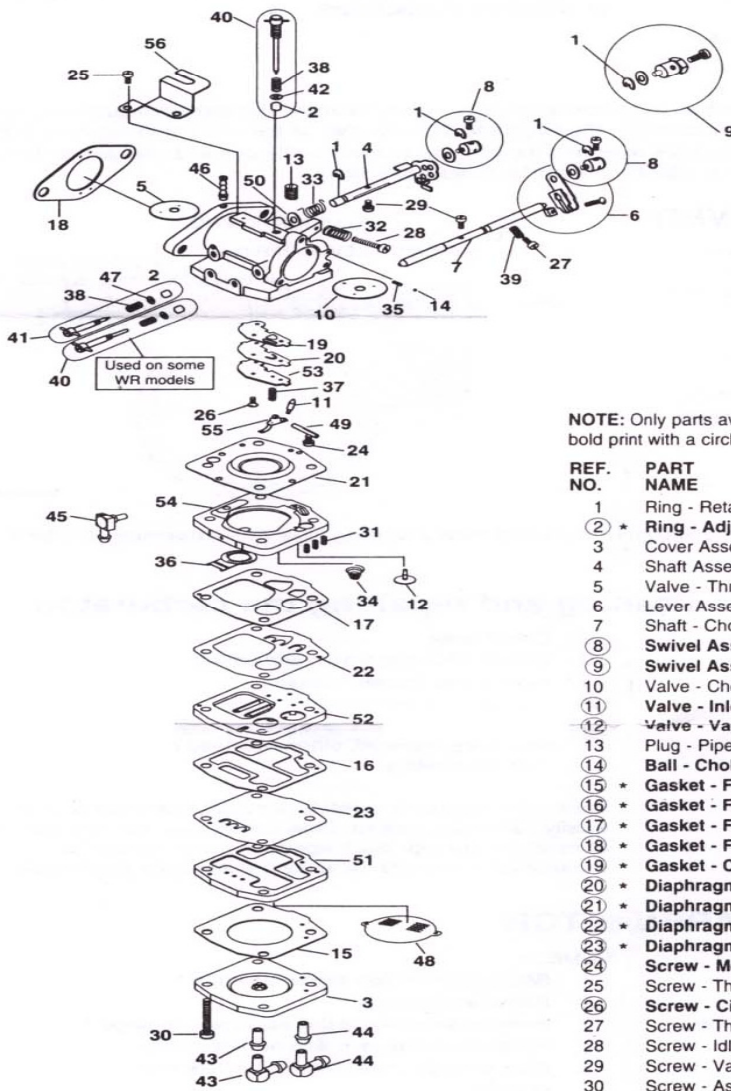
CAUSES

1. Dirt in idle fuel channels
2. Metering lever set too low
3. Leaky nozzle check valve diaphragm (32)
4. Hole in metering diaphragm
5. Pulse line plugged
6. Leaky manifold gaskets
7. Leaky diaphragm check valve
8. Fuel pump diaphragm check valve worn
9. Dirty fuel inlet screen
10. Faulty fuel delivery system to carburetor
11. Dirty inlet valve screen

REMEDY

1. Disassemble and clean carburetor
2. Set to specification shown on page 1
3. Replace diaphragm
4. Replace diaphragm
5. Clean
6. Replace gaskets
7. Replace diaphragm check valve assembly
8. Replace fuel pump diaphragm
9. Remove bottom plate and clean
10. Check fuel tank, lines, filters etc.
11. Unscrew pipe plug (ref. #13) next to idle screw. Carefully swab clean.

EXPLODED VIEW WDA, WDB, WD, WRA, WR, WRD SERIES



NOTE: Only parts available are those in bold print with a circle around the number.

REF. NO.	PART NAME	REF. NO.	PART NAME
1	Ring - Retaining (3)	31	Spring - Valve (3)
2	Ring - Adj. Packing	32	Spring - Idle Screw
3	Cover Assembly - Fuel Pump	33	Spring - Throttle Return
4	Shaft Assembly - Throttle	34	Spring - Pressure
5	Valve - Throttle	35	Spring - Choke Friction
6	Lever Assembly - Choke	36	Spring - Fuel Pump Leaf
7	Shaft - Choke	37	Spring - Metering Lever
8	Swivel Assembly	38	Spring - Power & Idle Needle
9	Swivel Assembly Hex Head	39	Spring - Throttle Cracker
10	Valve - Choke	40	Needle Assembly - Power
11	Valve - Inlet Needle	41	Needle Assembly - Idle
12	Valve - Vapor Pump	42	Retainer - O Ring
13	Plug - Pipe	43	Fitting - Fuel Inlet
14	Ball - Choke Friction	44	Fitting - Vapor Return
15	* Gasket - Fuel Inlet	45	Fitting - Impulse
16	* Gasket - Fuel Pump Check Valve	46	Fitting - Primer
17	* Gasket - Fuel Pump	47	Washer - Packing
18	* Gasket - Flange	48	Screen - Filter
19	* Gasket - Circuit Plate	49	Pin - Metering Lever
20	* Diaphragm - Circuit Plate	50	Bushing - Throttle Spring
21	* Diaphragm - Metering	51	Plate - Filter
22	* Diaphragm - Fuel Pump	52	Plate - Fuel Pump
23	* Diaphragm - Check Valve	53	Plate - Circuit
24	Screw - Metering Lever Pin	54	Plate Ass'y - Metering Diaphragm
25	Screw - Throttle Bracket	55	Lever - Metering
26	Screw - Circuit Plate	56	Bracket - Throttle Control
27	Screw - Throttle Cracker		
28	Screw - Idle Adj.		
29	Screw - Valve (2)		
30	Screw - Assembly (4)		

○ Contained in Repair Kit K1-WDR
* Contained in Gasket & Diaphragm Kit D1-WDR