



VM Series

Fox Distributing INC

If we don't have it it's not in the country.

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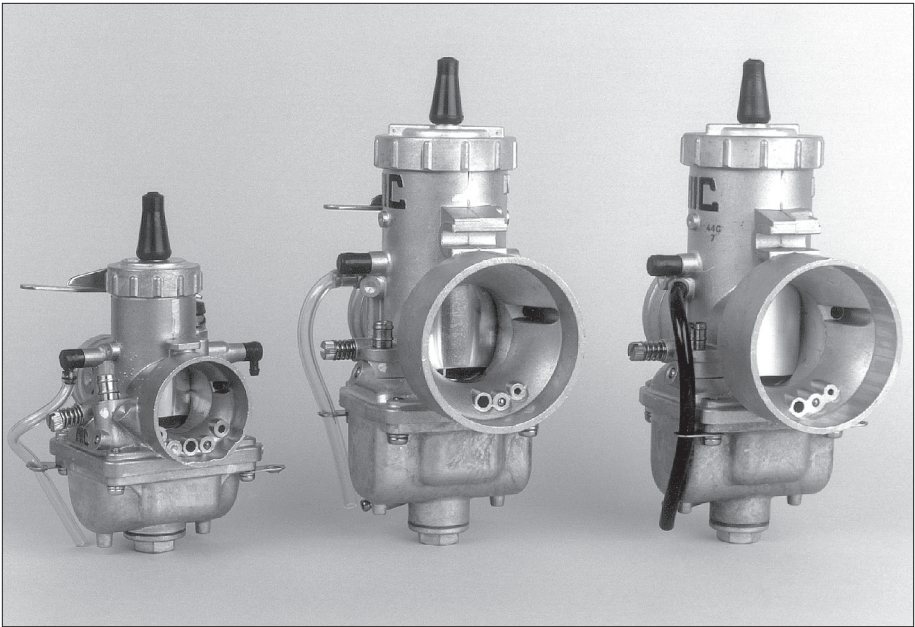
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St. Charles, IL 60174

(630) 513-9700

Proud distributor of Mikuni since 1987.





MIKUNI VM ROUND SLIDE SINGLE CARBURETORS

These are the most popular high performance singles carburetors in the sport of motorcycling. Mikuni's are proven as the performance standard for use in single cylinder motorcycle and ATV applications for motocross, enduro and trail riding, flat track racing and road racing on both 2-stroke and 4-stroke engines.

Performance features for the VM Series Carburetors include a large selection of bore sizes for increased fuel mixture flow to match engine modifications. And the VM Series offers a wide range of tuning components to allow precise fuel mixture metering in any application, at any throttle setting, under any riding condition.

ROUND SLIDE SINGLES MIKUNI CARBURETOR STANDARD SPECIFICATIONS

CARB NO.	SIZE (MM)	MAIN JET (4/042)	PILOT JET (VM22/210)	NEEDLE JET (Series No.)	JET NEEDLE	THROTTLE VALVE (Part No.)	MAIN AIR JET (Part No.)	NEEDLE VALVE (Part No.)
VM16-519*	16	70	25 (VM22/210)	D-8 (VM16/67)	3DJ3	2.5 (VM16/137)	0.5 (BS30/97)	3.3 (VM34/39)
VM18-144*	18	80	30	O-0 (145)	4F18	3.0 (VM18/158)	2.5 BODY	1.5 (VM15/172)
VM20-273*	20	180	22.5 (M28/1001)	O-6 / N-6 (239) (332)	4J13	2.0 (VM20/491)	0.5 (VM13/04)	1.5 (VM15/172)
VM22-133*	22	100	30	N-8 (257)	4D20	2.0 (VM26/21)	2.5 BODY	2.0 (VM26/26)
VM24-512	24	210	40	N-8 (864)	5L14-4	1.5 (VM26/21)	0.8 (MD13/24)	2.0 (VM26/26)
VM26-606	26	190	22.5 (M28/1001)	O-0 (332)	5E75	1.5 (VM24/361)	0.5 (VM13/04)	2.5 (VM26/26)
VM26-8074	26	190	60	N-8 (182)	5F21	2.0 (VM28/56)	0.5 (BS30/97)	2.5 (VM26/26)
VM30-83	30	250	40	P-5 (159)	6F5	2.5 (VM34/110)	2.0 (BS30/97)	3.3 (VM34/39)
VM32-193*	32	200	35	Q-6 (159)	6DP17	3.0 (VM32/65)	2.0 (BS30/97)	3.3 (VM34/39)
VM32-33	32	200	35	Q-6 (159)	6DP17	3.0 (VM34/110)	2.0 (BS30/97)	3.3 (VM34/39)
VM34-168*	34	260	35	Q-2 (159)	6DH4	2.5 (VM34/110)	2.0 (BS30/97)	3.3 (VM34/39)
VM34-275*	34	260	35	Q-2 (159)	6DH4	2.5 (VM32/65)	2.0 (BS30/97)	3.3 (VM34/39)
VM36-4	36	310	35	Q-5 (159)	6FJ6	2.5 (VM36/36)	2.0 (BS30/97)	3.3 (VM34/39)
VM38-9	38	330	30	Q-2 (166)	6DP1	2.5 (VM38/24)	0.5 (BS30/97)	3.3 (VM34/39)
VM44-3	44	310	35	AA-5 (224)	7F7	2.5 (VM44/23)	0.5 (BS30/97)	3.3 (VM34/39)

- *NOTES:

 - VM18-144, VM16-159, CLAMP ON TYPE
 - VM20-273, YSR50 FLANGE TYPE
 - VM22-133, FLANGE TYPE
- VM32-193, RIGHT SIDE IDLE SCREW (MATCH TO VM32-33)
 - All VM26 thru VM44mm, SPIGOT TYPE

- VM34-168, 11.5 MM. BELL, LG. FUEL INLET
- VM34-275, RIGHT SIDE IDLE SCREW (MATCH TO VM34-168)

VM18-144 Exploded View

- No. Description

Part Number
1. RUBBER CAP, THROTTLE CABLE

VM18/67
2. CABLE ADJUSTER

M21/14
3. NUT, CABLE ADJUSTER

B30/247
4. TOP, MIXING CHAMBER

VM16/40
5. SPRING, THROTTLE VALVE

VM18/170
6. CLIP, JET NEEDLE RETAINING

VM18H1/38
7. E-RING, JET NEEDLE POSITIONING

VM20/369
8. JET NEEDLE

J8-4F18
9. THROTTLE VALVE (SLIDE)

VM18/158-3.0
10. RUBBER CAP, STARTER PLUNGER

VM20/455
11. FITTING, STARTER PLUNGER

VM20/456
12. SPRING, STARTER PLUNGER

VM16/42
13. STARTER PLUNGER

VM18/144
14. SPRING PLATE, STARTER LEVER

VM18/151
15. STARTER LEVER

VM18/215
16. WASHER, STARTER LEVER

BV26/118
17. NUT, CLAMP BOLT

N1=05
18. SEALING RING, RUBBER

VM18/326
19. RING, INSULATOR

VM18/327
20. PILOT JET

VM22/210-30
21. NEEDLE JET

VM15H1/17-0-0
22. MAIN JET

4/042-80
23. GASKET, FLOAT BOWL

VM17/161
24. FLOAT BOWL

VM18/161
25. SCREW, FLOAT BOWL

CW2=0414
26. AIR ADJUSTING SCREW

VM20/305
27. SPRING, AIR ADJUSTING SCREW

VM15/112
28. SPRING, IDLE ADJUSTING SCREW

VM15/112
29. IDLE ADJUSTING SCREW

VM18/164
30. BOLT, CLAMP

VM16/65
31. WASHER, NEEDLE VALVE

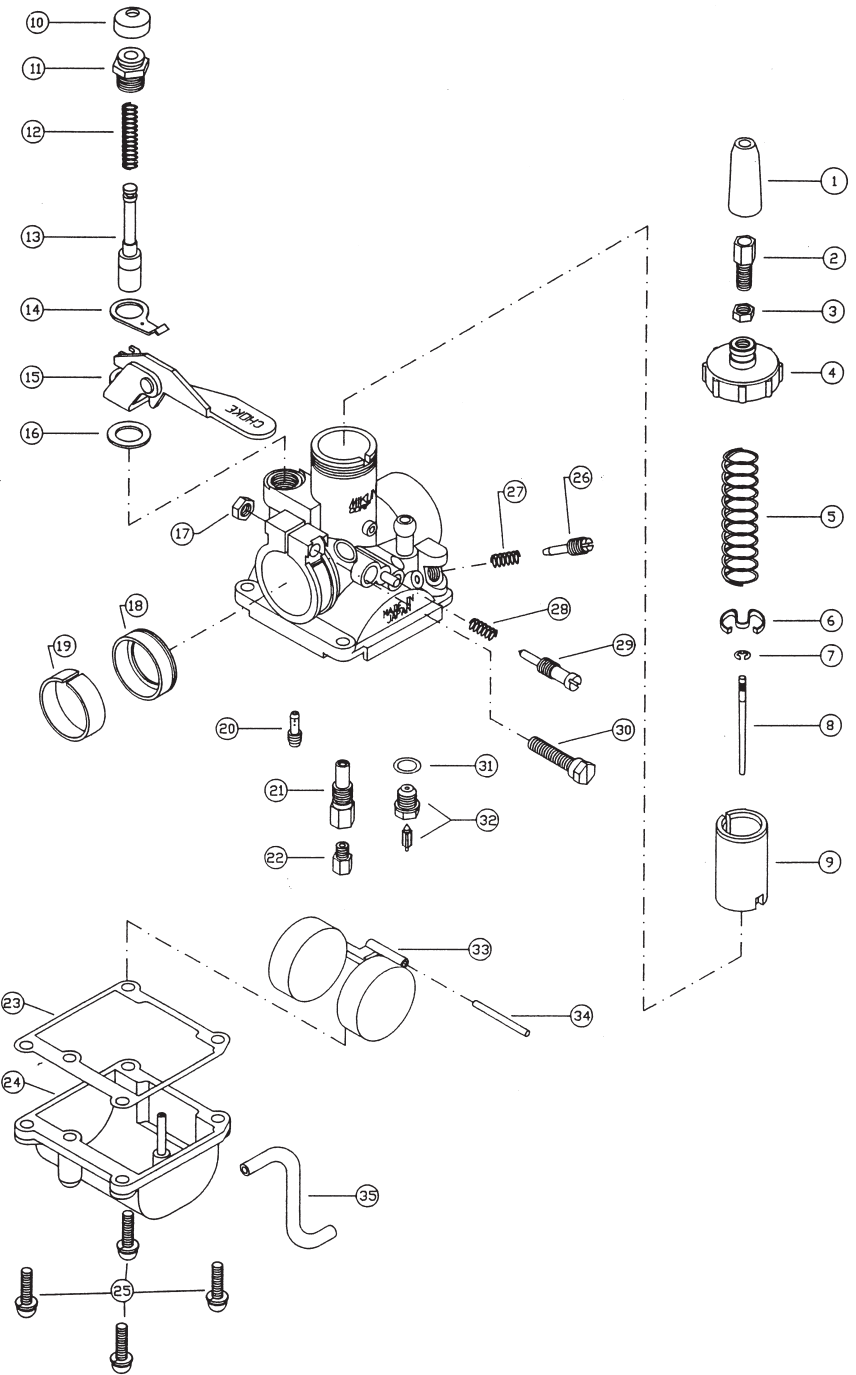
VM15/07
32. NEEDLE VALVE & SEAT ASSY.

VM15/172-1.5
33. FLOAT

VM17/159
34. PIN, FLOAT

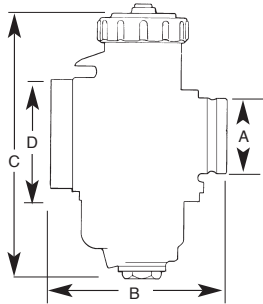
BV26/22
35. HOSE OVERFLOW

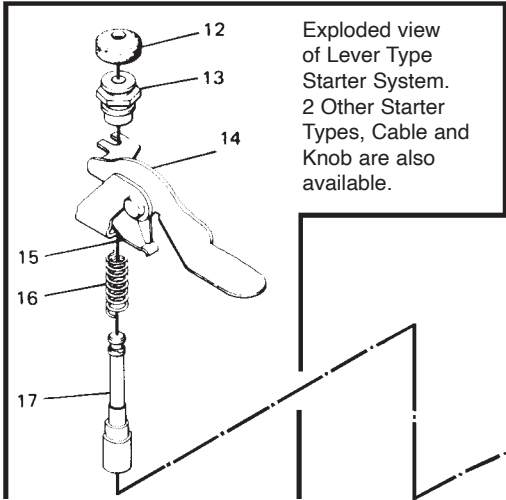
VM13/06



VM SERIES ROUND SLIDE CARBURETOR DIMENSIONS(mm)

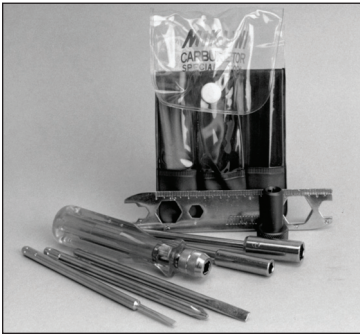
MODEL	VM18	VM20	VM22	VM24	VM26	VM30	VM32	VM34	VM36	VM38	VM44
A	CLAMP ON 22 ID	FLANGE 50.8 BOLT CTR	FLANGE 49 BOLT CTR	35	35		40		43		52
B	67	66	85	80	93	93	102	93		116	
C	108	115	114	116	122	137	142	137	152	154	193
D	32	43	43	43	44		58		62		70
TOTAL WIDTH	61	76.5	82	82	82		83			79	





Exploded view of Lever Type Starter System. 2 Other Starter Types, Cable and Knob are also available.

Mikuni VM Spigot Mount Carburetor Exploded View

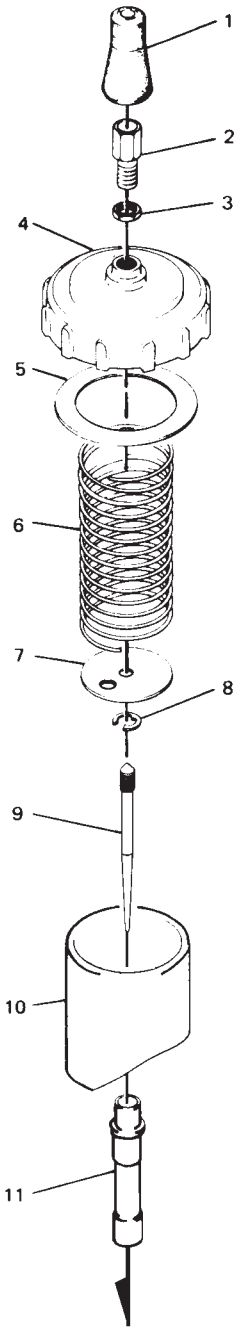
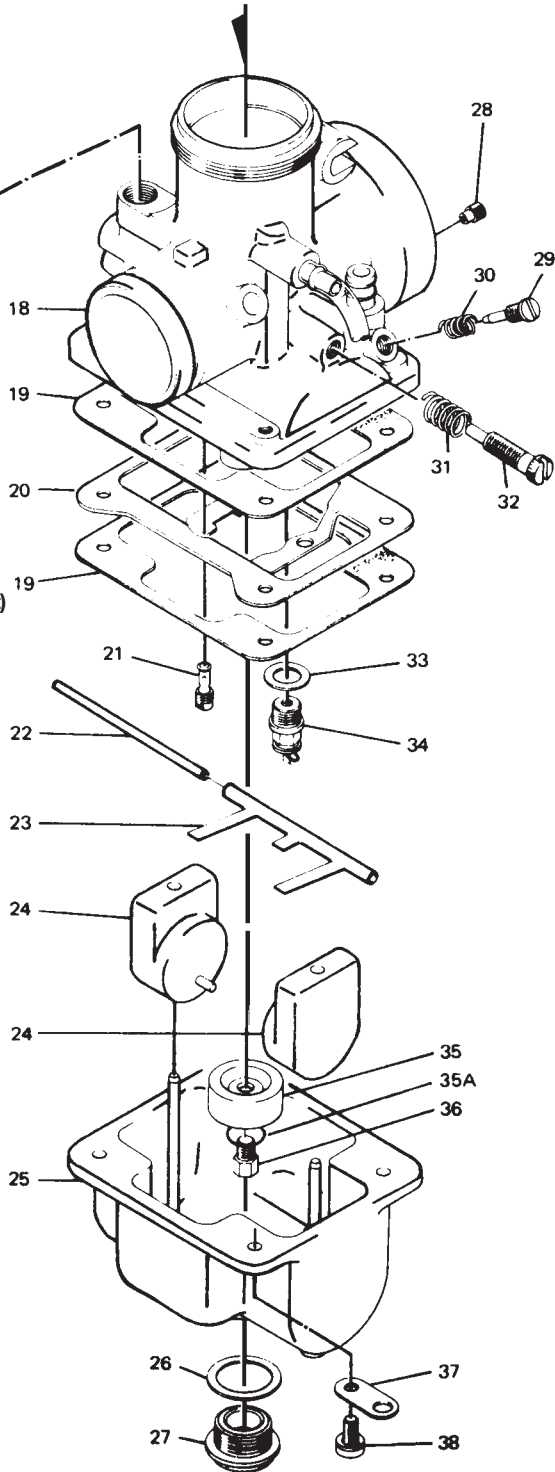


MK-404 Carb Tool Kit
 MK-403/1 Main Jet Hex Tool (included in Kit)



VM26 Rebuild Kit Part No. MK-606

Kit Parts	Description
VM26/26	Needle Valve Seat 2.5
VM26/25	Washer, Needle Valve
VM20/492	Bowl gasket
BN042.64	Drain Plug Gasket
VM14/73	Air Screw
VM14.75	O-Ring, Air Screw
VM15/11	Spring, Air Screw
603-16002	Idle Screw
BV32/04	O-Ring, Idle Screw
VM26/197	Spring, Idle Screw
VM20/369	E-Clip, Jet Needle
VM26/57	Gasket, Top Cover
VM26/46	Rubber Cap, Cable Guide
CW2=0416	Float Bowl Screws (4)



Main Jet Extender
 VM38/09 (Hex)



VENT HOSE
 VM14/49

ITEM NUMBER and DESCRIPTION	VM26	VM28	VM30	VM32	VM34	VM36	VM38	VM40	VM44
1. RUBBER CAP, throttle cable				↔ VM26/46 ↔					
2. CABLE ADJUSTER				↔ M21/14 ↔					
3. LOCKNUT, cable adjuster				↔ B30/247 ↔					
4. TOP, mixing chamber	VM26/56			VM34/27		VM36/09		VM44/05	
5. GASKET, mixing chamber top	VM26/57			VM34/29		VM36/06			
6. SPRING, throttle valve	VM28/257		VM34/50		VM34/55			VM44/13	
7. PLATE, spring seat	VM28/132			VM34/31		VM35/09		VM44/09	
8. CLIP, needle positioning				↔ VM20/369 ↔				BS32/126	
9. NEEDLE	#5 Series			#6 Series				#7 Series	
10. THROTTLE VALVE (SLIDE)	VM28/56			VM34/110		VM36/36	VM38/24	VM40/02	
11. NEEDLE JET	VM28/86(182)	VM30/38(169)		VM34/05 159		VM34/17(166)		VM44/10(224)	
12. RUBBER CAP, starter plunger				↔ VM20/455 ↔					
13. FITTING, starter plunger	VM26/116					VM20/456			
14. LEVER, starter	VM28/135 VM28/497			VM28/124		VM32/53		VM36/58	
15. SPRING PLATE, starter level	VM26/09					VM32/17			
16. SPRING, starter plunger				↔ VM16/42 ↔					
17. PLUNGER, starter						VM18/144			
18. BODY, mixing chamber									
19. GASKET, float bowl	VM28/129		VM30/103 999-631-010			VM36/20		VM36/20	
20. BAFFLE PLATE, float bowl			VM34/72			VM36/40		VM44/12	
21. PILOT JET			↔ VM22/210 ↔						
22. PIN, float arm hinge			↔ BV26/22 ↔						
23. ARM, float	VM28/166			VM34/73				VM36/15	
24. FLOAT	VM28/164			VM34/61				VM24/236	
25. BOWL, float				VM34/68				VM36/07	VM44/04-80
26. WASHER, main jet plug	VM28/134			4/053				VM28/134	
27. DRAIN PLUG, float bowl	VM28/133			VM34/42		VM28/253	VM38/08	VM28/133	
28. AIR JET				↔ BS30/97 ↔					
29. AIR ADJUSTING SCREW				↔ VM20/214 ↔					
30. SPRING, air adjusting screw				↔ M12F/46A ↔					
31. SPRING, idle adjusting screw				↔ M20/11 ↔					
32. IDLE ADJUSTING SCREW	VM24/224	VM28/142	VM24/224			VM22/171		VM24/224	
33. WASHER, needle valve	VM26/25			B34/52 0.8, 1.0					
34. NEEDLE VALVE & SEAT ASSY.	VM26/26			VM34/39					or VM38/11-3.5
35. RING, main jet	VM28/228		VM36/17					VM28/228	
36. MAIN JET				↔ 4/042 ↔					
37. PLATE, vent tube anchor	VM15/164			↔ VM28/79 ↔					
38. SCREW, float bowl	CW2=0416			CW2=0518		CW2=0516		CW2=0518	