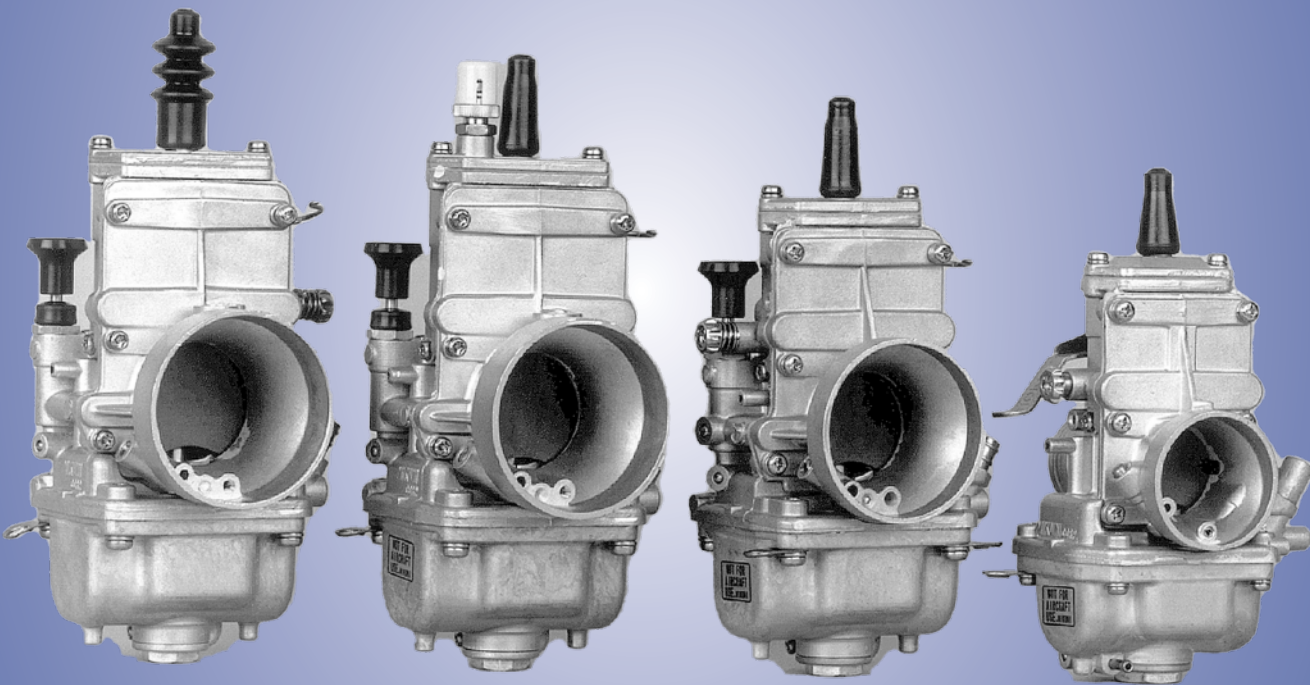


TM Series

Fox Distributing INC

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



Fox Distributing INC

PO Box 1126 / 3N 650N 17th St.

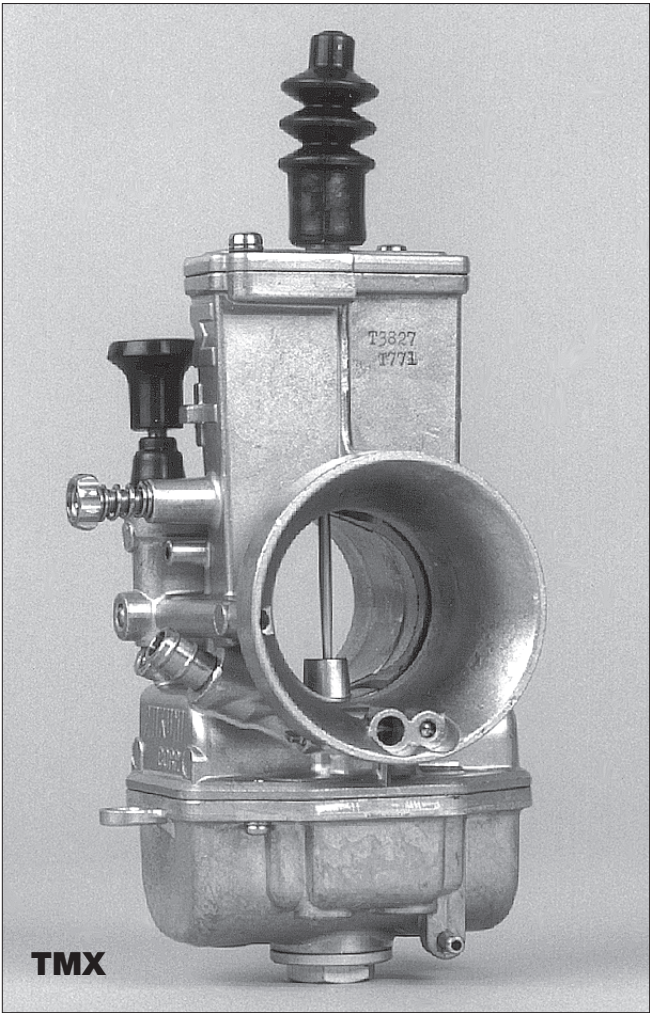
St. Charles, IL 60174

(630) 513-9700

Proud distributor of Mikuni since 1987.



TMX Series Carbs



TMX35/38mm CARBURETORS FOR DIRT BIKES and ATVs

The TMX features a flat slide design in a smooth bore venturi to provide improved throttle response and wider powerband. The float system with independently moving floats, working with a main jet enclosed in a baffle chamber, allows the TMX to perform smoothly without hesitation on the roughest terrain. TMX Series Carburetors are available in 35mm bore sizes for 125cc race engines, and in 38mm bore sizes for use on 250cc race engines.

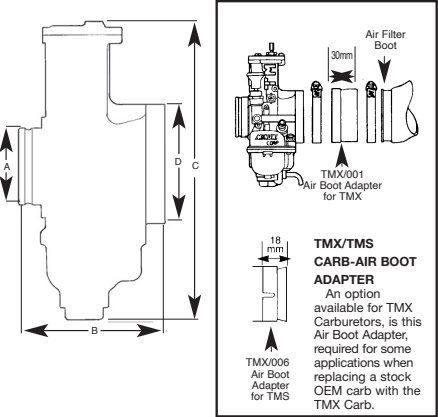
STANDARD SETTINGS

CARB NO.	MAIN JET 4/042	PILOT JET VM22/210	JET NEEDLE	THROTTLE VALVE
TM35-1 *(Kit No. TMX35-1-k)	350	20	6EN11-53	999-832-014-6.0
TM38-18 *(Kit No. TMX38-18-k)	370	20	6EJ12-55	999-832-014-3.5
TM38-27 *(Kit No. TMX38-27-k)	370	20	6EJ12-55	999-832-014-3.5

*NOTE: COMPLETE KIT INCLUDES AIR BOOT ADAPTER, INNER THROTTLE CABLE WIRE, CABLE END, MAIN JETS, PILOT JETS, JET NEEDLE, CLAMPS, HOSE AND INSTRUCTIONS.

Mikuni TMX Series Carburetors are intended for off-road riding and racing use only. Not legal for sale or use in California or other locations where similar pollution laws may apply.

TMX/TMS SERIES CARBURETOR DIMENSIONS (mm)



MODEL	TMX35 -1	TMX38-27	TMX38-18
DIMENSION			
A	40	44	47
B		76	
C		164	
D		62	
TOTAL WIDTH		76	

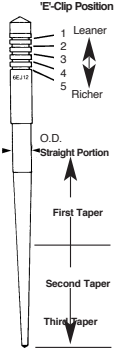
IMPORTANT TUNING CHARACTERISTICS

JET NEEDLE

The Jet Needle is the tapered rod that is positioned in the throttle valve by the 'E'-Clip. The taper of the needle increases the clearance between the Jet Needle and the fixed Needle Jet outlet as the throttle is opened. As the air flow volume increases past the throttle slide, the fuel volume is also increased to maintain the correct air/fuel ratio.

NEEDLE 'E'-CLIP POSITION

The position of the 'E'-Clip in the Jet Needle is used to correct or change the air/fuel ratio between 1/4th and 3/4th throttle valve position. The 'E'-Clip can be raised or lowered on the Jet Needle. To richen the fuel mixture the 'E'-Clip is lowered on the Jet Needle, raising the Jet Needle. To lean the fuel mixture the 'E'-Clip is raised on the Jet Needle.



JET NEEDLES

To correct the fuel mixture at 1/8th to 1/4th throttle slide position it may be necessary to change the Jet Needle. The Jet Needle will have a series of numbers stamped on it.

Example: 6EJ12-55. The numbers 55 indicate that the outside diameter (O.D.) of the Jet Needle is 2.55mm. A smaller O.D. number gives a richer mixture. A larger O.D. number gives a leaner mixture. Typical Jet Needles available:

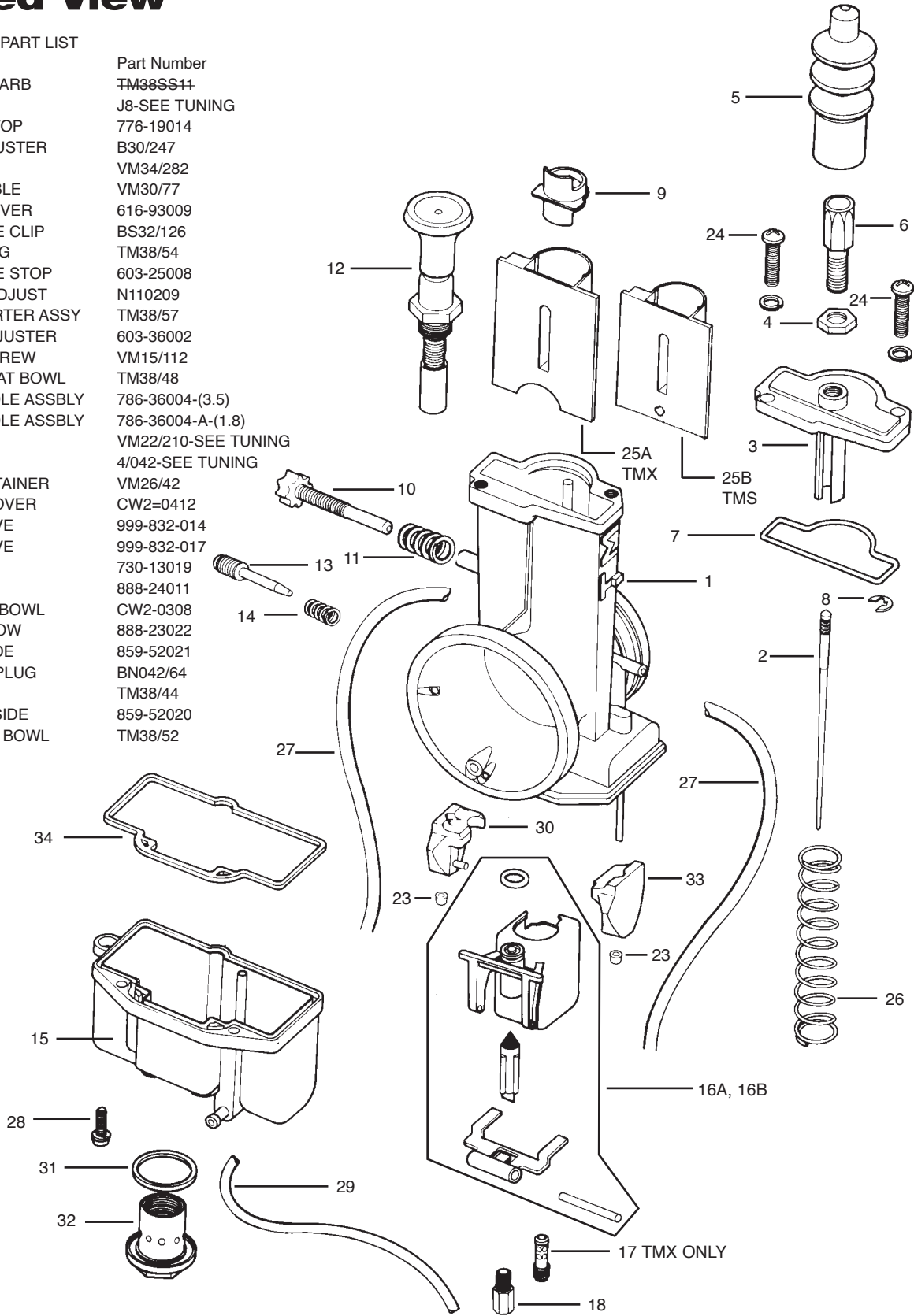
TMX35	TMX38
6EN11-58 Leaner	6EJ12-60 Leaner
6EN11-57	6EJ12-59
6EN11-56	6EJ12-58
6EN11-55	6EJ12-57
6EN11-54	6EJ12-56
6EN11-53	6EJ12-55
6EN11-51 Richer	6EJ12-54
	6EJ12-53 Richer

Parts

TMX35/38 Series Exploded View

MIKUNI TMX SERIES PART LIST

No.	Description	Part Number
1.	MIXING BODY CARB	TM38SS41
2.	JET NEEDLE	J8-SEE TUNING
3.	COVER, CARB TOP	776-19014
4.	LOCK NUT, ADJUSTER	B30/247
5.	CAP, RUBBER	VM34/282
6.	ADJUSTER, CABLE	VM30/77
7.	O-RING, TOP COVER	616-93009
8.	E-RING, NEEDLE CLIP	BS32/126
9.	RING, RETAINING	TM38/54
10.	ADJUSTER, IDLE STOP	603-25008
11.	SPRING, IDLE ADJUST	N110209
12.	PLUNGER, STARTER ASSY	TM38/57
13.	SCREW, AIR ADJUSTER	603-36002
14.	SPRING, AIR SCREW	VM15/112
15.	CHAMBER, FLOAT BOWL	TM38/48
16A.	VALVE SEAT, NDLE ASSBLY	786-36004-(3.5)
16B.	VALVE SEAT, NDLE ASSBLY	786-36004-A-(1.8)
17.	PILOT JET	VM22/210-SEE TUNING
18.	MAIN JET	4/042-SEE TUNING
23.	CAP, FLOAT RETAINER	VM26/42
24.	SCREW, TOP COVER	CW2=0412
25A.	THROTTLE VALVE	999-832-014
25B.	THROTTLE VALVE	999-832-017
26.	SPRING T.V.	730-13019
27.	HOSE, VENT	888-24011
28.	SCREW, FLOAT BOWL	CW2-0308
29.	HOSE, OVERFLOW	888-23022
30.	FLOAT, LEFT SIDE	859-52021
31.	O-RING, DRAIN PLUG	BN042/64
32.	DRAIN PLUG	TM38/44
33.	FLOAT, RIGHT SIDE	859-52020
34.	GASKET, FLOAT BOWL	TM38/52

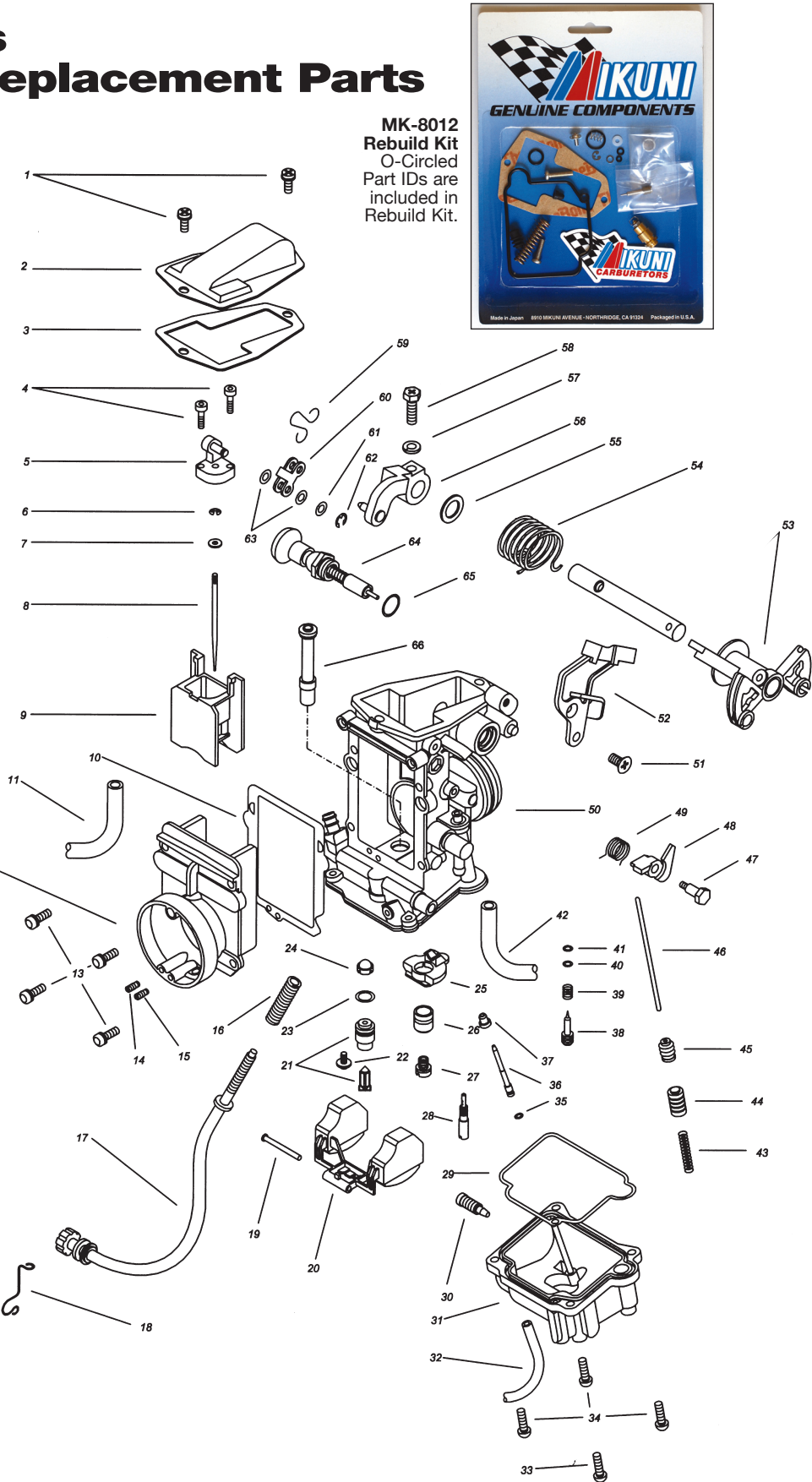


PART NUMBER 000-000 = NO AVAILABLE STOCK

TM33-8012 Series Exploded View / Replacement Parts

MIKUNI TMX SERIES PART LIST

No.	Description	Part Number
1.	SCREW, TOP COVER	CW2=0410
2.	TOP COVER	TM29/16a
③	GASKET, TOP COVER	TM29/17
4.	SCREW, JOINT ASSY	793-13001
5.	JOINT ASSY	TM29/71
⑥	E-RING	VM20/369
⑦	PACKING	VM26/315
8.	JET NEEDLE	J8-5FP96-3
9.	THROTTLE VALVE	832-38007-1.5
10.	GASKET, AIR FUNNEL	TM29/62
11.	HOSE, VENT	VM34/105
12.	AIR FUNNEL	TM33/32a
13.	SCREW, AIR FUNNEL	VM38/133
14.	PILOT AIR JET	BS30/97-1.1
15.	MAIN AIR JET	BS30/97-0.7
①⑥	SPRING, IDLE ADJUSTER	730-07008
17.	IDLE ADJUSTER	TM33/38a
18.	CLIP, IDLE ADJUSTER	N189-169e
19.	PIN FLOAT	VM30/160
20.	FLOAT ASSY	859-34003
②①	NEEDLE VALVE ASSY	N133.200-1.8
②②	SCREW, NEEDLE VLV. HOLDER	VM13/216
②③	O-RING, NEEDLE VALVE	KV/10
②④	FILTER, NEEDLE VALVE	VM18/233
25.	RING (NYLON), MAIN JET	TM33/35a
26.	RING (BRASS), MAIN JET	VM38/106a-#
27.	MAIN JET	N100.604-127.5
28.	PILOT JET	VM28/486-37.5
②⑨	O-RING, FLOAT BOWL	616-94012
30.	DRAIN SCREW, FLOAT BOWL	N133.363
31.	FLOAT BOWL	TM33/77
32.	HOSE, OVERFLOW	888-23043-1F
③③	SCREW (LONG), FLOAT BOWL	C2=0416
③④	SCREW (SHORT), FLOAT BOWL	C2=0414
③⑤	O-RING, A/P NOZZLE	N124.063
36.	A/P NOZZLE	TM29/24
③⑦	PLUG, A/P NOZZLE	TM29/14
③⑧	PILOT SCREW	N138.192
③⑨	SPRING, PILOT SCREW	N138.187
④①	WASHER, PILOT SCREW	VM12/33
④②	O-RING, PILOT SCREW	N133.037
42.	HOSE, VENT	888-25029-1E
43.	SPRING, A/P PLUNGER	730-04003a
44.	A/P PLUNGER	TM29/18
④⑤	CAP, A/P PLUNGER	N150.048
46.	ROD, A/P	TM33/46
47.	BOLT, A/P LEVER	B30/397
48.	LEVER A/P	VM38/212
49.	SPRING, A/P LEVER	TM33/47a
50.	MAIN BODY	TM33-8012-01-0
51.	SCREW, THROTTLE BRACKET	C5=0510
52.	THROTTLE BRACKET	TM33/33
53.	BELLCRANK	TM33/44
54.	SPRING, THROTTLE RETURN	TM24/21
55.	PACKING, THROTTLE SHAFT	B36/95
56.	LEVER, THROTTLE	VM13/186
57.	WASHER, THROTTLE LEVER	W4=05
58.	BOLT, THROTTLE LEVER	VM28/230
59.	SPRING, LINKAGE LEVER	VM33/49e
60.	PLATE LINKAGE LEVER	VM33/45
61.	WASHER, LINKAGE LEVER	M10/56
62.	E-RING, LINKAGE LEVER	BSW28/70
63.	PACKING, LINKAGE LEVER	B40i/10
64.	CHOKE ASSY	TM33/49
⑥⑤	O-RING, CHOKE ASSY	N138.198
66.	NEEDLE JET	784-24111-P-8

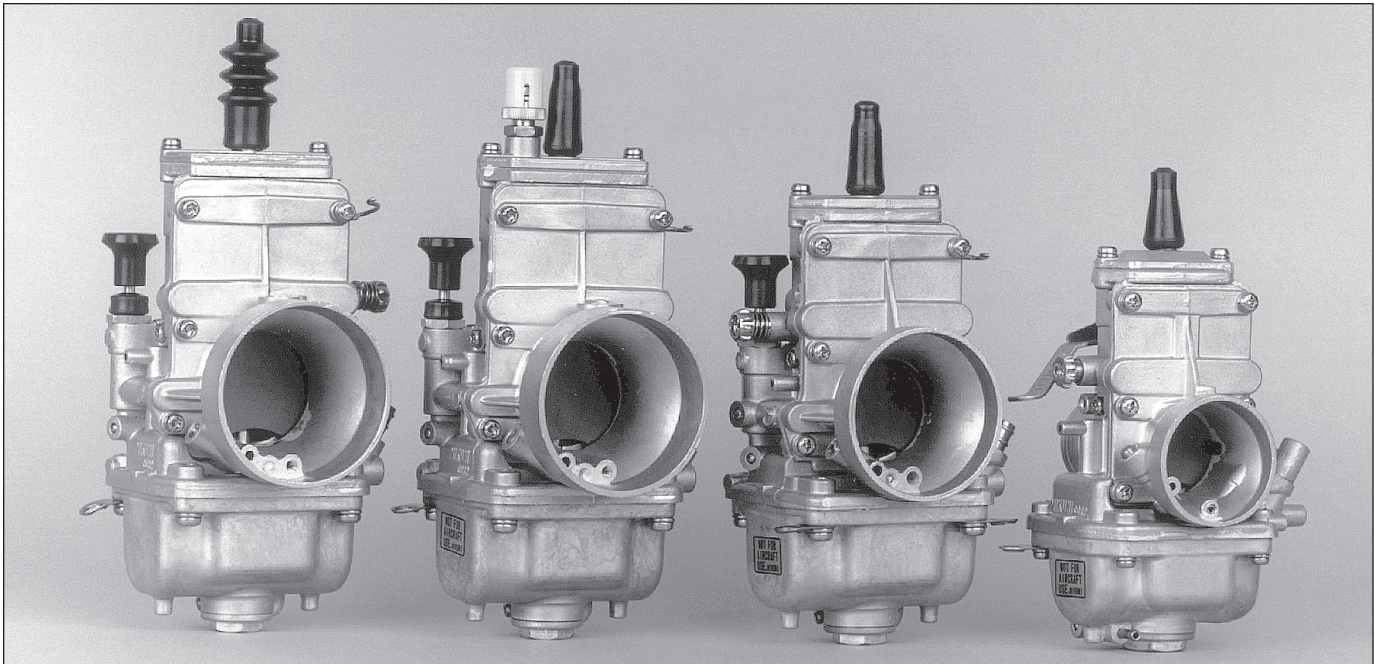


MK-8012 Rebuild Kit
O-Circled Part IDs are included in Rebuild Kit.



PART NUMBER 000-000 = NO AVAILABLE STOCK

MK-8012 Rebuild Kit O-Circled Part IDs are the parts included in Rebuild Kit.



FLAT SLIDE CARBURETORS

Mikuni's TM Series flat side carburetors provide a significant performance improvements over older round slide carburetors. Air flows faster, smoother through the TM Series venturi and jet blocks due to the flat slide design which help create a smooth bore effect. The high velocity air flow means a stronger vacuum at the needle jet for more precise metering, better throttle response.

POWER JET KITS

Power Jet Kits are used in two-stroke engine applications to improve mid range throttle response and add additional fuel to wide open throttle running conditions, especially with snowmobile clutches.

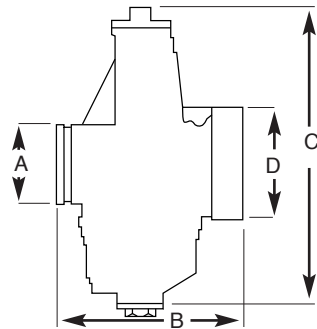
Power Jet Kit Universal MK-406

(See Power Jet Kit Installed on Carb on page 29).

TM SERIES FLAT SLIDE CARBURETORS

CARB NO.	SIZE (MM)	MAIN JET (4/042)		PILOT JET (VM22/210)	NEEDLE JET/SERIES	JET NEEDLE	THROTTLE VALVE	AIR JET	
TM24-8001	24		130	15	784-21005-Q-0/454	5N13	832-30005-3.0	None	
VM28-418	28		180	15	VM30/46-P-8/175	5DP39	832-33001 2.5	None	
TM32-1	32		250	45	785-24001-Q-2/389	5FP17	832-39012 4.0	None	
TM34-2	34		280	50	785-24001-Q-2/389	5FP17	832-39012 4.0	None	
TM36-2	36		280	50	785-24001-Q-6/389	6FJ40	832-43002a 4.0	None	
TM38-85	38		230	22.5	785-24001-Q-2/389	6FJ41	832-43011-4.0	None	
TM38-86	38		230	22.5	785-24001-Q-2/389	6FJ41	832-43011-4.0	None	
TM33-8012	33	N100.604	127.5	VM28/486	37.5	784-241111-P-8/640	5FP96	832-38007-1.5	0.7
TM36-68*	36	“	130	“	12.5	784-13002-P-8/568	9DZH6-50	N/A	1.0
TM40-6*	40	“	165	“	17.5	784-13002-Y-6/568	J8-9DJY01	N/A	1.1

*For TM36-68 exploded view & parts list see pg. 8



TM SERIES FLAT SLIDE CARBURETOR DIMENSIONS

MODEL NUMBER	TM24-8001	VM28-418	TM32-1	TM33-8012	TM34-2	TM36-2	TM36-68	TM38-85	TM38-86	TM40-6
DIMENSION A (mm)	31	33	40	40	40	43	42	47	43	44
B	75	82	83	93	83	100	100	100	100	100
C	145	135	160	160	160	170	176	170	170	165
D	44	44	58	50	58	62	54	62	62	55
TOTAL WIDTH	76	76	78	105	78	75	78	75	75	

ITEM#	DESCRIPTION	VM28-418	TM32-1	TM34-2	TM36-2	TM38-1 and 3	TM38-85 and 86
1	Complete Starter Assy	VM26/116 (Plunger)	VM29/47	VM29/47	VM29/47	VM29/47	VM29/47
2	Nylon Ring	VM28/1046	VM28/1046	VM28/1046	VM38/153	VM38/153	VM38/153
3	Screw W/Lockwasher	CW2 = 0310	CW2 = 0310	CW2 = 0310	CW2 = 0310	CW2 = 0310	CW2 = 0310
4	Cable Connector	VM28/1042	VM28/1042	VM28/1042	VM38/152	VM38/152	VM38/152
5	E-Ring	VM20/369	VM20/369	VM20/369	VM20/369	VM20/369	VM20/369
6	JET NEEDLE	J8-5DP39	J8-5FP17	J8-5FP17	J8-6F J40	J86F J40	J8-6F J41
7	Throttle Valve	832-33001-2.5	832-39012-4.0	832-39012-4.0	832-43002-4.0	832-43002-4.0	832-43011-4.0
8	Idle Rod	Not Applicable	Not Applicable	Not Applicable	VM38/159	VM38/159	Not Applicable
9	Mixing Chamber Body	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
10	Screw, Jet Block	VM38/132	VM38/132	VM38/132	VM38/132	VM38/132	VM38/132
11	Washer(Alum)	VM34/274	VM34/274	VM34/274	VM34/274	VM34/274	VM34/274
12	Jet Block, Left	VM28/1054	VM32/492	VM34/439	VM36/163	VM38/144	TM38/08
13	Jet Block, Right	VM28/1055	VM32/493	VM34/440	VM36/164	VM38/145	TM38/09
14	Float Pin	VM30/160	VM30/160	VM30/160	VM30/160	VM30/160	VM30/160
15	Float Arm	Not Applicable	VM36/15	VM36/15	VM36/15	VM36/15	VM36/15
16	Cap, Float Guide Pin	VM26/42	VM26/42	VM26/42	VM26/42	VM26/42	Not Applicable
17	PILOT JET	VM22/210-15	VM22/210-45	VM22/210-50	VM22/210-50	VM22/210-35	VM22/210-22.5
18	Float	VM28/694	VM24/236	VM24/236	VM24/236	VM24/236	859-52020/52021
19	Gasket, Float Chamber	VM26/228	VM34/374	VM34/374	VM34/374	VM34/374	VM34/374
20	Float Chamber Assy	VM26/220-15	TM32/02-60	TM32/02-80	TM32/02-100	TM32/02-100	TM38/138
21	Plate,Hose Retaining	VM30/113	VM34/103	VM34/103	VM34/103	VM34/103	VM34/03
22	Screw W/Lockwasher	CW2 = 0416	CW2 = 0516	CW2 = 0516	CW = 0518	CW2 = 0518	CW2 = 0516
23	O-Ring, Rubber	VM26/227	VM28/254	VM28/254	VM28/254	VM28/254	VM28/254
23a	O-Ring, Flat Fiber Washer	4/053	4/053	4/053	4/053	4/053	4/053
24	Drain Plug, Std Aluminum	VM28/817	VM28/253	VM28/253	VM28/253	VM28/253	VM28/253
24a	Drain Plug, Optional Brass		VM38/08	VM38/08	VM38/08	VM38/08	VM38/08
25	Cap, Idle Adjuster	Not Applicable	Not Applicable	Not Applicable	VM35/40	Not Applicable	Not Applicable
26	Packing (Rubber)	Not Applicable	Not Applicable	Not Applicable	N138.077	N138.077	Not Applicable
27	Nut	Not applicable	Not Applicable	Not Applicable	N2 = 04	N2 = 04	Not Applicable
28	Idle Adjuster	Not Applicable	Not Applicable	Not Applicable	603-68001	603-68001	Not Applicable
29	Nut	Not Applicable	Not Applicable	Not Applicable	BDC36/35	BD36/35	Not Applicable
30	Rubber Cap	VM26/46	VM18/228	VM18/228	VM18/228	VM18/228	Not Applicable
31	Screw W/ Lockwasher	CW2 = 0412	CW2 = 0412	CW2 = 0412	CW2 = 0412	CW2 = 0412	CW2 = 0412
32	Cable Adjuster	M18F/43a	VM36/83	VM36/83	VM36/83	VM36/83	VM36/83
33	LockNut	B30/247	B30/247	B30/247	B30/247	B30/247	B30/247
34	Mixing Chamber Top	776-15001	776-17001	776-17001	776-19002	776-19002	776-19001
35	Gasket, Top	VM28/1045	VM32/495	VM32/495	VM38/127	VM38/127	VM38/127
36	Throttle Valve Spring	730-15001	730-15004	730-15004	730-16003	730-16003	730-16003
37	NEEDLE JET	VM30/46-P-8(175)	785-24001-Q-2(389)	785-24001-Q-2(389)	785-24001-Q-2(389)	785-24001-Q-2(389)	785-24001-Q-2(389)
38	Ring, Main Jet (Assy)	VM28/429	VM34/454	VM34/454	VM34/454	VM34/454	TM34/36
39	MAIN JET	4/042-180	4/042-250	4/042-280	4/042-280	4/042-290	4/042-230
40	O-Ring	VM24/559	KV/10	KV/10	KV/10	KV/10	KV/10
41	Needle Valve	VM24/557-2.5	786-46001-3.3	786-46001-3.3	786-46001-3.3	786-46001-3.5	786-46001-3.5
42	Plate, Needle Valve	VM24/560	VM24/560	VM24/560	VM24/560	VM24/560	VM38/29
43	Screw	C2 = 0406	C2 = 0406	C2 = 0406	C2 = 0406	C2 = 0406	C2 = 0406
44	Vent Hose	888-23008	888-24001	888-24001	888-24001	888-24001	888-24007
45	Gasket, Front Cover	VM28/1044	VM38/126	VM38/126	VM38/126	VM36/166	VM38/126
46	Front Body, Air Intake	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
47	Bolt	Not Applicable	Not Applicable	Not Applicable	Not Applicable	BV15/27	Not Applicable
48	Screw	VM38/133-B	VM38/133-B	VM38/133-B	VM38/133-B	VM38/133-B	VM38/133-B
49	Air Screw, Pilot	VM20/584	VM24/622	VM24/622	VM24/622	VM24/622	VM24/622
50	Spring, Pilot Air Screw	M12F/46a	M12F/46a	M12F/46a	M12F/46a	M12F/46a	M12F/46a
51	Washer, Pilot Air Screw	Not Applicable	VM12/33	VM12/33	VM12/33	VM12/33	VM12/33
52	O-Ring, Pilot Air Screw	Not Applicable	N133.037	N133.037	N133.037	N133.037	N133.037
53	MAIN AIR JET	BS30/97-1.8	2.5 On Body	2.5 On Body	2.5 On Body	2.5 On Body	2.5 On Body
54	Overflow Hose	888-23007	888-23014	888-23014	888-23014	888-23014	VM24/328
55	Starter Jet	VM17/1002-15	VM17/1002-60	VM17/1002-80	VM17/1002-80	VM17/1002-100	VM17/1002-40
56	Idle Stop Screw	603-27002	603-16003	603-16003	Not Applicable	Not Applicable	603-16003
57	Spring Idle Screw	VM15/112	VM24/556	VM24/556	Not Applicable	Not Applicable	VM24/556
58	O-Ring	VM14/75	BV32/04	BV32/04	Not Applicable	Not Applicable	BV32/04
59	Washer	VM14/87	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

TM Flatslide Carburetor Exploded View

