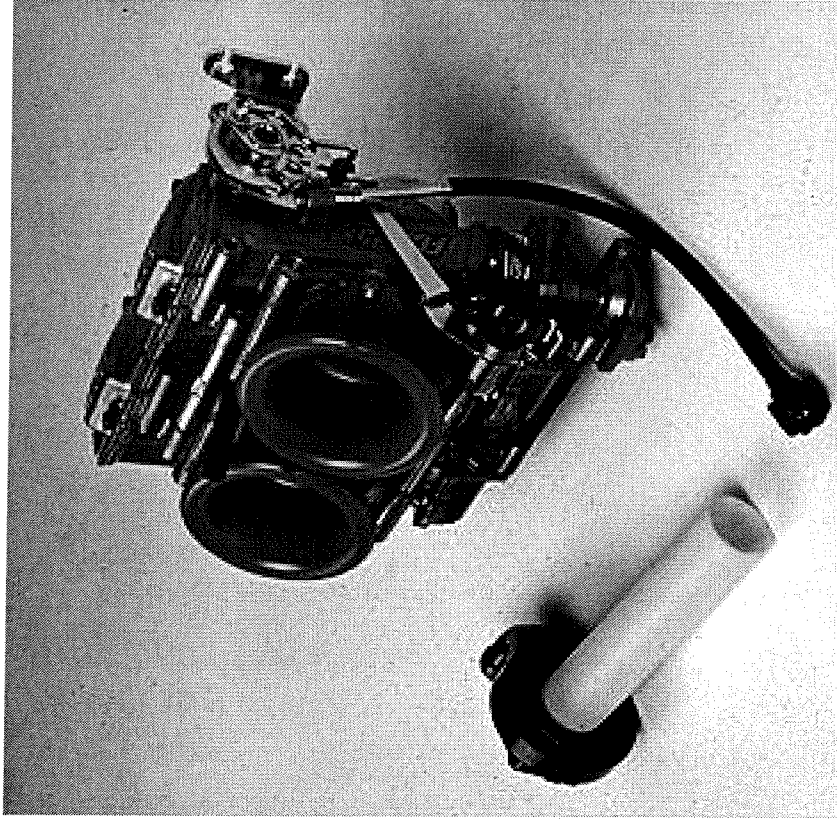
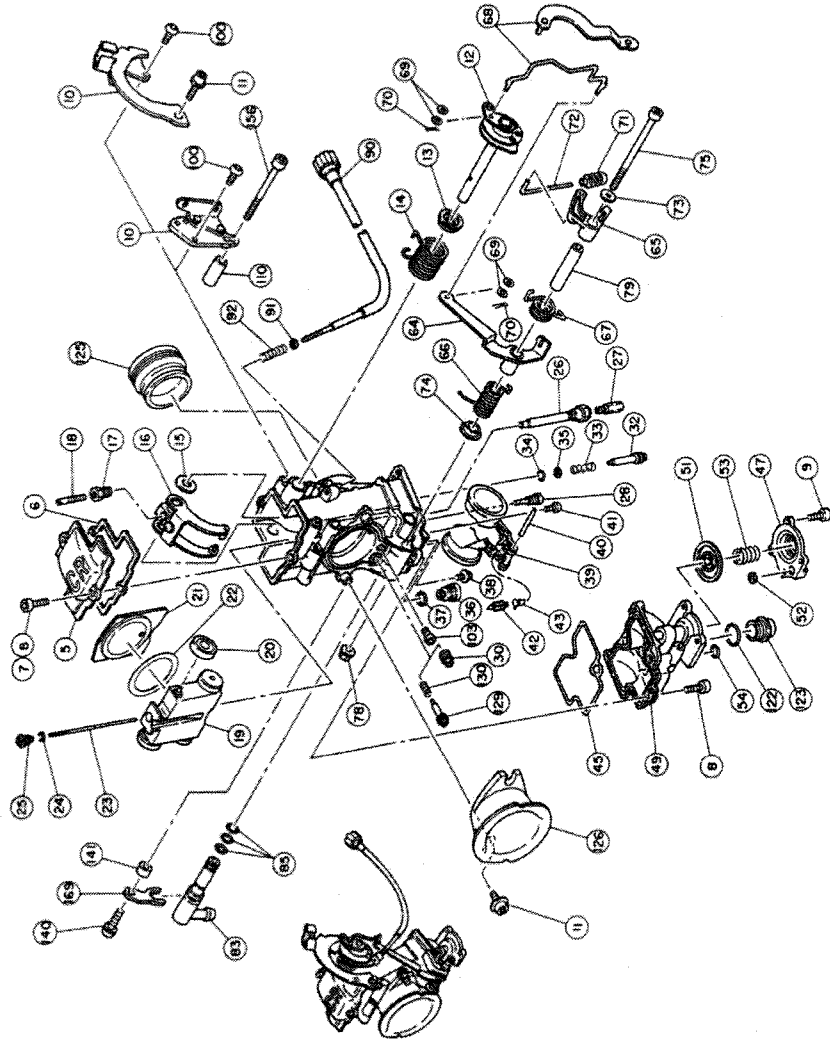


KEIHIN Dual FCR horizontal Carburetor settings for Norton Commando

Motorcycle Type/Size	Intake port center distance	Carburettor size	Valve seat (36)	Needle (23)	Main jet (27)	Slow jet (28) or Main air jet (103)	Slow air screw (30)	Remarks
Norton Commando 750 standard	67 mm	FCR 35	3.2	EMC-jet needle	150	200	55	%
Norton Commando 850 standard	67 mm	FCR 35						
Norton Commando VR880 (Norton USA)	67 mm	FCR 35			152	152	55	
Yamaha SRX Keihin FCR35 dual kit*	68 mm	FCR 35	3.2	EMR jet needle	152	200	55	%
Yamaha SRX Keihin FCR39 dual kit	68 mm	FCR 39						

KEIHIN FCR HORIZONTAL



*)The Yamaha SRX FCR35 kit comes with 38 mm spigot manifolds that fits to Amal MkII-style manifold 40mm(spigot style) , use some radiator hose with hose clamps to link the carb spigots to the manifold spigots.

KEIHIN FCR PARTS

Eric Brown doing what he does best! He holds the world record at 260 ft for natural terrain jumping. (shown at right)

- | | | | |
|--|---|-------------------------------------|--|
| 5. Top Cover | | | |
| 021-002 | 1030-850-2000 | 28-33mm | |
| 021-003 | 1030-855-2000 | 35-41mm | |
| 6. Gasket, Top Cover | | | |
| 021-005 | 1031-805-2000 | 28-33mm | |
| 021-006 | 1031-806-2000 | 35-39mm | |
| 021-007 | 1031-807-2000 | 41mm | |
| 8. Screw M4x10 x0.7 | | | |
| 021-008 | 0136-807-1100 | all | |
| 9. Screw M4x8 | | | |
| 021-010 | 0136-808-1100 | all | |
| 10. Mounting Bracket | | | |
| Order # | Application | Carb Size | |
| 021-127 | CBR600 | 32, 33mm | |
| 021-126 | CBR600F2 / F3 | 32, 33mm | |
| 021-125 | FZR400/600, YZF600 | 32, 33mm | |
| 021-129 | ZX6, ZX10, ZX11,
GSXR Air Cooled (all)
Triumph, Zephyr, BMW | 35-41mm | |
| 021-131 | CBRF3, CBR900, CB1000, YZF1000R1/600
FZR750, FZR1000 | 35-41mm | |
| 021-132 | Ducati Dual, Ducati Single
SV650 (F) | 35-41mm | |
| 021-133 | KTM, XR250, SR500 | 35-41mm
Single Carb
30 degree | |
| 021-134 | XR600
TRX400EX, SV650 (R) | 35-41mm
Single Carb
15 degree | |
| 021-551 | H-D Evo CV stock Cable | 41mm | |
| 021-549 | Single Carb 0 degree | 35-41mm | |
| 021-550 | Late GSX-R | | |
| 021-249 | GSXR Liquid Cooled,
Vulcan 1500, MotoGuzzi | 35-41mm | |
| 021-122 | ZX7 '91-'95, ZX9R, R-6 | 35-41mm | |
| 11. Screw, Bracket | | | |
| 021-012 | 0136-803-1100 | all | |
| 12. Throttle Shaft | | Pitch: | |
| 021-135 | 5025-951-2100 | 71-96-71 | |
| 021-137 | 5025-955-2100 | 75-96-75 | |
| 021-139 | 5025-956-2100 | 86-92-86 | |
| 021-141 | 5025-955-2200 | 75-86-75 | |
| 021-142 | 5025-977-2200 | 75-75-75 | |
| 021-143 | 5025-953-2100 | 71-83-71 | |
| 021-144 | 5025-984-2100 | 101 | |
| 13. Collar | | | |
| 021-014 | 1305-958-7000 | all | |
| 14. Coil Spring | | | |
| 021-016 | 1305-932-2001 | standard / multi | |
| 021-253 | 1305-942-2000 | singles, light multi | |
| 15. Washer | | | |
| 021-018 | 0301-092-7000 | all | |
| 16. Link Arm | | | |
| 021-020 | 1061-815-2100 | 28-33 | |
| 021-021 | 1061-816-2100 | 35-39 | |
| 17. Hexagon Nut | | | |
| 021-023 | 0208-811-1100 | all | |
| 18. Stop Screw | | | |
| 021-025 | 1034-836-2000 | all | |
| 19. Throttle Valve | | | |
| 021-300 | N501-18C02 | 28-33 | |
| 021-325 | N501-20C00 | 35-39 | |
| 20. Roller | | | |
| 021-027 | 1119-803-7002 | | |
| 21. Vacuum Release Plate | | | |
| 021-029 | 1609-801-2101 | 28-33 | |
| 021-030 | 1609-802-2101 | 35-41 | |
| 22. Seal | | | |
| 021-032 | 1099-816-6001 | 28-33 | |
| 021-033 | 1099-817-2001 | 35-39 | |
| 23. Needles | N427-90-nnn
N427-OC-nnn | 28-33
35-39 | |
| (See chart on pg. 182) | | | |
| 24. Clip | | | |
| 018-616 | 1421-802-1000 | all | |
| 25. Needle Set Screw | | | |
| 021-034 | 1421-801-2000 | all | |
| 26. Main Nozzle | | | |
| 021-037 | 1154-835-2100 | all Downdraft | |
| 021-036 | 1154-838-2000 | all Horizontal | |
| 27. Main Jet | 99101-357-nnn
(See chart on pg. 206) | | |
| 28. Slow Jet | N424-25-nnn
(See chart on pg. 207) | | |
| 30. Slow Air Screw and Spring - See pg. 183
(replaces Slow Air Jet) | | | |
| 021-230 | 1014-817-2000 | screw | |
| 021-235 | 16052-KM4-0040 | spring | |
| 32. Pilot Screw | | | |
| 021-039 | N447-05A00 | 6° taper all | |
| 021-038 | N447-05C00 | 9° taper (option) | |
| 021-040 | N447-05B00 | 12° taper (option) | |
| 33. Pilot Screw, Coil Spring | | | |
| 021-041 | 1290-812-2001 | all | |
| 34. Pilot Screw, O-Ring | | | |
| 021-043 | W9351-11028 | all | |
| 35. Pilot Screw Washer | | | |
| 021-045 | 0301-803-2000 | all | |
| 36. Valve Seat N361-03-n | | | |
| Fuel pump applications use N. Valve 018-676 | | | |
| 021-218 | 1.00 | all Downdraft | |
| 021-219 | 1.20 | " | |
| 021-220 | 1.40 | " | |
| 021-221 | 1.60 | " | |
| 021-222 | 1.80 | " | |
| 021-223 | 2.00 Std. Downdraft | " | |
| 021-224 | 2.20 | " | |
| 021-225 | 2.40 | " | |
| 021-226 | 2.60 | " | |
| Valve Seat N361-043-n | | | |
| Gravity Flow applications use 018-504 N. Valve | | | |
| 021-240 | 3.20 Std. Horizontal | all Horizontal | |
| 021-241 | 3.40 | " | |
| 021-242 | 3.60 | " | |
| 021-243 | 3.80 | " | |
| 021-244 | 4.00 | " | |
| 37. Valve Seat O-Ring | | | |
| 021-047 | W9351-13090 | all | |

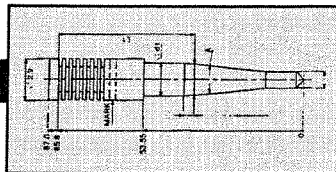
36

KEIHIN FCR NEEDLES

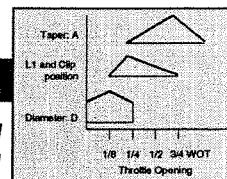
23

N427-90 FCR 26-33mm

E **T** **V**
taper L1 diameter



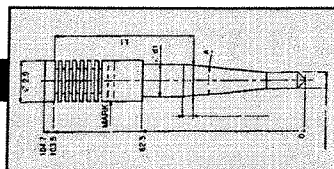
Operations affected
by needle selection



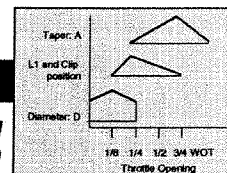
		1/8 to 1/4 Throttle → Lean							
		Diameter (d-1) mm							
Taper (A) in degrees	(L1) length in mm	M=2.715	N=2.725	P=2.735	R=2.755	S=2.765	T=2.775	U=2.785	V=2.795
E 1' 0'	B=58.70 K=62.30 T=65.90				EBR/017-199 EKR/017-202 ETR/017-205		EBT/017-200 EKT/017-203 ETT/017-207		EBV/017-201 EKV/017-204 ETV/017-209
F 1' 15'	B=58.70 K=62.30 T=65.90				FKR/017-212 FTR/017-215		FBT/017-210 FKT/017-213 FTT/017-217		FBV/017-211 FKV/017-214 FTV/017-219
G 1' 30'	B=58.70 K=62.30 T=65.90	GBM/017-220 GKM/017-225		GBP/017-221 GKP/017-226	GKR/017-227 GTR/017-230		GTT/017-232		GTV/017-234

N427-0C FCR 35-41mm

E **M** **P**
taper L1 diameter



Operations affected
by needle selection



1/8 to 1/4 Throttle → Lean														
Taper (A) In Degrees	(L1) length in mm	H=2.675	K=2.695	L=2.705	M=2.715	Diameter (d-1) mm								
						N=2.725	P=2.735	Q=2.745	R=2.755	S=2.765	T=2.775	U=2.785	V=2.795	W=2.805
D 0' 45'	B=74.65 F=76.45 H=77.35 K=78.25 L=78.70 M=79.15 V=82.75	RICH ↕ 1/4 Throttle LEAN	DBK/017-276 DFK/017-283		DBM/017-277 DFM/017-284	DFN/017-285	DBP/017-278 DFP/017-286		DBR/017-279 DFR/017-287		DBT/017-280 DFT/017-288			
E 1' 0'	B=74.65 F=76.45 H=77.35 K=78.25 L=78.70 M=79.15 V=82.75	RICH ↕ 1/4 Throttle LEAN	EBK/017-361 EFH/017-375	EFK/017-376	EFL/017-378	EFM/017-379	EFN/017-380	EFP/017-366	EBR/017-362 EFR/017-367 EHR/017-247		EBT/017-363 EFT/017-368		EBV/017-364 EFV/017-369	
F 1' 15'	B=74.65 F=76.45 H=77.35 K=78.25 L=78.70 M=79.15	RICH ↕ 1/4 Throttle LEAN	FBH/017-384	FBK/017-385		FBM/017-308		FBP/017-310	FBR/017-387		FBT/017-388		FBV/017-386	
G 1' 30'	B=74.65 F=76.45 H=77.35 J=77.80 K=78.25 L=78.70 M=79.15	RICH ↕ 1/4 Throttle LEAN				GJM/017-348		GFP/017-337	GFR/017-338		GFT/017-339		GFV/017-340	

KEIHIN MAIN JETS

27
99101-357-q q q

For CR,FCR,PJ,PWK,PWM,
PE,PD, and Harley.



Order No.	Size	Order No.	Size
019-101	#80	019-127	#145
019-102	#82	019-128	#148
019-103	#85	019-129	#150
019-104	#88	019-130	#152
019-105	#90	019-131	#155
019-106	#92	019-132	#158
019-107	#95	019-133	#160
019-108	#98	019-150	#162
019-109	#100	019-134	#165
0019-110	#102	019-151	#168
019-111	#105	019-135	#170
019-112	#108	019-152	#172
019-113	#110	019-136	#175
019-114	#112	019-153	#178
019-115	#115	019-137	#180
019-116	#118	019-154	#182
019-117	#120	019-138	#185
019-118	#122	019-155	#188
019-119	#125	019-139	#190
019-120	#128	019-141	#195
019-121	#130	019-143	#200
019-122	#132	019-145	#205
019-123	#135	019-147	#210
019-124	#138	019-149	#215
019-125	#140	019-702	#220
019-126	#142	019-704	#230

1001-806-q q q



For all Harley production butterfly carburetors.

Order No.	Size	Order No.	Size	Order No.	Size
019-239	#90	019-250	#118	019-267	#160
019-240	#92	019-251	#120	019-268	#162
019-241	#95	019-253	#125	019-269	#165
019-242	#98	019-255	#130	019-271	#170
019-243	#100	019-257	#135	019-273	#175
019-244	#102	019-258	#138	019-275	#180
019-245	#105	019-259	#140	019-277	#185
019-246	#108	019-260	#142		
019-247	#110	019-261	#145		
019-248	#112	019-263	#150		
019-249	#115	019-265	#155		

N424-27-q q q



O.E.M., Harley Davidson CV Carb

Order No.	Size	Order No.	Size
019-562	#150	019-569	#185
019-563	#155	019-570	#190
019-564	#160	019-571	#195
019-565	#165	019-572	#200
019-566	#170	019-574	#210
019-567	#175	019-576	#220
019-568	#180		

103

99101-393-q q q



For all Honda VB,VD, and VE Series. All
Honda, Kawasaki CV and CVK Series. Some
Honda PD and PE Series. Main Air Jet for
FCR. (main Air Jet for CR-See pg.)

Order No.	Size	Order No.	Size
019-174	#90	019-196	#145
019-175	#92	019-197	#148
019-176	#95	019-198	#150
019-177	#98	019-199	#152
019-178	#100	019-200	#155
019-179	#102	019-201	#158
019-180	#105	019-202	#160
019-181	#108	019-203	#162
019-182	#110	019-204	#165
019-183	#112	019-206	#170
019-184	#115	019-207	#172
019-185	#118	019-208	#175
019-186	#120	019-209	#178
019-187	#122	019-210	#180
019-188	#125	019-211	#182
019-189	#128	019-212	#185
019-190	#130	019-213	#188
019-191	#132	019-214	#190
019-192	#135	019-215	#192
019-193	#138	019-216	#195
019-194	#140	019-217	#198
019-195	#142	019-218	#200

99101-116-q q q



PB (small ATV).

Order No.	Size	Order No.	Size
019-855	#50	019-875	#100
019-856	#52	019-876	#105
019-857	#55	019-877	#110
019-858	#58	019-878	#115
019-859	#60	019-879	#120
019-860	#62		
019-861	#65		
019-862	#68		
019-863	#70		
019-864	#72		
019-865	#75		
019-866	#78		
019-867	#80		
019-868	#82		
019-869	#85		
019-870	#88		
019-871	#90		
019-872	#92		
019-873	#95		
019-874	#98		

KEIHIN SLOW JETS

N424-24-q q q

For CR Special Carburetors

019-060	#35
019-061	#38
019-062	#40
019-063	#42
019-064	#45
019-065	#48
019-066	#50
019-067	#52
019-068	#55
019-069	#58
019-070	#60
019-071	#62
019-072	#65
019-073	#68
019-074	#70
019-075	#72
019-076	#75
019-077	#78
019-078	#80
019-079	#82

LEAN

RICH

N424-21-q q q

For PJ, PWK, PWM, PE20 and some smooth-bores.

019-005	#35
019-006	#38
019-007	#40
019-008	#42
019-009	#45
019-010	#48
019-011	#50
019-012	#52
019-013	#55
019-014	#58
019-015	#60
019-016	#62
019-017	#65
019-018	#68
019-019	#70
019-020	#72
019-021	#75
019-022	#78
019-023	#80

LEAN

RICH

N424-22-q q q

For some Honda PE Series.

019-030	#35
019-031	#38
019-032	#40
019-033	#42
019-034	#45
019-035	#48
019-036	#50
019-037	#52
019-038	#55
019-039	#58
019-040	#60
019-041	#62
019-042	#65
019-043	#68
019-044	#70
019-045	#72
019-046	#75
019-047	#78
019-048	#80

LEAN

RICH

28

N424-25-q q q

For Harley Keihin carburetors, Kawasaki CV, CVK and FCR carbs.

019-810	#35
019-811	#38
019-812	#40
019-813	#42
019-814	#45
019-815	#48
019-816	#50
019-817	#52
019-818	#55
019-819	#58
019-820	#60
019-821	#62
019-822	#65
019-823	#68
019-824	#70
019-825	#72
019-826	#75
019-827	#78
019-828	#80
019-829	#82
019-830	#85
019-831	#88
019-832	#90
019-833	#92
019-834	#95
019-835	#98
019-836	#100

LEAN

RICH

N424-32-q q q

For Keihin PE24 carburetors,

019-080	#35
019-081	#38
019-082	#40
019-083	#42
019-084	#45
019-085	#48
019-086	#50
019-087	#52
019-088	#55
019-089	#58
019-090	#60
019-091	#62
019-092	#65
019-093	#68
019-094	#70

LEAN

RICH

N424-26-q q q

For some Honda VB Series. All of Honda VD Series, 600, 1000 Hurricane.

019-540	#35
019-541	#38
019-542	#40
019-543	#42
019-544	#45
019-545	#48
019-546	#50
019-547	#52
019-548	#55
019-549	#58
019-550	#60
019-551	#62
019-552	#65
019-553	#68
019-554	#70
019-555	#72
019-556	#75
019-557	#78
019-558	#80

LEAN

RICH

KEIHIN FCR SLOW AIR JETS

99101-ZF5-qqq [99101-124-qqq]

019-401	#45	019-416	#82	019-431	#120
019-402	#48	019-417	#85	019-432	#122
019-403	#50	019-418	#88	019-433	#125
019-404	#52	019-419	#90	019-434	#128
019-405	#55	019-420	#92	019-435	#130
019-406	#58	019-421	#95	019-436	#132
019-407	#60	019-422	#98	019-437	#135
019-408	#62	019-423	#100	019-438	#138
019-409	#65	019-424	#102	019-439	#140
019-410	#68	019-425	#105	019-440	#142
019-411	#70	019-426	#108	019-441	#145
019-412	#72	019-427	#110	019-442	#148
019-413	#75	019-428	#112	019-443	#150
019-414	#78	019-429	#115		
019-415	#80	019-430	#118		

Keihin FCR Slow Air Screw Set Conversion

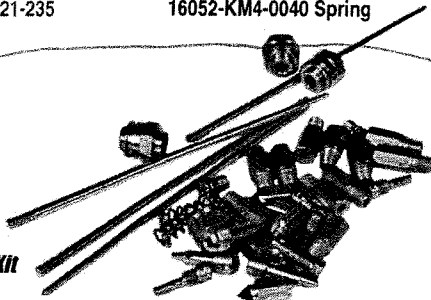
(Replaces Slow Air Jet)

Out: Lean/In: Rich Air Screw	Slow Air Jet
1/4 turn out	#45
3/8	#55
1/2	#65
5/8	#75
3/4	#85
7/8	#95
1	#100
1-1/8	#110
1-1/4	#120
1-1/2	#125
1-3/4	#130
2	#135
2-1/4	#140
2-1/2	#145
2-3/4	#150
3	#155

021-230
021-235

1014-817-2000 Screw
16052-KM4-0040 Spring

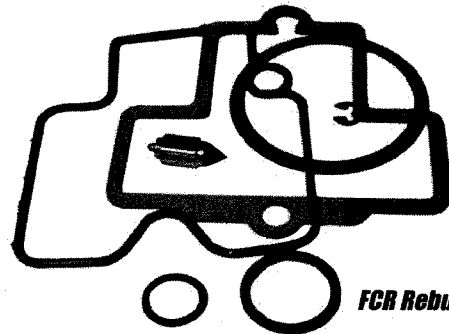
Methanol
Conversion Kit



FCR Rebuild Kits

Carburetor rebuild kits for Keihin Flat-CR Smoothbores assembled from genuine Keihin components. Sudco's rebuild kits contain everything necessary to perform routine carburetor services. Kits are sold per each carb body. Order one or more kits depending on the number of carbs on the motorcycle.

Application		Order No.
Flat CR-Downdraft	32-33mm	018-865
	35-39mm	018-866
	41mm	018-867
Flat CR-Horizontal	35-39mm	018-870
	41mm	018-871



FCR Rebuild Kit

Methanol Conversion Kit

The Sudco Methanol Kit includes all the necessary components: main jets, needles, needle valves, etc. All the jettings required to convert your Keihin Flatside FCR carburetor to methanol usage.

018-859
018-858

FCR 35-41
FCR 32-33