

DIRT BIKE TM38E TM38EX Parts Manual

(Version: 1.1 05/13/2025)

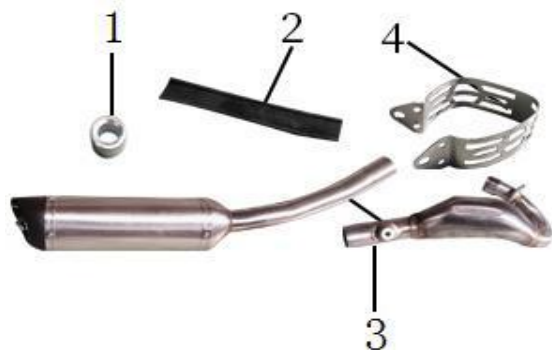
DIAGRAM



Engine Assy.

No.	PART No.	Description	QTY/Bike
1	06.04.0031	Engine NC298 / Zongshen	1
1-1	03.22.0011	Intake pipe assembly /K8 EFI	1
1-2	03.22.0013	Oxygen sensor /K8 EFI	1
1-3	03.06.0690	Cylinder head temperature sensor bolt /K7 EFI	
1-4	03.22.0015	A cylinder temperature sensor /K8 EFI	1
1-5	GB5781 M6x30	Hexagon Flange Bolt M6*30	2
2	03.22.0012	Throttle Valve Body Assembly /K8 EFI	1
3	03.01.0045	Shift lever (long) /CNC	1
4	05.03.01.0106	Spring Gasket	1
5	05.01.01.06020B	Bolt M6*20	1
6	03.22.0014	Electric fuel pump /K8 EFI	1
7	06.27.0126	Carburetor Main Jet Kit /PWK34/NIBBI/	1
8	03.01.0057	Clutch Cable Bracket / A7-02	1
9	03.07.0081	Rear Brake Tubing Clip/x7-01	1
10	STARTER-TM38	STARTING MOTOR ASSY(STARTER)	1
11	ZM STATOR-E	MAGNETO STATOR,	1

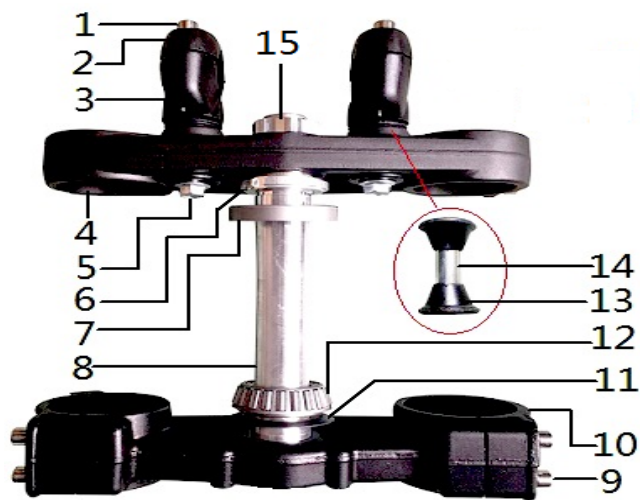
DIAGRAM



Exhaust Pipe Assy.

No.	PART No.	Description	QTY/Bike
1	03.04.0237	Spacer/Rear turn light / K3	1
2	03.06.0531	Insulation glue for exhaust pipe hoop /X3 model	1
3	03.06.0668	Exhaust pipe, front section /K7-NC300 EFI status	1
	03.06.0356	muffler, Exhaust Rear Silencer / K7	1
	03.06.0356-TL	Exhaust tail	1
4	03.06.0531	Clamp/Muffler	1

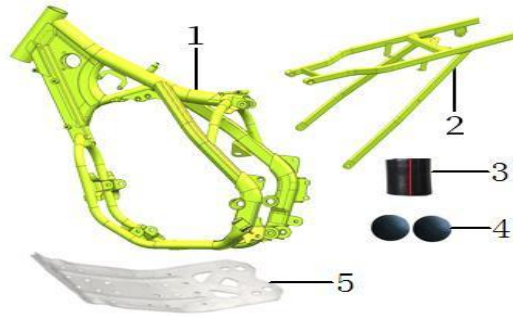
DIAGRAM



Triple Clamps Assy.

No.	PART No.	Description	QTY/Bike
1	05.01.04.08030B	Allen Bolts M8*30 Stainless	4
2	03.01.0328	Handle Bar Mounts(Upper) AF22	2
3	03.01.0329	Handle Bar Mounts(Lower) AF22	2
4	03.06.0357	Triple Clamp (Upper) AF37	1
5	05.01.02.10055B	Flange Bolt M10*55*1.25	2
6	03.01.0126	Lock Nut / A7-01	1
7	03.01.0058	Dust Cover / Upper / A7-01	1
8	03.01.0227	Steering Column7075	1
9	05.01.02.08040D	Flange Bolt M8*40	8
10	03.06.0358	Triple Clamp (Lower)	1
11	03.01.0060	Dust Cap Seal / Lower / k7	1
12	05.04.01.0005	Tapered Roller Beatings (32906)	2
13	03.01.0105	Buffer Conical Socket, Handle Bar / A7-03	4
14	03.01.0106	Inner Spacer, Handle Bar /A7-03	2
15	03.01.0124	Lock Nut / A7-04	1

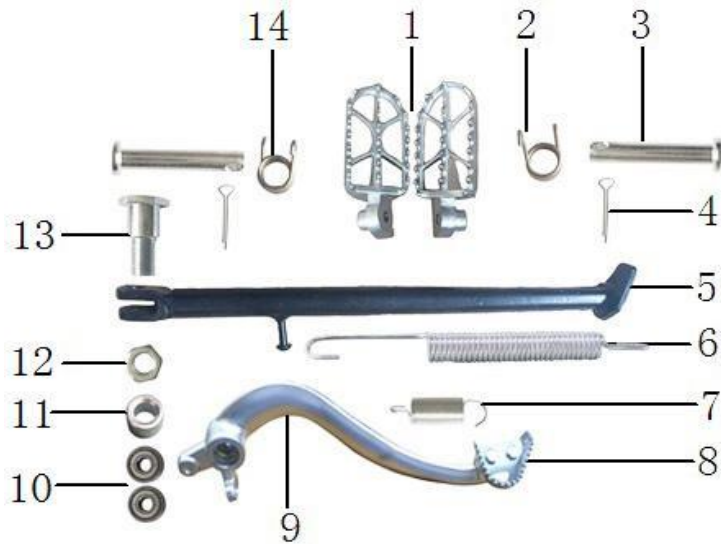
DIAGRAM



Frame

No.	PART No.	Description	QTY/Bike
1	03.06.0138	Main Frame / K7	1
2	03.06.0296	Sub Frame / K7	1
3	03.01.0034	Chain Roller / lower / A7-01	1
4	03.06.0051	Plug, Swingarm	2
5	03.02.0035	Engine guard /H7-01	1

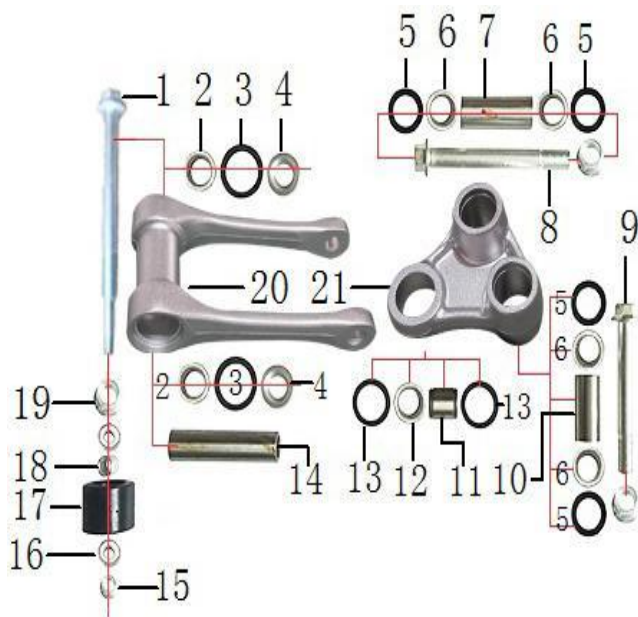
DIAGRAM



Foot Pegs Assy.

No.	PART No.	Description	QTY/Bike
1	03.06.0035	Foot Pegs / LH / K7-01	1
	03.06.0036	Foot Pegs / RH / K7-01	1
2	03.06.0040	Footpegs Spring R.	1
3	03.03.0030	Foot Pegs Mounting Pin Kit	2
4	9.500.230		2
5	03.06.0131	Side Stand /K7	1
6	03.01.0032	Side Stand Spring / S6	1
7	03.02.0017	Rear Brake Return Spring / k7-01	1
8	03.06.0393	Rear Foot Brake Pedal Tip /K7	1
9	03.06.0394	Rear Foot Brake Lever / K7	1
10		Deep-groove Ball Bearings-Sale as Rear Foot Brake Lever 03.06.0394	2
11		Rear Foot Brake Lever Spacer-Sale as Rear Foot Brake Lever 03.06.0394	1
12	GB6170 M10	Hex Nut M10*1.25	1
13	05.80.08.10035D	Hex Bolt M10*35	1
14	03.06.0039	Foot Pegs Return Spring / LH / K7-01	1

DIAGRAM



Linkage Assy.

No.	PART No.	Description	QTY/Bike
1	05.80.07.0003	Linkage Axle / K7, 12*175mm	1
2		Needle Roller Bearings -Sale as Linkage Arm Assy 03.01.0140	4
3		Oil Seal, Linkage-Sale as Linkage Arm Assy 03.01.0140	2
4		End Cap, Linkage -Sale as Linkage Arm Assy 03.01.0140	2
5		Linkage Oil Seal -Sale as Triangle Lever Linkage Arm Assy 03.06.0506	4
6		Needle Roller Bearings -Sale as Triangle Lever Linkage Arm Assy 03.06.0506	4
7		Linkage Spacer -Sale as Triangle Lever Linkage Arm Assy 03.06.0506	1
8	05.01.02.12095D	Bolt M12*95 for spacer 7	1
9	05.01.02.12083D	Bolt M12*83 for spacer 10	1
10		Linkage Spacer-Sale as Triangle Lever Linkage Arm Assy 03.06.0506	1
11		Linkage Spacer -Sale as Triangle Lever Linkage Arm Assy 03.06.0506	1
12		Needle Roller Bearings -Sale as Triangle Lever Linkage Arm Assy 03.06.0506	1
13		Linkage Oil Seal -Sale as Triangle Lever Linkage Arm Assy 03.06.0506	2
14		Bearing Bushing,Linkage -Sale as Linkage Arm Assy 03.01.0140	1
15	GB6187 M8	Locknuts M8	1
16		Deep-groove Ball Bearings(608)-Sale as Chain Roller 03.01.0034	2
17	03.01.0034	Chain Roller / Lower / A7-01	1
18		Chain Roller Spacer 8*12*11)-Sale as Chain Roller 03.01.0034	1
19	05.02.03.0105	Nut M12	3
20	03.01.0140	Linkage Arm Assy, including bearing and bushing	1
21	03.06.0506	Triangle Lever Linkage Arm Assy, including bearing and bushing	1

DIAGRAM

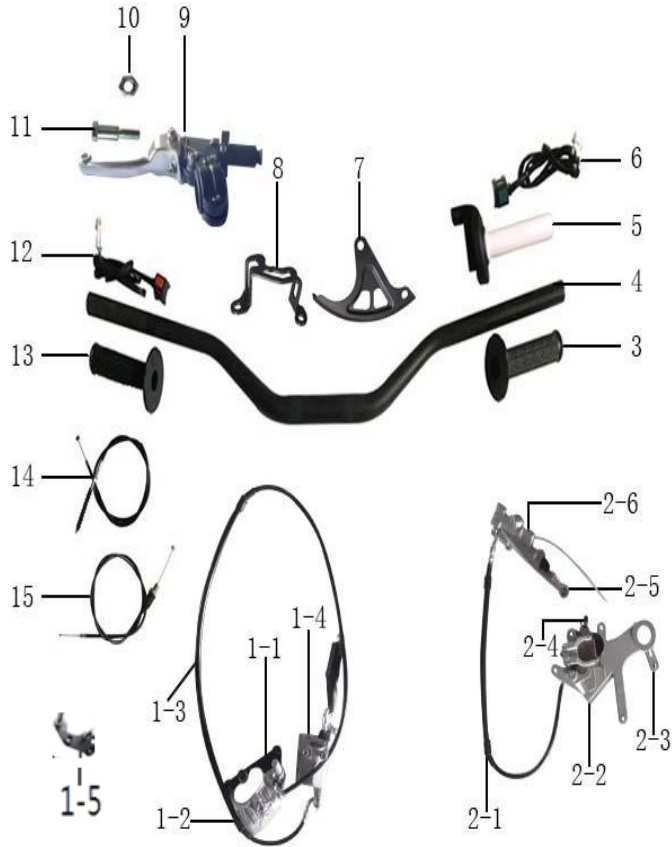


Swingarm Assy.

No.	PART No.	Description	QTY/Bike
1	03.06.0032	Rear Aluminium Swingarm / K7	1
2	03.01.0101	Chain Slider / A7-01	1
3	03.01.0102	Chain Slider Bushing Dish Washer / H7-01	3
4	03.01.0142	Hose Holder, Rear Brake /A7-01	2
5	05.01.07.05012D	Cross Recess Sunk Screw M5*12	9
6	03.01.0127	Chain Adjustor / LH / A7-01	1
7	03.01.0128	Chain Adjustor / RH / A7-01	1
8	03.01.0051	End Gasket, Swingarm / A7-01	2
9	9.220.008	Hex nut M8	2
10	GB5782 M8x50	Hex Bolt M8x50	2
11	GB5789 M6x12	Bolt M6*12	1
12	05.01.02.06045D	Bolt M6*45	2
13	GB6187 M6	Locknuts M6	2
14	03.01.0035	Chain Guide / A7-03	1
15	03.01.0037	Bracket / Chain Guide/ A7	1
16		Swingarm Spacer-Sale as Rear Swingarm Assy 03.06.0411	2
17		Swingarm Oil Seal-Sale as Rear Swingarm Assy 03.06.0411	2
18		Thrust Bearings-Sale as Rear Swingarm Assy 03.06.0411	2
19		Needle Roller Bearings-Sale as Rear Swingarm Assy 03.06.0411	4
20		Swingarm Bushing-Sale as Rear Swingarm Assy 03.06.0411	2
21		Swingarm Oil Seal-Sale as Rear Swingarm Assy 03.06.0411	2
22	05.02.03.0107	Locknuts M16	1
23	05.01.02.17245D	swingarm axle M16*245	1

DIAGRAM	Suspension Assy.			
	No.	PART No.	Description	QTY/Bike
	1	05.80.04.06010D	Screw M6*10	6
	2	03.01.0068	Front Fork Guards / LH	1
	3	03.01.0069	Front Fork Guards / RH	1
	4	05.01.13.10043D	T-slots Bolt M10*43	1
	5	GB6187 M10	Locknuts M10	2
	6	03.01.0169	Rear Suspension / 480MM /KKE	1
	7	05.01.02.10060D	Bolt M10*60	1
	8	02.09.0100	Front Fork Dust Cover / 41*54*13 / KKE	2
	9	06.29.0107	Front Fork Oil Seal / 41*54*11 / KKE	2
	10	03.01.0312	Front Fork / RH / 910MM/KKE	1
	11	03.01.0311	Front Fork / LH / 910MM/KKE	1

DIAGRAM



Handle Bar Assy.

No.	PART No.	Description	QTY/Bike
1	03.06.0675	Front Brake Assy. / k7	1
	06.08.0518	Front Brake lever only. SILVER COLOR	1
1-1		Front Brake Caliper-Sale as Front Brake Assy 03.06.0675	1
1-2	06.08.0577	Front Brake Pads / AJ	2
1-3		Front Brake Hose-Sale as Front Brake Assy 03.06.0675	1
1-4		Front Brake Master Cylinder-Sale as Front Brake Assy 03.06.0675	1
1-5	05.02.15.0073	Front Brake bracket	1
2	03.06.0123	Rear Brake Assy. / K7-01	1
2-1		Rear Brake Hose-Sale as Rear Brake Assy 03.06.0123	1
2-2		Rear Brake Caliper -Sale as Rear Brake Assy 03.06.0123	1
2-3		Rear Brake Bracket -Sale as Rear Brake Assy 03.06.0123	1
2-4	06.08.0410	Rear Brake Pads	2
2-5		Fish-eye Bearings-Sale as Rear Brake Assy 03.06.0123	1
2-6		Rear Brake Master Cylinder-Sale as Rear Brake Assy 03.06.0123	1
3+13	03.01.0367	Grip LH & RH Green Set	1
	03.01.0280	Grip LH & RH Orange Set	1
	03.01.0362	Grip LH & RH Red Set	1
	03.01.0365	Grip LH & RH Blue Set	1
	03.01.0398	Grip LH & RH Gray Set	1

4	06.44.0017	Handle Bar7075	1
5	03.04.0051	Throttle Housing Assy	1
6	06.31.0006	Start Switch	1
7	03.01.0016	Rear Brake Disc Guard / A7-01	1
8	03.01.0015	Rear Brake Caliper Guard / A7-01	1
9	03.06.0666	Clutch Lever Assy. without Choke	1
	06.08.0503	Clutch Lever only, Left, silver	1
10	GB6187 M6	Lock Nut M6	1
11	06.08.0540	Bolt, Clutch Lever M6*Ø8*30	1
12	06.31.0005	Kill Switch	1
14	03.01.0182	Clutch Cable /YKZM-CLU	1
15	03.22.0006	Throttle Cable	1

DIAGRAM



Front Wheel & Tire Assy.

No.	PART No.	Description	QTY/Bike
1+2+3	03.02.0162-Wheel	Front Wheel Assy.80*100-21/1.6*21	1
1	03.02.0162	Front Rim Assy./1.6*21	1
1-1		Aluminium Rim-Sale as Front Rim Assy 03.02.0162	1
1-2		Spoke Cap-Sale as Front Rim Assy 03.02.0162	36
1-3		Spoke-Sale as Front Rim Assy 03.02.0162	36
1-4		Front Wheel Hub-Sale as Front Rim Assy 03.02.0162	1
2	06.42.0379	Front Tire 80*100-21	1
3	06.42.0309	Front Inner Tube 80*100-21	1
4	06.42.0319	Rim Lock Damper	1
5	06.42.0315	Front Rim Lock	1
6	GB97 ?8	Washer $\Phi 8 \times \Phi 16 \times 1.5$	1
7	05.02.07.0001	Nut M8	1
8	06.19.0027	Front Wheel Hub Spacer $\Phi 20 \times \Phi 25 \times 71$	1
9	05.02.03.0107	Locknuts M16	1
10	05.80.11.001	Front Wheel Axle, 20*233	1
11	06.42.0110	Front Wheel Oil Seal $\Phi 26 \times \Phi 37 \times 7$	2
12	05.04.03.0022	Deep-groove Ball Bearings (6904)	2
13	05.01.01.06020B	Bolt M6*20	6
14	GB6187 M6	Locknuts M6	6
15	06.08.0678	Front Brake Rotor / AJ	1
16	06.42.0020	Front Wheel Spacer No.12	2

DIAGRAM



Rear Wheel & Tire Assy.

No.	PART No.	Description	QTY/Bike
1	03.06.0638-wheel	Rear Wheel Assy.110*90-18, / 18*2.15	1
1-1	03.02.0279	Rear Rim Assy. / 18*2.15	1
1-2		Spoke Cap-Sake as Rear Rim Assy 03.06.0638	32
1-3		Spoke-Sake as Rear Rim Assy 03.06.0638	16
1-4		Spoke-Sake as Rear Rim Assy 03.06.0638	16
1-5		Rear Wheel Hub-Sake as Rear Rim Assy 03.06.0638	1
2	06.42.0448	Rear Tire 110*90-18	1
3	06.42.0449	Rear Inner Tube 110*90-18	1
4	06.35.0009	Chain 520H-118L/SF	1
5	GB97 ?8	Washer $\Phi 8 \times \Phi 16 \times 1.5$	1
6	05.02.07.0001	Nut M8	1
7	06.19.0028	Rear Wheel Hub $\Phi 25 \times \Phi 30 \times 100$	1
8	06.42.0316	Rear Rim Lock	1
9	06.42.0105	Rear Wheel Oil Seal 32*47*7	2
10	05.04.03.0024	Deep-groove Ball Bearings (6905)	3
11	03.07.0148	Rear Sprocket 520-51T	1
12	GB6187 M8	Locknuts M8	6
13	05.01.05.08033B	Screw M8*33 for Rear Sprocket	6
14	06.08.0680	Rear Brake Rotor / AJ	1
15	05.01.01.06020B	Bolt M6*20	4
16	05.02.03.0111	Locknuts M22	1
17	05.80.12.001	Rear Wheel Axle /A7, 25*265*1.5	1
18	06.42.0005	Rear Wheel Spacer No.4 / LH	1
19	06.42.0006	Rear Wheel Spacer No.4 / RH	1

DIAGRAM



Air Filter Assy.

No.	PART No.	Description	QTY/Bike
1	03.06.0686	Air Intake Hose, Air Filter / K7-01	1
2	03.01.0219	Air Filter Clamp	1
3	03.06.0050	Air Foam /K7	1
4	03.06.0045	Clip Plate/ K7	1
5	03.06.0380	Fixed Tube, Air Foam / K7	1
6	05.09.0001	E-clips ϕ 5.7* ϕ 12*1	1
7	03.06.0087	Rubber Mat /K7-01	1
8	03.06.0285	Binder Plate Mounting, Air Filter / K7	1
9	05.05.02.0103	Washer	1
10	03.06.0046	Steel Wire, Air Foam / K7	1

DIAGRAM



Electronic Parts

No.	PART No.	Description	QTY/Bike
1	03.22.0010	ECU electronic control module /K8	1
2	03.22.0016	Ignition Coil, K8 EFI	1
3	06.13.0007	Ignition Switch	1
4	03.06.0683	Main Wire Harness, TM38EX	1
	03.06.0682	Main Wire Harness, TM38E	1
5	03.02.0030	Relay Bracket / H7-01	1
6	03.01.0043	Battery Strap / A7-01	1
7	06.12.0211	Battery / 12V 6.5AH	1
8	03.06.0687	Battery box /K7 EFI	1
9	03.06.0310	Ignition Switch Bracket	1
10	03.22.0017	Oil Pump Relay /K8 EFI	1
11	06.11.0004-38E	EFI rectifier	1
12	03.06.0688	Rectifier Support/Left /K7 EFI	1
	03.06.0689	Rectifier bracket/Right /K7 EFI	1
13	03.02.0106	Speed sensing line /H7-01/	1

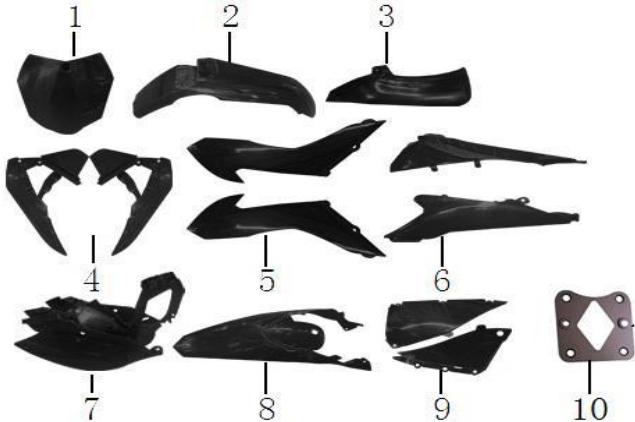
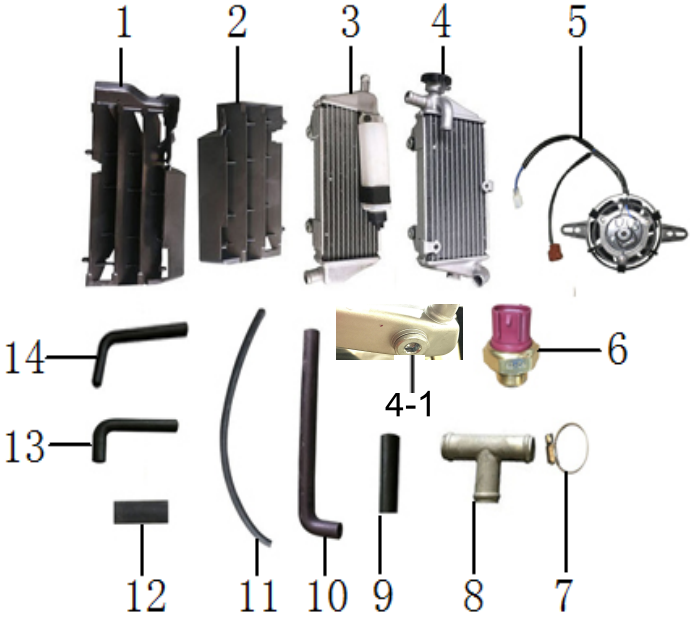
DIAGRAM	Plastic Kit			
	No.	PART No.	Description	QTY/Bike
 Diagram showing 10 plastic components for the Plastic Kit, numbered 1 through 10. The components include various fenders, side panels, and a bracket.	1	03.06.0398	Front Number Plate /K5, K7, A7	1
	2	03.06.0399	Front Fender / K7	1
	3	03.06.0216	Mud Flap / K7	1
	4	03.06.0406	Front Side Panel(Upper) / K7 / LH / Red	1
		03.06.0407	Front Side Panel(Upper) / K7 / RH / Red	1
	5	03.06.0401	Front Side Panel(Upper) / K7 / LH / White	1
		03.06.0400	Front Side Panel(Upper) / K7 / RH / White	1
	6	03.06.0404	Mid Side Panel(Upper) / K7 / LH / White	1
		03.06.0405	Mid Side Panel(Upper) / K7 / RH / White	1
	7	03.06.0408	Rear Side Panel / K7	1
 Diagram showing 9 components for the Fuel Tank Assy., numbered 1 through 9. The components include a fuel tank cap, screws, vent hose, flowline, rubber mount, bolt, nut, fuel tank, and seat.	8	03.06.0409	Rear Fender / K7	1
	9	03.06.0402	Mid Side Panel(Lower) / K7 / LH / White	1
		03.06.0403	Mid Side Panel(Lower) / K7 / RH / White	1
	10	03.06.0054	Front Fender Bracket / K7	1
DIAGRAM	Fuel Tank Assy.			
	No.	PART No.	Description	QTY/Bike
 Diagram showing 9 components for the Fuel Tank Assy., numbered 1 through 9. The components include a fuel tank cap, screws, vent hose, flowline, rubber mount, bolt, nut, fuel tank, and seat.	1	03.12.0002	Fuel Tank Cap / s8	1
	2	05.80.04.06010D	Screw M6*10	1
	3	06.45.0026	Vent Hose	1
	4	06.54.0010	Flowline /EPA certification /Rewin	1
	5	03.06.0086	Fuel Tank Rubber Mount(Front) / K7	1
	6	03.06.0284	Bolt / K7	1
	7	05.02.07.0031	Nut M12*1.25/S17	1
	8	03.06.0685	Fuel tank /K7/ EFI status	1
	9	03.06.0552	Seat /K7	1

DIAGRAM	Radiator			
	No.	PART No.	Description	QTY/Bike
	1	03.06.0640	Radiator Protector, Rear Right, siver	1
		03.06.0642	Radiator Protector, Front Right, siver	1
	2	03.06.0639	Radiator Protector, Rear Left, siver	1
		03.06.0641	Radiator Protector, Front Left, siver	1
	3	03.06.0343	Radiator / LH /K7-01	1
	4	03.06.0344	Radiator / RH /K7-01	1
	4-1	03.06.0344-bolt	Right side radiator bot and o ring	1
	5	03.06.0073	Fan / K7-01	1
	6	03.06.0074	Fan Temperature Switch / K7-01	1
	7	03.01.0065	Radiator Hose Clamp 16*25*8MM	10
	8	03.06.0204	Radiator Hose Tee	1
	9	03.06.0075	Radiator Hose Kit	1
	10	03.06.0077		1
	11	03.01.0119		1
	12	03.06.0076		1
	13	03.06.0079		1
	14	03.06.0078		1

DIAGRAM



Lamps Assy.(TM38EX ONLY)

No.	PART No.	Description	QTY/Bike
1	03.06.0025	Headlight Bracket /LH/K7	1
2	03.06.0026	Headlight Bracket /RH/K7	1
3	03.06.0022	Headlight Assy. /K7	1
	03.06.0002	Headlight Mask / K7	1
4	03.01.0123	Radiator Guard Bracket Rubber Mat 10*21MM /A7-04	2
5	03.07.0035	T3 Headlight Bushing / X7-01	2
6	03.02.0026	Count sensor bracket /H7-01	1
7	03.02.0105	Speedmeter / LCD /H7-01	1
8	03.07.0044	Mirror/Left /X7L	1
	03.02.0028	Mirror/Right /X7L	1
9	03.06.0090	Speedmeter Bracket / K7-01	1
10	03.06.0013	Tail Light Bracket / K7	1
11	03.06.0023	Tail Light / K7	1
12	03.06.0024	License Ligh / K7	1
13	03.02.0137	Reflector /H7L	1
14	03.04.0181	Turn Signals / RH	1
15	03.04.0180	Turn Signals / LH	1
16	03.06.0014	Liner Panel, Rear Fender / K7	1