

DIRT BIKE TM31 TM31X Parts Manual

(Version: 1.1 05/13/2025)

DIAGRAM	FRAME & ENGINE SYSTEM			
	No.	PART No.	Description	QTY/Bike
	1	GB70 M8x25	Allen Bolt / M8*25	2
	2	05.01.06.08025D	Flat Allen Bolt / M8*25	2
	3	GB6187 M8	Lock Nut / M8	8
	4	03.05.0033	Rear Rack / K5	1
	5	03.05.0087	Sub Frame	1
	6	03.05.0168	Main Frame	1
	7	GB6187 M10	Lock Nut / M10	2
	8	03.07.0001	Rear Hanging Brack, engine	1
	9	06.30.0019	Loncin YB250D engine	1
	10	03.05.0022	Upper Hanging Bracket,engine / K5-1	2
	11	06.02.0011	Start Lever	1
	12	03.07.0039	Shift Lever	1
	13	B01070806064	Flange Bolt M8*60	3
	14	05.01.02.08095D	Flange Bolt M8*95	2
	15	05.01.02.10115D	Flange bolt M10*115	2
	16	06.17.0009	Front Sprocket Cover	1
	17	05.01.04.06025B	Allen Bolt / M6*25	2
	18	GB6170 M6	Nut M6	2
	19	116101-003	Bolt M6*20	1
	20	GB5781 M6x30	Bolt M6*30	2
	21	03.05.0075	Water-proof Plug, rear rack	2
	22	03.05.0034	Bracket, rear rack / K5	1
	23	STARTER-TM33	STARTING MOTOR(STARTER)	1
	24	ZM STATOR-C	MAGNETO STATOR.	1

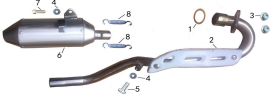
DIAGRAM	Exhaust Pipe Assy.			
	No.	PART No.	Description	QTY/Bike
	1	03.01.0236	Seal Gasket C, exhaust pipe	1
	2	03.05.0054	Exhaust Pipe(Front Part) / K5	1
	3	GB6187 M8	Lock Nut / M8	2
	4	05.05.02.0103	Washer / Ø8*Ø18*1.5	2
	5	05.01.04.08020B	Allen Bolt / M8*20	1
	6	03.05.0055	Muffler only, Rear Silencer K5-01	1
	7	05.01.04.08020B	Bolt / M8*20	1
	8	03.01.0100	Spring, exhaust pipe / A7-02	2

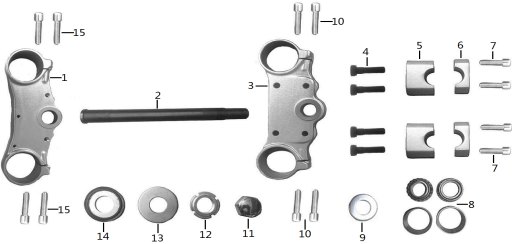
DIAGRAM	Steering Column Assy.			
	No.	PART No.	Description	QTY/Bike
	1+2	03.05.0146	Triple Clamp (Bottom) , including Steering Column	1
	3	03.05.0145	Triple Clamp (Upper) 51 /K5	1
	4	05.01.04.08040H	Allen Bolt / M8*40	4
	5	03.05.0148	Handle Bar Mounts(Bottom) / K5	2
	6	03.05.0147	Handle Bar Mounts(Upper) / K5	2
	7	05.01.04.08030B	Allen Bolts M8*30 Stainless	4
	8	05.04.01.0002	Tappered Roller Bearings (32005)	2
	9	05.05.01.0106	Washer / Ø25*Ø37*1.5mm	1
	10	05.01.04.06025B	Bolt / M6*25	4
	11	03.05.0067	Lock Nut for Triple Clamp (Upper), K5-01	1
	12	03.05.0068	Lock Nut for Steering Column / K5-01	1
	13	03.05.0024	Dust Cover, steering column / Upper / K5-01	1
	14	03.05.0025	Dust Cover, steering column / Bottom / K5-01	1
	15	GB70 M8x25	Allen Bolt / M8*25	4

DIAGRAM	Footpegs & Stand Assy.			
	No.	PART No.	Description	QTY/Bike
	1	03.06.0035	Foot pegs / LH / K7-01	1
	2	03.06.0036	Foot pegs / RH / K7-01	1
	3	03.06.0039	Returning Spring, footpegs / LH / K7-01	1
	4	03.06.0040	Footpegs Spring R.	1
	5	03.03.0030	Latch, footpegs / K1-01	2
	6	9.500.230	Cotter Pin ?2.5x30	2
	7	03.05.0181	Bracket, side stand / K5-01	1
	8	GB5787 M8x25	Bolt M8*25	2
	9	GB6187 M8	Lock Nut / M8	2
	10	03.05.0180	Side Stand / K5	1
	11	05.80.08.10035D	Hex Bolt M10*35	1
	12	GB6170 M10	Hex Nut M10*1.25	1
	13	03.01.0032	Spring, side stand / K7-01	1

DIAGRAM	Linkage Assy.			
	No.	PART No.	Description	QTY/Bike
	1		Oil Seal, linkage lever -Sale as Triangle Lever Linkage Arm Assy 03.05.0158	2
	2		Needle Roller Bearings -Sale as Triangle Lever Linkage Arm Assy 03.05.0158	1
	3	03.05.0158	Triangle Lever Linkage Arm Assy, including bearing and bushing	1
	4		Oil Seal, linkage -Sale as 03.05.0158 or 03.06.0319	6
	5		Spacer, linkage connecting rod, 17*12.5*77 -Sale as Linkage Arm Assy 03.06.0319	1
	6	GB6187 M10	Lock Nut / M10*1.25	2
	7	05.01.02.10085D	Bolt / M10*85*1.25, For spacer 19	1
	8	GB5789 M10x68	Bolt / M10*65*1.25 for spacer 18	1
	8-1	05.01.13.10043D	T-shape Bolt M10*43*1.25 for spacer 20	1
	9	GB6187 M8	Lock Nut / M8	1
	10		Deep-groove Ball Bearings(608)-Sale as Chain Roller 03.01.0034	2
	11	03.01.0034	Chain Roller / Bottom / A7-01	1
	12		Spacer, chain roller-Sale as Chain Roller 03.01.0034	1
	13	05.02.03.0105	Nut M12*1.25	1
	14		Needle Roller Bearings -Sale as 03.05.0158 or 03.06.0319	6
	15	03.06.0319	Linkage Arm Assy, including bearing and bushing	1
	16	12.06.0010	Linkage Axle M12*145	1
	17	06.35.0014	Chain 520-112L /SF	1
	18		Spacer, linkage lever, 17*10.5*39.5 -Sale as Triangle Lever Linkage Arm Assy 03.05.0158	1
	19		Spacer, linkage lever, 17*10.5*58 -Sale as Triangle Lever Linkage Arm Assy 03.05.0158	1
	20		Linkage Spacer, 20*10.5*20.2 -Sale as Triangle Lever Linkage Arm Assy 03.05.0158	1

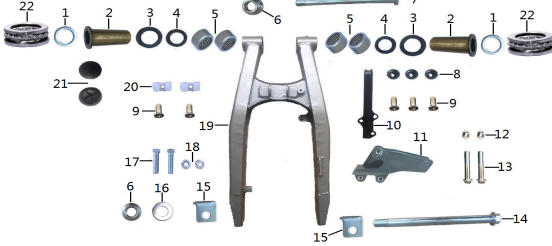
DIAGRAM	Rear Swingarm Assy.			
	No.	PART No.	Description	QTY/Bike
	1		Spacer-sale as Rear Swingarm Assy 03.05.0098	2
	2		Bushing-sale as Rear Swingarm Assy 03.05.0098	2
	3		Oil Seal-sale as Rear Swingarm Assy 03.05.0098	2
	4		Oil Seal-sale as Rear Swingarm Assy 03.05.0098	2
	5		Tappered Roller Bearings-sale as Rear Swingarm Assy 03.05.0098	4
	6	05.02.03.0107	Locking Nut M16	2
	7	05.01.02.17240D	Swingarm Axle, M16*240	1
	8	03.01.0102	Fixed Cap, chain slider / A7-01	3
	9	05.01.07.06012D	Phillips bolt M6*12	5
	10	03.01.0101	Chain Slider / A7-01	1
	11	03.07.0027	Chain Guide / X7-01	1
	12	GB6187 M6	Lock Nut / M6	2
	13	GB5781 M6x30	Bolt / M6*30	2
	14	05.01.02.17245D	Rear Axle, Bolt / M16*245	1
	15	03.05.0070	Chain Adjustor / K5-01	2
	16	05.05.01.0113	Waher Ø17*Ø30*3	1
	17	GB5785-86-45	Bolt M10*45*1.25	2
	18	GB6170 M10	Hex Nut M10*1.25	2
	19	03.05.0098	Rear Swingarm Assy, including bearing spacer/ K5-02	1
	20	03.03.0012	Hose Holder, rear brake / K1-01	2
	21	03.06.0051	Swingarm Plug	2
	22		Thrust Bearings-sale as Rear Swingarm Assy 03.05.0098	2

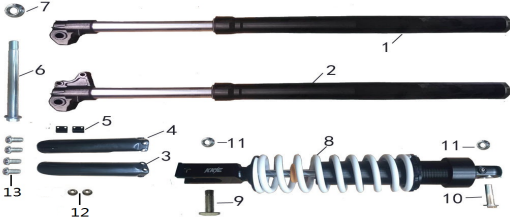
DIAGRAM	Suspension Assy.			
	No.	PART No.	Description	QTY/Bike
	1	03.05.0074	Front Fork / RH /	1
	2	03.05.0073	Front Fork / LH /	1
	3	03.05.0384	Front Fork Guard / RH / K5-01	1
	4	03.05.0382	Front Fork Guard / LH / K5-01	1
	5	03.01.0072-metal	Front fork guard tubing clamp /lowerfor front fork	2
	6	05.01.02.15235D	Front Wheel Axle, Front axle. M14*235	1
	7	05.02.03.0106	Lock Nut / M14	1
	8	03.05.0094	Rear shock absorption /K5-01/ Easy to think of	1
	9	05.01.13.10043D	T-shape Bolt M10*43*1.25	1
	10	05.01.02.10060D	Bolt M10*60	1
	11	GB6187 M10	Lock Nut M10	2
	12	GB6187 M6	Lock Nut M6	2
	13	9.129.616	Allen bolt M6*16	8

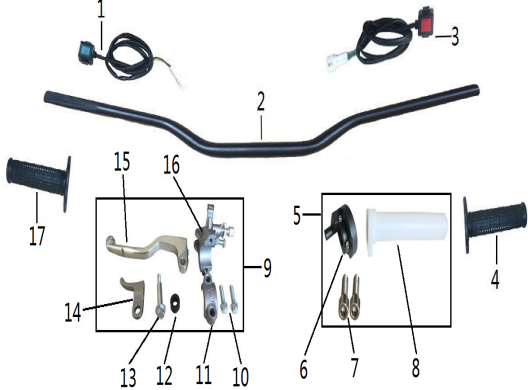
DIAGRAM	Steering Handle Assy.			
	No.	PART No.	Description	QTY/Bike
	1	06.31.0002	Start Switch TM31	1
		06.31.0006	Start Switch TM31X	1
	2	06.44.0006	Handle Bar 6061	1
	3	06.31.0003	Kill Switch TM31	1
		06.31.0005	Kill Switch TM31X	1
	4+17	03.01.0367	Grip LH & RH Green Set	1
		03.01.0280	Grip LH & RH 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
	5	03.07.0080	Throttle Housing Assy. / X7-01	1
	6		Throttle Housing-Sale as Throttle Housing Assy 03.07.0080	1
	7	9.129.616	Allen Bolt / M6*16	2
	8		Handle Core-Sale as Throttle Housing Assy 03.07.0080	1
	9	03.06.0236	Clutch Lever Assy, with Choke / K7-02 / AJ	1
	10	06.08.0520	Bolt M6*20	2
	11		Mounts(Upper), clutch lever-Sale as Clutch Lever Assy 03.06.0236	1
	12		Spacer/ Ø24*Ø15*Ø8 / Black-Sale as Clutch Lever Assy 03.06.0236	1
	13		Bolt / M6*Ø8*42-Sale as Clutch Lever Assy 03.06.0236	1
	14		Choke Lever-Sale as Clutch Lever Assy 03.06.0236	1
	15	06.08.0503	Clutch Lever only, silver	1
	16		Mounts(Bottom), Clutch lever-Sale as Clutch Lever Assy 03.06.0236	1

DIAGRAM		Brake Assy.			
		No.	PART No.	Description	QTY/Bike
		1	03.05.0014	Rear Brake Assy for TM31/35	1
			03.05.0017	Rear Brake Assy for TM31X/35X	1
		2		Bracket, rear brake-Sale as Rear Brake Assy 03.05.0017	1
		3		Rear Brake Caliper-Sale as Rear Brake Assy 03.05.0017	1
		4	06.08.0550	Rear Brake Pads / AJ	2
		5		Rear Brake Hose-Sale as Rear Brake Assy 03.05.0017	1
		6		Rear Brake Master Cylinder / HK-Sale as Rear Brake Assy 03.05.0017	1
		7		Fish-eye Joinball-Sale as Rear Brake Assy 03.05.0017	1
		8	121001	Hex Bolt M6*25	1
		9	05.01.06.06025B	Flat Hex Socket Head Bolt / M6*25	2
		10	GB6187 M6	Lock Nut / M6	3
		11	GB97 78	Washer Ø8	2
		12	GB5789 M8x35	Bolt M8*35	2
		13	03.05.0015	Front Brake Assy/K5-01/AJ for TM31	1
			03.05.0212	Front Brake Assy./K5-01/AJ for TM31X	1
		14		Front Brake Hose-Sale as Front Brake kit	1
		15	06.08.0512	front brake pads, set	2
		16	05.02.15.0064	Front Brake bracket	1
		17		Front Brake Caliper-Sale as Front Brake kit	1
		18	06.08.0531	Front Brake Lever only	1
		19		Front Brake Master Cylinder /HK-Sale as Front Brake Assy	1
		20		Washer-Sale as Rear Brake Lever 03.05.0162	2
		21		Deep-groove Ball Bearings-Sale as Rear Brake Lever 03.05.0162	2
		22	03.05.0162	Rear Brake lever	1
23	GB5789 M8x35	Hex Flange Bolt M8*35	1		
24	03.05.0018	Returning Spring, rear brake / K5-01	1		

DIAGRAM

Wheel Assy.

No.	PART No.	Description	QTY/Bike
1	03.04.0063	Spacer No.6, front wheel / K5-01	2
2+7+8	03.05.0508-wheel-New	New, Front Wheel Assy, 80*100-19	1
2	03.05.0508	Front Rim Assy. / K5-01, 1.60*19.	1
3		Deep-groove Ball Bearings(6302)-Sale as Front Rim Assy 03.05.0508	2
4		Front rim-Sale as Front Rim Assy 03.05.0508	1
5		Oil Seal-Sale as Front Rim Assy 03.05.0508	2
6		Spacer-Sale as Front Rim Assy 03.05.0508	1
7	06.42.0435	New, Front inner tube for 80*100-19	1
8	06.42.0434	New, Front Tire 80*100-19	1
9	GB6187 M6	Metal Hex Flange Retaining Nut / M6	10
10	06.08.0306	Front Brake Disc	1
11	05.01.01.06020B	Hex Bolt M6*20	10
12	05.02.07.0001	Nut M8	1
13	05.01.05.08033B	Screw M8*33 for Rear Sprocket	6
14	03.07.0117	Rear Sprocket 520-47T	1
15	GB6187 M8	Lock Nut / M8	6
16	GB97 78	Washer Ø8*Ø16*1.5	1
17+22+23	03.05.0509-wheel-New	New, Rear Wheel Assy, 110*90-16	1
17	03.05.0509	Rear Rim Assy. / K5-01, 1.85x16	1
18		Deep-groove Ball Bearings(6203)-Sale as Rear Rim Assy 03.05.0509	3
19		Rear rim-Sale as Rear Rim Assy 03.05.0509	1
20		Oil Seal-Sale as Rear Rim Assy 03.05.0509	2
21		Spacer-Sale as Rear Rim Assy 03.05.0509	1
22	06.42.0423	New, Rear inner tube for 110*90-16	1
23	06.42.0422	New, rear tire 110*90-16	1
24	06.08.0308	Rear Brake Disc	1
25	06.42.0319	Cushion, inner tube lock	1
26	06.42.0315	Front Inner Tube Lock	1
27	06.42.0316	Rear Inner Tube Lock	1
28	03.05.0060	Spacer No.6, rear wheel / LH / K5-01	1
29	03.05.0061	Spacer No.6, rear wheel / RH / K5-01	1

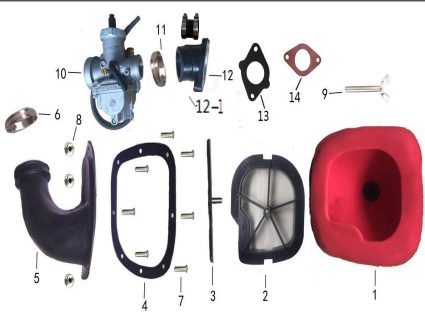
DIAGRAM	Air Filter & Carburetor Assy.			
	No.	PART No.	Description	QTY/Bike
	1	03.05.0157	Sponge, air filter / K5	1
	2	03.05.0041	Stainless steel sponge of air filter	1
	3	03.05.0042	Strip, air filter / K5	1
	4	03.05.0043	Plate, air filter hose / K5	1
	5	03.05.0040	Intake soft pipe, air filter / K5	1
	6	03.05.0044	Clamp, air filter	1
	7	116106-002	Screw M6*16	8
	8	GB6187 M6	Lock Nut M6	8
	9	05.80.01.06055B	Butterfly-shap Bolt M6*55	1
	10	06.27.0179	Carburetor PE28	1
	11	03.04.0082	Clamp, intake pipe, 27-51mm	2
	12	03.05.0290	Intake Pipe, Carburetor	1
	12-1	06.27.0201	Connector of Carburetor	1
	13	06.02.0028	Bakelite Gasket	1
	14	06.07.0045	Seal Gasket, intake pipe	1

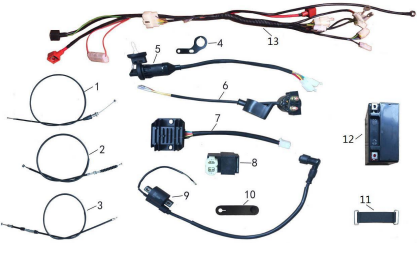
DIAGRAM	Electronic Parts			
	No.	PART No.	Description	QTY/Bike
	1	03.07.0061	Throttle Cable / ZMX7-250	1
	2	03.07.0062	Clutch Cable / ZMX7-250	1
	3	03.07.0063	Choke Cable / ZMX7-250	1
	4	03.05.0122	Bracket, ignition switch / K5	1
	5	06.13.0003	Ignition Switch TM31	1
		06.13.0001	Ignition Switch TM31X	1
	6	06.14.0007	Relay / CB	1
	7	06.14.0008	Rectifier No.1 / CB	1
	8	06.02.0016	CDI / CB-223	1
	9	06.14.0009	Ignition Coil / CB	1
	10	06.26.0003	Clip	6
	11	03.01.0043	Battery Belt / A7-01	1
	12	06.12.0212	Battery / 12V 5AH	1
	13	03.05.0127	Main Wire Harness, Air Cooling / K5 TM31	1
		03.05.0126	Main Wire Harness TM31X	1

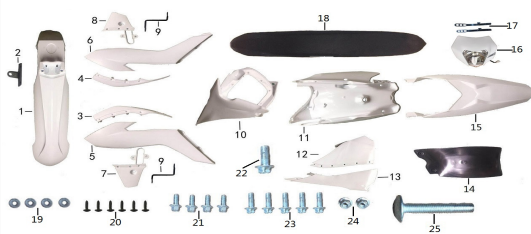
DIAGRAM	Plastic Parts			
	No.	PART No.	Description	QTY/Bike
	1	03.01.0006	Front Fender / NB-115/A7/K5	1
	2	03.05.0053	Bracket, front fender K5	1
	3	03.05.0001	Front Upper Guard / LH / K5	1
	4	03.05.0002	Front Upper Guard / RH / K5	1
	5	03.05.0005	Front Middle Guard / LH / K5	1
	6	03.05.0006	Front Middle Guard / RH / K5	1
	7	03.05.0003	Front Bottom Guard / LH / K5	1
	8	03.05.0004	Front Bottom Guard / RH / K5	1
	9	03.05.0057	Bracket, front guard / K5	2
	10	03.05.0010	Rear Side Panel, Right, K5, air filter box	1
	11	03.05.0009	Rear Guard Assy./L&RH/ K5	1
	12	03.05.0008	Rear Side Panel, Left, Lower / K5	1
	13	03.05.0007	Rear Side Panel, Left, Upper / K5	1
	14	03.05.0012	Mud Flap, K5	1
	15	03.05.0011	Rear Fender / K5	1
	16	03.06.0108	Front Headlight / KMT-02	1
	17	03.05.0474	Belt, headlight / KTM-02(K5)	2
	18	03.05.0088	Seat Assy./ K5 black	1
		03.05.0478	Seat Assy./ K5. With red stripe	1
		03.05.0479	Seat Assy./ K5. With orange stripe	1
	19	GB97 6	Washer	8
	20	05.01.11.0012D	Screw/ ST4.2*13	20
	21	GB5789 M6x12	Bolt M6*12	6
	22	GB5787 M8x25	Bolt M8*25	
	23	GB5783 M6x16	Bolt M6*16	6
	24	GB6187 M6	Lock Nut / M6	2
	25	05.01.08.06035D	Bolt M6*35	1

DIAGRAM	Oil Feeding System			
	No.	PART No.	Description	QTY/Bike
	1	03.05.0175	Fuel Tank / K5-01	1
	2	05.01.08.06035D	Bolt M6*35	1
	3	03.04.0085	Front Positioning Spacer, seats / K3-01	1
	4	03.05.0085	Fuel Cap / K5, K7	1
	5	06.54.0004	Fuel Filter- Model C	1
	6	05.01.12.06010B	Allen bolt M6*10	2
	7	05.01.06.06010B	Bolt / M6*10	4
	8	06.54.0003	Outlet Oil Hose	3
	9	06.45.0026	Vent Hose	1
	10	05.08.0008	ø 9 Clamp, oil pipe	6
	11	03.05.0185	Fuel Cock	1

DIAGRAM	Lamp/bracket/reflector (TM31X ONLY)			
	No.	PART No.	Description	QTY/Bike
	1	03.05.0111	bracket for Speedometer	1
	2	03.02.0106	Speed sensing line /H7-01/	1
	3+13	03.07.0120	Rear Tail Lamp Bracket, with tail light, reflector and both turn signal TM31X	1
	3-1	03.05.0445	Tail light TM31X	1
	3-2	03.02.0137	Reflector /H7L	1
	3-3	03.07.0118		
	4	03.07.0044	Rearview mirror/left /X7L	1
	5	03.07.0045	Rear-view mirror/right /X7L	1
	6	06.14.0002	Unfound flasher /LED model	1
	7	03.05.0185	oil switch	1
	8	03.02.0105	Speedometer / LCD /H7-01	1
	9	03.01.0123	Rubber gasket of water tank bracket/rubber ring of T3 headlight /A7-04	1
	10	06.25.0003	Rear-view mirror seat /K3	2
	11	03.05.0129	License plate lining bracket connecting plate /K5	1
	12	03.05.0414	Sensor support /K5	1
	13	03.02.0270	Turn signal/Left/Right/Ou Ronglai	2
	14	06.55.0001	Horn	1