



ACB 125 CBF/CBT

**GENERAL****BATTERY/CHARGING SYSTEM**

ITEM			SPECIFICATIONS	
Battery	Type		YTZ6V / GTZ6V	
	Capacity		12 V - 5 Ah	
	Current leakage	ACB125CBF		0.12 mA max.
		ACB125CBT		1.78 mA max.
	Voltage	Fully charged		12.8 V minimum
		Needs charging		Below 12.3 V
Charging current	Normal		0.5 A/5 - 10 h	
	Quick	YTZ6V	2.5 A/1 h	
		GTZ6V	5 A/0.5 h	
Alternator	Capacity		0.23 kW/5,000 rpm	
	Charging coil resistance (20°C)		0.03 - 0.20 Ω	

LIGHTS/METERS/SWITCHES

ITEM			SPECIFICATIONS
Bulbs	Headlight		LED
	Brake/tail light		LED
	license light		LED
	Turn signal light		LED
	High beam indicator		LED
	Turn signal indicator		LED
	MIL		LED
	Idle stop indicator (ACB125CBT)		LED
Fuse	Main fuse		25 A
	Sub fuse		10 A x 5
Fuel level sensor resistance	Full		6 - 10 Ω
	Empty		384 - 396 Ω

TORQUE VALUE

- Each fastener should be tightened to the standard torque value except the fasteners specified torque value.
- Q'TY: Quantity, DIA: Thread diameter (mm), TRQ: Tightening torque (N·m)

STANDARD TIGHTENING TORQUE

FASTENER TYPE	TRQ	FASTENER TYPE	TRQ
5 mm hex bolt and nut	5.2	5 mm screw	4.2
6 mm hex bolt and nut	10	6 mm screw	9.0
8 mm hex bolt and nut	22	6 mm flange bolt	12
10 mm hex bolt and nut	34	8 mm flange bolt and nut	27
12 mm hex bolt and nut	54	10 mm flange bolt and nut	39

FUEL PUMP UNIT

ITEM	Q'TY	DIA	TRQ	REMARKS
Fuel pump set plate nut	4	6	12	

AIR CLEANER

ITEM	Q'TY	DIA	TRQ	REMARKS
Air cleaner connecting band screw	1	4	2.1	
Air cleaner housing cover screw	7	5	1.1	

THROTTLE BODY

ITEM	Q'TY	DIA	TRQ	REMARKS
Throttle cable A (throttle body side)	1	8	8.5	
Throttle cable A adjust lock nut	1	7	3.8	

GENERAL INFORMATION

ITEM	Q'TY	DIA	TRQ	REMARKS
Throttle cable B (throttle body side)	1	8	8.5	
Fast idle solenoid valve torx screw	2	5	3.4	
Fuel injector joint mounting bolt	2	6	12	

LUBRICATION SYSTEM

ITEM	Q'TY	DIA	TRQ	REMARKS
Oil pump mounting bolt	2	6	10	
Engine oil drain bolt	1	12	24	
Engine oil strainer screen cap	1	30	20	

COOLING SYSTEM

ITEM	Q'TY	DIA	TRQ	REMARKS
Radiator drain bolt	1	10	1	
Radiator base screw	6	4	0.8	
Radiator top cover screw	2	4	3.2	
Radiator cover bolt	3	6	6	
Radiator distance bolt	4	7	16.5	

CYLINDER HEAD/VALVES

ITEM	Q'TY	DIA	TRQ	REMARKS
Camshaft stopper bolt	1	6	10	
Rocker arm shaft stopper bolt	2	5	5	Apply engine oil.
Cam sprocket bolt	2	5	8	Apply engine oil.
Cam chain tensioner lifter screw	1	6	4	
Cylinder head nut	4	8	27	Apply engine oil.
Intake pipe stud bolt	2	6	-	→2-8

CYLINDER/PISTON

ITEM	Q'TY	DIA	TRQ	REMARKS
Cylinder stud bolt	4	8	-	→2-28

DRIVE TRAIN

ITEM	Q'TY	DIA	TRQ	REMARKS
Drive pulley face nut	1	14	59	Apply engine oil.
Clutch/driven pulley nut	1	28	54	
Clutch outer nut	1	12	49	

FINAL REDUCTION DRAIN BOLT

ITEM	Q'TY	DIA	TRQ	REMARKS
Final reduction case bolt	6	8	23	
Final reduction oil drain bolt	1	8	23	

ALTERNATOR/STARTER

ITEM	Q'TY	DIA	TRQ	REMARKS
Stator mounting socket bolt	3	6	10	
CKP sensor mounting special bolt	1	6	10	
Flywheel nut	1	12	69	
Cooling fan mounting bolt	3	6	8.5	

ENGINE REMOVAL/INSTALLATION

ITEM	Q'TY	DIA	TRQ	REMARKS
Engine hanger link pivot nut (frame side)	1	10	69	U-nut
Engine hanger link pivot nut (engine side)	1	10	49	U-nut



GENERAL INFORMATION

BODY PANELS

ITEM	Q'TY	DIA	TRQ	REMARKS
Rear inner fender (engine side)	1	6	10	
Rear inner fender (air cleaner side)	1	6	3.5	
Reflex reflector	1	5	1.5	

SIDESTAND

ITEM	Q'TY	DIA	TRQ	REMARKS
Sidestand pivot bolt	1	10	10	
Sidestand pivot lock nut	1	10	29	U-nut

EXHAUST PIPE/MUFFLER

ITEM	Q'TY	DIA	TRQ	REMARKS
Muffler protector mounting bolt	2	6	10	
Exhaust pipe stud bolt	2	7	-	→3-20
Exhaust pipe joint nut	2	7	29	→3-20
Muffler mounting bolt	2	10	59	
Muffler cap tail	3	6	10	

FRONT WHEEL

ITEM	Q'TY	DIA	TRQ	REMARKS
Front axle nut	1	12	59	U-nut
Front brake disc socket bolt	4	8	42	Pre-coated (ALOC) bolt, replace with a new one.

FORK

ITEM	Q'TY	DIA	TRQ	REMARKS
Fork socket bolt	2	8	20	Apply locking agent.
Bottom bridge pinch bolt	4	10	64	
Brake caliper mounting bolt	2	8	30	Pre-coated (ALOC) bolt, replace with a new one.

HANDLEBAR

ITEM	Q'TY	DIA	TRQ	REMARKS
Handlebar post nut	1	10	59	U-nut
Throttle cable A (handlebar side)	1	10	1.5	
Throttle cable B (handlebar side)	1	12	1.5	
Rear brake lever pivot screw	1	5	1	
Rear brake lever pivot nut	1	5	4.5	U-nut
Right/left handlebar switch	4	5	2.5	

STEERING STEM

ITEM	Q'TY	DIA	TRQ	REMARKS
Steering stem top thread	1	26	2.5	→3-26
Steering stem lock nut	1	26	74	→3-26

REAR WHEEL

ITEM	Q'TY	DIA	TRQ	REMARKS
Rear axle nut	1	16	118	U-nut, apply engine oil

REAR SUSPENSION

ITEM	Q'TY	DIA	TRQ	REMARKS
Shock absorber lower bolt	1	8	26	
Shock absorber upper mounting nut	1	10	24	

GENERAL INFORMATION

BRAKE SYSTEM

ITEM	Q'TY	DIA	TRQ	REMARKS
Brake caliper bleed valve	1	7	7.9	
Front brake master cylinder reservoir cap screw	2	4	1.5	
Front brake light switch screw	1	4	1	
Brake pad pin	1	10	15	
Front brake lever pivot bolt	1	6	1	
Front brake lever pivot nut	1	6	6	
Brake hose oil bolt	2	10	34	
Brake caliper mounting bolt	2	8	30	Pre-coated (ALOC) replace with a new
Rear brake arm bolt	1	6	10	Pre-coated (ALOC) replace with a new
Equalizer rod pivot bolt	1	5	1	
Equalizer rod pivot nut	1	5	4.5	U-nut
Equalizer cover screw	1	5	4.2	Pre-coated (ALOC) replace with a new
CBS adjuster lock nut	1	8	6.4	

PGM-FI SYSTEM

ITEM	Q'TY	DIA	TRQ	REMARKS
ECT sensor	1	10	12	
O ₂ sensor	1	12	25	

IGNITION SYSTEM

ITEM	Q'TY	DIA	TRQ	REMARKS
Spark plug	1	10	16	

LIGHTS/METERS/SWITCHES

ITEM	Q'TY	DIA	TRQ	REMARKS
License light unit mounting screw	2	4	1.2	
VS sensor protector socket bolt	2	6	10	Apply locking agent
Ignition switch mounting screw	2	6	9	Pre-coated (ALOC) replace with a new
Seat lock cable cover	1	4	1.2	

OTHERS

ITEM	Q'TY	DIA	TRQ	REMARKS
Brake shoe anchor pin nut (When using the stake nut)	1	8	20	
(When using the normal nut)			18	