



SPECIFICATIONS

GENERAL SPECIFICATIONS

Model	XJR1300 (P)
Model code:	5EAT/5EAW (EUR) 5EAU/5EAX (for D) 5EAV/5EAY (for AUS)
Dimensions:	
Overall length	2,175 mm
Overall width	775 mm
Overall height	1,115 mm
Seat height	790 mm
Wheelbase	1,510 mm
Minimum ground clearance	120 mm
Minimum turning radius	2,800 mm
Basic weight:	
With oil and full fuel tank	247 kg
Carburetor:	
Type/quantity	BSR37/4
Manufacturer	MIKUNI
Transmission:	
Primary reduction system	Spur gear
Primary reduction ratio	98/56 (1.750)
Secondary reduction system	Chain drive
Secondary reduction ratio	39/18 (2.167)
Transmission type	Constant mesh 5-speed
Operation	Left foot operation
Gear ratio 1st	40/14 (2.857)
2nd	36/18 (2.000)
3rd	33/21 (1.571)
4th	31/24 (1.292)
5th	29/26 (1.115)

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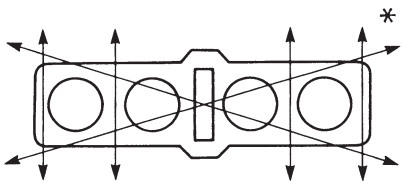
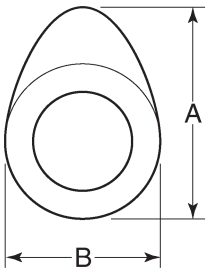
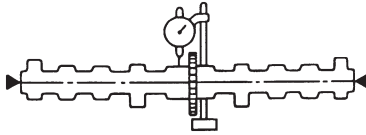


Model	XJR1300 (P)
Tire: Type Size front rear Manufacturer front rear Type front rear	Tubeless 120/70ZR17 (58W)/ 120/70ZR17 M/C (58W) 180/55ZR17 (73W)/ 180/55ZR17 M/C (73W) MICHELIN/DUNLOP MICHELIN/DUNLOP MACADAM90X E/D220F ST M MACADAM90X E/D220 ST M
Tire pressure (cold tire): Maximum load-except motorcycle Loading condition A * front rear Loading condition B * front rear High-speed riding front rear	203 kg 0 ~ 90 kg 250 kPa (2.5 kg/cm ² , 2.5 bar) 250 kPa (2.5 kg/cm ² , 2.5 bar) 90 ~ 203 kg 250 kPa (2.5 kg/cm ² , 2.5 bar) 290 kPa (2.9 kg/cm ² , 2.9 bar) 250 kPa (2.5 kg/cm ² , 2.5 bar) 290 kPa (2.9 kg/cm ² , 2.9 bar)

*Load is the total weight of cargo, rider, passenger, and accessories.



MAINTENANCE SPECIFICATIONS
ENGINE

Model	Standard	Limit
<p>Cylinder head: Warp limit</p> 	<p>•••</p>	<p>0.2 mm</p>
<p>Cylinder: Bore size Taper limit Out of round limit Wear limit</p>	<p>79.00 ~ 79.01 mm ••• ••• ••• •••</p>	<p>••• 0.05 mm 0.1 mm 79.1 mm</p>
<p>Camshaft: Drive method Cam cap inside diameter Camshaft outside diameter Shaft-to-cap clearance Cam dimensions</p>  <p>Intake "A" "B" Exhaust "A" "B"</p> <p>Camshaft runout limit</p> 	<p>Chain drive (Center) 25.000 ~ 25.021 mm 24.967 ~ 24.980 mm 0.020 ~ 0.054 mm</p> <p>35.95 ~ 36.05 mm 28.058 ~ 28.158 mm 35.95 ~ 36.05 mm 28.045 ~ 28.145 mm •••</p>	<p>••• ••• ••• •••</p> <p>35.85 mm 27.958 mm 35.85 mm 27.945 mm 0.03 mm</p>

MAINTENANCE SPECIFICATIONS

SPEC



Tightening torques

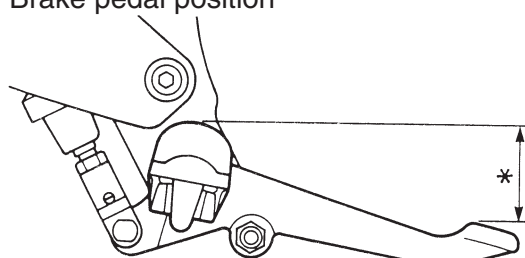
Part to be tightened	Part name	Thread size	Q'ty	Tightening torque		Remarks
				Nm	m•kg	
Carburetor joint and carburetor	Band	M4 × 0.7	4	2.7	0.27	
Carburetor and air filter joint	Clamp	M4 × 0.7	4	2.7	0.27	
Air induction system pipe joint	–	–	4	3.7	0.37	
Air induction system	Bolt	M6 × 1.0	2	10	1.0	

MAINTENANCE SPECIFICATIONS

SPEC



CHASSIS

Model	Standard	Limit
Front suspension: Front fork travel Fork spring free length Fitting length Collar length Spring rate (K1) (K2) Stroke (K1) (K2) Optional spring Oil capacity Oil level Oil grade	130 mm 308.3 mm 287.3 mm 245 mm 6.4 N/mm (0.65 kg/mm) 10.8 N/mm (1.1 kg/mm) 0 ~ 85 mm 85 ~ 130 mm No 568 cm ³ 118 mm Fork oil 10W or equivalent	... 300 mm
Rear suspension: Shock absorber travel Spring free length Fitting length Spring rate (K1) (K2) (K3) (K4) Stroke (K1) (K2) (K3) (K4)	93 mm 230 mm 209 mm 19.4 N/mm (1.98 kg/mm) 21.4 N/mm (2.18 kg/mm) 26.3 N/mm (2.68 kg/mm) 28.2 N/mm (2.88 kg/mm) 0 ~ 13 mm 13 ~ 50 mm 50 ~ 67.5 mm 67.5 ~ 93.0 mm	... 225 mm
Front wheel: Type Rim size Rim material Rim runout limit radial lateral	Cast wheel 17 × MT3.50 or 17 M/C × MT3.50 Aluminum 1 mm 0.5 mm
Rear wheel: Type Rim size Rim material Rim runout limit radial lateral	Cast wheel 17 × MT3.50 or 17 M/C × MT3.50 Aluminum 1 mm 0.5 mm
Drive chain: Type/manufacturer No. of links Chain free play	50VA8/DAIDO 112 20 ~ 30 mm
Brake lever & brake pedal: Brake pedal position 	40 mm	...

MAINTENANCE SPECIFICATIONS

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Tightening torques

Part to be tightened	Part name	Thread size	Q'ty	Tightening torque		Remarks
				Nm	m•kg	
Throttle cable and carburetor Ignition coil	Nut	M6 × 1.0	2	4	0.4	
	Nut	M6 × 1.0	2	6.5	0.65	

MAINTENANCE SPECIFICATIONS

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ELECTRICAL

Model	Standard	Limit
T.C.I.:		
Pickup coil resistance/color	248 ~ 372 Ω /W/R-W/G	...
T.C.I. unit model/manufacturer	TNDF63/DENSO (except for D) TNDF64/DENSO (for D)
Charging system:		
Type	A.C. generator	...
Model/manufacturer	B3G/DENSO	...
Normal output	13.5 V 28 A/5,000 r/min	...
Rotor coil resistance	2.8 ~ 3.0 Ω	...
Stator coil resistance	0.19 ~ 0.21 Ω	...
Brush overall length	13.7 mm	4.7 mm
Spring force	5.10 ~ 5.69 N (0.52 ~ 0.58 kg)	...
Voltage regulator:		
Type	Semi-conductor, field control type	...
Model/manufacturer	B3G/DENSO	...
No load regulated voltage	14.2 ~ 14.8 V	...
Electric starter system:		
Type	Constant mesh type	...
Starter motor:		
Model/manufacturer	SM-13/MITSUBA	...
Output	0.65 kW	...
Brush overall length	10 mm	5 mm
Spring force	8.82 N (899 kg)	...
Commutator diameter	28 mm	27 mm
Mica undercut	0.7 mm	...
Starter relay:		
Model/manufacturer	MS5E-491/JIDECO	...
Amperage rating	180 A	...
Coil winding resistance	4.2 ~ 4.6 Ω	...
Starting circuit cut-off relay:		
Model/manufacturer	G8R-30Y-P/OMRON	...
Coil winding resistance	162 ~ 198 Ω	...
Diode	Yes	...
Circuit breaker:		
Type	Fuse	...
Amperage for individual circuit × Q'ty		
MAIN	40 A × 1	...
HEAD LIGHT	15 A × 1	...
SIGNAL	15 A × 1	...
IGNITION	15 A × 1	...
TURN	15 A × 1	...
Reserve	40 A × 1	...
	15 A × 1	...