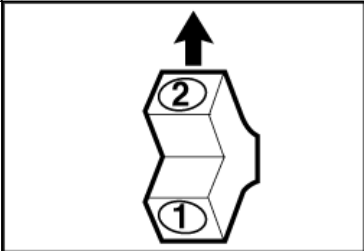


/Autodata <i>Motorcycles 2003</i>	Manufacturer	Yamaha	
	Model	XV 1600A Wild Star	
	Tuned for		
© Autodata Ltd 2003 03-CDX-MCD V1.030	Year	1999-03	
Capacity/cylinders	cm³/cyl	1602/2	
Output	kW (DIN hp) rpm	46,0 (63) 4000	
Bore/Stroke	mm	95/113	
Fuel grade/2 or 4 stroke	octane/2 or 4	91/4	
Suitable for unleaded petrol	yes/no	Yes	
Valve clearance - IN	mm	0-0,04 cold	
Valve clearance - EX	mm	0-0,04 cold	
Compression pressure	bar	10-12	
Oil pressure	bar/rpm	0,6/900	
Ignition system	Type	TCI	
Coil - primary resistance		1,53-2,07	
Coil - secondary resistance		12000-18000	
Pick-up coil resistance		248-372	
Firing order		1-2	
Cylinder layout			
Ignition timing BTDC - basic	Engine/rpm	10/1000	
Ignition advance - maximum	Engine/rpm	40/4000	
Spark plugs	Make	NGK	
	Type	DPR7EA-9	
Gap	mm	0,8-0,9	
	Make	Denso	
	Type	X22EPR-U9	
Gap	mm	0,8-0,9	
Carburettor/Injection System	Make	Mikuni	
	Type	BSR 40	
Idle speed	rpm	900±50	
Main jet		165	
Needle jet		X-2	
Idle jet		35	
Needle type/position		6HDC27/3	
Pilot screw opening	No. of turns	2,5	
Fuel level	mm	2-3	
Battery and charging			
Alternator output - maximum	A/rpm	21/5000	
Regulated voltage	V/rpm	14,1-14,9	
Battery	Type	YTX20L-BS	
Voltage/capacity	V/Ah	12/18	
Bike kerb weight	kg	332	
Lubricants and capacities (service refill)			
Engine oil - grade	SAE	10W/40	
Engine oil - classification	API	SG	
Engine oil with filter	litres	4,1	
Final drive oil grade	SAE	80	
	cm³	400	
Front forks oil	SAE	5	

Front forks oil	LH/RH	110/110 mm	
Clutch			
Final drive chain/belt	Make		
	Type	UBD-0568	
Free play	mm	7,5-13	
Tyres			
Front tyre	size	130/90 16 67H	
Pressure solo/pillion	bar (psi)	2,5 (36)	
Rear tyre	size	150/80B 16 71H	
Pressure solo/pillion	bar (psi)	2,5 (36)/2,8 (41)	
Tightening Torques			
Cylinder head	Stage 1	25 Nm	
	Stage 2	50 Nm	
	Stage 3	M10=39 Nm	
Cam cover		10 Nm	
Magneto/flywheel		160 Nm	
Crankshaft sprocket/gear		115 Nm	
Clutch hub		70 Nm	
Spark plugs		18 Nm	
Wheel spindle	front	78 Nm	
	rear	150 Nm	
Wheel spindle clamp	front	19 Nm	