

<i>C & A = Check and Adjust</i> <i>D & R = Drain and Refill</i> <i>R & I = Remove and Install</i> <i>S & R = Strip and Rebuild</i> <i>Sep = Separate</i>	ADB No.	26547	26549	26548	26551
	Model	R100 GS	R100 GS	R100 GS	R100 R
		Paris Dakar	Paris Dakar		
	Year	1989-91	1991-96	1991-96	1991-96

A		ENGINE				A
A1	Engine assembly					
A1.020	Engine only	R & I	3.60	3.60	3.35	3.60
A1.030	Full exchange engine	R & I	3.75	3.75	3.50	3.85
A1.040	Short exchange engine	R & I	9.75	9.75	9.45	9.45
A2	Cylinder head					
A2.010	Compression test	Check	0.45	0.45	0.45	0.45
A2.030	Camshaft/valve cover & gasket	R & I	0.20	0.20	0.20	0.20
A2.035	Camshaft/valve cover & gasket - both	R & I	0.25	0.25	0.25	0.25
A2.040	Valve clearances	C & A	0.75	0.75	0.70	0.70
A2.050	Cylinder head & gasket	R & I	1.85	1.85	1.60	1.60
A2.055	Cylinder head & gasket - both	R & I	2.95	2.95	2.60	2.60
A2.060	Cylinder head	R & I	1.85	1.85	1.60	1.60
A2.065	Cylinder head - both	R & I	2.95	2.95	2.60	2.60
A2.090	Cylinder head - transfer components	S & R	1.95	1.95	1.70	1.70
A2.095	Cylinder head - transfer components - both	S & R	3.20	3.20	2.85	2.85
A2.110	Cylinder head side cover	R & I	1.20	1.20	1.00	0.75
A2.160	Valve spring (one)	R & I	2.00	1.95	1.70	1.70
A2.170	Valve springs (all)	R & I	3.25	3.25	2.85	2.85
A2.220	Rocker arm (one)	R & I	0.70	0.70	0.60	0.60
A2.223	Rocker arm (one) - left	R & I	0.70	0.70	0.60	0.60
A2.224	Rocker arm (one) - right	R & I	0.70	0.70	0.60	0.60
A2.230	Rocker arm (all)	R & I	1.10	1.10	1.00	1.00
A2.240	Rocker arm - both	R & I	0.75	0.75	0.70	0.70
A2.250	Rocker shaft assembly (one)	R & I	0.70	0.70	0.60	0.60
A2.253	Rocker shaft assembly (one) - left	R & I	0.70	0.70	0.60	0.60
A2.254	Rocker shaft assembly (one) - right	R & I	0.70	0.70	0.60	0.60
A2.260	Rocker shaft assembly (both)	R & I	0.75	0.75	0.70	0.70
A2.270	Rocker shaft assembly (all)	R & I	1.10	1.10	1.00	1.00
A3	Camshaft & drive gear					
A3.020	Camshaft(s)	R & I	4.75	4.75	4.50	4.45
A3.030	Camshaft follower/hydraulic tappet - one	R & I	1.85	1.85	1.60	1.60
A3.040	Camshaft followers/hydraulic tappets - all	R & I	3.00	3.00	2.70	2.70
A3.050	Pushrod (one)	R & I	0.50	0.50	0.50	0.50
A3.060	Pushrod (all)	R & I	1.10	1.10	1.10	1.10
A3.070	Camshaft belt/chain	R & I	2.95	2.95	2.70	2.60
A3.080	Camshaft tensioner	R & I	2.70	2.70	2.45	2.25
A3.120	Camshaft drive sprocket/gear	R & I	5.10	5.10	4.75	-
A3.130	Camshaft driven sprockets/gears	R & I	5.10	5.10	4.75	4.70
A4	Cylinder, crankshaft & pistons					
A4.040	Crankshaft/main bearings	R & I	9.75	9.75	9.45	9.45
A4.110	Con rod (one)	R & I	2.20	2.20	1.95	1.95
A4.111	Con rod (all)	R & I	3.75	3.75	3.50	3.35
A4.120	Piston	R & I	2.10	2.10	1.85	1.85
A4.125	Piston - both	R & I	3.60	3.60	3.25	3.20
A4.140	Piston rings	R & I	2.25	2.25	2.00	2.00
A4.145	Piston rings - both	R & I	3.85	3.85	3.50	3.45
A5	Crankcase & cover					
A5.110	Crankcase breather	R & I	0.60	0.60	0.60	0.60

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A6 Lubrication					
A6.040	Oil filter	R & I	0.45	0.45	0.45
A6.080	Oil sump pan	R & I	0.75	0.75	0.70
A6.110	Oil pump	R & I	3.75	3.75	3.45
A6.180	Oil cooler	R & I	0.35	0.35	0.35
A6.190	Oil cooler hoses	R & I	0.25	0.25	0.25

B ENGINE - ELECTRICAL B

B1 Ignition system					
B1.050	Ignition timing - dynamic	C & A	0.50	0.50	0.35
B1.090	Spark plug(s)	R & I	0.20	0.20	0.20
B1.100	HT leads (all)	R & I	0.25	0.25	0.25
B1.110	Ignition coil (one)	R & I	0.35	0.35	0.35
B1.200	Ignitor unit/CDI unit	R & I	0.35	0.35	0.35

C FUEL SYSTEM C

C1 Air cleaner. manifolds & valves					
C1.010	Air cleaner assembly	R & I	0.95	0.95	0.95
C1.040	Air cleaner element	R & I	0.20	0.20	0.20
C1.090	Ram air pipe - one	R & I	0.25	0.25	0.25

C2 Throttle controls

C2.010	Throttle/Twist grip/lever	R & I	0.45	0.45	–
C2.030	Throttle wire/cable (one)	R & I	0.75	0.75	0.75
C2.040	Throttle wire/cable (all)	R & I	0.75	0.75	0.75
C2.060	Choke wire/cable	R & I	0.25	0.25	0.25
C2.070	Idle speed & CO%	C & A	0.35	0.35	0.35

C3 Carburetor

C3.040	Carburetor/s fuel/float level	C & A	0.95	0.95	0.95
C3.050	Carburetor	R & I	0.60	0.60	0.60
C3.051	Carburetor (both)	R & I	0.85	0.85	0.85
C3.100	Carburetor diaphragm/s	R & I	0.85	0.85	0.85

C5 Supply

C5.010	Fuel tank	R & I	0.20	0.20	0.20
C5.030	Fuel cock	Clean	0.45	0.45	0.45
C5.040	Fuel cock (one)	R & I	0.25	0.25	0.25
C5.041	Fuel cock - left	R & I	0.25	0.25	0.25
C5.042	Fuel cock - right	R & I	0.25	0.25	0.25
C5.043	Fuel cock (all)	R & I	0.35	0.35	0.35
C5.050	Fuel tank cap	R & I	0.10	0.10	0.10
C5.060	Fuel tank cap lock barrel	R & I	0.20	0.20	0.20

E EXHAUST SYSTEM E

E1 Manifold. pipes & mufflers					
E1.023	Exhaust pipe - left	R & I	0.50	0.50	0.50
E1.024	Exhaust pipe - right	R & I	0.50	0.50	0.50
E1.025	Exhaust pipe - both	R & I	0.70	0.70	0.50
E1.026	Exhaust pipe - all	R & I	1.10	1.10	0.85
E1.030	Exhaust pipe and muffler	R & I	1.10	1.10	0.85
E1.040	Muffler	R & I	0.25	0.25	0.25
E1.080	EGR/PAS valve	R & I	–	0.25	0.25
E1.090	PAS inlet pipe - one	R & I	–	0.25	0.25
E1.100	PAS inlet connector - one	R & I	–	0.25	0.25
E1.110	Vacuum hose - one	R & I	–	0.35	0.35

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E1.111	Vacuum hose - all	R & I	-	0.45	0.45	0.45	
F		CLUTCH & CONTROLS					F
F1.010	Clutch lever	R & I	0.20	0.20	0.20	0.20	
F1.030	Release lever/shaft	R & I	1.45	1.45	1.45	1.35	
F1.060	Clutch wire/cable	C & A	0.20	0.20	0.20	0.20	
F1.070	Clutch wire/cable	R & I	0.35	0.35	0.35	0.35	
F1.090	Clutch assembly/primary drive gear	R & I	3.00	3.00	2.85	2.70	
F1.100	Clutch plate	R & I	3.00	3.00	2.85	2.70	
F1.170	Flywheel	R & I	2.95	2.95	2.70	2.70	
F1.180	Spigot bearing	R & I	3.00	3.00	2.75	2.75	
G		TRANSMISSION					G
G1.010	Transmission	R & I	2.70	2.70	2.25	2.35	
G1.020	Transmission	S & R	4.60	4.60	4.20	4.35	
G1.030	Gearset - complete	R & I	4.45	4.45	4.00	4.10	
G1.050	Gear pedal/arm	R & I	0.20	0.20	0.20	0.20	
G1.080	Gear change oil seal	R & I	0.35	0.35	0.35	0.35	
H		FENDERS, FRAME & HANDLEBARS					H
H1		Frame & handle bars					
H1.020	Handlebar	R & I	0.95	0.85	0.85	0.85	
H1.030	Handlebar end grip - one	R & I	0.20	0.20	0.20	0.20	
H1.080	Mirror - one	R & I	0.20	0.20	0.20	0.20	
H1.090	Mirrors - both	R & I	0.25	0.25	0.25	0.25	
H1.100	Steering lock	R & I	0.25	0.25	0.25	0.25	
H1.110	Steering head bearing	R & I	2.60	2.60	2.50	2.45	
H1.120	Frame - complete	R & I	9.00	9.60	9.25	9.25	
H1.130	Front frame - complete	R & I	8.75	9.25	8.95	7.85	
H1.140	Rear frame - complete	R & I	0.85	0.85	0.85	0.85	
H1.150	Rear/swing arm	R & I	1.50	1.50	1.50	1.50	
H1.160	Rear/swing arm bearing/bush	R & I	1.85	1.85	1.85	1.85	
H2		Seats & footrests					
H2.040	Seat - complete	R & I	0.25	0.25	0.10	0.10	
H2.110	Footrest - front	R & I	0.25	0.25	0.25	0.25	
H2.130	Footrest rubber rest/spring - front	R & I	0.25	0.25	0.25	0.25	
H3		Panels, stands & carriers					
H3.020	Side/Jiffy stand	R & I	0.20	0.20	0.20	0.20	
H3.040	Main stand	R & I	0.45	0.45	0.45	0.45	
H3.050	Mud guard	R & I	0.20	0.20	0.20	0.20	
K		WHEELS & TIRES					K
K1.010	Front wheel	R & I	0.25	0.25	0.25	0.25	
K1.011	Front wheel - renew	R & I	0.70	0.70	0.70	0.75	
K1.020	Rear wheel	R & I	0.20	0.20	0.20	0.35	
K1.021	Rear wheel - renew	R & I	0.70	0.70	0.70	0.75	
K1.030	Front tire/tube	R & I	0.70	0.70	0.70	0.70	
K1.040	Rear tire/tube	R & I	0.70	0.70	0.70	0.75	
K1.080	Wheel bearing set - front	R & I	0.70	0.70	0.70	0.75	
K1.150	Wheel bearing set - rear	R & I	1.35	1.35	1.35	1.45	
L		SUSPENSION					L
L1		Front suspension					
L1.010	Fork oil	D & R	0.45	0.45	0.45	0.45	
L1.021	Fork assembly - both	R & I	1.85	1.85	1.75	1.70	
L1.030	Fork gaiter - RH	R & I	0.60	0.60	0.60	0.75	

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L1.031	Fork gaiter - LH	R & I	0.60	0.60	0.60	0.75	
L1.041	Shock absorber - both	R & I	2.00	2.00	2.00	1.70	
L1.130	Fork oil seal (one)	R & I	0.75	0.75	0.75	0.95	
L1.140	Fork oil seals (both)	R & I	1.10	1.10	1.10	1.45	
L1.160	Fork spring (both)	R & I	0.60	0.60	0.60	1.00	
L1.170	Fork outer tube (one)	R & I	1.35	1.35	1.35	1.10	
L1.180	Fork outer tube (both)	R & I	2.10	2.10	2.10	1.70	
L1.190	Fork inner tube/Bushes (one)	R & I	0.75	0.75	0.75	0.95	
L1.200	Fork inner tube/Bushes (both)	R & I	1.10	1.10	1.10	1.45	
L1.211	Fork inner tube cover - RH	R & I	0.60	0.60	0.60	0.75	
L1.212	Fork inner tube cover - LH	R & I	0.60	0.60	0.60	0.75	
L2	Rear suspension						
L2.260	Monoshock assembly	R & I	0.25	0.25	0.25	0.25	
L2.270	Monoshock spring	R & I	0.25	0.25	0.25	0.25	
M	FINAL DRIVE						M
M2	Shaft drive						
M2.010	Drive shaft	R & I	1.75	1.75	1.75	1.75	
M2.130	Drive pinion gear bearing	R & I	3.00	3.00	3.00	3.00	
N	BRAKES						N
N1	Braking system hydraulics						
N1.012	Hydraulic system - complete	Bleed	0.35	0.35	0.35	0.45	
N1.030	Master cylinder - front	R & I	0.60	0.60	0.60	0.60	
N1.070	Front brake hose (one)	R & I	0.50	0.50	0.50	0.50	
N2	Footbrakes/Lever brakes						
N2.010	Front brake lever	R & I	0.20	0.20	0.20	0.20	
N2.030	Front brake wire/cable	R & I	-	-	-	0.25	
N2.050	Rear brake pedal	R & I	0.45	0.45	0.45	0.45	
N2.090	Front brake caliper (one)	R & I	0.45	0.45	0.45	0.50	
N2.150	Front brake pads	R & I	0.25	0.25	0.25	0.25	
N2.180	Rear brake shoes	R & I	0.35	0.35	0.35	0.45	
N2.190	Front brake disc (one)	R & I	0.45	0.45	0.45	0.45	
N2.240	Brake cam lever - front	R & I	0.45	0.45	0.45	0.50	
N2.250	Brake cam lever - rear	R & I	0.45	0.45	0.45	0.50	
P	GENERAL ELECTRICS						P
P1	Battery & cables						
P1.010	Battery	Check	0.20	0.20	0.20	0.20	
P1.020	Battery	R & I	0.35	0.35	0.35	0.35	
P1.030	Cable to starter/solenoid	R & I	0.35	0.35	0.35	0.35	
P1.040	Cable to frame ground	R & I	0.20	0.20	0.20	0.20	
P2	Charging system						
P2.020	Generator	R & I	0.60	0.60	0.45	0.50	
P2.050	Generator brushes	R & I	0.70	0.70	0.60	0.60	
P2.060	Generator diode pack	R & I	0.50	0.50	0.45	0.45	
P2.070	Voltage regulator	R & I	0.25	0.25	0.25	0.25	
P3	Starting system						
P3.010	Starter motor	R & I	0.60	0.60	0.50	0.50	
P3.020	Starter motor	S & R	0.95	0.95	0.85	0.85	
P3.030	Starter motor solenoid	R & I	0.75	0.75	0.70	0.70	
P4	Bulbs						
P4.020	Headlamp bulb	R & I	0.20	0.20	0.20	0.20	

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P4.030	Rear bulb (any)	R & I	0.25	0.25	0.25	0.20
P4.040	Turn signal bulb - one	R & I	0.20	0.20	0.20	0.20
P4.050	Instrument panel warning lamp (any)	R & I	0.70	0.60	0.60	0.25
P4.060	Instrument panel illumination (any)	R & I	0.70	0.60	0.60	0.25
P5 Front lamps						
P5.010	Headlamp alignment	C & A	0.20	0.20	0.20	0.20
P5.020	Headlamp - one	R & I	1.20	1.45	1.45	0.25
P5.040	Headlamp lens - one	R & I	1.20	1.50	1.50	0.20
P5.080	Turn signal - one - front	R & I	0.25	0.60	0.60	0.25
P5.090	Turn signal - both - front	R & I	0.45	0.95	0.95	0.35
P5.100	Turn signal - one - rear	R & I	0.20	0.20	0.20	0.20
P5.110	Turn signal - both - rear	R & I	0.25	0.25	0.25	0.25
P6 Rear lamps						
P6.010	Tail lamp assembly	R & I	0.20	0.20	0.20	0.20
P6.020	Tail lamp lens	R & I	0.20	0.20	0.20	0.20
P7 Switches						
P7.020	Ignition switch	R & I	0.35	-	-	-
P7.030	Combination switch - left	R & I	-	0.85	0.85	0.35
P7.040	Combination switch - right	R & I	-	0.75	0.75	0.35
P7.060	Main lighting switch	R & I	0.25	-	-	-
P7.070	Dip/main/flash switch	R & I	0.25	-	-	-
P8 Instruments						
P8.020	Instrument panel	R & I	1.45	-	-	-
P8.050	Speedometer	R & I	0.50	0.70	0.70	0.25
P8.070	Tachometer	R & I	0.60	0.70	0.70	0.25
P8.130	Clock	R & I	0.60	-	-	-
P9 Transducers, sensors & transmitters						
P9.010	Horn	R & I	0.20	0.20	0.20	0.20
P9.040	Oil pressure transmitter	R & I	0.25	0.25	0.25	0.25
P10 Fusebox & relays						
P10.050	Headlamps relay	R & I	0.25	0.25	0.25	0.25
P10.060	Main beam relay (separate)	R & I	0.25	0.25	0.25	0.25
P10.070	Dipped beam relay (separate)	R & I	0.25	0.25	0.25	0.25
P10.080	Turn signal relay/flasher unit	R & I	0.20	0.20	0.20	0.20
P10.110	Starter circuit cut-off relay	R & I	0.25	0.25	0.25	0.25