

AIR CLEANER	4-7	COOLING FAN MOTOR	
AIR CLEANER HOUSING		'04 - '05	20-23
'04 - '05	7-5	After '05	24-12
After '05	8-6	COOLING SYSTEM	4-21
ALTERNATOR		COOLING SYSTEM SPECIFICATIONS	1-9
'04 - '05	20-7	COOLING SYSTEM TESTING	9-5
After '05	21-10	CRANKCASE ASSEMBLY	
BALANCER GEAR/BALANCER		'04 - '05	15-25
'04 - '05	15-7	After '05	16-25
After '05	16-7	CRANKCASE BEARING	
BATTERY (TRX450ER)	21-6	'04 - '05	15-20
BATTERY/CHARGING SYSTEM		After '05	16-19
SPECIFICATIONS (TRX450ER)	1-15	CRANKCASE SEPARATION	
BRAKE FLUID	4-25	'04 - '05	15-11
BRAKE FLUID REPLACEMENT/AIR BLEEDING	19-5	After '05	16-11
BRAKE LIGHT SWITCH		CRANKCASE/TRANSMISSION/CRANKSHAFT	
ELECTRICAL('04 - '05)	20-19	SPECIFICATIONS	
LIGHTS/SWITCHES (After '05)	24-9	'04 - '05	1-12
MAINTENANCE	4-27	After '05	1-13
BRAKE PAD/DISC	19-8	CRANKSHAFT	
BRAKE PADS WEAR	4-26	'04 - '05	15-18
BRAKE PEDAL	19-28	After '05	16-17
BRAKE SYSTEM	4-27	CYLINDER COMPRESSION	11-8
BRAKE/TAILLIGHT		CYLINDER HEAD COVER INSTALLATION	11-31
'04 - '05	20-18	CYLINDER HEAD COVER REMOVAL	11-8
After '05	24-6	CYLINDER HEAD DISASSEMBLY	11-16
BULB REPLACEMENT(After '05)	24-4	CYLINDER HEAD INSTALLATION	11-24
CABLE & HARNESS ROUTING	1-24	CYLINDER HEAD REMOVAL	11-15
CAMSHAFT HOLDER INSTALLATION	11-29	CYLINDER HEAD/VALVE/CAMSHAFT	
CAMSHAFT HOLDER REMOVAL	11-8	SPECIFICATIONS	
CAMSHAFT/DECOMPRESSOR ASSEMBLY	11-27	'04 - '05	1-9
CAMSHAFT/DECOMPRESSOR DISASSEMBLY	11-11	After '05	1-10
CARBURETOR ASSEMBLY		CYLINDER/PISTON INSTALLATION	12-10
'04 - '05	7-14	CYLINDER/PISTON REMOVAL	12-5
After '05	8-16	CYLINDER/PISTON SPECIFICATIONS	
CARBURETOR DISASSEMBLY		'04 - '05	1-10
'04 - '05	7-8	After '05	1-11
After '05	8-9	CYLINDER HEAD ASSEMBLY	11-23
CARBURETOR HEATER		DRIVE CHAIN	4-21
'04 - '05	20-20	DRIVE CHAIN SLIDER	4-25
CARBURETOR INSTALLATION		ELECTRIC STARTER SPECIFICATIONS (TRX450ER) ..	1-15
'04 - '05	7-21	ELECTRICAL SPECIFICATIONS ('04 - '05)	1-14
After '05	8-22	EMISSION CONTROL SYSTEMS	1-43
CARBURETOR REMOVAL		ENGINE & FRAME TORQUE VALUES	1-16
'04 - '05	7-6	ENGINE COOLANT TEMPERATURE (ECT) SENSOR	
After '05	8-7	'04 - '05	20-24
CHARGING SYSTEM INSPECTION (TRX450ER)	21-7	After '05	24-13
CLOSED THROTTLE POSITION DETECTION		ENGINE GUARD	
SYSTEM (After '05)	22-12	'04 - '05	3-8
CLUTCH		After '05	3-8
'04 - '05	13-5	ENGINE IDLE SPEED	4-20
After '05	14-6	ENGINE INSTALLATION	10-9
CLUTCH DIODE (TRX450ER)	23-14	ENGINE OIL/FILTER	4-14
CLUTCH SWITCH	24-8	ENGINE REMOVAL	10-5
CLUTCH SYSTEM	4-29	EXHAUST SYSTEM	3-10
CLUTCH/KICKSTARTER/GEARSHIFT LINKAGE		FRONT BRAKE CALIPER	19-15
SPECIFICATIONS		FRONT FENDER	
'04 - '05	1-11	'04 - '05	3-6
After '05	1-11	After '05	3-6
COMPONENT LOCATION		FRONT MASTER CYLINDER	19-10
BATTERY/CHARGING SYSTEM (After '05)	21-2	FRONT SHOCK ABSORBER	17-17
ELECTRIC STARTER (TRX450ER)	23-2	FRONT WHEEL	17-11
ELECTRICAL ('04 - '05)	20-2	FRONT WHEEL HUB	17-15
IGNITION SYSTEM (After '05)	22-2	FRONT WHEEL/SUSPENSION/STEERING	
LIGHTS/SWITCHES (After '05)	24-2	SPECIFICATIONS	1-13
COOLANT REPLACEMENT	9-6	FUEL LINE	4-6
COOLANT TEMPERATURE INDICATOR			
'04 - '05	20-22		
After '05	24-11		

INDEX

FUEL SYSTEM SPECIFICATIONS		
'04 - '05	1-8	
After '05	1-8	
FUEL TANK	3-9	
GEARSHIFT LINKAGE		
'04 - '05	13-18	
After '05	14-24	
GENERAL SPECIFICATIONS		
'04 - '05	1-5	
After '05	1-6	
GENERATING SYSTEM		
'04 - '05	20-6	
After '05	21-9	
HANDLEBAR	17-6	
HANDLEBAR SWITCH		
'04 - '05	20-19	
After '05	24-7	
HEADLIGHT		
'04 - '05	20-16	
HEAT GUARD PLATE		
'04 - '05	3-9	
After '05	3-9	
HIGH ALTITUDE ADJUSTMENT	8-25	
HOT START SYSTEM (TRX450R only)	2-3	
HYDRAULIC BRAKE SPECIFICATIONS	1-14	
ICM (IGNITION CONTROL MODULE)		
'04 - '05	20-16	
After '05	22-10	
IGNITION COIL		
'04 - '05	20-15	
After '05	22-10	
IGNITION SWITCH		
'04 - '05	20-18	
After '05	24-7	
IGNITION SYSTEM SPECIFICATIONS (After '05)	1-15	
IGNITION SYSTEM INSPECTION		
'04 - '05	20-12	
After '05	22-6	
IGNITION TIMING		
'04 - '05	20-14	
After '05	22-9	
KICKSTARTER		
'04 - '05	13-15	
After '05	14-20	
LIGHTS/SWITCH SPECIFICATIONS (After '05)	1-15	
LUBRICATION & SEAL POINTS	1-21	
LUBRICATION SYSTEM DIAGRAM		
'04 - '05	5-2	
After '05	6-2	
LUBRICATION SYSTEM SPECIFICATIONS	1-8	
MAINTENANCE SCHEDULE		
'04 - '05	4-4	
After '05	4-5	
MODEL IDENTIFICATION	1-2	
MUD GUARD/FOOTPEG	3-3	
NEUTRAL SWITCHES (TRX450ER)	24-10	
NUTS, BOLTS, FASTENERS	4-31	
OIL COOLER ('04 - '05)	5-7	
OIL PUMP		
'04 - '05	5-7	
After '05	6-9	
OIL STRAINER (After '05)	6-5	
OIL STRAINER/PRESSURE RELIEF VALVE ('04 - '05)	5-4	
PILOT SCREW ADJUSTMENT		
'04 - '05	7-23	
After '05	8-24	
PISTON JET	6-8	
PRESSURE RELIEF VALVE (After '05)	6-7	
RADIATOR COOLANT	4-20	
RADIATOR/COOLING FAN	9-9	
REAR AXLE/BEARING HOLDER	18-7	
REAR BRAKE CALIPER	19-22	
REAR FENDER		
'04 - '05	3-7	
After '05	3-7	
REAR MASTER CYLINDER	19-18	
REAR SHOCK ABSORBER	18-16	
REAR WHEEL	18-7	
REAR WHEEL/SUSPENSION SPECIFICATIONS	1-14	
REGULATOR/RECTIFIER		
'04 - '05	20-11	
After '05	21-8	
RIGHT CRANKCASE COVER INSTALLATION		
'04 - '05	13-22	
After '05	14-28	
RIGHT CRANKCASE COVER REMOVAL		
'04 - '05	13-5	
After '05	14-5	
SEAT	3-3	
SERVICE INFORMATION		
BATTERY/CHARGING SYSTEM (After '05)	21-3	
CLUTCH/KICKSTARTER/ GEARSHIFT LINKAGE ('04 - '05)	13-3	
CLUTCH/STARTER CLUTCH/KICK STARTER/ GEARSHIFT LINKAGE (After '05)	14-3	
COOLING SYSTEM	9-3	
CRANKCASE/TRANSMISSION/CRANKSHAFT/ BALANCER		
'04 - '05	15-3	
After '05	16-3	
CYLINDER HEAD/VALVE	11-3	
CYLINDER/PISTON	12-3	
ELECTRIC STARTER (TRX450ER)	23-3	
ELECTRICAL ('04 - '05)	20-3	
ENGINE REMOVAL/INSTALLATION	10-4	
FRAME/BODY PANELS/EXHAUST SYSTEM	3-2	
FRONT WHEEL/SUSPENSION/STEERING	17-3	
FUEL SYSTEM		
'04 - '05	7-3	
After '05	8-3	
HYDRAULIC BRAKE	19-3	
IGNITION SYSTEM (After '05)	22-3	
LIGHTS/SWITCHES (After '05)	24-3	
LUBRICATION SYSTEM		
'04 - '05	5-3	
After '05	6-3	
MAINTENANCE	4-2	
REAR WHEEL/SUSPENSION	18-3	
SERVICE RULES	1-2	
SHOCK LINKAGE	18-18	
SKID PLATE	3-8	
SKID PLATE, ENGINE GUARD	4-29	
SPARK ARRESTER	4-31	
SPARK PLUG	4-9	
STANDARD TORQUE VALUES	1-16	
STARTER CLUTCH (TRX450ER)	14-15	
STARTER MOTOR (TRX450ER)	23-6	
STARTER RELAY SWITCH (TRX450ER)	23-13	
STEERING HEAD BEARING	4-32	
STEERING SHAFT	17-24	
STEERING SHAFT HOLDER BEARING	4-32	
STEERING SYSTEM	4-33	
SUSPENSION	4-30	
SUSPENSION ARM	17-19	
SWINGARM	18-20	

SYSTEM COMPONENTS.....	9-2	CLUTCH/STARTER CLUTCH/KICKSTARTER/ GEARSHIFT LINKAGE (After '05).....	14-4
CLUTCH/KICKSTARTER/ GEARSHIFT LINKAGE ('04 - '05).....	13-2	COOLING SYSTEM	9-4
CLUTCH/STARTER CLUTCH/KICK STARTER/ GEARSHIFT LINKAGE (After '05)	14-2	CRANKCASE/TRANSMISSION/CRANKSHAFT/ BALANCER	
CRANKCASE/TRANSMISSION/CRANKSHAFT/ BALANCER		'04 - '05.....	15-6
'04 - '05.....	15-2	After '05	16-6
After '05.....	16-2	CYLINDER HEAD/VALVE	11-7
CYLINDER HEAD/VALVE	11-2	CYLINDER/PISTON.....	12-4
CYLINDER/PISTON.....	12-2	ELECTRIC STARTER (TRX450ER)	23-4
ENGINE REMOVAL/INSTALLATION	10-2	ELECTRICAL ('04 - '05).....	20-5
FRONT WHEEL/SUSPENSION/STEERING.....	17-2	ENGINE DOES NOT START OR IS HARD TO START.....	26-2
FUEL SYSTEM		ENGINE LACKS POWER.....	26-4
'04 - '05.....	7-2	FRAME/BODY PANELS/EXHAUST SYSTEM	3-2
After '05.....	8-2	FRONT WHEEL/SUSPENSION/STEERING	17-5
HYDRAULIC BRAKE	19-2	FUEL SYSTEM	
REAR WHEEL/SUSPENSION	18-2	'04 - '05.....	7-4
SYSTEM DIAGRAM		After '05	8-5
BATTERY/CHARGING SYSTEM (After '05).....	21-2	HYDRAULIC BRAKE	19-4
ELECTRIC STARTER (TRX450ER).....	23-2	IGNITION SYSTEM (After '05).....	22-4
IGNITION SYSTEM (After '05).....	22-2	LUBRICATION SYSTEM	
THERMOSTAT.....	9-8	'04 - '05.....	5-3
THROTTLE HOUSING	17-9	After '05	6-4
THROTTLE OPERATION	4-6	POOR HANDLING	26-7
THROTTLE POSITION SENSOR		POOR PERFORMANCE AT HIGH SPEED.....	26-7
'04 - '05.....	20-20	POOR PERFORMANCE AT LOW AND IDLE	
After '05.....	22-10	SPEED	26-6
TIE-ROD	17-30	REAR WHEEL/SUSPENSION.....	18-6
TIRES.....	17-11	TWIN SUMP LUBRICATION SYSTEM.....	2-3
TOP COVER		UNICAM SYSTEM	2-2
'04 - '05.....	3-5	VALVE CLEARANCE/DECOMPRESSOR SYSTEM.....	4-10
After '05	3-5	VALVE GUIDE REPLACEMENT.....	11-18
TRANSMISSION		VALVE SEAT INSPECTION/REFACING	11-20
'04 - '05.....	15-13	WATER PUMP.....	9-14
After '05.....	16-13	WHEELS/TIRES	4-32
TRANSMISSION OIL.....	4-17	WIRING DIAGRAM	
TROUBLESHOOTING		'04 - '05.....	25-3
BATTERY/CHARGING SYSTEM (After '05).....	21-5	After '05 (TRX450ER)	25-4
CLUTCH/KICKSTARTER/GEARSHIFT LINKAGE ('04 - '05).....	13-4	After '05 (TRX450R)	25-5