

HUSQVARNA RACING HANDBOOK

Foreword:

Thank you for purchasing a new Husqvarna Motorcycle. This handbook will help you enjoy your new Husqvarna motorcycle as much as possible and ensure that you have many years of trouble free riding on it.

All the material contained in this manual is for informational purposes only. It has been prepared so that you may take full advantage of our racing experience. This will supplement information found in your owners manual.

Husqvarna Technical Service

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125XC TECHNICAL DATA/1983

MOTOR	CARBURETOR
Displacement (cc) 124	Type Mikuni
Bore std. (mm)	Venturi
1st over	Main jet
2nd over	Needle jet R-6
3rd over	Idling jet
Stroke (mm)	Needle position # 4
Compression ratio 13.1:1	Air jet 2.0
TRANSMISSION	Throttle 2.5
Primary transmission ratio 3.89:1	Needle
Secondary transmission	Air screw opening1.5
ratio	from bottom position.
Chain dimension %" x ¼"	ELECTRICAL SYSTEM
Number of cogs, gearbox (MS:AS)	Type CDI
1st	Magneto Motoplat
2nd	Ignition advance17°
3rd	Ignition advance
4th	on piston before TDC 1.43mm
5th	Light coil 35 W color yellow
6th	W color
Total gear ratios	Spark plug: Champion N-2
(crankshaft: rear wheel)	Bosch W3C
1st	ELECTRICAL EQUIPMENT
2nd	Headlight V-/-
3rd	Tail/brakelightV-/-
4th	FRONT FORK
5th	Travel
6th	Trail
Oil capacity gearbox 1400cc	Fork angle (caster) 30°
Oil recommendation:	Air pressure/leg 8 lbs. maximum
Bel-Ray L. Viscosity	Oil capacity per leg 500cc
FUEL SYSTEM	Oil recommendation: Bel-Ray LT10
Fuel Gas min. 92 oct.	or Husqvarna VSP 10
Lubrication Oil—gas mixture 4%	REAR SUSPENSION
Gas tank capacity 2.9 gal11 lit.	Type Ohlin ITC
Oil recommendation:	Travel
Husqvarna/Bel-Ray MC-1+	Springs white 139 lbs
WHEELS AND BRAKES	yellow progressive
Rims 1.60x21/2.50x18	TORQUE SPECIFICATIONS—
Tires front	Ft I bs
rear	Flywheel nut
Spoke 4/4.5mm	Cylinder head nuts
Brake drum 160mm	Cylinder head screws
DIMENSIONS	Engine mounting bolts 35
Length 2180mm	Crankcase screws
Height	Rear fork bolt nuts
Handlebar width 840mm	Screws reed valve
Wheelbase	housing cylinder
Seat Height	Spark plug 20
Ground clearance 300mm	Specifications subject to change without notice.
WEIGHT 96kg	
A 2 mm x 4 mm x	

125CR TECHNICAL DATA

MOTOR
Displacement (cc)
Bore std. (mm)
1st over 55.25
2nd over
2rd over
3rd over
Compression ratio
TRANSMISSION
Primary transmission ratio 3.89:1
Secondary transmission
ratio
Chain dimension 5%"x14"
Number of cogs, gearbox (MS:AS)
1st
2nd
3rd
4th
5th
6th27:21
Total gear ratios
(crankshaft: rear wheel)
1st 32.8:1
2nd 24.68:1
3rd
4th
5th
6th
Oil capacity gearbox 1400cc
Oil recommendation:
Bel-Ray L. Viscosity
FUEL SYSTEM
Fuel Gas min. 92 oct.
Lubrication Oil-gas mixture 4%
Gas tank capacity 2.7 gal10 lit.
Oil recommendation:
Husqvarna/Bel-Ray MC-1+
WHEELS AND BRAKES
Rims 1.60x21/2.50x18
Tires front
rear
Spoke
Brake drum
DIMENSIONS
Length
Height
Handlebar width 840mm
Wheelbase
Seat Height 980mm
Ground clearance 360mm
WEIGHT 95kg
The contract of the contract o

CARBURETOR	
Type	Miku.
Venturi	38
Main jet	470
Needle jet	R-6
Idling iet	35
Needle position	# 4
Air jet	2.0
Throttle	2.5
Needle	60H20
Air screw opening	1.5
	tom position.
ELECTRICAL SYSTEM	
Type	CDI
Magneto	Motoplat
Ignition advance	12°
Ignition advance	
on piston before TD0	C76mm
Light coil	W color
	. W color
Spark plug: Champion	N-2
D03011	
ELECTRICAL EQUIPM	ENT
Headlight	V/-
Tail/brakelight	V—/—
FRONT FORK	
Travel	300mm
Trail	152mm
Fork angle (caster)	30.5°
Fork angle (caster) Air pressure/leg 8 l	lbs. maximum
Oil capacity per leg	500cc
Oil recommendation:	Bel-Ray LT10
	varna VSP 10
REAR SUSPENSION	27.77
Type	Ohlin ITC
Travel	300mm
Springs white	139 lbs.
yellow	progressive
TORQUE SPECIFICAT	
COSTON MARKET STREET STR	Ft. Lbs.
Flywheel nut	
Cylinder head nuts	15
Cylinder head screws	15
Engine mounting bolts	S
Crankcase screws	25
Rear fork bolt nuts Screws reed valve	ວວ ຂ
housing cylinder	
Spark plug	20
Spark plug	
Specifications subject to change	e without nonce.

250WR TECHNICAL DATA / 1983

The same time and the same time and the same time and
MOTOR
Displacement (cc) 245
Bore std. (mm) 69.50
1st over
2nd over
3rd over
Stroke (mm) 64 50
Compression ratio 12.3:1
TRANSMISSION
Primary transmission ratio 2.41:1
Secondary transmission
ratio 4.07:1
Chain dimension 5%"x1/4"
Number of cogs, gearbox (MS:AS)
1st
2nd 17:00
2nd
4th
5th 25:22
6th
Total gear ratios
(crankshaft: rear wheel)
1st
2nd
3rd 13.8:1
4th
5th 9.4:1
6th
Oil capacity gearbox 1600cc
Oil recommendation:
Bel-Ray L. Viscosity
FUEL SYSTEM
Fuel
Gas tank capacity 3.2 gal.
Oil recommendation:
Husqvarna/Bel-Ray MC-1+
WHEELS AND BRAKES
Rims 1.60x21/2.50x18
Tires front
rear 5.50x21
Spoke 4/4.5mm
Brake drum
DIMENSIONS
Length
Height 1250mm Handlebar width 840mm
Wheelbase
Wheelbase
Ground clearance 300mm
WEIGHT
WEIGHT108kg

CARBURETOR Type
Main jet 450 Needle jet P-8 Idling jet 45 Needle position #4
Air jet 2.0 Throttle 2.0 Needle 6F16
Air screw opening 1.5 from bottom position. ELECTRICAL SYSTEM
Type
Ignition advance 20° Ignition advance on piston before TDC 2.55mm
Light coil 70W color yellow 70W color yellow Spark plug: Champion N-3
Bosch W4C ELECTRICAL EQUIPMENT Headlight 12V 40/45W
FRONT FORK
Travel
Oil capacity per leg 430cc Oil recommendation: Bel-Ray LT10 or Husqvarna VSP 10
REAR SUSPENSION Type
Travel
TORQUE SPECIFICATIONS— Ft. Lbs.
Flywheel nut 40 Cylinder head nuts 22 Cylinder head screws 15 Engine mounting bolts 35 Crankcase screws 6 Rear fork bolt nuts 35 Screws reed valve 6 housing cylinder Spark plug 20
Specifications subject to change without notice.

250CR TECHNICAL DATA

MOTOR
Displacement (cc)
Bore std. (mm)
1st over 69.50
1st over
2nd over
3rd over
Stroke (mm) 64.50 Compression ratio 12.3:1
Compression ratio 12.3:1
TRANSMISSION
Primary transmission ratio 2.41:1
Secondary transmission
ratio 4 42.1
Chain dimension %"x¼"
Number of cogs, gearbox (MS:AS)
1st
2nd
3rd 01.00
3rd
5th
Total gear ratios
(crankshaft: rear wheel)
1st
2nd
3rd
4th
otn 9.37:1
6th 8.31·1
Oil capacity gearbox 1600cc
Oil recommendation:
Bel-Ray L. Viscosity
FUEL SYSTEM
Fuel Gas min. 92 oct.
Lubrication Oil-gas mixture 4%
Gas tank capacity 2.7 gal10 lit.
Oil recommendation:
Husqvarna/Bel-Ray MC-1+
WHEELS AND BRAKES
Rims 1.60x21/2.50x18
Tires front 3.00x21"
rear
Spoke 4/4.5mm
Brake drum
DIMENSIONS
Longth
Length
Height
Handlebar width 840mm
vvneeibase 1500mm
Seat Height 980mm
Ground clearance 360mm
WEIGHT 102kg
102kg

CARBURETOR
Type
venturi
Main jet
Needle jet R-4
Idling jet4
Needle position # 2
Air jet
I hrottle
Needle 6DH20
Air screw opening
from bottom position
ELECTRICAL SYSTEM
Type
Magneto Motoplat
Ignition advance
Ignition advance
on piston before TDC 2.55mm
Light coil Waster
Spark plug: Champion N-3
Spark plug: Champion N-3
Bosch W4C
ELECTRICAL EQUIPMENT
Headlight V-/-
Tail/brakelightV-/-
FRONT FORK
Travel 300mm
Irail
Trail
All Diessure/led 8 lbs maximum
Oil capacity per leg 500cc Oil recommendation: Bel-Ray LT10
Oil recommendation: Bel-Ray LT10
or Husqvarna VSP 10
REAR SUSPENSION
Type Ohlin ITC
Travel
Springs white
yellow progressive
TORQUE SPECIFICATIONS—
Ft. Lbs.
Flywheel nut
Cylinder head nuts 22 Cylinder head screws 15
Engine mounting bolts
Crankcase screws
Rear fork bolt nuts
Screws reed valve 6
housing cylinder
Spark plug
Specifications subject to change without notice.
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250XC TECHNICAL	. DATA / 1983
MOTOR	CARBURETOR
Displacement (cc) 245	Type Mikuni
Bore std. (mm) 69.50	Venturi
1st over	Main jet
2nd over 70.00	Needle jet
3rd over 70.25	Idling jet45
Stroke (mm)	Needle position # 4
Compression ratio 12.3:1	Air jet
TRANSMISSION	Throttle 2.0
Primary transmission ratio 2.41:1	Needle6DH20
Secondary transmission	Air screw opening
ratio 4.42:1	from bottom position.
Chain dimension 5%"x14"	ELECTRICAL SYSTEM
Number of cogs, gearbox (MS:AS)	Type CDI
1st	Magneto Motoplat
2nd	Ignition advance 20°
3rd	Ignition advance
4th	on piston before TDC 2.55mm
5th	Light coil 35W color yellow
6th 27:20 Total gear ratios	Spark plug: Champion N-3
(crankshaft: rear wheel)	Bosch
1st	ELECTRICAL EQUIPMENT
2nd	Headlight V—/—
3rd	Tail/brakelight
4th	FRONT FORK
5th	Travel
6th 7.9:1	Trail
Oil capacity gearbox 1600cc	Fork angle (caster) 30°
Oil recommendation:	Air pressure/leg 8 lbs. maximum
Bel-Ray L. Viscosity	Oil capacity per leg 500cc
FUEL SYSTEM	Oil recommendation: Bel-Ray LT10
Fuel Gas min. 92 oct.	or Husqvarna VSP 10
Lubrication Oil-gas mixture 4%	REAR SUSPENSION
Gas tank capacity 3.2 gal.	Type Ohlin ITC
Oil recommendation:	Travel
Husqvarna/Bel-Ray MC-1+	Springs white
WHEELS AND BRAKES	yellow progressive
Rims 1.60x21/2.50x18	TORQUE SPECIFICATIONS-
Tires front 3 20x21"	200 P

Ft. Lbs.

Cylinder head screws 15

Engine mounting bolts 35

Spark plug 20

Specifications subject to change without notice.

housing cylinder

Tires front 3.20x21"

Spoke 4/4.5mm

Brake drum 160mm

Handlebar width 840mm

Ground clearance 300mm

WEIGHT 105kg

DIMENSIONS

rear 4.50x18"

500XC TECHNICAL DATA

MOTOR	CARBURETOR
Displacement (cc) 488	Type Mikum
Bore std. (mm) 86.00	Venturi
1st over	Main jet
2nd over 87.00	Needle jet AA-5
3rd over	Idling jet45
Stroke (mm) 84.00	Needle position # 4
Compression ratio 9.5:1	Air jet
	Throttle
TRANSMISSION	
Primary transmission ratio 1.79:1	Needle
Secondary transmission	Air screw opening
ratio 4.42:1	from bottom position.
Chain dimension %"x1/4"	ELECTRICAL SYSTEM
Number of cogs, gearbox (MS:AS)	Type
1st	Magneto Motoplat
2nd	Ignition advance
3rd	Ignition advance
4th 23:24	on piston before TDC 2.8mm
5th	Light coil 35W color yellow
6th	Light con
	Speak plus. Champing W color
Total gear ratios	Spark plug: Champion N-3
(crankshaft: rear wheel)	Bosch
1st	ELECTRICAL EQUIPMENT
2nd	Headlight V-/-
3rd	Tail/brakelightV-/-
4th	FRONT FORK
5th	Travel 300mm
6th 5.66:1	Trail
Oil capacity gearbox 1600cc	Fork angle (caster)30°
Oil recommendation:	Air pressure/leg 8 lbs. maximum
Bel-Ray L. Viscosity	Oil capacity per leg 500cc
FUEL SYSTEM	Oil recommendation: Bel-Ray LT10
Fuel Gas min. 92 oct.	or Husqvarna VSP 10
Lubrication Oil-gas mixture 4%	REAR SUSPENSION
Gas tank capacity 3.2 gal.	
Oil recommendation:	Type Ohlin ITC
Husqvarna/Bel-Ray MC-1+	Travel
WHEELS AND BRAKES	Springs white 137 lbs.
Rims	yellow progressive
	TORQUE SPECIFICATIONS—
Tires front	Ft. Lbs.
rear 5.00x18"	Flywheel nut
Spoke 4/4.5mm	Cylinder head nuts
Brake drum	Cylinder head screws 15
DIMENSIONS	Engine mounting bolts 35
Length 2180mm	Crankcase screws
Height 1240mm	Rear fork bolt nuts
Handlebar width 840mm	Screws reed valve
Wheelbase1500mm	housing cylinder
Seat Height 980mm	Spark plug 20
Ground clearance 300mm	Specifications subject to change without notice.
WEIGHT	Specifications subject to change without notice.
WEIGHTIUSKG	

500CR TECHNICAL DATA / 1983 MOTOR Displacement (cc) 488 Bore std. (mm) 86.00 Stroke (mm) 84.00 Compression ratio 9.5:1 TRANSMISSION Primary transmission ratio . . 1.79:1 Secondary transmission ratio 4.42:1 Chain dimension %"x1/4" Number of cogs, gearbox (MS:AS) 2nd 20:26 Total gear ratios (crankshaft: rear wheel) 4th 6.96:1 Oil capacity gearbox 1600cc Oil recommendation: Bel-Ray L. Viscosity **FUEL SYSTEM** Fuel Gas min. 92 oct. Lubrication . . . Oil-gas mixture 4% Gas tank capacity . . . 2.7 gal.-10 lit. Oil recommendation: Husqvarna/Bel-Ray MC-1+ WHEELS AND BRAKES Rims 1.60x21/2.50x18 Spoke 4/4.5mm DIMENSIONS Length 2180mm

Handlebar width 840mm

Seat Height 980mm

Ground clearance 360mm

WEIGHT 106ka

CARBURETOR
Type Mikuni
Venturi
Main jet
Needle jet
Idling jet
Needle position #4
Air jet
Throttle 2.0
Needle
Air screw opening 1.5
from bottom position.
ELECTRICAL SYSTEM
Type CDI
Magneto Motoplat
Ignition advance
Ignition advance
on piston before TDC 2.8mm
Light coil W. color
Light coil
Spark plug. Champion N-3
BoschW4C
ELECTRICAL EQUIPMENT
Headlight V-/-
Tail/brakelightV—/—
FRONT FORK
Travel
Trail
Fork angle (caster) 30°
Fork angle (caster)
Oil capacity per leg 500cc
Oil recommendation: Bel-Ray LT10
or Husqvarna VSP 10
REAR SUSPENSION
Type Ohlin ITC
Travel
Springs white
yellow progressive
TORQUE SPECIFICATIONS—
Ft. Lbs.
Flywheel nut
Cylinder head nuts
Cylinder head screws
Engine mounting bolts
Crankcase screws 6
Rear fork bolt nuts
Screws reed valve
housing cylinder
Spark plug 20

Specifications subject to change without notice.

CARRUPETOR

430WR TECHNICAL DATA

MOTOR	CARBURETOR
Displacement (cc)	Type Mikum
Bore std. (mm)	Venturi
1st over	Main jet
2nd over	Needle jet Q-8
3rd over	Idling jet45
Stroke (mm)	Needle position #4
Compression ratio	Air jet 2.0
TRANSMISSION	Throttle
Primary transmission ratio 1.73:1	Needle 6DH3
Secondary transmission	Air screw opening
ratio 4.42:1	from bottom position.
Chain dimension %"x1/4"	ELECTRICAL SYSTEM
Number of cogs, gearbox (MS:AS)	Type
1st	Magneto SEM
2nd	Ignition advance 17°
3rd	Ignition advance
4th	on piston before TDC 2.2mm
5th	Light coil 70W color yellow
6th	70W color yellow
Total gear ratios	Spark plug: Champion N-3
(crankshaft: rear wheel)	Bosch W4C
1st	ELECTRICAL EQUIPMENT
2nd	Headlight 12V 40/45W
3rd	Tail/brakelight12V 5/10W
4th 7.95:1	FRONT FORK
5th 6.73:1	Travel 270mm
6th 5.66:1	Trail
Oil capacity gearbox 1600cc	Fork angle (caster)
Oil recommendation:	Air pressure/leg 8 lbs. maximum
Bel-Ray L. Viscosity	Oil capacity per leg 430cc
FUEL SYSTEM	Oil recommendation: Bel-Ray LT10
Fuel Gas min. 92 oct.	or Husqvarna VSP 10
Lubrication Oil-gas mixture 4%	REAR SUSPENSION
Gas tank capacity 3.2 gal.	Type Ohlin ITC
Oil recommendation:	Travel 285mm
Husqvarna/Bel-Ray MC-1+	Springs white
WHEELS AND BRAKES	yellow progressive
Rims 1.60x21/2.50x18	TORQUE SPECIFICATIONS—
Tires front 3.00x21"	Ft. Lbs.
rear 5.50x18" Spoke 4/4.5mm	Flywheel nut
Brake drum	Cylinder head nuts
	Cylinder head screws 15
DIMENSIONS	Engine mounting bolts 35
Length	Crankcase screws
Handlebar width 840mm	Rear fork bolt nuts
Wheelbase	Screws reed valve
Seat Height	housing cylinder
Ground clearance 300mm	Spark plug 20
	Specifications subject to change without notice.
WEIGHT110kg	

BREAKINGER

Your Husqvarna is designed for off-road competition. Port timing, exhaust system and carburetion allow the engine to reach high r.p.m. levels quite easily. Running at high r.p.m. levels with only small throttle openings may not give the engine the necessary lubrication. To avoid trouble the following is recommended:

- 1. Do not overrev with small throttle openings. More throttle at lower r.p.m. gives the engine better lubrication.
 - 2. Let the engine pull instead of rev.
- 3. Allow the engine to be properly broken-in before making any jetting changes. Refer to owners manual.
 - 4. Use good quality engine oil.
- 5. Do not allow the engine to idle for extended periods of time. The transmission must have oil circulating during the break-in period. Damage to the gearbox can result.
- 6. Please refer to your owner's manual and check all the items listed to be checked during this critical period. Many problems can be prevented by properly following the steps from the manual.
- 7. Allow at least one full tank of gas during the break-in period before using the machine for racing.
- 8. Remember! Your new Husqvarna is a highly-tuned racing machine. It's performance is directly affected by the treatment that you give it. Ignoring the service schedule in the owners manual will reduce performance and the excellent resale value that Husqvarna has always had.

LUBRICATION POINTS

Our racing teams use the Bel-Ray anti-seize compound at many points. It doesn't wash away and isn't affected by heat.

The brake pedal bushings can be lubricated using this anti-seize compound. The XC and WR models use a steel bushing and can benefit from this lubricant. Lubricate the brass bushing in the rear backing plate on the CR models.

Use the anti-seize compound on the aluminum bush that supports the chain tension wheel. Keeping this bush pivoting freely in the swing arm will lengthen the life of the wheel considerably.

Use the anti-seize compound on the heim joint for the shock absorbers.

Standard grease should be used at the following points:

1. Swing arm bearings.

- 2. Steering head bearings.
- 3. Foot peg pivot area.
- 4. Sidestand pivot.
- 5. The sealed bearings of your chain tension wheel can be serviced. With a sharp instrument, pry out the seal of the bearing. Lubricate the bearing with grease and push the seals back into place.
 - 6. Seals for the upper shock heim joint.
 - 7. Pivot point for upper kick start arm.
 - 8. Speedometer drive.

<u>High temperature</u> wheel bearing grease should be used on the brake shoe pivot points.

LUBRICANTS AND CAPACITY

Front Fork

Generally a good starting point for fork oil viscosity is 10w. This applies to all models. Please see the specification chart for the correct quantity.

We change fork oil after every 4 rides. This allows you to keep track of oil level and keeps out any water build up. Use a reputable brand of oil.

Engine Oil

Bel-Ray Light Viscosity Trans Oil should be used in the transmissions. Multi-grade oils have additives that can effect our clutch facings in a negative way.

Model	Capacity	Viscosity	
125 WR, XC, CR	1400	Bel-Ray LV	
250 WR, XC, CR	1600	Bel-Ray LV	
420 AE, AXC	1200	Husky ATF	
430 WR, XC, CR	1600	Bel-Ray LV	

SUSPENSION TUNING

The front fork action can be adjusted three ways: The oil level, oil viscosity and air pressure. The oil level affects the compression ratio of the air inside. This pressure can be adjusted by raising or lowering the oil level in the forks. For example, if the fork is bottoming out more than you like and the viscosity and air pressure don't have much effect, raise the oil level by adding a measured amount to the fork. This will cause the air inside the fork leg to have a considerably higher pressure than before in the compressed state.

The oil viscosity controls the hydraulic action of the front fork. The damping of the forks will increase with use of heavier oil and visa-virsa.

Air pressure can be added or subtracted to set the riding height and slightly change the compression ratio of the air inside the fork leg.

Rear Suspension

There are three external changes you can make to your rear shocks. They are:

- 1. Changing the pre-load circlip position. This can change the riding height and affect how the motorcycle tracks while exiting or entering a turn. A general rule for setting this is to adjust the clip so tht after compressing the rear of the bike it returns to within about one inch of full extension.
- 2. Nitrogen pressure, raising or lowering this slightly effects the compression and rebound of the rear suspension. Use only nitrogen. The stock pressure setting is about 155 lbs.
 - 3. Increase or decrease spring rate by changing shock springs.

STEERING & FRONT FORK MAINTENANCE

Several items influence the action of the front fork. The steering head bearings are sensitive to moisture. Even though they are well sealed the bearings must be given periodic servicing. Avoid spraying high-pressure water into the bearing area. If water gets in, rust will quickly damage the bearings and make it necessary to replace them. Make it a habit to grease these bearings at each major service. Avoid over-tightening of the bearing retainer nut. Please, check that the forks move freely from side to side when the top nut is tightened. If there is too much drag, loosen the top nut, adjust the bearing retaining nut and retighten the top nut. There is a fine line between having the steering stem too loose or too tight.

The forks function better having everything the way it was intended. This means keeping the oil fresh and the level correct. The Bel-Ray LT fork oils provide superior hydraulic damping and lubrication. After considerable time the forks may tend to "top out." This is not a dangerous condition but it can cause some distraction to the rider. Inside the fork are small plastic rings that help control the hydraulic action. These are "wear" items and are easily replaced after disassembly of the front fork. When the forks are apart to replace the rings, be sure and clean any dirt out of the fork seals. Please see your dealer for assistance.

PREPARING FOR COMPE.

The following points should be loctited and properly torque. These points should be checked frequently, especially during the first few hours of operation. Before using loctite be sure all the threads are free from dirt and grease. Blue loctite is sufficient and recommended.

Loctite:

- 1. Top Shock mounting bolts. Torque to 6 ft. lbs.
- 2. Rear brake pedal mounting bolt (XC, WR, AE)
- 3. Steering stem nut
- 4. Chain rubbing pad screws
- 5. Fender to seat bolts
- 6. Rear sprocket bolts
- 7. Silencer end cap screws (CR)
- 8. Allen bolt holding kick starter in place.

Removing the paint from working surfaces. Paint can act as a lubricant on working surfaces. By removing the paint, it is possible to have a tighter fit of parts and there is less of a possibility for some bolts to work loose. The following items should have the paint removed. Sand paper or paint remover works well.

- 1. Triple clamp. Inside of clamps that surround the fork tubes.
- 2. Rear hub. Area that the rear sprocket seats against.
- 3. Engine mounting plates. Area where the plates meet the frame and engine mounts.
- 4. Chain adjuster bolts. Remove paint from swing arm where the axle adjusters tighten down.

Waterproofing

- 1. Owners of 1983 CR and XC must get the special water shield for the airbox if used in sloppy conditions. It is standard on the WR. Part #1515-028-01.
- Seal the carburetor boot to the airbox. Use sealer other than silicone. Silicone does not seem to stick well to the material the airbox is composed of.
- 3. Do not use silicone seal on any of the ignition components or wires. The drying agent in silicone sealer can attack the windings and other internal parts.
- 4. In extremely wet conditions use duct tape to protect the airbox from water around the seat junction area and near the area that breathes under the frame.
- 5. After racing in wet conditions, remove the ignition cover to allow any condensation to evaporate.

ing parts rather rapidly.

- 7. Pay close attention to control cables. A frayed housing invites water to get into the cables making for sticky operation.
- 8. Our off road racing teams use the Husky Products "o" ring chain. This chain will outlast other chains in wet conditions and increase sprocket life. See your dealer to obtain the chain.
- 9. Use genuine filter oil on the air filter. The latest formulas restrict the flow of water from entering the engine.
 - 10. Glue the airbox drain valve to the airbox housing.
- 11. There are rubber bushings in both ends of the brake torque arm on the CR models. Replace these when play in the pivot areas is detected.

AGCESSORIES (Please see your dealer)

Workshop Manual (Primary kick) 1519-986-01 (1981-83) Workshop Manual 1018-035-26 (to 1980) Wall Chart 1981 1011-004-01 Wall Chart 1982 1011-004-02 Wall Chart 1983 1519-944-02 Tool Set (Complete hand tool set—see your dealer for details) 1519-697-01

Crankcase Separator Tool 1519-810-01 (250, 430) Crankcase Assy. Tool 1519-564-01 Front Fork Tool 1519-122-01 Auto Workshop Manual 1018-032-26 Crankcase Separator Tool 1519-556-01 (125, 420)

NOTES				
		·		
			20%	

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		(2)		
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