

Clymer Collection Series Vintage Snowmobile, Volume 1 is a compilation of multiple manuals covering a Arctic Cat, John Deere, and Kawasaki snowmobiles.

This vintage snowmobile manual is 472 pages.

ARCTIC CAT, 1974-1979

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Machine identification and parts replacement / Operation / Tools / Expendable supplies / Working safely / Snowmobiling code of ethics / Snowmobile safety

CHAPTER TWO / PERIODIC MAINTENANCE AND TUNE-UP

Service maintenance intervals schedule / Fuel filter / Chaincase oil change / Drive belt / Brakes / Drive clutch and driven pulley / Track tension / Track alignment / Suspension adjustment / Tune-up / Torque cylinder head bolts / Ignition timing / Carburetor adjustment and synchronization / Jetting / Spark plugs / Specifications

CHAPTER THREE / TROUBLESHOOTING

Operating principles / Principles of 2-stroke engine / Engine starting / Engine performance / Engine failure analysis / Electrical system / Power train / Drive belt wear analysis / Skis and steering / Track assembly / Track wear analysis

CHAPTER FOUR / ENGINE

Engine top end overhaul / Engine lower end overhaul / Engine removal and installation / Engine mounts / Engine top end / Cylinder head / Cylinder housing / Pistons / Piston rings / Wrist pins / Connecting rods / Small end bearings / Reed valve / Crankcase / Crankshaft / Pinion gear / Specifications

CHAPTER FIVE / FUEL SYSTEM

Walbro carburetor / Mikuni carburetor / Intake silencers / Fuel tank / Inline fuel filter / Fuel pump / Specifications

CHAPTER SIX / ELECTRICAL SYSTEM

Capacitor discharge ignition (CDI) / Magneto ignition / Lighting system testing / Headlight and bulb replacement / Headlight aiming / Brake light and taillight bulb replacement / Specification

CHAPTER SEVEN / POWER TRAIN

Drive belt / Drive clutch / Driven pulley / Drive chain and sprockets / Driven shaft / Track drive shaft and track / Specifications

CHAPTER EIGHT / FRONT SUSPENSION AND STEERING

Ski wear bars / Skis / Tie rods / Ski alignment / Spindle / Steering post / Throttle handle / Brake handle / Specifications

CHAPTER NINE / REAR SUSPENSION AND TRACK

Suspension removal and installation / Hi-Fax slide replacement / Specifications

SUPPLEMENT / 1978-1979 SERVICE INFORMATION

Suspension alignment (El Tigre models) / Drive belt specification / Basic air screw setting (Mikuni)

carburetors) / Engine tightening torque specifications / Liquid cooled engine (El Tigre 6000) / Upper-end rebuild / Lower end rebuild / Engine pressure testing / Reed valve (El Tigre models)

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KAWASAKI, 1976-1980

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Machine identification and parts replacement / Operation / Tools / Expendable supplies / Working safely / Snowmobiling code of ethics / Snowmobile safety

CHAPTER TWO / PERIODIC MAINTENANCE

Service intervals / Tune-up / Check fuel level / Check oil level / Check engine stop switch / Check tether switch / Check coolant level / Adjust ignition timing / Adjust starter cable free play / Adjust throttle cable / Carburetor service and adjustment / Track tension and alignment check / Brake adjustment / Fuel filter service / Drive sheave adjustment / Engine top end decarbonization / Clean and inspect fuel tank / Inspect chain tensioner guides / Lubricate control cables / Lubricate chain case / Cylinder head fastener torque specification / Ignition system / Spark plugs / Contact breaker ignition timing and adjustment / Condenser replacement / Capacitive Discharge Ignition (CDI) / Strobe timing / Carburetor idle mixture / Throttle stop / Slide needle position / Main jet metering adjustment / Carburetor synchronization / Specifications

CHAPTER THREE / TROUBLESHOOTING

Operating principles / Principles of 2-stroke engine / Engine starting / Engine performance / Engine failure analysis / Electrical system / Power train / Drive belt wear analysis / Skis and steering / Track assembly / Track wear analysis

CHAPTER FOUR / ENGINE

Engine removal (Air cooled) / Engine removal (liquid cooled) / Engine installation (air cooled) / Engine installation (liquid cooled) / Upper end service (air cooled) / Upper end service (liquid cooled) / Lower end service / Oil pump / Starter / Specifications

CHAPTER FIVE / FUEL AND EXHAUST SYSTEMS

Carburetors / Mikuni VM zinc carburetor / Mikuni Econo-Jet carburetor / Carburetor adjustment / Jetting / Reed valve / Fuel tank / Fuel filter / Fuel pump / Exhaust system / Specifications

CHAPTER SIX / ELECTRICAL SYSTEM

Capacitive discharge ignition (CDI) / Flywheel magneto / Electrical testing / Lighting system / Brake light/ Taillight / Headlight / Electric starting system / Battery / Starter / Specifications

CHAPTER SEVEN / DRIVE TRAIN

Drive belt / Drive sheave removal and installation / Driven sheave / Chaincase / Drive axle / Brakes / Specifications

CHAPTER EIGHT / FRONT SUSPENSION AND STEERING

Skis / Steering / Ski alignment / Control cable replacement / Specifications

CHAPTER NINE / REAR SUSPENSION AND TRACK

Rear suspension / Track removal / Track installation / Suspension adjustment / Specifications

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WIRING DIAGRAMS

John Deere, 1972-1977

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Machine identification and parts replacement / Operation / Tools / Expendable supplies / Working safely / Snowmobiling code of ethics / Snowmobile safety / Specifications

CHAPTER TWO / PERIODIC MAINTENANCE AND TUNE-UP

Inline fuel filter / Fan belt tension / Coolant pump drive belt tension / Draining and filling liquid cooling system / Drive and driven sheaves / Drive belt / Brakes / Chaincase oil level / Track tension and adjustment / Steering response adjustment (slide suspension ski lift) / Hardware and component tightness check / Engine tune-up / Spark plugs / C.C.W. and Kioritz engine breaker point adjustment / Kohler engine breaker point adjustment and timing adjustment / C.C.W. and Kioritz engine magneto and ignition timing adjustment / CDI ignition timing / Throttle cable adjustment (Walbro and bendix carburetors) / Choke cable adjustment (Walbro and bendix carburetors) / Walbro Carburetor mixture and idle speed adjustment / Bendix carburetor mixture and idle speed adjustment / Mikuni carburetor starter (choke) adjustment / Mikuni carburetor adjustment and synchronization / Mikuni carburetor air flow meter synchronization / Mikuni carburetor main jet selection / Off-season storage / Specifications

CHAPTER THREE / TROUBLESHOOTING

Operating principles / Principles of 2-stroke engine / Engine starting / Engine performance / Engine failure analysis / Electrical system / Power train / Drive belt wear analysis / Skis and steering / Track assembly / Track wear analysis

CHAPTER FOUR / ENGINE

Top end overhaul / Kohler engine / Component inspection / C.C.W. and Kioritz engines / Recoil starters (C.C.W. and Kioritz engines) / Recoil starters (Kohler engines) / Torque specifications / Dimensions and wear tolerances / Specifications

CHAPTER FIVE / FUEL SYSTEM

Walbro carburetors / Bendix carburetors / Mikuni carburetors / Intake silencers / Fuel tank (front-engine models) / Fuel tank (id-engine models) / Inline fuel filter / Fuel pump / Specifications

CHAPTER SIX / LIQUID COOLING SYSTEM

Cooling system pressure test / Draining and filling the cooling system / Thermostat / Coolant pump / Liquifire heat exchange / Liquidator radiator / Coolant temperature gauge / Specifications

CHAPTER SEVEN / ELECTRICAL SYSTEM

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CHAPTER EIGHT / POWER TRAIN

Drive belt / Drive sheaves / Driven sheaves / Drive train (mid-engine models) / Drive train (front-engine models) / Band brake / Mechanical disc brake / Specifications

CHAPTER NINE / FRONT SUSPENSION AND STEERING

Skis and steering (Cyclone and Liquifire models) / Skis and steering (all models except Cyclone and Liquifire models) / Specifications

CHAPTER TEN / REAR SUSPENSION AND TRACK

Bogie wheel suspension / Slide suspension / track and drive shaft (bogie suspension) / track and drive shaft (slide suspension) / Suspension and track / Specifications

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Models covered:

1974 1975 1976 1977 1978 1979 Arctic Cat Cheeta
1974 1975 1976 1977 1978 1979 Arctic Cat El Tigre
1974 1975 1976 1977 1978 1979 Arctic Cat Jag
1974 1975 1976 1977 1978 1979 Arctic Cat Lynx 1
1974 1975 1976 1977 1978 1979 Arctic Cat Lynx II
1974 1975 1976 1977 1978 1979 Arctic Cat Pantera
1974 1975 1976 1977 1978 1979 Arctic Cat Panther
1972 1973 1974 1975 1976 1977 John Deere 300
1972 1973 1974 1975 1976 1977 John Deere 340 Cyclone
1972 1973 1974 1975 1976 1977 John Deere 340 Liquifire
1972 1973 1974 1975 1976 1977 John Deere 400
1972 1973 1974 1975 1976 1977 John Deere 440 Cyclone
1972 1973 1974 1975 1976 1977 John Deere 440 Liquifire
1972 1973 1974 1975 1976 1977 John Deere 500
1972 1973 1974 1975 1976 1977 John Deere 600
1972 1973 1974 1975 1976 1977 John Deere 800
1972 1973 1974 1975 1976 1977 John Deere JD295/S
1972 1973 1974 1975 1976 1977 John Deere JDX4
1972 1973 1974 1975 1976 1977 John Deere JDX6
1976 1977 1978 1979 1980 Kawasaki SA340
1976 1977 1978 1979 1980 Kawasaki SA440
1976 1977 1978 1979 1980 Kawasaki SB340
1976 1977 1978 1979 1980 Kawasaki SB440
1976 1977 1978 1979 1980 Kawasaki SS340

Clymer Manuals Arctic Cat Cheeta Manual
Clymer Manuals Arctic Cat El Tigre Manual
Clymer Manuals Arctic Cat Jag Manual
Clymer Manuals Arctic Cat Lynx 1 Manual
Clymer Manuals Arctic Cat Lynx II Manual
Clymer Manuals Arctic Cat Pantera Manual
Clymer Manuals Arctic Cat Panther Manual
Clymer Manuals John Deere 300 Manual
Clymer Manuals John Deere 340 Cyclone Manual

Clymer Manuals John Deere 340 Liquifire Manual
Clymer Manuals John Deere 400 Manual
Clymer Manuals John Deere 440 Cyclone Manual
Clymer Manuals John Deere 440 Liquifire Manual
Clymer Manuals John Deere 500 Manual
Clymer Manuals John Deere 600 Manual
Clymer Manuals John Deere 800 Manual
Clymer Manuals John Deere JD295/S Manual
Clymer Manuals John Deere JDX4 Manual
Clymer Manuals John Deere JDX6 Manual
Clymer Manuals Kawasaki SA340 Manual
Clymer Manuals Kawasaki SA440 Manual
Clymer Manuals Kawasaki SB340 Manual
Clymer Manuals Kawasaki SB440 Manual
Clymer Manuals Kawasaki SS340 Manual

Arctic Cat

Lynx I (1974-1979)
Lynx II (1974-1979)
Pantera (1974-1979)
Panther (1974-1979)
Cheetah (1974-1979)
El Tigre (1974-1979)
Jag (1974-1979)

John Deere

300 (1972-1977)
400 (1972-1977)
500 (1972-1977)
600 (1972-1977)
800 (1972-1977)
JDX4 (1972-1977)
JDX6 (1972-1977)
JD295/S (1972-1977)
340 Cyclone (1972-1977)
340 Liquifire (1972-1977)
440 Cyclone (1972-1977)
440 Liquifire (1972-1977)

Kawasaki

SA340 (1976-1980)
SA440 (1976-1980)
SB340 (1976-1980)
SB440 (1976-1980)
SS340 (1976-1980)