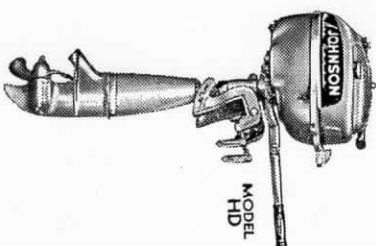


REPAIR PARTS CATALOG

For Model HD-25

1946-50
2.5 hp



JOHNSON MOTORS

Waukegan, Illinois, U.S.A.

All Prices Subject to Change Without Notice

How to Order Parts

- 1st. Give MOTOR SERIAL NUMBER AND Model, which will be found on cover plate of mag-neto.
- 2nd. Look in list for part number which will show name and price per piece.
- 3rd. Write order plainly, giving the motor number, part number, name of part and price per piece.
- 4th. Show to whom parts are to be shipped.
- 5th. To insure quick service, ALWAYS INCLUDE REMITTANCE WITH POSTAGE TO COVER CARRYING CHARGES AND INSURANCE. Stamps are accepted as cash up to 25 cents. A minimum charge of 25¢ will be made on all orders amounting to less than that amount. All parts shipped insured at a charge of 5 cents extra.

IMPORTANT:

No replacements made unless regular claim is entered on form provided for that purpose by all authorized dealers or service stations.
ALL DEFECTIVE PARTS MUST BE RETURNED WITH CLAIM FORM PROPERLY FILLED IN, TRANSPORTATION PREPAID, before any replacements will be made.
 All prices are subject to change without notice.

Care of Motors When Used in Salt Water

Regardless of the material used in the construction of an outboard motor, it will corrode and tarnish to a certain extent when used in salt water. It is of importance, therefore, to adhere closely to the following instructions if you want to receive the most from your motor.

1. Remove the motor from the boat when it is not in service.
2. Flush out the cooling system as soon as possible.
3. Rinse off thoroughly with fresh water.
4. Wipe dry with a cloth.
5. Go over all the bright parts with an oily cloth, especially if the motor is to be stored for any length of time.

Warranty

All Johnson Motors (tracing models excepted) are warranted to be free from defects in material and workmanship under normal use and service, our obligation under this Warranty being limited to making good at our factory in Waukegan, Illinois, any part or parts thereof which shall, within three months after date of delivery to owner, be returned to us with transportation charges prepaid, and which our examination shall disclose to our satisfaction to have been thus defective, this Warranty being expressly in lieu of all other warranties and representations, express or implied, and of all other liabilities in connection with the sale or use of our outboard Motors.

This Warranty shall not apply to any outboard motor which shall have been repaired or altered outside of the factory in any way so as in our judgement, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident.

CLAIMS MUST BE ENTERED ON ALL RETURNED GOODS

Regular claim forms are provided at all our dealers, service stations and distributors. All claims must be entered on this form, No. SE-16, before parts are returned to factory. No part will be replaced unless this form is used. See your dealers for claim form.

All material—motors or parts—be returned to your nearest service station or dealer—TRANSPORTATION CHARGES PREPAID.

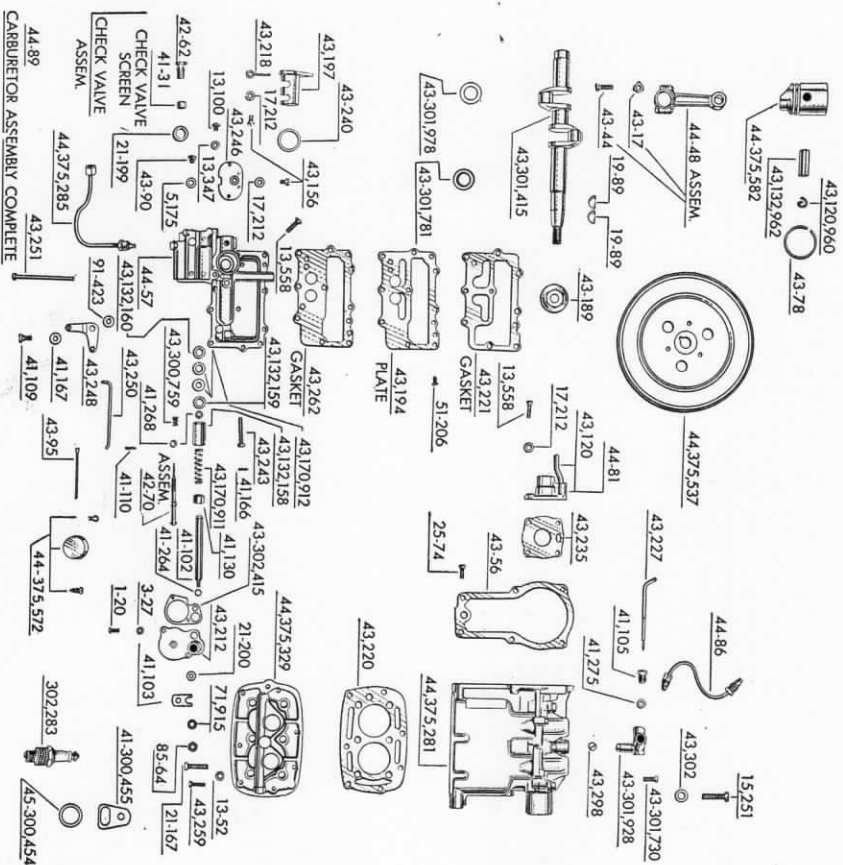
REMEMBER—ALWAYS request a claim form and properly fill it in before returning any material to our service station or distributor.

WARRANTY DOES NOT APPLY TO RACING MOTORS

Due to the excessive strains and stresses placed upon motors when used for racing, all Johnson motors of racing model or all other models when used for racing are sold with the distinct understanding that they are not guaranteed in any manner, and that Johnson Motors does not assume any responsibility for injury or damage sustained from their use thereof.

Always Give Part Number and Motor Number

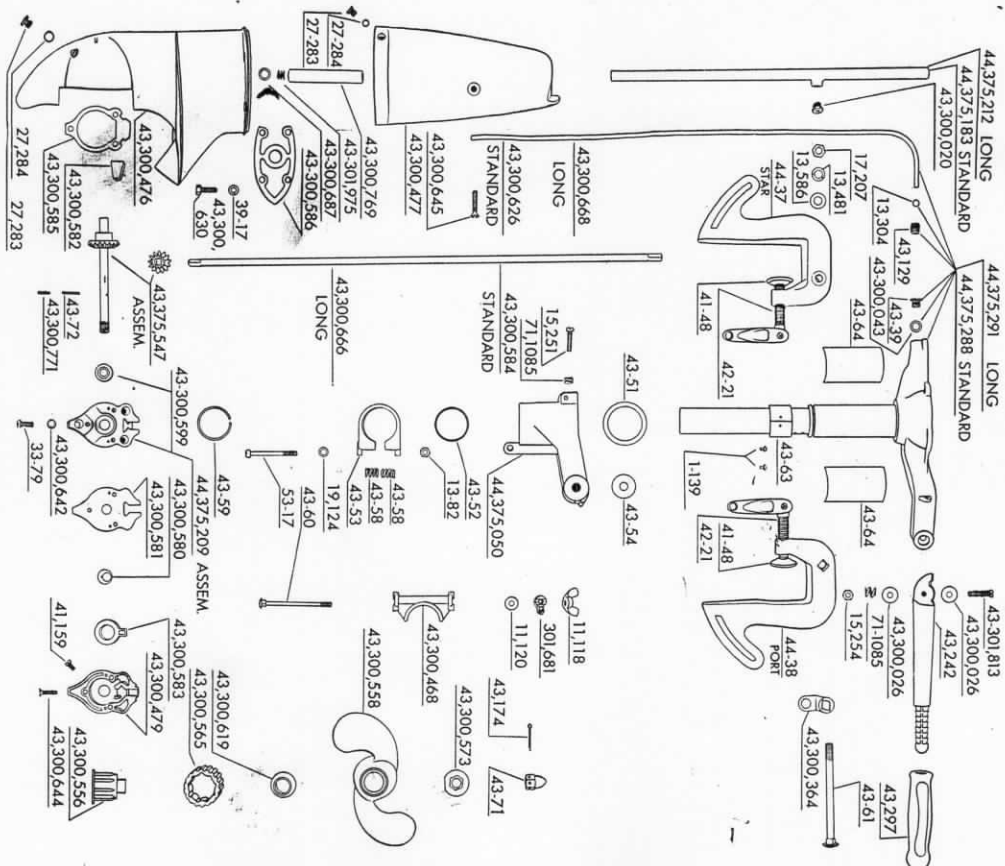
POWER HEAD AND CARBURETOR PARTS



Order All Parts from Nearest Service Station or Dealer

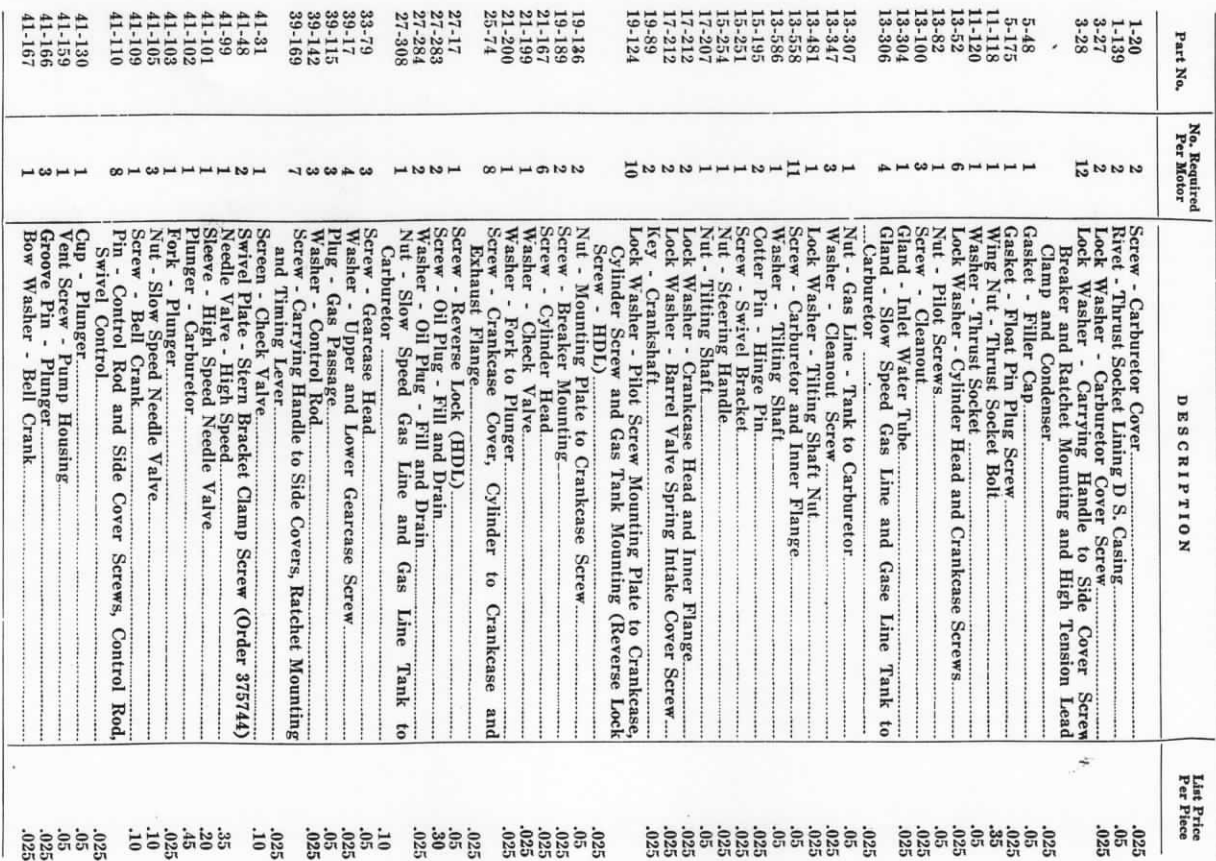
always give full number and color number

LOWER UNIT PARTS



Order All Parts from Nearest Service Station or Dealer

PARTS FOR MODEL HD-25 MOTOR



Always Give Part Number and Motor Number

PARTS FOR MODEL HD-25 MOTOR

Part No.	No. Required Per Motor	DESCRIPTION	Last Price Per Piece
41-168	1	Washer - Swivel	.025
41-172	1	Bushing - High Speed Needle	.10
41-178	1	Screw - Clamp for Armature Plate	.025
41-188	1	Clamp Plate - Rope Handle	.05
41-192	3	Washer - Equalizer	.025
41-194	3	Snap Ring - Pawl Pin	.025
41-197	1	Main Spring - Starter	1.10
41-205	2	Screw - Clamp to Rope Handle	.025
41-219	1	Wrench	.025
41-264	1	Washer - Pump Plunger	.025
41-268	2	Washer - Needle Valve Spring	.025
41-275	3	Packing - Slow Speed Needle Valve	.025
42-21	2	Clamp Screw (Order 375744)	.025
42-62	1	Check Valve	1.10
42-70	1	Needle Valve Assembly - High Speed	.75
43-16	1	Thrust Socket (HDL)	.75
43-17	4	Lockplates - Connecting Rod Screw	.025
43-39	1	Plug - Water Tube Terminal	.10
43-44	4	Screw - Connecting Rod	.05
43-51	1	Thrust Washer - Swivel Bracket	.15
43-52	1	Lining - Pilot	.30
43-53	1	Pilot Band	.70
43-54	2	Thrust Washer - Tilting Shaft	.025
43-55	1	Reverse Lock (HDL)	.75
43-56	1	Gasket - Exhaust Flange	.10
43-58	2	Snap Ring - Pilot Band	.05
43-59	1	Bolt - Thrust Flange and Steering Bracket	.30
43-60	1	Tilting Shaft	.15
43-61	1	Lining - Thrust Socket	.15
43-63	1	Bushing - Swivel Bracket	.45
43-64	2	Nut - Propeller	.35
43-71	1	Drive Pin - Propeller	.025
43-72	1	Piston Ring	.35
43-78	4	Float Pin	.15
43-95	1	Tube - Water Outlet, Crankcase Head	.10
43-120	1	Feeler Gauge	.10
43-128	1	Nut - Water Tube - Upper	.15
43-129	1	Anchor - Starting Rope	.30
43-144	1	Screw - Barrel Valve Spring and Intake Cover	.025
43-156	2	Cotter Pin - Propeller Nut	.025
43-174	1	Nut - Crankshaft	.30
43-189	1	Plate - Muffler to Cylinder	.35
43-194	1	Spring for Starter Pawl	.05
43-195	3	Barrel Valve	.75
43-197	1	Equalizer - Starter	.05
43-204	1	Cover - Carburetor	.10
43-212	1	Gasket - Cylinder Head	.15
43-218	1	Spring - Barrel Valve	.10
43-220	1	Gasket - Muffler to Cylinder	.05
43-221	1	Plug - Cylinder Head	.025
43-222	1	Needle Valve - Slow Speed	.30
43-227	1	Gasket - Inner Flange	.05
43-235	1	Washer - Barrel Valve to Carburetor	.025
43-240	1	Steering Handle	.65
43-242	1	Screw - Carburetor and Exhaust Manifold to Cyl	.025
43-243	1	Cover - Carburetor Intake	.10
43-246	1	Ball Crank - Carburetor	.20
43-248	1	Control Rod - Horizontal	.30
43-249	1	Control Rod - Vertical	.05
43-250	1	Screw - Carburetor and Exhaust Manifold to Cyl	.35
43-251	1	Socket Wrench (Flywheel Nut)	.025
43-253	1	Screw - Cylinder Head	.025
43-259	7		

Order All Parts from Nearest Service Station or Dealer

Part No.	No. Required Per Motor	DESCRIPTION	Last Price Per Piece
43-261	1	Nozzle - Carburetor	.10
43-262	1	Gasket - Plate to Muffler	.10
43-267	1	Rubber Grip - Steering Handle	.55
43-298	1	Seat - Slow Speed Intake	.025
43-301	1	Washer - Shoulder Screw	.05
43-302	6	Washer - Crankcase Screws	.025
44-13	3	Pawl and Post Assembly	.15
44-19	1	Starter Rope and Anchor	1.75
44-37	1	Stern Bracket and Clamp Screw Assembly - Star	1.65
44-38	1	Connecting Rod and Lockplates	2.50
44-47	2	Carburetor Body and Nozzle	7.15
44-57	1	Piston and Connecting Rod Assembly	5.80
44-70	2	Inner Flange and Tube Assembly	.70
44-83	1	Steering Handle Assembly	1.65
44-86	1	Gasoline Line - Slow Speed	.50
44-89	1	Carburetor Complete	16.00
51-151	5	Screw - Lamination Mounting and Stop Switch	.025
51-206	3	Lock Washer - Shake-Proof, Shoulder Screw	.025
53-17	1	Screw - Plate to Muffler	.10
53-85	5	Screw - Pilot Band	.025
71-45	4	Screw - Condenser - Oil & Lead Clamp Mounting	.025
71-47	2	Screw - Bar Nut	.025
71-471	2	Nut - Ground	.025
71-765	1	Screw - Timing Lever	.025
71-915	1	Lockwasher - Plunger Nut	.025
71-1085	4	Lockwasher - Shake-Proof - Terminal Bar Screw	.025
71-1102	2	Spring - Clamp Screw - Swivel Bracket	.10
71-1239	1	Nut - Stop Switch	.025
71-1531	1	Marker - High Tension Lead	.05
71-1539	2	Washer - High Tension Spring	.025
71-1577	1	Swivel Control	.30
71-1582	1	Bar Nut - Breaker	.85
72-1083	2	Screw - Terminal Bar	.10
85-64	4	Starter Pulley and Pawl Assembly	.025
120960	1	Nut - Plunger to Fork	2.50
132155	4	Lock Ring - Wrist Pin	.025
132159	1	Sleeve - Plunger	.025
132160	1	Packing Washer - Top	.45
132962	1	Packing Washer - Bottom	.05
170911	2	Wrist Pin	.15
170912	2	Spring - Plunger	.15
171186	1	Facking Washer - Leather	.15
300020	4	Insulation Bushing	.025
300026	2	Screw - Inner Driveshaft Casing Vent	.10
300152	2	Washer - Steering Handle	.025
300153	2	Terminal Bar	.025
300154	2	Condenser	.90
300300	6	Washer - Bracket and Lamination Screw	.025
300346	1	Spring - Ratchet Pawl	.05
300354	1	Pin - Needle Valve to Sleeve	.025
300454	1	Link - Safety Chain	.05
300455	1	Grommet - Ignition Lead	.05
300468	1	Anchor - Ignition Lead	.05
300476	1	Thrust Socket	.85
300477	1	Gearcase - Lower	9.10
300479	1	Pump Housing - Upper	5.80
300489	1	Starter Housing	1.65
300500	1	Armature Plate	3.85
300511	1	Tubing - Insulation Stop Switch	2.40

Order All Parts from Nearest Service Station or Dealer

Always Give Part Number and Motor Number

PARTS FOR MODEL HD-25 MOTOR

Part No.	No. Required Per Motor	DESCRIPTION	Last Price Per Piece
300514	1	Clamp - High Tension Lead.....	.025
300516	1	Bearing Shim.....	.05
300518	1	Timing Washer - Rotor Holding.....	.10
300520	1	Timing Lever.....	.50
300522	1	Contact - Stop Switch.....	.05
300527	1	Clamp - High Tension Lead.....	.025
300531	1	Cup Washer - Stop Switch.....	.05
300532	3	Washer - Insulation Stop Switch.....	.025
300533	1	Ratchet - Armature Plate.....	.10
300547	1	Nut - Starter, Acorn.....	.20
300556	1	Propeller Hub.....	1.15
300558	1	Propeller.....	1.65
300573	1	Propeller Ring.....	.70
300578	1	Washer - Outer - Propeller.....	.05
300580	1	Eccentric - Pump.....	1.65
300581	1	Plate - Pump.....	.35
300582	1	Seal - Water Tube.....	.10
300583	1	Rotor - Pump.....	.35
300584	1	Driveshaft.....	1.25
300585	1	Gasket - Gearcase Head.....	.05
300586	1	Gasket - Upper and Lower Gearcase.....	.05
300589	1	Grease Retainer - Propeller Shaft.....	.60
300611	2	Dowel Pin - Gearcase Head.....	.025
300612	1	Shift-off Valve Assembly.....	.85
300613	1	Shoulder Screw - Starter.....	.30
300616	2	Screw - Side Cover to Mounting Plate - Rear.....	.10
300619	1	Bushing - Side Cover to Mounting Plate - Rear.....	.10
300622	1	Ratchet Pin.....	.15
300623	1	Spring Pin.....	.025
300626	1	Water Tube - Inlet.....	.60
300630	4	Screw - Upper and Lower Gearcase.....	.10
300633	3	Screw - Housing - Starter.....	.05
300635	2	Screw - Mounting Plate to Crankcase.....	.20
300636	1	Pawl - Armature Plate Ratchet.....	.35
300642	3	Lockwasher - Gearcase Head Screws.....	.025
300644	3	Screw - Pump Housing to Gearcase Head.....	.05
300645	1	Screw - Clamp - Gearcase - Upper.....	.10
300646	2	Screw - Mounting Plate to Cylinder.....	.05
300647	4	Screw - Gas Tank to Mounting Plate.....	.05
300661	1	Nut - Gasoline Line.....	.10
300666	1	Driveshaft (HDL).....	1.40
300668	1	Water Tube - Inlet.....	.70
300687	1	Seal - Driveshaft.....	.10
300702	1	Transfer - Star.....	.35
300703	1	Transfer - Port.....	.35
300710	1	Oiling and Starting Instructions.....	N/C
300726	2	Lockwasher - Timing Lever.....	.025
300746	1	Spring - Control Rod.....	.025
300759	1	Spring - High Speed Needle.....	.025
300769	2	Retainer - Gearcase.....	.15
300771	1	Pin - Lock - Pump Eccentric.....	.025
301415	1	Crankshaft.....	12.00
301538	1	Mounting Plate.....	8.80
301681	1	Lockplate - Stern Bracket.....	.15
301720	1	Clip - Oiler Mounting Screw.....	.025
301727	1	Carrying Handle.....	.55
301781	1	Oil Slinger.....	.025
301928	1	Slow Speed Intake.....	1.10
301928	1	Spring - Pinion Shaft Seal.....	.05
301975	1	Felt Washer - Top Bearing - Crankshaft.....	.10
301978	1	Spark Plugs.....	.80
302283	2	Screw - Adjusting Rod to Sleeve.....	.025
302341	1	Gasket - Carburetor Cover to Carburetor Body.....	.05
302415	1		

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PARTS FOR MODEL HD-25 MOTOR

Part No.	No. Required Per Motor	DESCRIPTION	Last Price Per Piece
375050	1	Swivel Bracket.....	2.20
375134	2	Spring and Point Assembly - Breaker.....	.35
375183	1	Inner Driveshaft Casing Assembly.....	1.15
375189	2	Coil and Core Assembly.....	5.80
375190	1	Connector and Screen Assembly.....	.65
375191	1	Adjusting Rod and Knob Assembly.....	.50
375212	1	Gearcase Head and Dowel Pin Assembly.....	3.05
375247	1	Inner Driveshaft Casing (HDL).....	1.30
375248	1	Oiler Assembly.....	.10
375253	1	Lead - Coil to Ground.....	.15
375254	1	Shroud, Handle and Finishing Strip Assembly.....	6.60
375259	1	Starter Housing Assembly.....	10.75
375278	1	Tool Kit Assembly.....	29.75
375281	1	Cylinder and Crankcase Assembly.....	Net 1.00
375285	1	Gasoline Line - Tank to Carburetor.....	.45
375288	1	Driveshaft Casing and Water Tube Assembly.....	8.80
375290	1	Gearcase Assembly Complete with Gears & Shafts.....	33.00
375291	1	Lower Unit Complete Less Propeller.....	66.00
375292	1	Driveshaft Casing and Water Tube Assembly (HDL).....	9.35
375293	1	Gearcase Complete with Gears & Shafts (HDL).....	35.25
375294	1	Lower Unit Complete Less Propeller (HDL).....	69.25
375295	2	Lead - Breaker to Switch - Long.....	.30
375329	1	Terminal Assembly for Ignition Lead.....	.10
375329	1	Cylinder Head and Plug Assembly.....	2.20
375492	1	Armature Plate Complete.....	23.75
375514	1	Filler Cap Assembly - Gasoline Tank.....	1.65
375537	1	Flywheel.....	5.25
375542	1	Handle - Starter.....	.65
375547	1	Propeller Shaft and Gear Assembly.....	7.45
375549	1	Rotor Assembly.....	3.60
375554	1	Lead Assembly - Short.....	.30
375559	1	High Tension Lead Assembly - Long.....	.60
375560	1	High Tension Lead Assembly - Short.....	.60
375568	1	Gasoline Tank and Filler Cap Assembly.....	13.25
375572	1	Floot Assembly - Carburetor.....	.30
375582	2	Starter Pulley Assembly.....	2.20
375601	1	Piston and Dowel Pin Assembly.....	1.95
375701	1	Connector and Filler Assembly - Gas Tank.....	1.40
375744	1	Adjusting Rod and Sleeve Assembly.....	.85
510055	2	Clamp Screw and Swivel Plate Assembly.....	.75
510120	2	Push Rod - Breaker.....	.35
580016	4	Lead Assembly - Breaker to Switch - Short.....	.025
580027	1	Breaker Assembly Complete.....	2.75
	1	Breaker Bracket and Point Assembly.....	1.30

*HD-25 Motors with serial numbers below 785212 use Connector and Filler Assembly Part No. 375190.

Order All Parts from Nearest Service Station or Dealer