



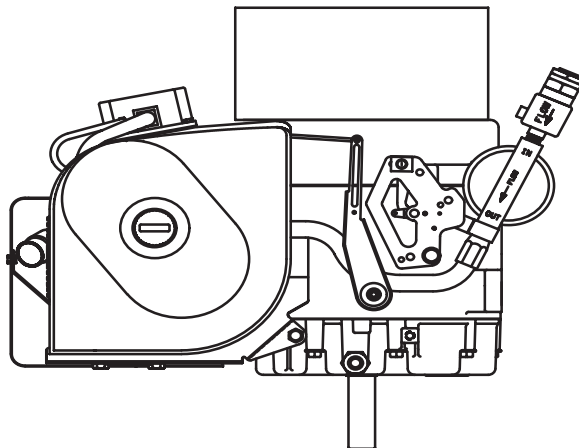
# Engine

## Parts Catalog

LP

E124V-L  
E125V-L  
E140V-L

OLV13  
ZXV390



Printed in U.S.A.

965-0200B  
12-98 (Spec B-F)  
Replaces 11-97 (Spec B-F)

## MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION  
AND DATE (IF APPLICABLE)

## SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



*This symbol warns of immediate hazards which will result in severe personal injury or death.*



*This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.*



*This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.*

## PRODUCT SAFETY PRECAUTIONS



***Service and repair of Onan equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.***



***Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.***



***Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!***



***Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!***

## Introduction

This parts manual applies to the standard Elite horizontal engine as listed in the Engine Data Table. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Throughout this manual, left and right sides are determined by facing the oil cooler (front) end of the engine.

Using the MODEL and SPECIFICATION NUMBER from the nameplate, consult the SALES OPTION CODE TABLE in the back of the book to identify factory installed parts that are unique to your engine (\*Note: The diagonal line (/) in the model and specification number separates engine characteristics from the specification number/letter. The specification number denotes customer requested features. The specification letter advances [A to B, B to C, etc] with major manufacturing changes.)

### Engine Data Table

<u>Model/Spec No.</u>	<u>Rating</u>
E124V-L/*	12.5/14 Horsepower
E125V-L/*	12.5 Horsepower
E140V-L/*	14.0 Horsepower
OLV13/*	12.5/14 Horsepower
ZXV390/*	12.5/14 Horsepower

## Index

Adapter Assy, Oil Fill (Long Tube), **35**  
Adapter, Air Cleaner, **17**  
Adapter, Oil Filter, **13**  
Adapter, Pipe (Spec 11531), **23**  
Arm Assy, Rocker, **11**  
Arrester, Spark, **40**

Ball, Steel, **13**  
Base, Oil, **13**  
Bearing, Balancer Shaft Lower, **13**  
Bearing, Balancer Shaft Upper, **5**  
Bearing, Camshaft, **5**  
Bearing, Crankshaft Lower, **13**  
Bearing, Crankshaft Upper, **5**  
Block, Cylinder, **5**  
Bracket, Carburetor Guard, **36**  
Bracket, Muffler Guard (Code 21CG), **40**  
Bracket, Muffler Guard (Code 21CJ), **41**  
Bracket, Oil Fill Support (Short Tube), **34**  
Bracket, Regulator Mounting, **21**  
Breather, **11**  
Bushing, Voltage Regulator, **16**

Camgear, **6**  
Camshaft, **6**  
Cap, 110V Starter Drive, **25**  
Cap, Spark Plug, **11**  
Carburetor (All Specs Except 11531), **16**  
Carburetor (Spec 11531), **19**  
Case, Recoil, **27**  
Case, Recoil Spring, **27**  
Cleaner, Air (All Specs Except 11531), **17**  
Cleaner, Air (Spec 11531), **19**  
Clip, Fuel Hose, **24**  
Clip, Governor Lever Link, **15**  
Clip, Governor Link, **15**  
Clip, Governor Shaft Retainer, **6**  
Clip, Hose, **11**  
Clip, Link, **19**  
Clip, Oil Drain Hose, **13**  
Clip, Rocker Arm Retainer, **11**  
Components, 110V Starter, **25**  
Components, 12V Starter, **26**  
Components, Engine Harness (Spec 11531), **20**  
Components, Recoil Starter, **27**  
Connector, Pipe (Spec 11531), **23**  
Contact, Switch, **15**  
Cord, Outdoor Extension, **42**  
Cover, Air Cleaner, **17, 19**  
Cover, Air Cleaner Element, **17, 19**  
Cover, Oil Pickup Screen, **13**  
Cover, Oil Pump, **13**  
Cover, Precleaner (Spec 11217, 11326), **28**  
Cover, Precleaner (Spec 11294, 11315), **31**  
Cover, Precleaner (Spec 11531), **33**  
Cover, Valve, **11**  
Crankshaft, **7**

Definitions, Sales OptionCode, **43**  
Deflector, Air, **36, 37**  
Dog, Recoil, **27**

Edging, Precleaner Support (Spec 11217, 11326), **28**  
Elbow, 90 Degree Pipe, **22**  
Elbow, Air Cleaner Hose, **17**  
Elbow, Cylinder Block Hose, **5**  
Elbow, Exhaust, **38**  
Elbow, Fuel Shutoff Valve, **22**  
Elbow, Intake, **16, 19**  
Elbow, Regulator Hose, **22**  
Element, Air Cleaner, **17, 19**

Filter, Oil, **13**  
Filter, Precleaner (Spec 11217, 11326), **28**  
Filter, Precleaner (Spec 11294, 11315), **31**  
Filter, Precleaner (Spec 11531), **33**  
Flyweight, Camgear, **6**  
Fuse, **20**

Gasket, Air Cleaner, **17**  
Gasket, Air Cleaner Adapter, **42**  
Gasket, Carburetor, **16, 19, 42**  
Gasket, Carburetor Insulator, **19**  
Gasket, Cover, **11**  
Gasket, Cylinder Head, **11, 42**  
Gasket, Cylinder Head Cover, **42**  
Gasket, Exhaust Manifold, **42**  
Gasket, Insulator, **42**  
Gasket, Intake, **19**  
Gasket, Intake Manifold, **42**  
Gasket, Muffler, **38, 39, 40, 41**  
Gasket, Oil Base, **13, 42**  
Gear, Balancer, **7**  
Gear, Crankshaft, **7**  
Gear, Governor, **13**  
Gear, Ring, **9**  
Governor, **15**  
Grommet, Air Cleaner, **17**  
Guard, Muffler (Code 21CG), **40**  
Guard, Muffler (Code 21CJ), **41**  
Guard, Regulator, **21**  
Guard, Stationary (Spec 11294, 11315), **31**  
Guard, Stationary (Spec 11330), **29**  
Guard, Stationary (Spec 11531), **33**  
Guide, Valve, **11**

Handle Assy, Recoil, **27**  
Harness, Engine (All Specs Except 11531), **16**  
Harness, Engine (Spec 11531), **19**  
Harness, Power Supply, **23**  
Head, Cylinder, **11**  
Holder, Fuse, **20**  
Hose, Breather, **17**  
Hose, Fuel, **16, 24**  
Hose, Fuel (Spec 11531), **23**  
Hose, Oil Drain, **13**

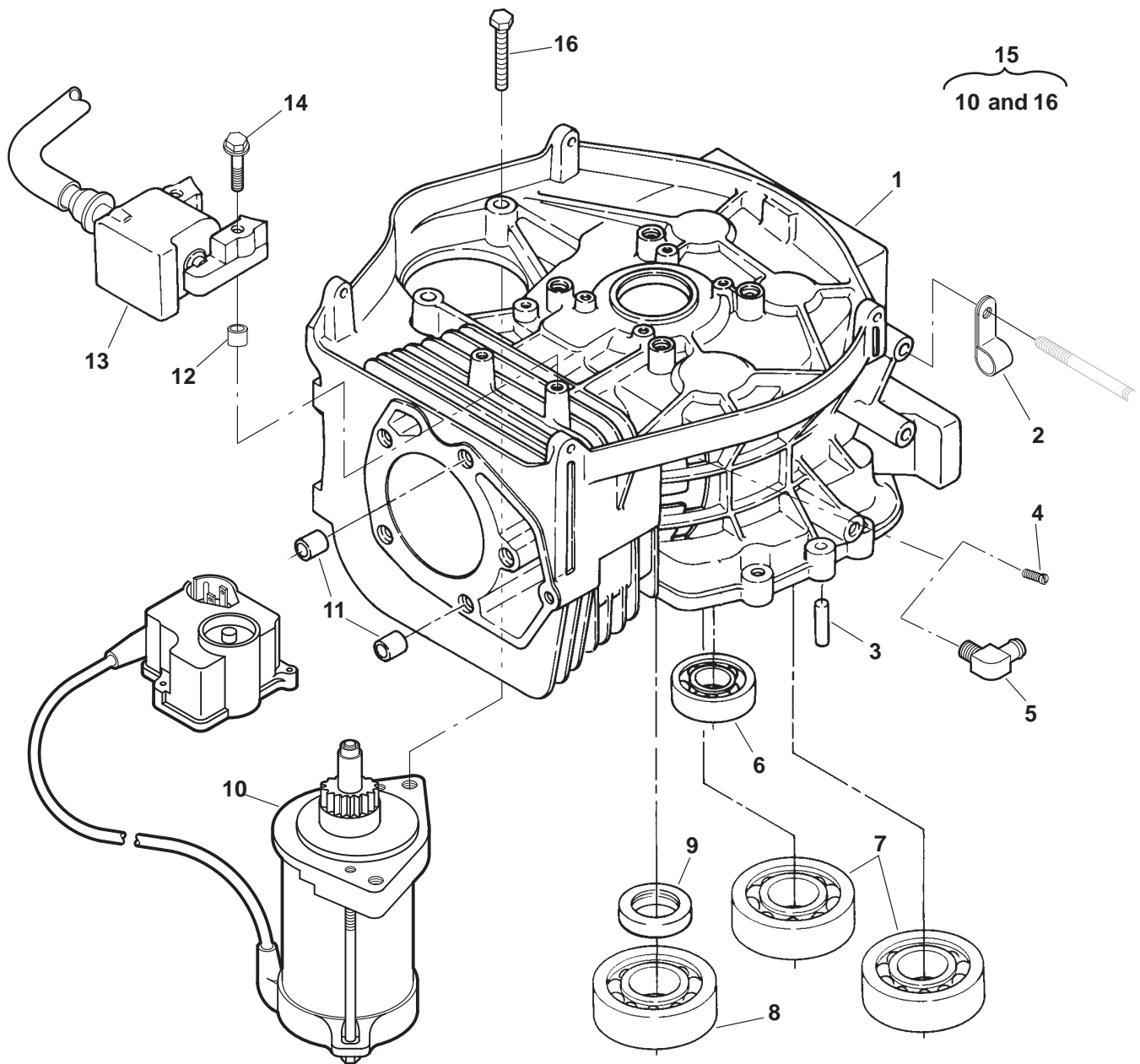
## Index

Hose, Vacuum, **19, 22, 24**  
Housing, Air Cylinder, **37**  
Housing, Blower (Spec 11217, 11326), **28**  
Housing, Blower (Spec 11294, 11315), **31**  
Housing, Blower (Spec 11330), **29**  
Housing, Blower (Spec 11531), **33**  
  
Indicator, Oil Level (Long Tube), **35**  
Indicator, Oil Level (Short Tube), **34**  
Insulator, Carburetor, **16, 19**  
Insulator, Switch, **15**  
  
Jet, Carburetor Main, **16**  
  
Key, Blower Wheel, **9**  
Key, Camgear, **6**  
Key, Crankshaft Gear, **7**  
Kit, 110V Starter Drive, **25**  
Kit, Connecting Rod, **8**  
Kit, Electric Starter Conversion, **42**  
Kit, Electric Starter Mount, **5**  
Kit, Extension Cord, **42**  
Kit, Governor Sleeve, **13**  
Kit, Muffler, **39**  
Kit, Muffler (Code 21CG), **40**  
Kit, Recoil Starter, **27**  
Kit, Stationary Guard, **29**  
Knob, Air Cleaner Cover, **17, 19**  
Knob, Inner Air Cleaner Cover, **19**  
Knob, Inner Cover, **17**  
  
Labels, **42**  
Lever, Governor, **15**  
Link, Choke, **15**  
Link, Throttle, **15**  
Lock, Valve, **11**  
  
Magnet, **5**  
Mount, Regulator, **22**  
Muffler (Code 21CG), **40**  
Muffler (Code 21BP, 21BS, 21BU, 21BV), **39**  
Muffler (Code 21BP), **39**  
Muffler, Catalytic (Code 21CJ), **41**  
  
O'Ring, **42**  
O'Ring, Oil Fill Adapter (Long Tube), **35**  
O'Ring, Oil Indicator (Short Tube), **34**  
O'Ring, Oil Level Indicator (Long Tube), **35**  
O'Ring, Oil Pump, **13**  
  
Paint, Black Spray, **42**  
Pan, Air Cleaner, **19**  
Pin, Camgear Spring, **6**  
Pin, Camshaft Decompression, **6**  
Pin, Choke Lever Swivel Cotter, **15**  
Pin, Cylinder Block Alignment, **5**  
Pin, Cylinder Block Hollow Dowel, **5**  
Pin, Hollow Dowel, **11**  
Pin, Piston, **8**  
  
Pin, Rocker Arm Dowel, **11**  
Pin, Stator Alignment, **9**  
Piston, **8**  
Plate Assy, Throttle, **15**  
Plug, Countersunk Block, **5**  
Plug, Crankshaft Expansion, **7**  
Plug, Oil Base, **13**  
Plug, Spark, **11**  
Pulley, Crank, **27**  
Pump, Fuel, **24**  
Pump, Oil, **13**  
  
Rectifier, Bridge, **16**  
Rectifier, Engine Harness (Spec 11531), **20**  
Reel, Recoil, **27**  
Regulator, LP (Spec 11217, 11294, 11315, 11330), **21**  
Regulator, LP (Spec 11326, 11474), **22**  
Regulator, Vapor (Spec 11531), **23**  
Regulator, Voltage (All Specs Except 11531), **16**  
Regulator, Voltage (Spec 11531), **33**  
Retainer, Muffler Bolt (Code 21BP), **39**  
Retainer, Muffler Bolt (Code 21CG), **40**  
Retainer, Recoil, **27**  
Retainer, Valve Spring, **11**  
Ring, Governor Retaining, **15**  
Ring, Oil Base Retaining, **13**  
Ring, Piston Retaining, **8**  
Ring, Valve Guide, **11**  
Rod, Push, **11**  
  
Sales Option Code Table, **44**  
Screen, Oil Pickup Shaft, **13**  
Seal, Air Cleaner Spacer, **19**  
Seal, Crankshaft Lower Oil, **13**  
Seal, Crankshaft Upper Oil, **5**  
Seal, Governor Shaft, **42**  
Seal, Governor Shaft Lever, **6**  
Seal, Oil, **42**  
Seal, Oil Fill (Short Tube), **34, 35**  
Seal, Oil Fill Tube, **42**  
Seal, Valve Stem, **11, 42**  
Sensor, Oxygen, **38**  
Set, Complete Engine Gasket, **42**  
Set, Engine Gasket, **42**  
Set, Piston Ring, **8**  
Shaft Assy, Balancer, **7**  
Shaft, Flyweight, **6**  
Shaft, Governor, **13**  
Shaft, Governor Lever, **6**  
Shaft, Rocker Arm, **11**  
Shim, Balancer Shaft, **7**  
Shim, Camshaft, **6**  
Shim, Crankshaft, **7**  
Sleeve, Governor, **13**  
Solenoid, Duty, **23**  
Solenoid, Fuel Cutoff, **23**  
Spacer, Governor Plate, **15**

## Index

Spacer, Ignition Coil, **5**  
Spring, Camshaft Decompression, **6**  
Spring, Choke Linkage, **15**  
Spring, Governor, **15**  
Spring, Recoil Brake, **27**  
Spring, Recoil Dog, **27**  
Spring, Recoil Spiral, **27**  
Spring, Relief Valve, **13**  
Spring, Valve, **11**  
Starter Assy, Recoil, **27**  
Starter, Electric, **5**  
Stator, **9**  
Support, Carburetor, **19**  
Support, Precleaner (Spec 11217, 11326), **28**  
Support, Precleaner (Spec 11294, 11315), **31**  
Support, Precleaner (Spec 11531), **33**  
Switch, Oil Pressure, **13**  
Swivel, Choke Lever, **15**  
System Assy, LPG Fuel, **23**  
  
Table, Sales Option Code, **44**  
Tappet, **11**  
Tee, Fuel Pump Union, **24**  
Terminal, Switch Contact, **15**  
Tube, Air Inlet (Spec 11531), **33**  
Tube, Breather, **19**  
Tube, Oil Fill (Long), **35**  
Tube, Oil Fill (Short), **34**  
  
Unit, LPG Control (Spec 11531), **33**  
  
Valve, Exhaust, **11**  
Valve, Fuel Shutoff, **22**  
Valve, Intake, **11**  
Valve, Oil Drain, **13**  
Valve, Vacuum Sustain, **24**  
  
Wheel, Blower, **9**  
Wrapper, Air Cleaner Element, **17, 19**  
Wrench, Oil Filter, **42**

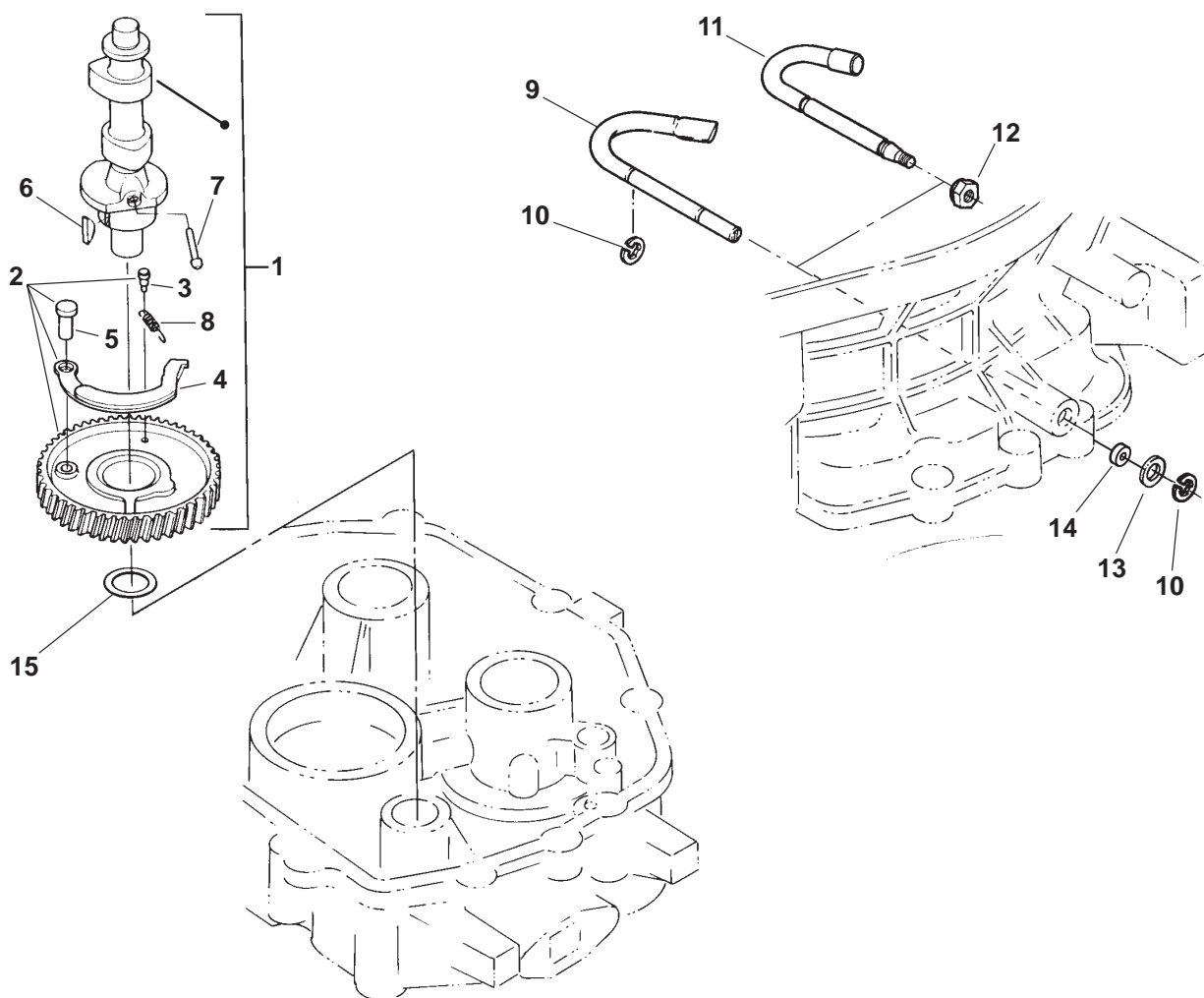
## Cylinder Block



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	—	1	Block, Cylinder (See Short Block Catalog #932-0109)
2	332-1356	1	Clamp, Loop
3	775-0074	2	Pin, Alignment
4	505-1426	2	Plug, Countersunk Head
5	502-0313	1	Elbow, 90° Hose (1/8NPT) (1/4 ID Hose)
6	510-0162	1	Bearing, Camshaft
7	510-0163	2	Bearing, Balancer Shaft Upper
8	510-0160	1	Bearing, Crankshaft Upper
9	509-0258	1	Seal, Crankshaft Upper Oil
10			Starter (See Separate Page for Components)
	191-2127	1	Code 33BC (110V)
	191-1906	1	Code 33AT (12V)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	110-3892	2	Pin, Hollow Dowel
12	166-0837	2	Spacer (Spec 11531)
13			Magneto
	166-0799	1	All Specs Except 11531
	166-0832	1	Spec 11531
14			Bolt, Self-Tapping Hex Head
	815-0754	2	All Specs Except 11531 (M6 x 1 x 27mm)
	823-0003-07	2	Spec 11531 (M6 x 1 x 30mm)
15	541-0489	1	Kit, 110V Electric Starter Mount (Includes Starter and Mounting Screws)
16	718-1814	2	Screw, Hex Head Cap (M8 x 1.25 x 50mm)

## Camshaft

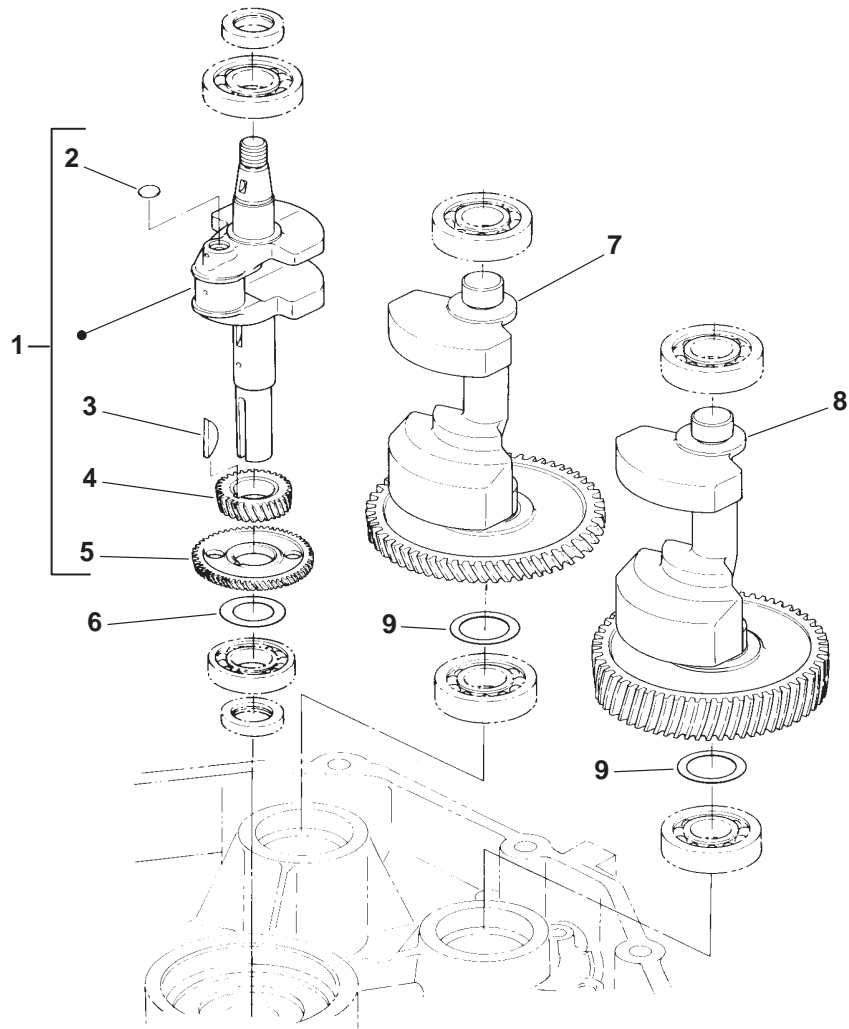


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	105-0693-02	1	Camshaft Assy (Includes Parts Marked *)	12	870-0506	1	Nut, Nylon Lock Nut (M6 x 1) (Spec 11531 Only)
2	105-0657	1	*Camgear Assy (Includes Pin, Flyweight, Flyweight Shaft)	13	740-1006	1	Washer, Flat (M8)
3	150-2305	1	*Pin	14	509-0255	1	Seal, Governor Shaft Lever
4	105-0712	1	*Flyweight	15			Shim, Camshaft (Use as Required)
5	150-2302	1	*Shaft, Flyweight		105-0649-01	1	0.5mm Thick
6	515-0294	1	*Key, Camgear		105-0649-02	1	0.6mm Thick
7	150-2304	1	*Pin, Decompression		105-0649-03	1	0.8mm Thick
8	150-2303	1	*Spring, Decompression		105-0649-04	1	0.9mm Thick
9	150-2287	1	Shaft, Governor Lever (Includes Internal Clip) (All Specs Except 11531)		105-0649-05	1	1.0mm Thick
10	518-0576	2	Clip, Retainer		105-0649-06	1	1.2mm Thick
11	150-2529	1	Shaft, Governor Lever (Spec 11531 Only)				

\* - Parts Included in Camshaft Assy.



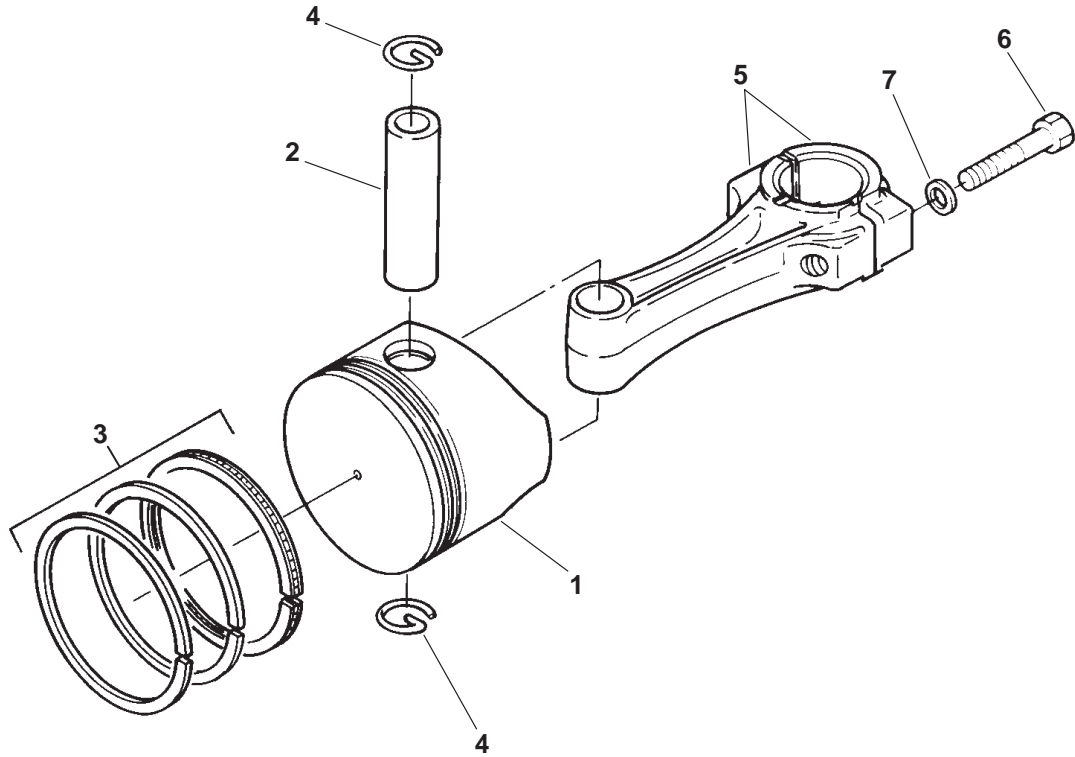
## Crankshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104-1717	1	Crankshaft Assy (Includes Parts Marked *)	8	104-1827-01	1	Shaft Assy, Balancer (Includes Gear)
2	104-1718	1	*Plug, Expansion	9			Shim, Balancer Shaft (Use as Required)
3	515-0293	1	*Key, Crankshaft Gear		104-1726-01	2	0.5mm Thick
4	104-1719	1	*Gear, Crankshaft		104-1726-02	2	0.6mm Thick
5	104-1720	1	*Gear, Balancer		104-1726-03	2	0.7mm Thick
6			Shim, Crankshaft (Use as Required)		104-1726-04	2	0.8mm Thick
	104-1721-01	1	0.2mm Thick		104-1896-05	2	0.9mm Thick
	104-1721-02	1	0.3mm Thick		104-1726-06	2	1.0mm Thick
	104-1721-03	1	0.4mm Thick		104-1726-07	2	1.2mm Thick
	104-1721-05	1	0.5mm Thick				
	104-1721-07	1	0.7mm Thick				
	104-1721-08	1	0.8mm Thick				
7	104-1827-02	1	Shaft Assy, Balancer (Includes Gear)				

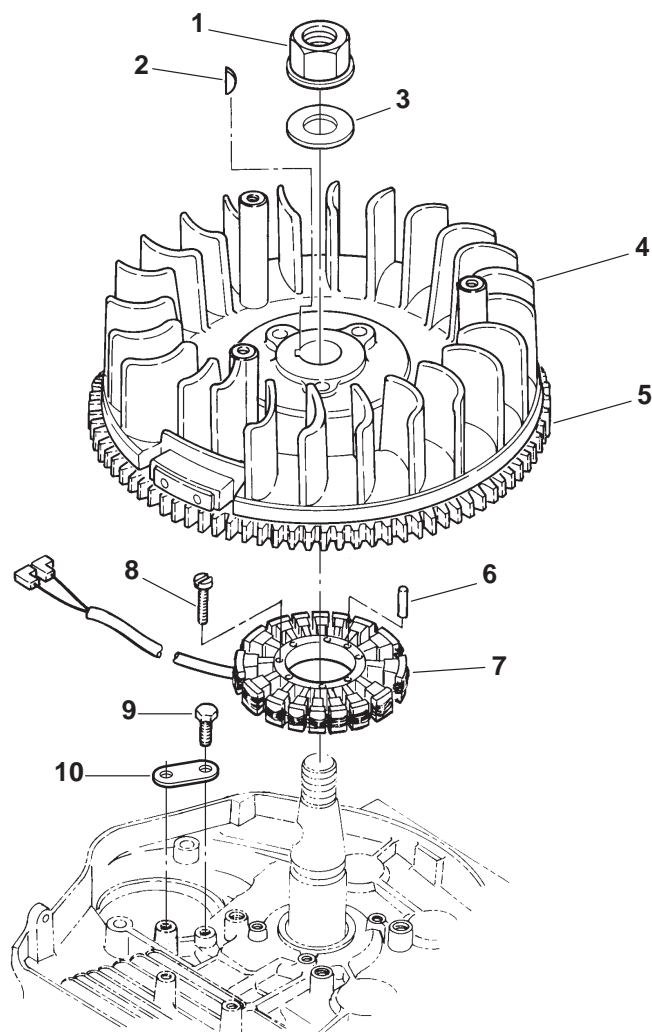
\* – Parts included in Crankshaft Assy.

## Piston



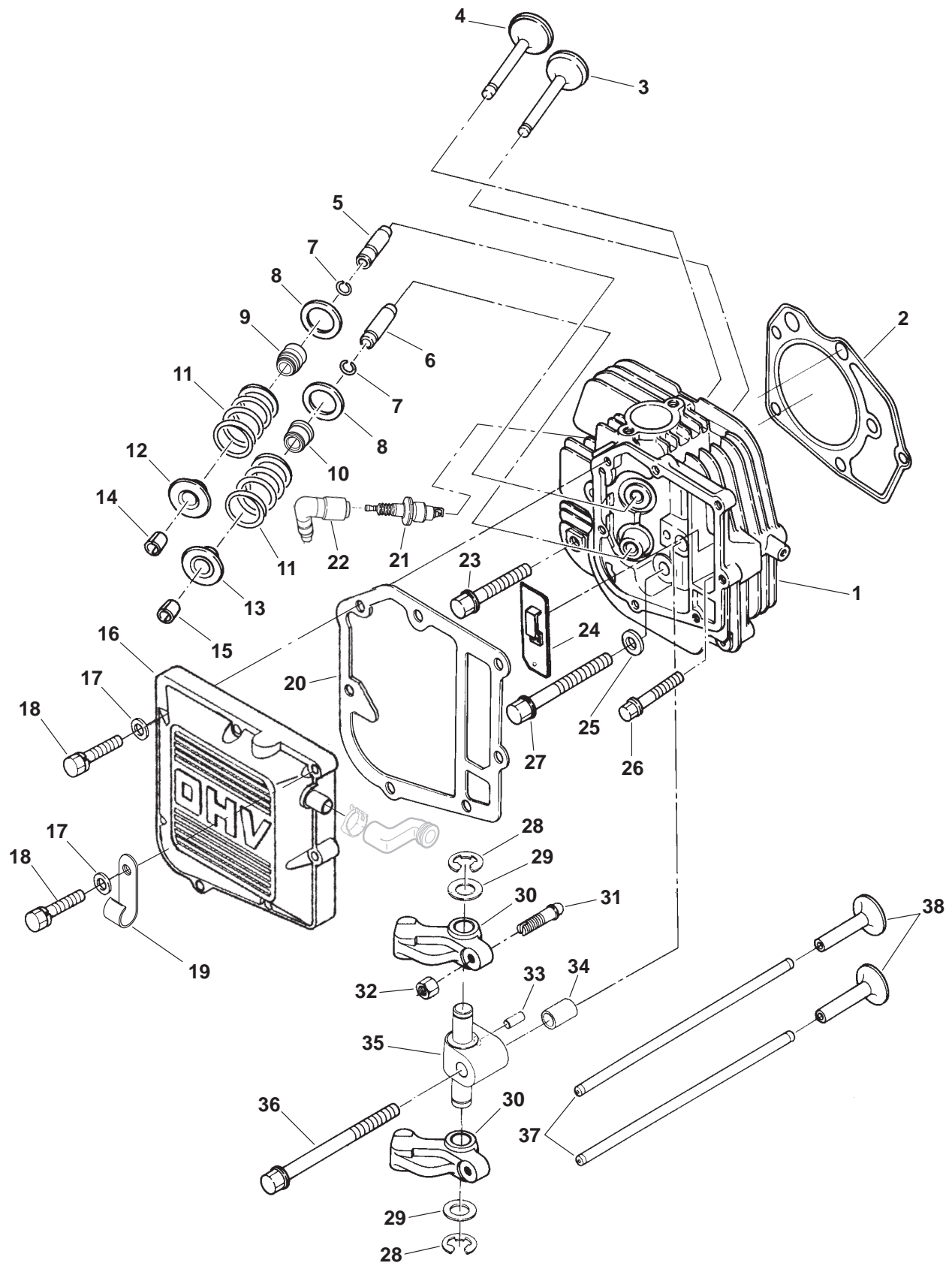
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Piston Kit, (Includes Pin, Ring Set and Retaining Rings)	4	112-0245	2	Ring, Retaining
	112-0276	1	Standard	5			Kit, Connecting Rod (Includes Bolts)
	112-0276-01	1	.25mm Oversize		114-0357	1	Standard
	112-0276-02	1	.50mm Oversize		114-0357-01	1	.25mm Undersize
2	112-0244	1	Pin, Piston		185-2627	1	.50mm Undersize
3			Ring Set, Piston	6	114-0355	2	Bolt, Connecting Rod
	113-0330	1	Standard	7	114-0356	2	Washer, Connecting Rod
	113-0330-01	1	.25mm Oversize				
	113-0330-02	1	.50mm Oversize				

## Blower Wheel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-2060	1	Nut, Flange (M18)	7			Stator
2	515-0295	1	Key		191-1456-03	1	Spec 11531
3	526-0405	1	Washer, Flat (18mm)		191-2130	1	Spec 11217
4			Wheel Assy, Blower (Includes Magnets and Ring Gear)		191-1456-02	1	Spec 11294, 11315, 11326, 11330, 11474, 11536, 11537
	134-5067-01	1	Spec 11531	8	815-0638-01	2	Screw, Machine (M6 x 1 x 20mm)
	134-4899	1	Spec 11217, 11294, 11315, 11330, 11474, 11537	9	815-0753	1	Bolt, Hex Head Self-Tapping (M6 x 14mm)
	134-4899-01	1	Spec 11326, 11536	10	191-1967	1	Clamp, Cord
5	134-4773	1	Gear, Ring				
6	775-0061	2	Pin, Alignment				

# Cylinder Head



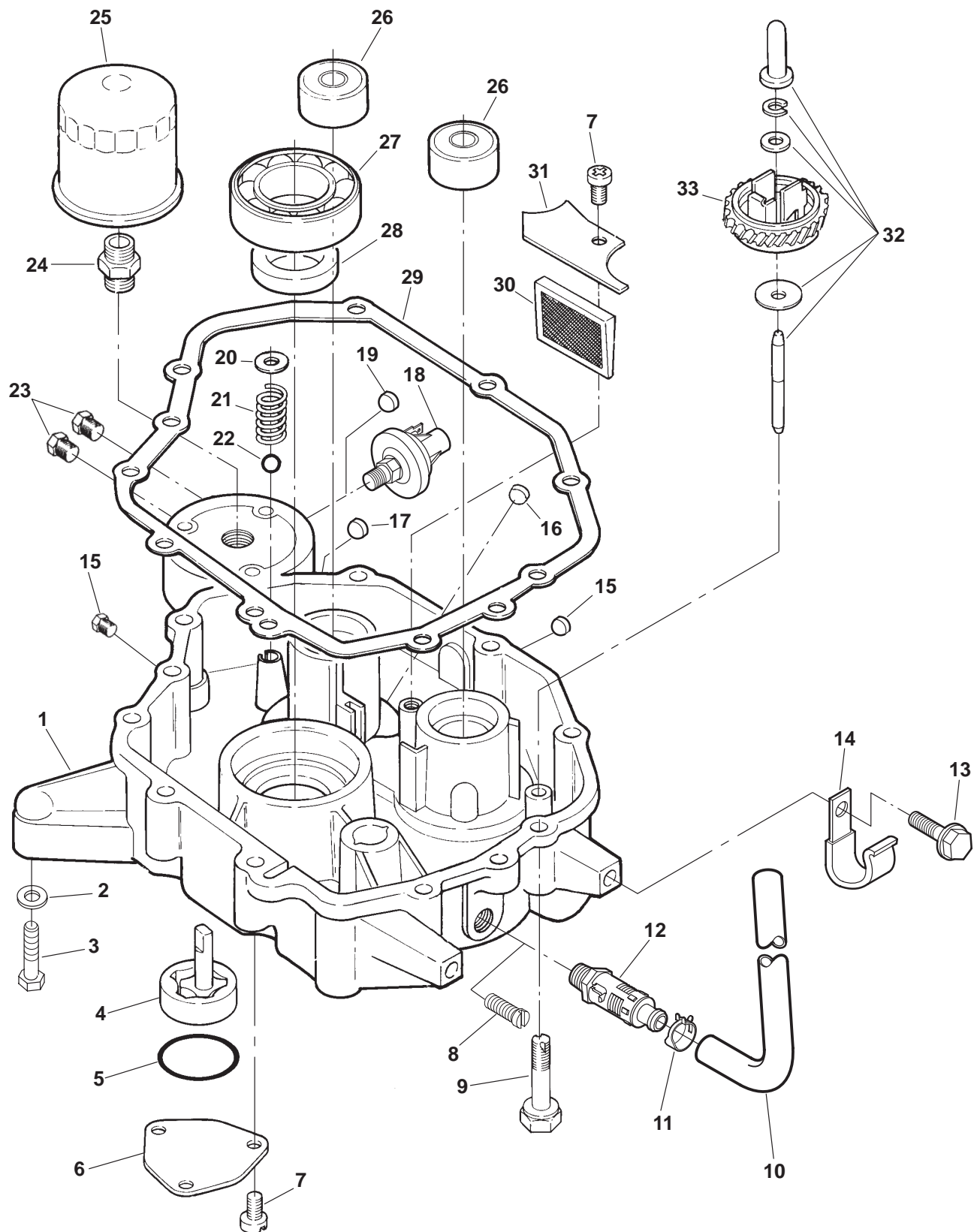
## Cylinder Head

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	110-3912	1	Head Assy, Cylinder	21	167-0263-02	1	Plug, Spark
			With Valves (Includes Parts	22	167-1621	1	Cap, Spark Plug
			Marked #)	23	110-3593	2	Bolt, Cylinder Head
	110-3911	1	# Without Valves (Includes				(M10 x 66mm)
			Parts Marked + and Seats)	24	123-1836	1	Breather
2	110-3591	1	Gasket, Cylinder Head	25	740-1008	1	Washer, Flat (M10)
3	110-3579	1	# Valve, Exhaust	26	110-3596	1	Bolt, Cylinder Head
4	110-3578	1	# Valve, Intake				(M8 x 50mm)
5	110-3693	1	+ Guide, Intake Valve	27	110-3594	2	Bolt, Cylinder Head
6	110-3694	1	+ Guide, Exhaust Valve				(M10 x 86mm)
7	110-3580	2	+ Ring, Valve Guide	28	518-0566	2	Clip, Retainer
8	110-3587	2	# Washer, Valve Spring	29	115-0473	2	Washer, Rocker Arm
9	509-0289	1	# Seal, Intake Valve Stem	30	115-0426	2	Arm Assy, Rocker (Includes
10	509-0330	1	# Seal, Exhaust Valve Stem				Nuts and Screws)
			(Begin Spec D)	31	115-0427	2	Screw, Lash Adjusting
11			# Spring, Valve				(M7 x 0.75)
	110-3581	2	Spec B, C	32	115-0496	2	Nut, Lash Adjusting (M7 x 0.75)
	110-3822	2	Begin Spec D	33	516-2004	1	Pin, Dowel
12	110-3825	1	# Retainer, Intake Valve Spring	34	110-3892	1	Pin, Hollow Dowel
13	110-3826	1	# Retainer, Exhaust Valve Spring	35	115-0429	1	Shaft, Rocker Arm
14	110-3827	2	# Lock, Intake Valve	36	110-3595	1	Bolt, Cylinder Head
15	110-2752	2	# Lock, Exhaust Valve				(M10 x 125mm)
16	110-3863-03	1	Cover, Valve	37	115-0424	2	Rod, Push
17	740-1004	7	Washer, Flat (M6) (Use Only	38	115-0423	2	Tappet
			with Socket Head Cap Screw)				
18			Screw (M6 x 25mm)				
	725-1029	7	Socket Head Cap				
	800-3026	7	Flange Head Hex				
19	518-0533	1	Clip, Hose				
20			Gasket, Cover				
	110-3598	1	All Specs Except 11531				
	110-3830	1	Spec 11531				

# – Parts Included in Cylinder Head Assy with Valves.

+ – Parts Included in Cylinder Head Assy without Valves.

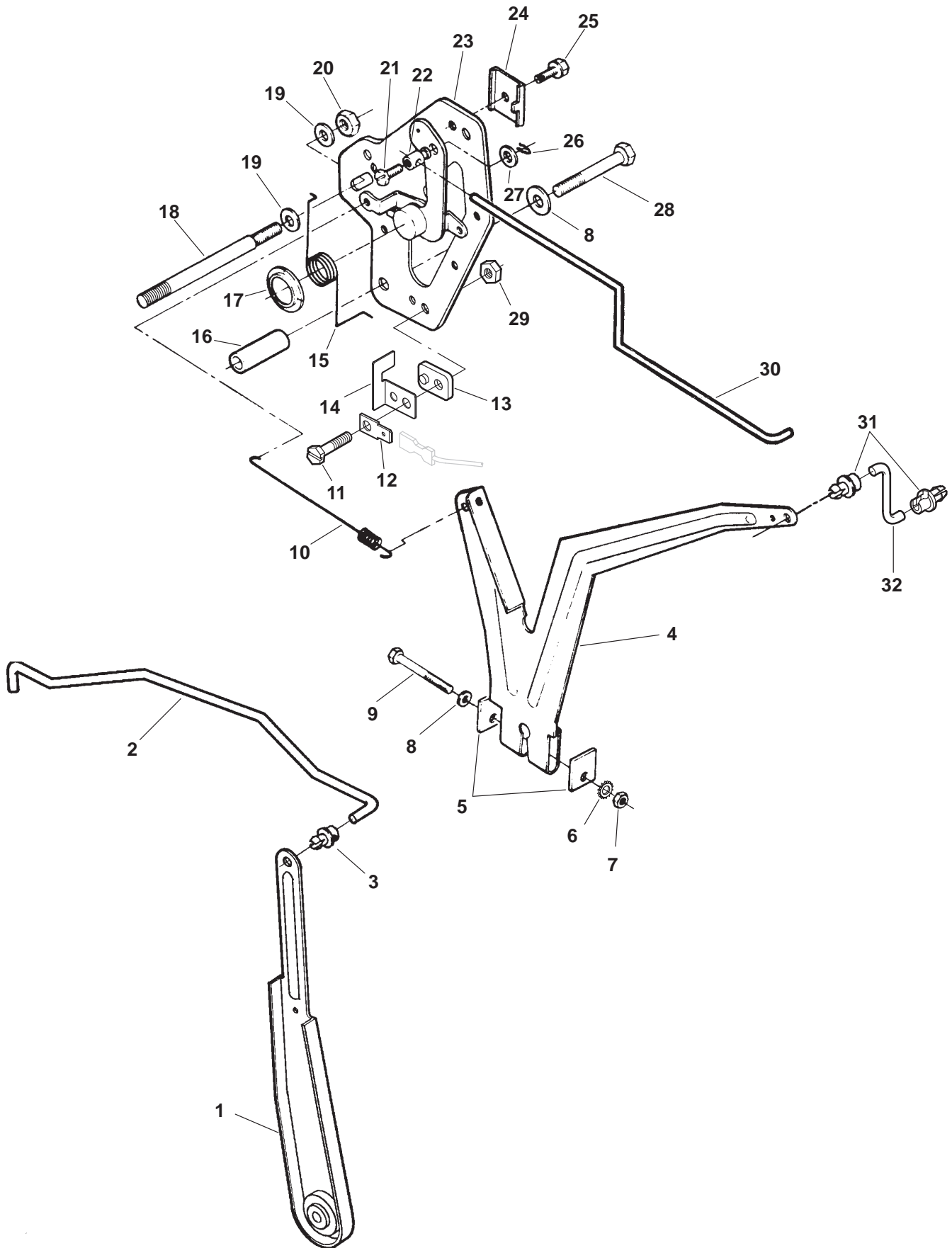
## Oil Base



## Oil Base

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Base, Oil	18			Switch, Oil Pressure
	102-1465-01	1	Spec 11330, 11531		309-0640	1	Code 35AU
			All Other Specs		309-0606	1	Code 35AH
	102-1465-02	1	Spec B		309-0646-06	1	Code 35AV
	102-1465-03	1	Begin Spec C		309-0646-09	1	Code 35BW
2	526-0122	4	Washer, Mounting Flat (M8)	19	505-1515-02	1	Plug, Pipe (1/8")
3	815-0759	4	Screw, Hex Head Cap (M8 x 1.25)	20	518-0560	1	Ring, Retaining
4	120-1217	1	Pump, Oil	21	120-0140	1	Spring, Relief Valve
5	509-0253	1	O'Ring	22	510-0043	1	Ball, Steel (5/16" OD)
6	120-1299-02	1	Cover, Oil Pump	23	502-1286-02	2	Plug, Hex Head Pipe(1/4")
7	823-0003-05	4	Screw, Pan Head Torx	24	122-0770	1	Adapter, Oil Filter
8	505-0110	1	Plug, Square	25	122-0737	1	Filter, Oil
9	815-0829-02	9	Bolt, Self-Tapping (M8)	26	510-0163	2	Bearing, Balancer Shaft Lower
10	503-1274	1	Hose, Oil Drain (7/16 ID x 5/8 OD x 5-7/16" Lg)	27	510-0182	1	Bearing, Crankshaft Lower
11	503-0769	1	Clamp, Hose	28	509-0258	1	Seal, Crankshaft Lower Oil
12	504-0186	1	Valve, Oil Drain	29			Gasket, Oil Base
13	815-0709-01	1	Screw, Hex Washer Head Thread Forming (M8 x 1.25 x 18mm)		110-3588	1	All Specs Except 11531
14	518-0515	1	Clip, Hose		110-3829	1	Spec 11531
15	505-1516-02	2	Plug, Pipe (3/8")	30	120-1236	1	Screen, Oil Pickup Shaft
16	517-0067	1	Plug, Core Hole	31	120-1237	1	Cover, Screen
17	502-1285-03	1	Plug, Hex Socket Pipe (1/16")	32	541-0508	1	Kit, Governor Sleeve (Includes Shaft, Sleeve, Washers and Retainer)
				33	150-2272	1	Gear, Governor (Includes Shafts and Weights)

# Governor

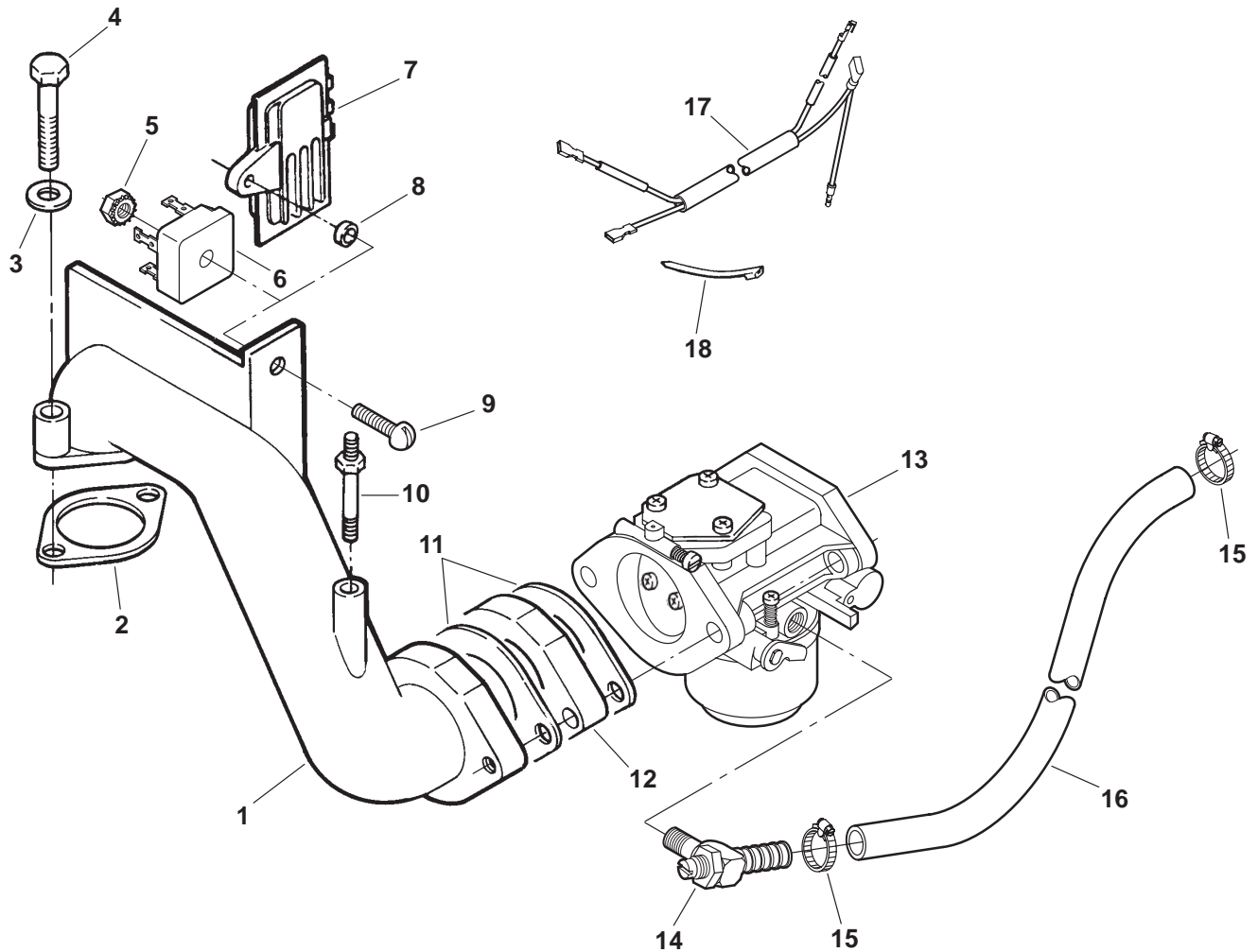




## Governor

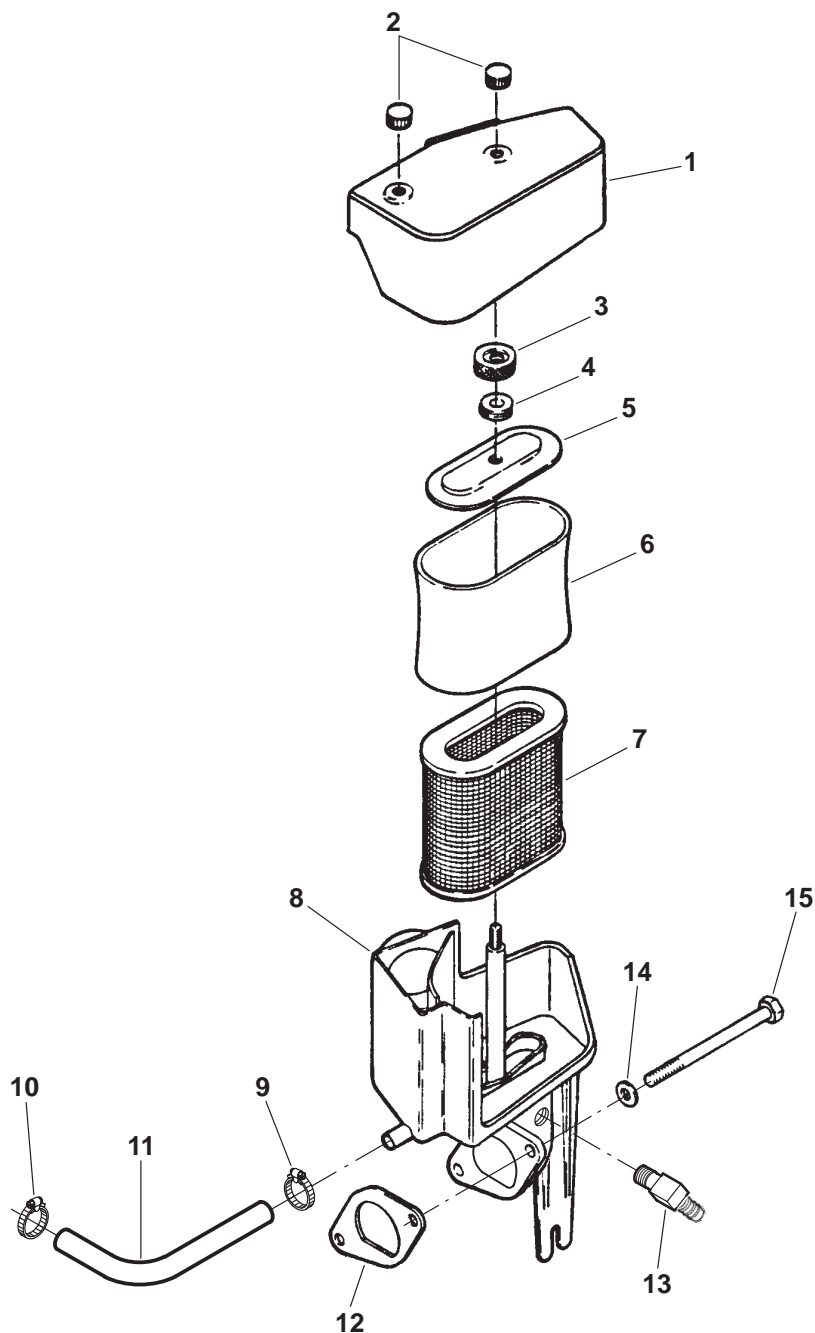
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2515	1	Lever, Governor (Spec 11531)	19	740-1004	2	Washer, Flat (M6)
2	152-0330	1	Link, Throttle (Spec 11531)	20	750-1004	1	Nut, Hex (M6 x 1)
3	152-0343	1	Clip, Link (Spec 11531)	21	800-4072	1	Screw, Hex Head Slotted Machine (M4 x .7 x 8mm) (All Specs Except 11531)
4	150-2338	1	Lever, Governor (All Specs Except 11531)	22	153-0632	1	Swivel, Choke Lever (All Specs Except 11531)
5	150-2351	2	Washer, Governor Lever (All Specs Except 11531)	23	152-0350	1	Plate Assy, Throttle (Includes Control and Choke Levers, Pivot Pin and Flat Washers)
6	853-0016	1	Washer, ET Lock (5/16") (All Specs Except 11531)	24	153-0633-01	1	Clamp, Cable
7	750-1006	1	Nut, Hex (M8 x 1.25") (All Specs Except 11531)	25	815-0359	1	Screw, Hex Washer Head Thread Forming (#10-32 x 7/8")
8	740-1006	2	Washer, Flat (M8)	26	516-0059	1	Pin, Cotter (Hairpin) (All Specs Except 11531)
9	800-2062	1	Screw, Hex Head Cap (M8 x 1.25 x 145mm) (All Specs Except 11531)	27	526-0140	1	Washer, Flat (#10) (All Specs Except 11531)
10			Spring, Governor	28	815-0776	1	Screw, Hex Washer Head Thread Forming (M8 x 40mm)
	150-2290	1	All Specs Except 11531	29	870-0528	1	Nut, Nylon Hex (#10-32) (Code 13DC, 13DH)
	150-2548	1	Spec 11531	30			Link, Choke
11	815-0833	1	Screw, Nylon Hex Slotted (#10-32) (Code 13DC, 13DH)		153-0630	1	All Specs Except 11531
12	332-0527	1	Terminal (Code 13DC, 13DH)		153-0650	1	Spec 11531
13	313-0039	1	Insulator, Switch (Code 13DC, 13DH)	31	152-0343	2	Clip, Link (All Specs Except 11531)
14	313-0038	1	Contact, Switch (Code 13DC, 13DH)	32	152-0319	1	Link, Throttle (All Specs Except 11531)
15	153-0621	1	Spring, Choke Linkage				
16	370-4057	1	Spacer				
17	518-0594	1	Ring, Retaining				
18	520-2212	1	Stud				

## Carburetor (All Specs Except 11531)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2792	1	Elbow, Intake	10	520-2033	1	Stud
2	146-0484	1	Gasket	11	146-0486	2	Gasket
3	526-0115	2	Washer, Flat (M8)	12	146-0485	1	Insulator
4	800-2063	2	Screw, Hex Head Cap (M8 x 1.25 x 50mm)	13	146-0618	1	Carburetor (Includes Main Jet)
5	870-0131	1	Nut, ET Hex (10-32) (Code 31BP, 31BS)	14	145-0706	1	Jet, 90° Main
6	305-0718	1	Rectifier, Bridge (Code 31BP, 31BS)	15	503-0183	2	Clamp, Regulator Hose (1/2")
7	191-2208	1	Regulator, Voltage (Code 31AZ, 31BB)	16	503-0707	1	Hose, LP (1/2" ID x 12" Lg)
8	150-1269	1	Bushing (Code 31AZ, 31BB)	17			Harness, Engine Wiring
9			Screw, Round Head Machine		338-3044	1	Code 35CU
	813-0103	1	Code 31BP, 31BS (#10-32 x 3/4")		338-2527	1	Code 35BM
	821-0011	1	Code 31AZ, 31BB (1/4-20 x 7/8")	18	332-0942	1	Tie, Cable

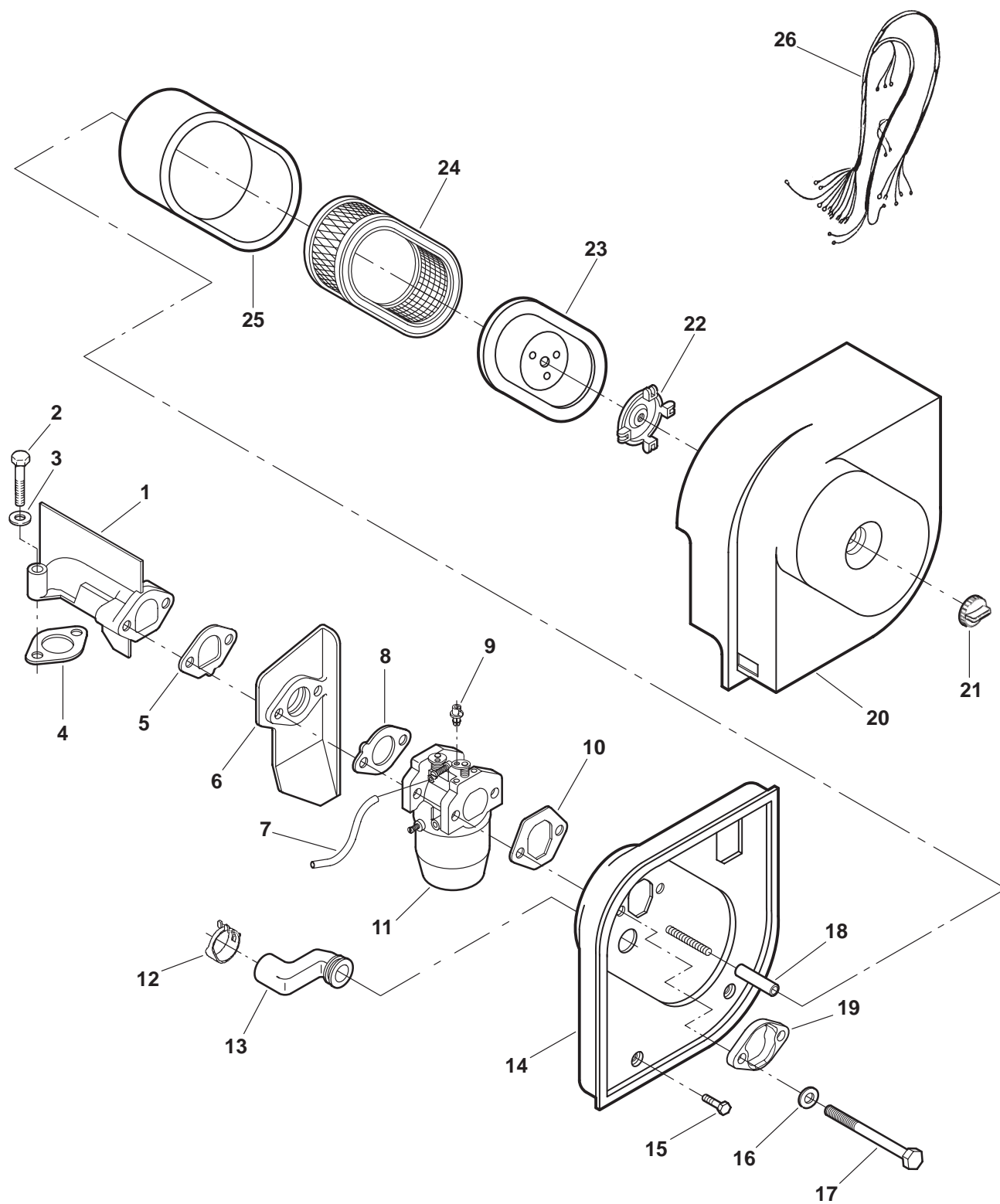
# **Air Cleaner** (All Specs Except 11531)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2584-50	1	Cover, Air Cleaner
2	140-2383	2	Knob, Air Cleaner Cover
3	140-2533	1	Knob, Inner Cover
4	508-0012	1	Grommet (3/8" Hole)
5	140-2534	1	Cover, Element
6	140-2335-01	1	Wrapper, Element
7	140-3111	1	Element
8	140-2527-01	1	Adapter
9	503-0170	1	Clamp, Hose (5/8")
10	503-0769	1	Clamp, Hose (21/32")
11	503-1396	1	Hose, Breather (7/16"ID x 4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	140-2329	1	Gasket
13	502-0313	1	Elbow, Hose 90° (1/8 NPT) (1/4 ID Hose)
14	740-1006	2	Washer, Flat (M8)
15			Screw, Hex Head Cap Without Carburetor Guard M8 x 100mm
	718-1808	2	With Carburetor Guard M8 x 100mm
	718-1808	1	M8 x 100mm
	718-1816	1	M8 x 1.25 x 120mm

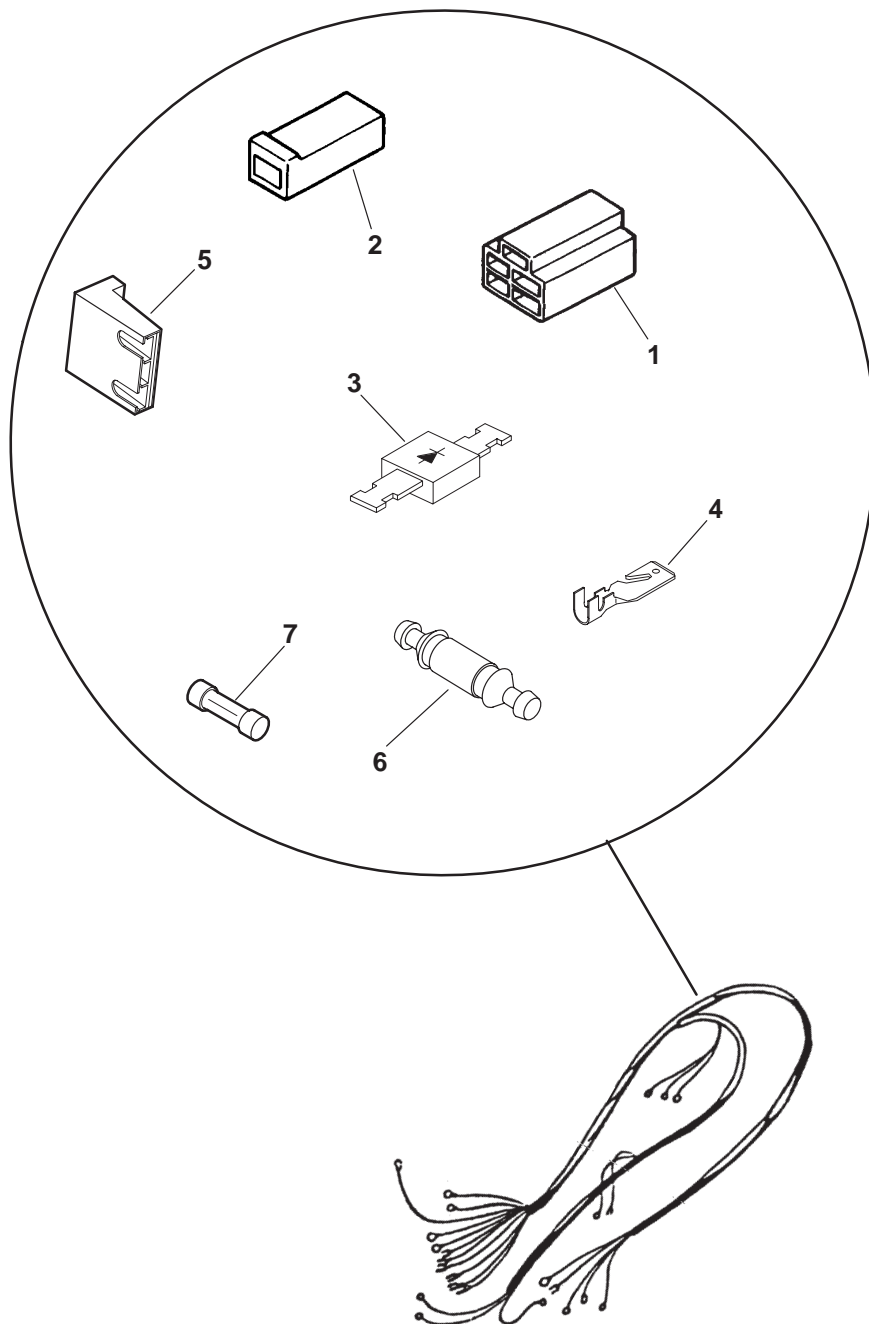
**Carburetor  
(Spec 11531)**



## Carburetor (Spec 11531)

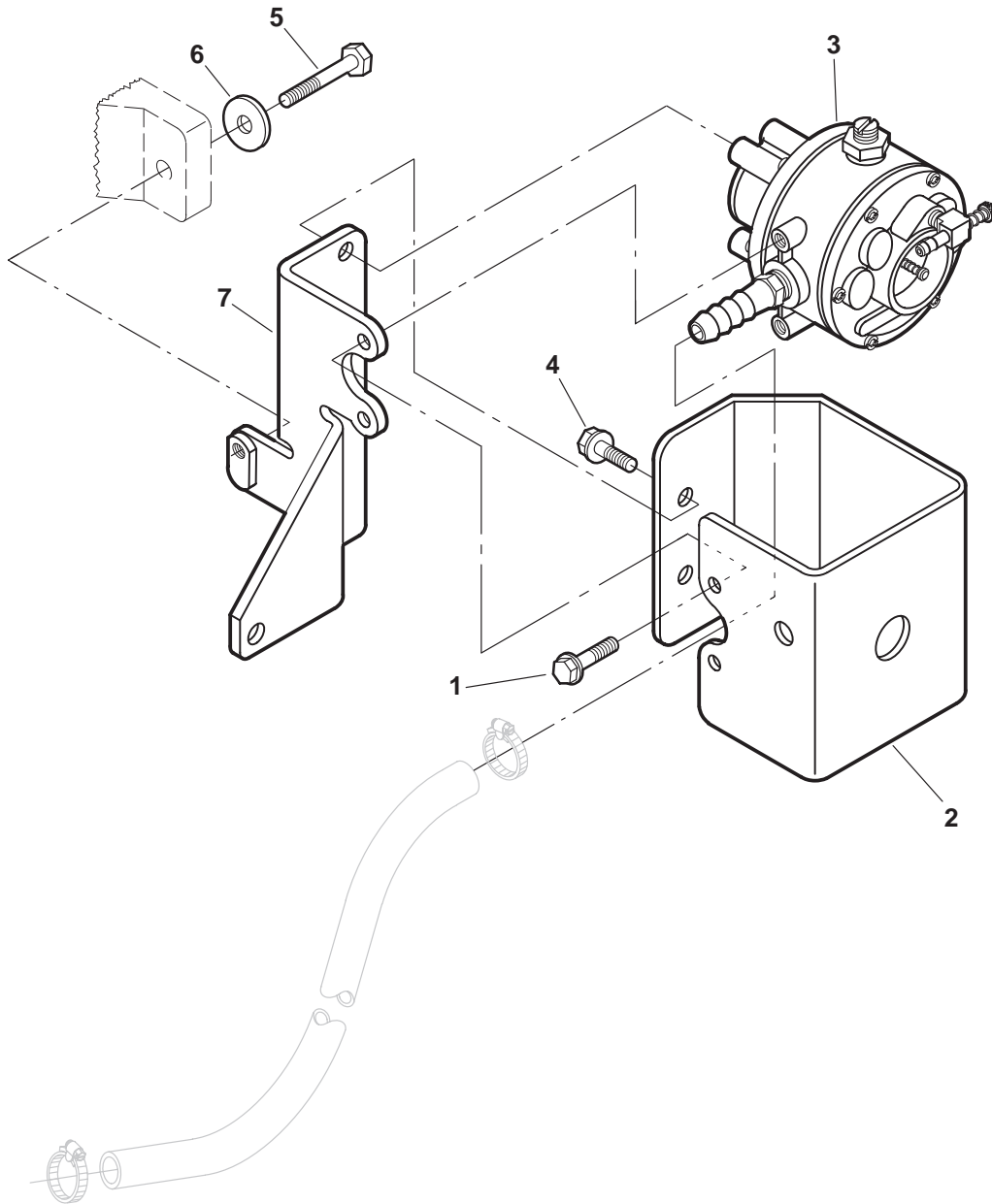
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-2908	1	Elbow, Intake	15	815-0474	2	Screw (1/4-14 x 1/2")
2	800-2063	2	Screw, Hex Head Cap (M8 x 1.25 x 50mm)	16	740-1004	2	Washer, Flat (M6)
3	526-0115	2	Washer, Flat (M8)	17	815-0816-01	2	Screw, Hex Head Thread Forming
4	146-0584	1	Gasket, Intake	18	140-2536-04	1	Seal, Air Cleaner Spacer
5	146-0571-02	1	Gasket, Insulator	19	145-0694	1	Support, Carburetor (Begin Spec E)
6	146-0567	1	Insulator, Carburetor	20	140-2676	1	Cover, Air Cleaner
7	503-2081	1	Hose, Vacuum	21	140-2761	1	Knob, Air Cleaner Cover
8	146-0571-01	1	Gasket, Carburetor	22	140-2675	1	Knob, Inner Cover
9	152-0343	1	Clip, Link	23	140-2674-01	1	Cover, Element
10	102-1462	1	Gasket, Carburetor	24	140-3010	1	Element, Air Cleaner
11	146-0675	1	Carburetor	25	140-2748-01	1	Wrapper, Element
12	503-1445-04	1	Clamp, Hose	26	338-3651	1	Harness, Engine (See Separate Page for Components)
13	123-2043	1	Tube, Breather				
14	140-2941-02	1	Pan, Air Cleaner				

## Engine Harness (Spec 11531)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	338-3651		Harness, Engine	4	332-3225	1	Receptacle, Lock
1	323-0987	1	Housing, Receptacle (5 Rcpt)	5	323-1585	1	Body, Connector
2	332-0819	1	Housing, Receptacle Terminal	6	321-0362	1	Fuseholder (Includes Fuse)
3	357-0030	1	Rectifier, Silicon	7	321-0162	1	Fuse (30A)

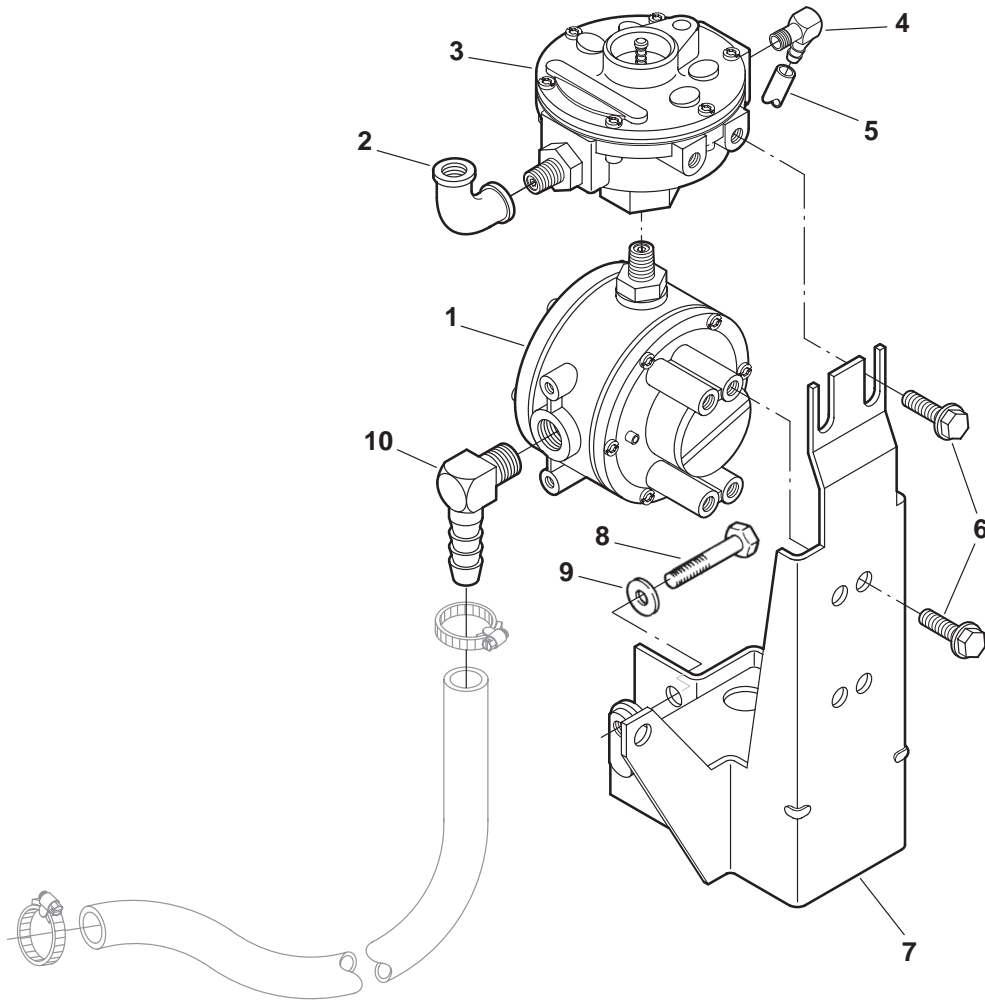
**Regulator**  
**(Spec 11217, 11294, 11315, 11330)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0005	2	Screw, Brass Hex Head Machine (#10-32 x 1/2")
2	148-0995-02	1	Guard, Regulator
3	148-0992	1	Regulator
4	821-0010	2	Screw, Lock Head Flange (#1/4-20 x 1/2")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	718-1055	1	Screw (M10 x 1.5 x 30mm)
6	740-1008	1	Washer (M10)
7	148-0993-02	1	Bracket, Regulator Mounting

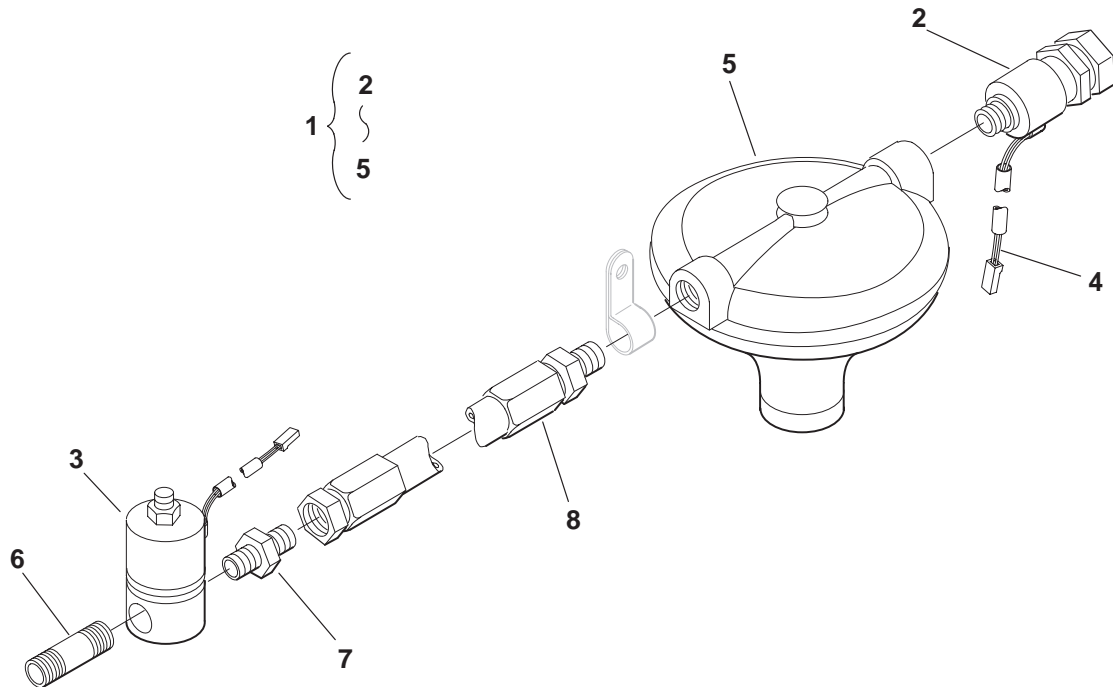
## Regulator (Spec 11326, 11474)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0992-01	1	Regulator	6	821-0010	6	Bolt, Hex Head (1/4-20 x 1/2")
2	502-0056	1	Elbow, 90° Pipe (1/4 NPT)	7	148-1008-02	1	Mount, Regulator
3	148-1061-02	1	Valve, Fuel Shutoff (Includes Valve and Elbows)	8	800-0051	1	Screw, Hex Head Cap (3/8-16 x 1.25")
4	502-0313	1	Elbow (1/8 NPT x 1/4 I.D. Hose)	9	526-0026	1	Washer, Flat (3/8")
5	503-1420	1	Hose	10	502-1258	1	Elbow, Regulator Hose



## Regulator (Spec 11531)

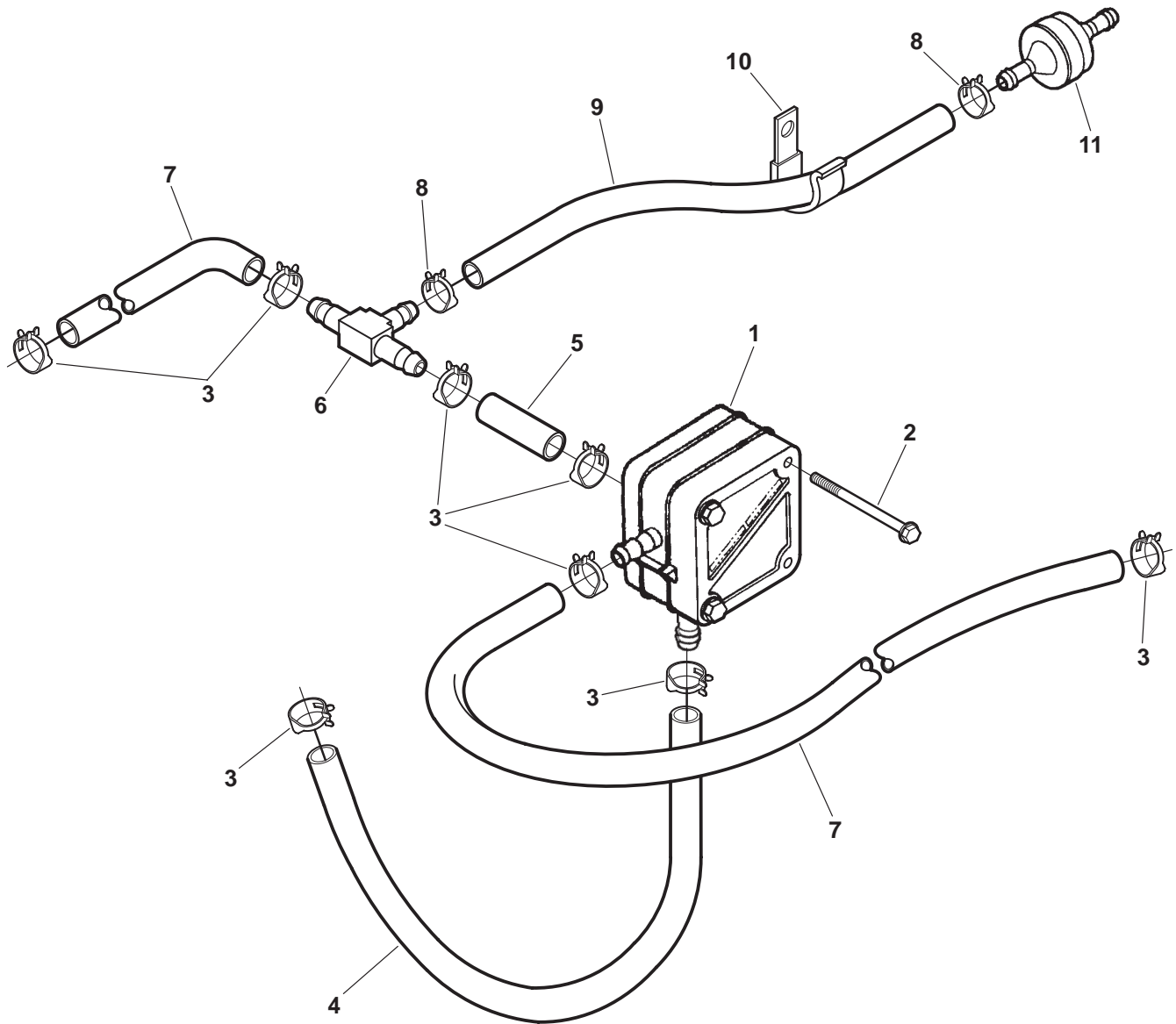


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1071	1	System Assy, Fuel (Includes Parts Marked *)
2	148-1074	1	*Solenoid, Fuel Cutoff
3	148-1072	1	*Solenoid, Duty
4	338-3646	1	*Harness, Power Supply
5	148-1073	1	*Regulator, Vapor
6	505-0061	1	Connector, Pipe

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	502-0590	1	Adapter, Pipe
8	148-1075	1	Hose, Fuel

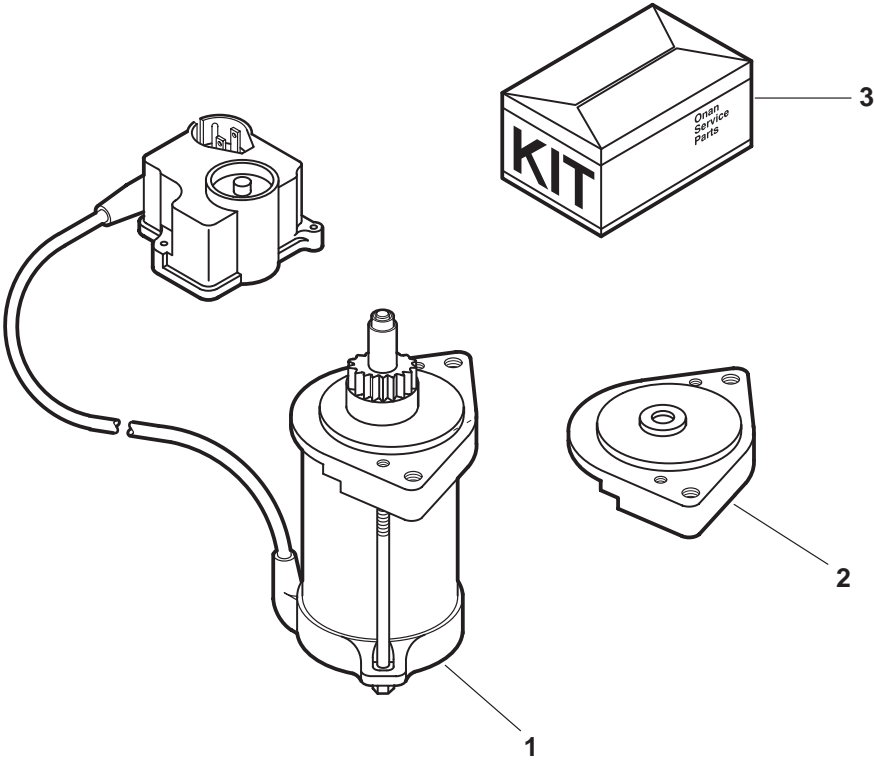
\* – Parts Included in LPG Fuel System Assy. (Also Includes Control Unit Found on Blower Housing Page and Oxygen Sensor Found on Exhaust Page.)

# **Fuel Pump (Code 13DC, 13CP)**



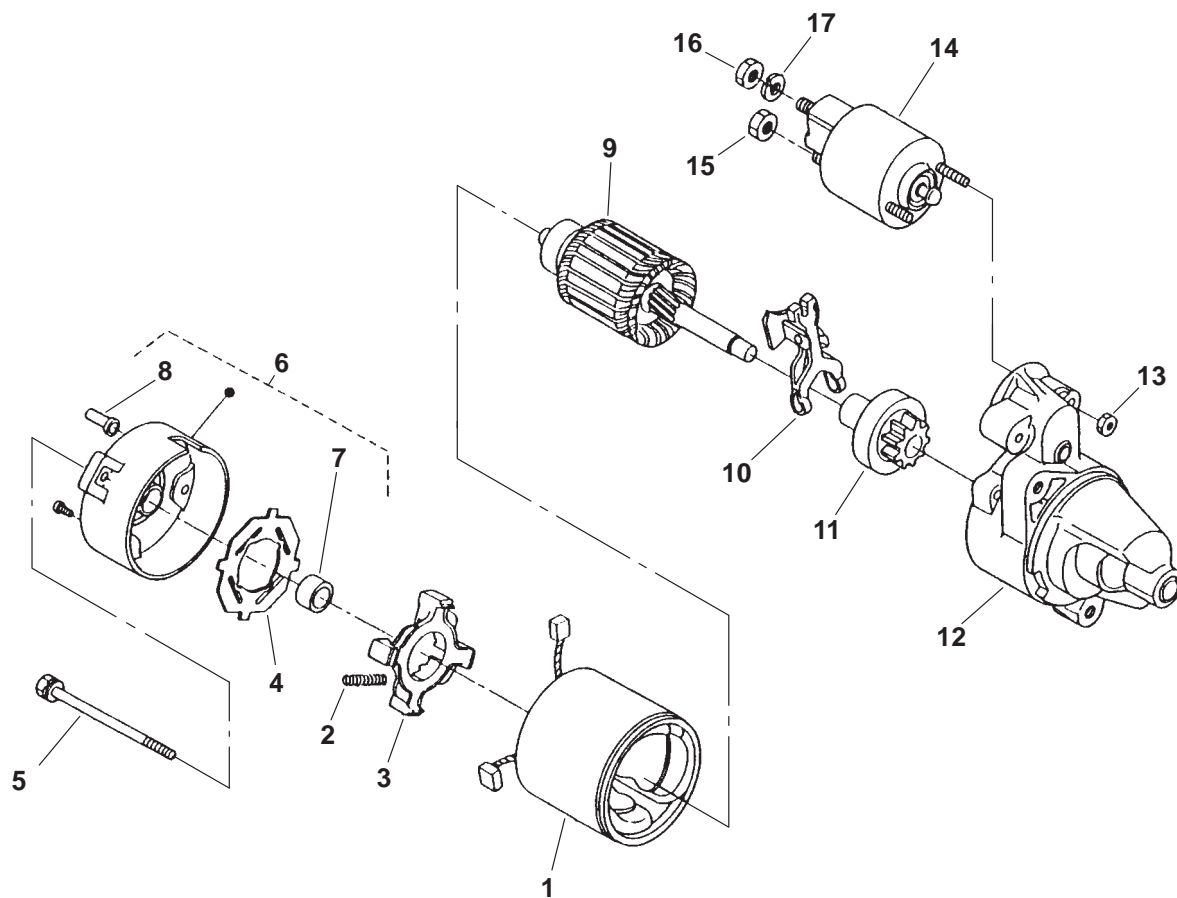
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2299	1	Pump, Fuel	6	502-1222	1	Tee, Union (Code 13DC)
2	815-0775	2	Screw, Hex Washer Head Thread Forming (M4 x 40mm)	7	503-0707	2	Hose, Fuel (1/4"ID) (3-1/4" Code 13CP) (11" Code 15CW)
3			Clamp, Hose (1/2")	8	503-0301	2	Clamp, Hose (7/16") (Code 13DC)
	503-0731	8	Code 13DC, & 15CW	9	503-1252-01	1	Hose, Vacuum Line (3/16"ID x 6"Lg) (Code 13DC)
	503-0731	6	Code 13CP, & 15CW	10	518-0515	1	Clip, Hose (Code 13DC)
	503-0731	4	Code 13CP w/o 15CW	11	146-0590	1	Valve, Vacuum Sustain (Code 13DC)
4	503-1232	1	Hose, Fuel (1/4"ID x 5-1/2"Lg)				
5			Hose, Fuel				
	503-1442	1	Code 13DC (1/4"ID x 1-9/16")				
	503-0707	1	Code 13CP (1/4"ID x 5-1/8")				

**Starter Components  
(Code 33BC)**



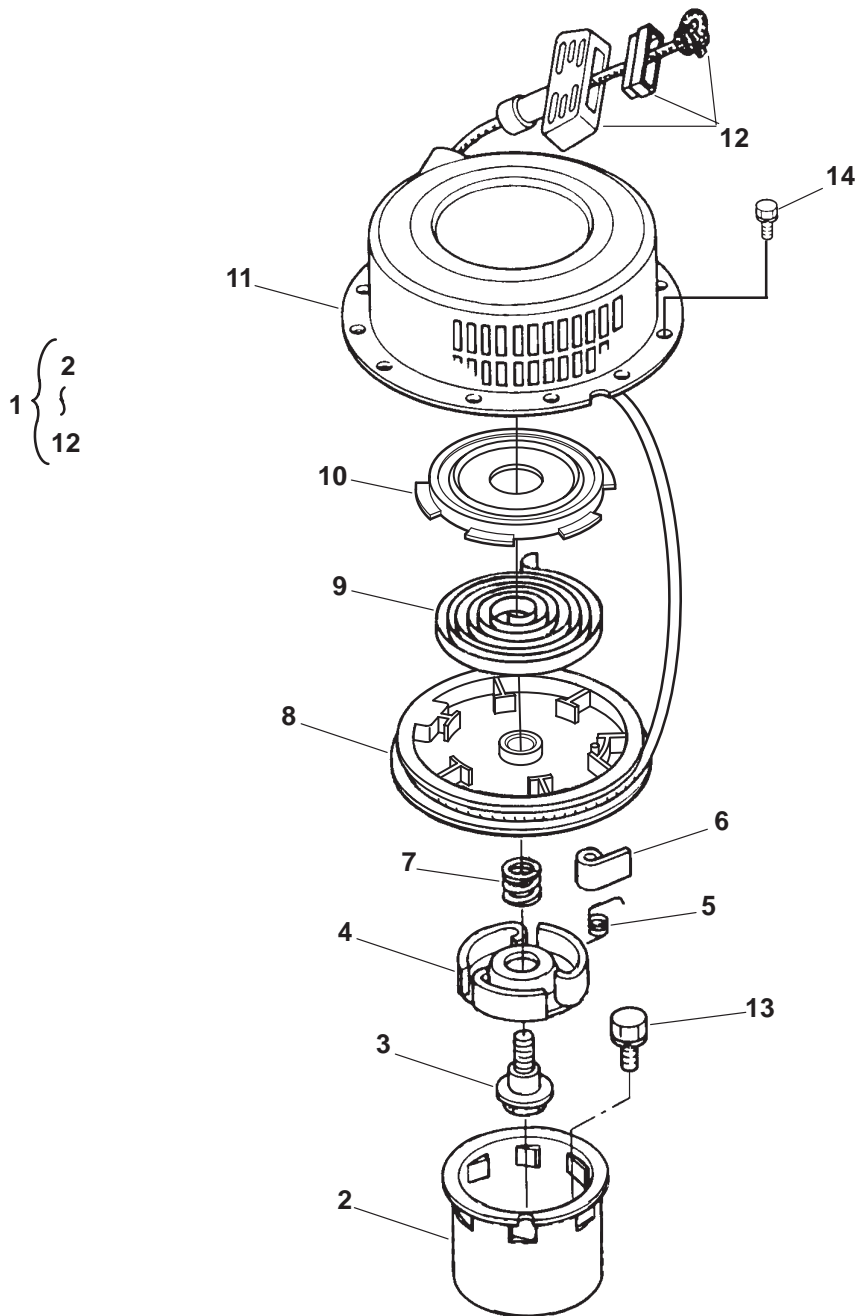
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2127	1	Starter (110V)
2	191-2153	1	Cap, Drive
3	191-2152	1	Kit, Drive (Includes Spacer, Spring, Pinion Stop, Lock Ring, Dust Cover, Molded Pinion, Plate, Washer)

## Starter Components (Code 33AT)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1906	1	Starter (12V)	9	185-2657	1	Armature, Starter
1	185-2659	1	Frame, Starter	10	185-2656	1	Lever, Starter Drive
2	185-2662	4	Spring, Brush	11	185-2713	1	Clutch, Sub
3	185-2661	1	Holder, Brush	12	-	1	Housing, Starter
4	185-2664	1	Insulator	13	185-2334	2	Nut
5	185-2660	2	Bolt, Through	14	185-2658	1	Switch, Magnetic
6	185-2707	1	Frame, Commutator (Includes Bearing and Cover)	15	870-0465	1	Nut
7	185-2663	1	Bearing, Oilless	16	185-2367	1	Nut
8	185-2965	1	Cover	17	185-6957	1	Washer, Spring
				18	185-6386	1	Ring, Snap

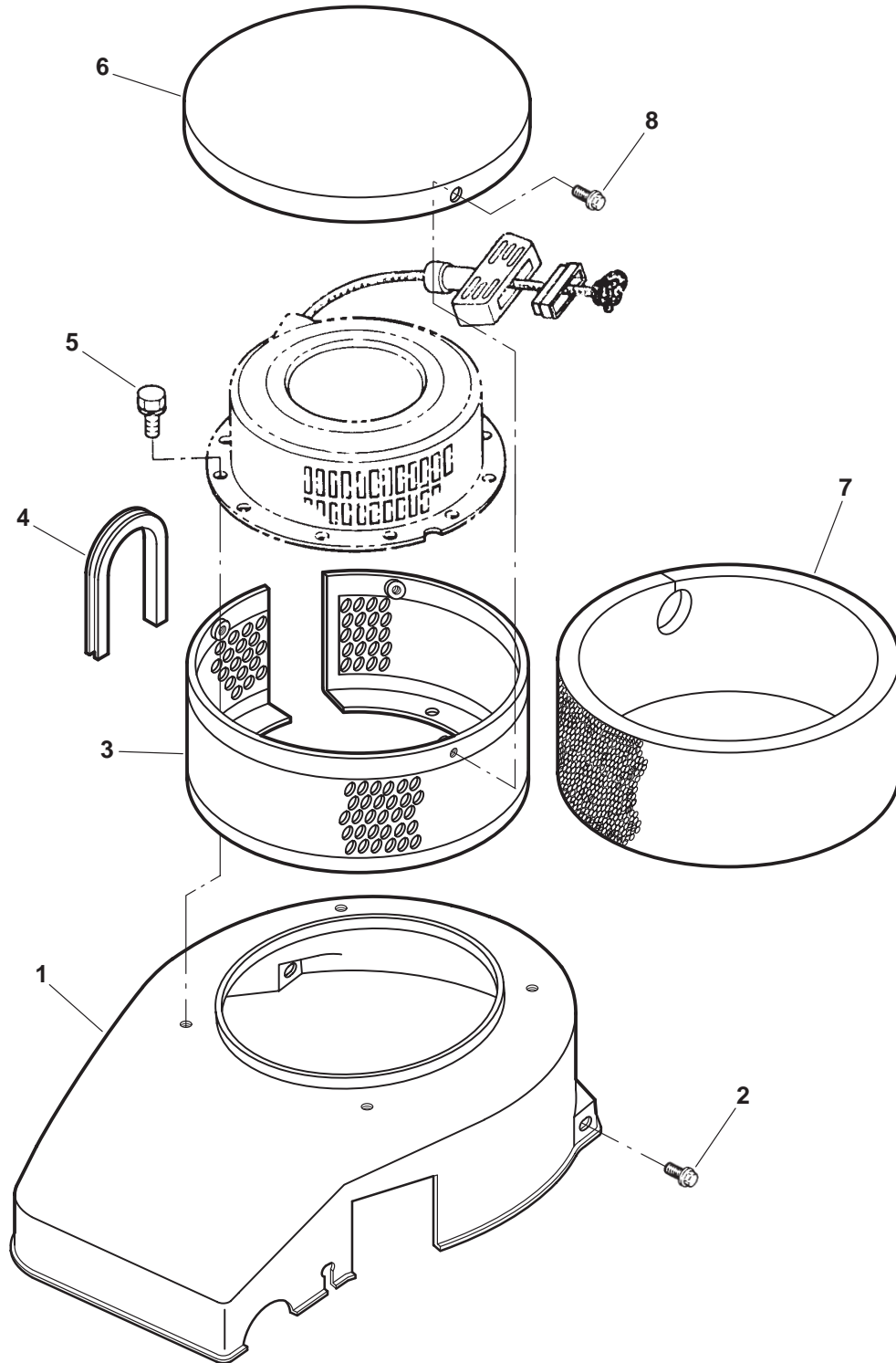
# **Recoil Starter (Code 33AY)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	541-0488	1	Kit, Recoil Starter	10	192-0442	1	*Case, Spring
1	192-0433	1	Starter Assy, Recoil (Includes Parts Marked *)	11	185-2717	1	*Case, Recoil
2	185-2722	1	*Pulley, Crank	12	185-3681	1	*Handle Assy (Includes Handle, Rope and Reinforcement)
3	185-5289	1	*Screw, Center	13	821-2045	3	Screw, Hex Head Self-Locking Flange (M8 x 16mm)
4	185-2767	1	*Retainer	14	815-0773	4	Bolt, Flanged (M6 x 1 x 8mm)
5	185-2942	3	*Spring, Dog				
6	185-2889	3	*Dog				
7	185-2768	1	*Spring, Brake				
8	185-2718	1	*Reel				
9	185-2719	1	*Spring, Spiral				

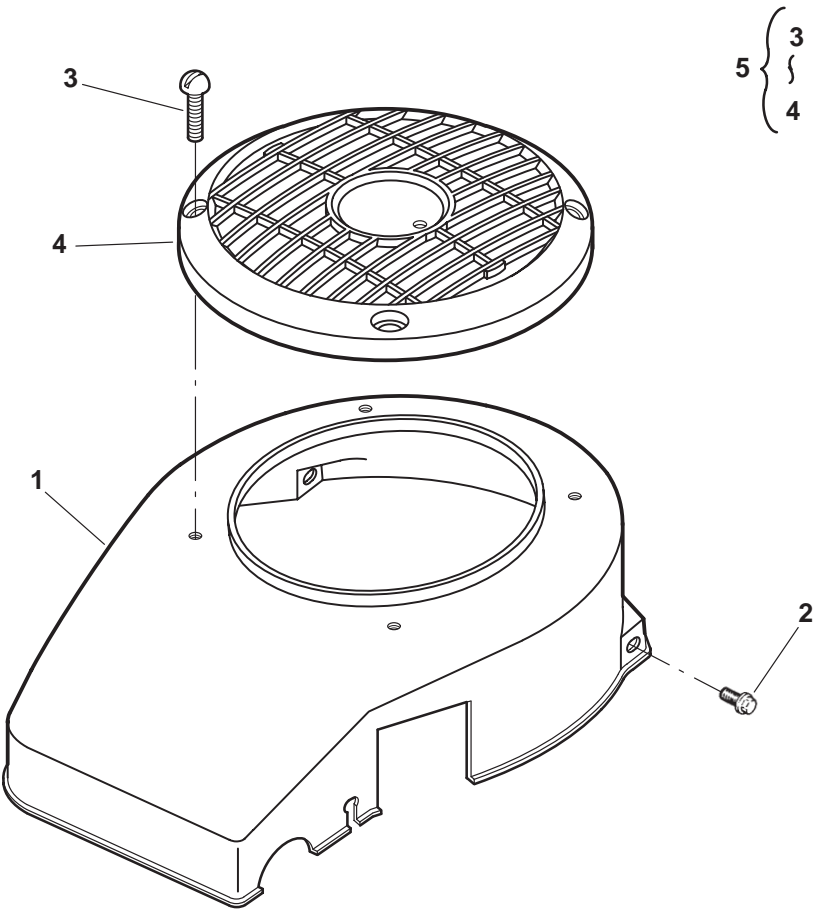
\* – Parts Included in Starter Assy.

**Blower Housing  
(Spec 11217, 11326, 11474, 11536)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4739-50	1	Housing, Blower	5	815-0773	4	Bolt, Flanged (M6 x 1 x 8mm)
2	815-0756	4	Bolt, Flange Hex Head (M6 x 1 x 14mm)	6	140-2853-02	1	Cover, Precleaner
3	140-2824-02	1	Support, Precleaner	7	140-2825-02	1	Filter, Precleaner
4	508-1083-04	1	Edging (155mm)	8	815-0340	3	Screw, Hex Washer Head (#10-32 x 3/8")

**Blower Housing  
(Spec 11330)**

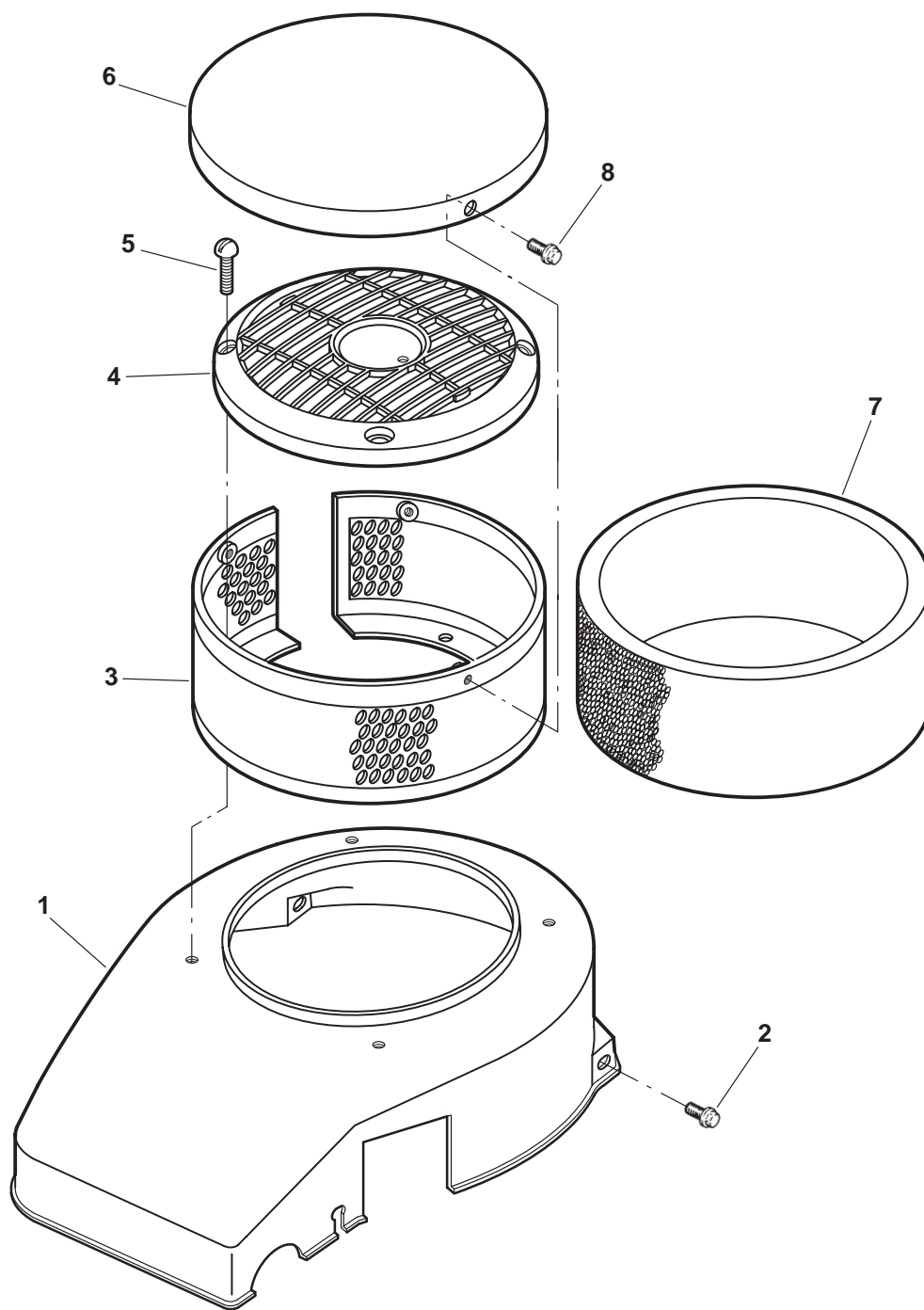


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4739-50	1	Housing, Blower
2	815-0756	4	Bolt, Flange Hex Head (M6 x 1 x 14mm)
3	823-1003	4	Screw, Button (M6 x 1 x 20mm)
4	134-4738	1	Guard, Stationary
5	541-0439	1	Kit, Stationary Guard (Includes Guard and Screws)



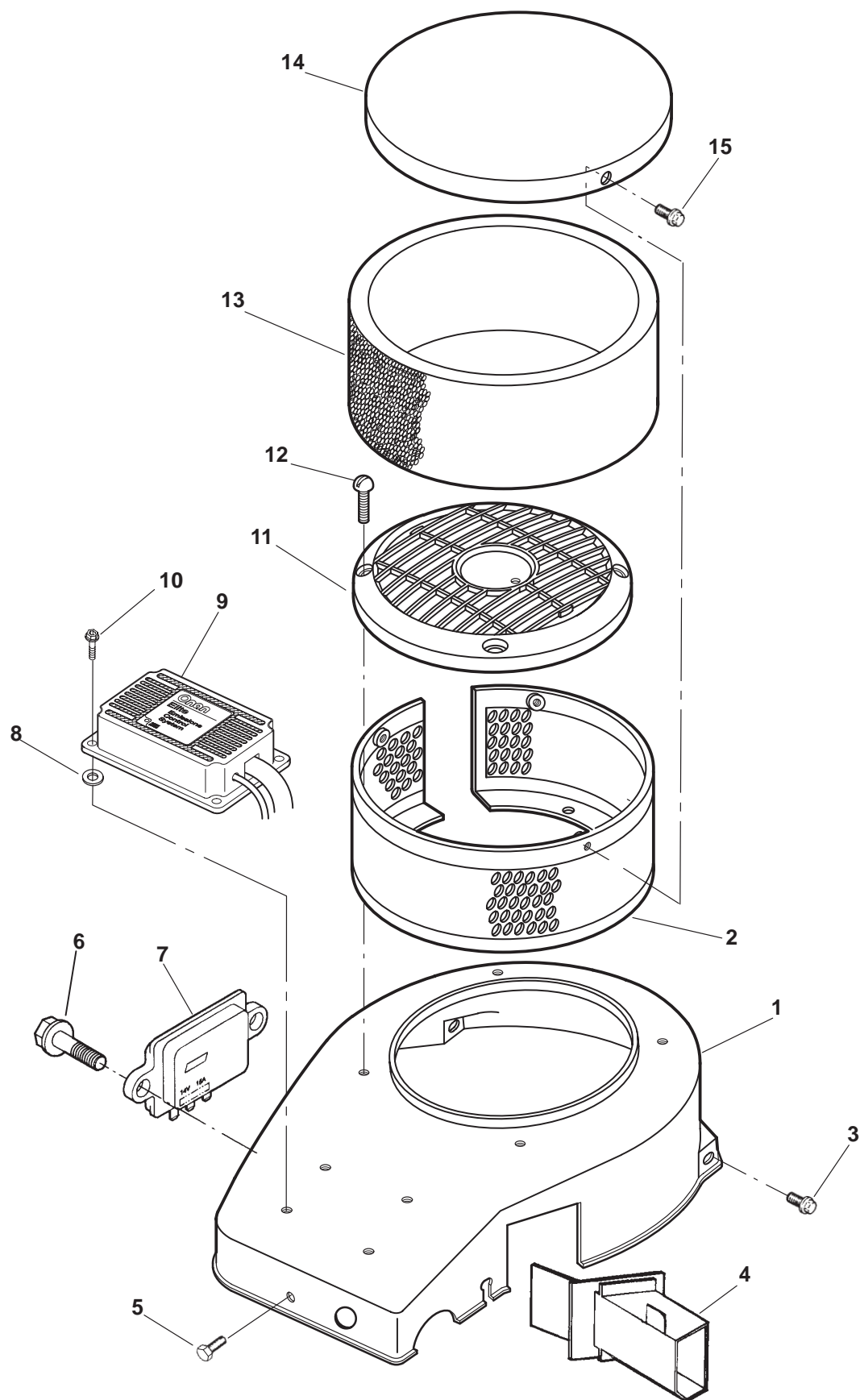


# **Blower Housing** (Spec 11294, 11315, 11537)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4739-50	1	Housing, Blower	5	823-1003	4	Screw, Button (M6 x 1 x 20mm)
2	815-0756	4	Bolt, Flange Hex Head (M6 x 1 x 14mm)	6	140-2853-02	1	Cover, Precleaner
3	140-2824-02	1	Support, Precleaner	7	140-2825-01	1	Filter, Precleaner
4	134-4738	1	Guard, Stationary	8	815-0340	3	Screw, Hex Washer Head (#10-32 x 3/8")

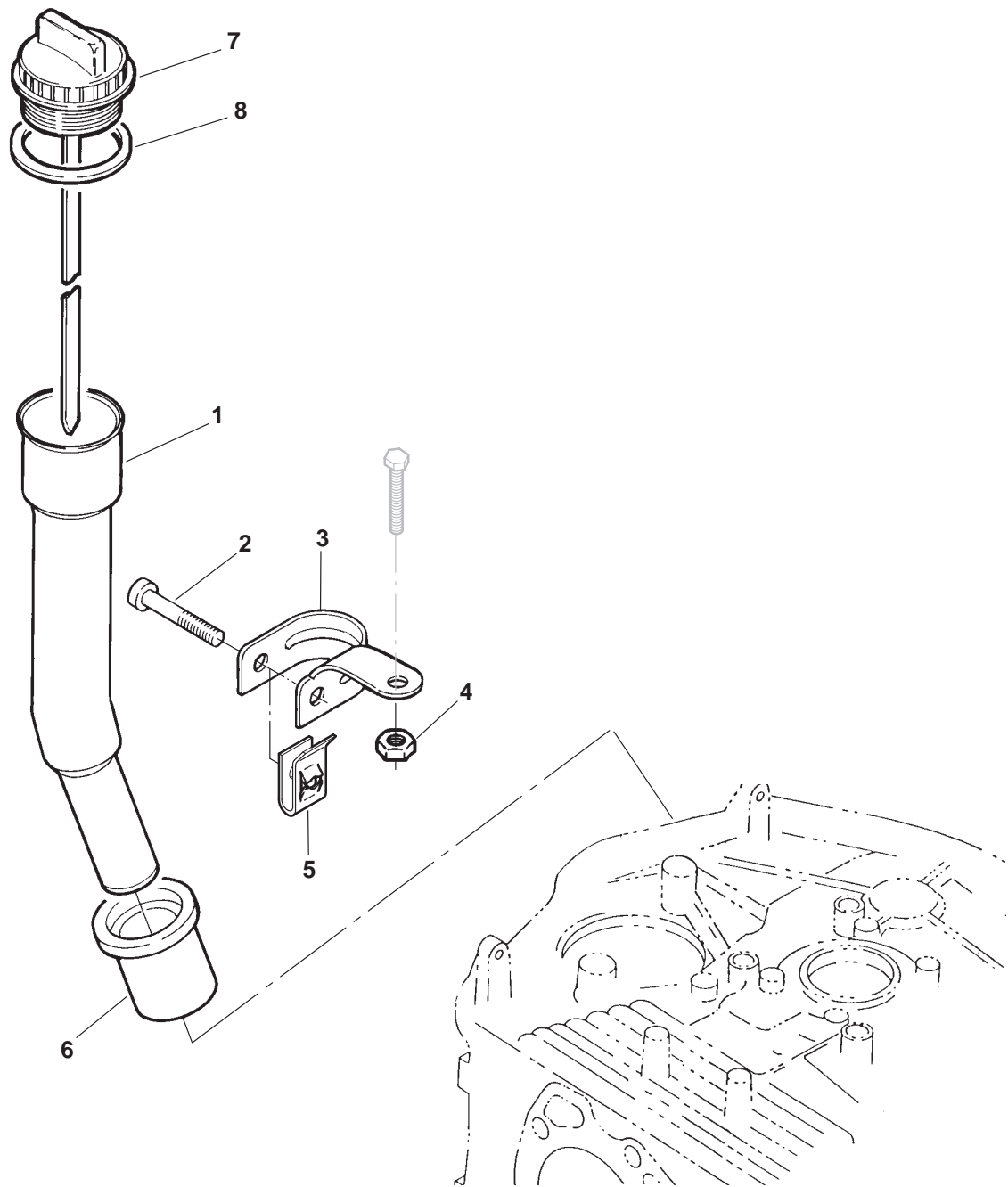
# Blower Housing (Spec 11531)



## Blower Housing (Spec 11531)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4739-56	1	Housing, Blower	8	740-1004	2	Washer, Flat (M6)
2	140-2824-02	1	Support, Precleaner	9	148-1077	1	Control Unit, LPG
3	821-2033	4	Bolt, Flange Hex Head (M6 x 14mm)	10	815-0659	4	Screw, Torx Drive
4	140-2810	1	Tube, Air Inlet	11	134-4738	1	Guard, Stationary
5	815-0753	1	Screw, Self Tapping (M6 x 14mm)	12	823-1003	4	Screw, Button (M6 x 1 x 20mm)
6	815-0474	2	Screw, Hex Washer Head Sheet Metal (1/4-14 x 1/2")	13	140-2825-01	1	Filter, Precleaner
7	191-2207	1	Regulator, Voltage	14	140-2853-02	1	Cover, Precleaner
				15	815-0340	3	Screw, Hex Washer Head (#10-32 x 3/8")

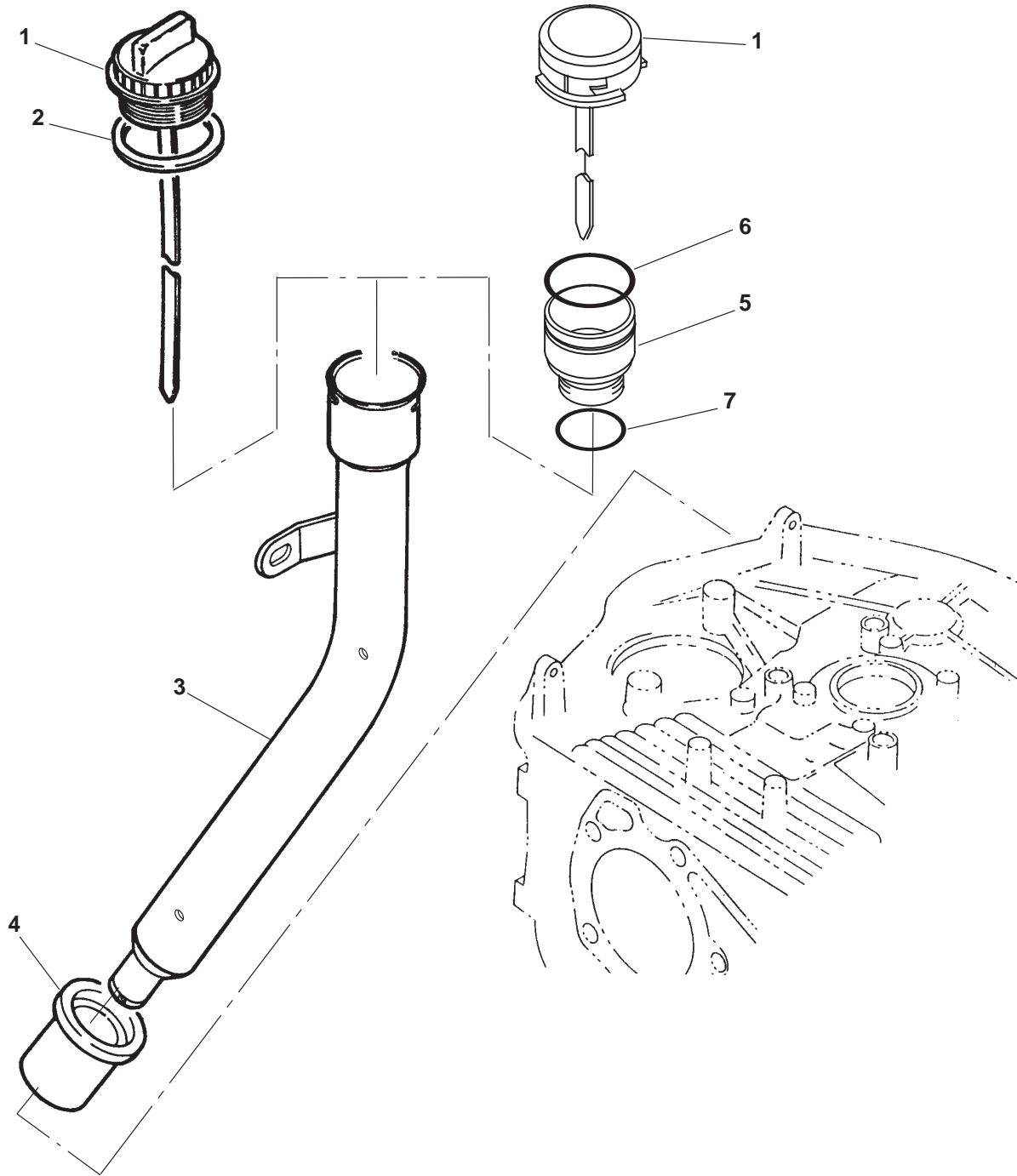
## Short Oil Fill Tube (Code 17DD)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-1873-02	1	Tube, Oil Fill
2	815-0576	1	Screw, Cross Recessed Self-Tapping Pan Head (#10 x 1-1/4")
3	123-1876	1	Bracket, Support
4	750-1006	1	Nut, Hex (M8 x 1.25mm)

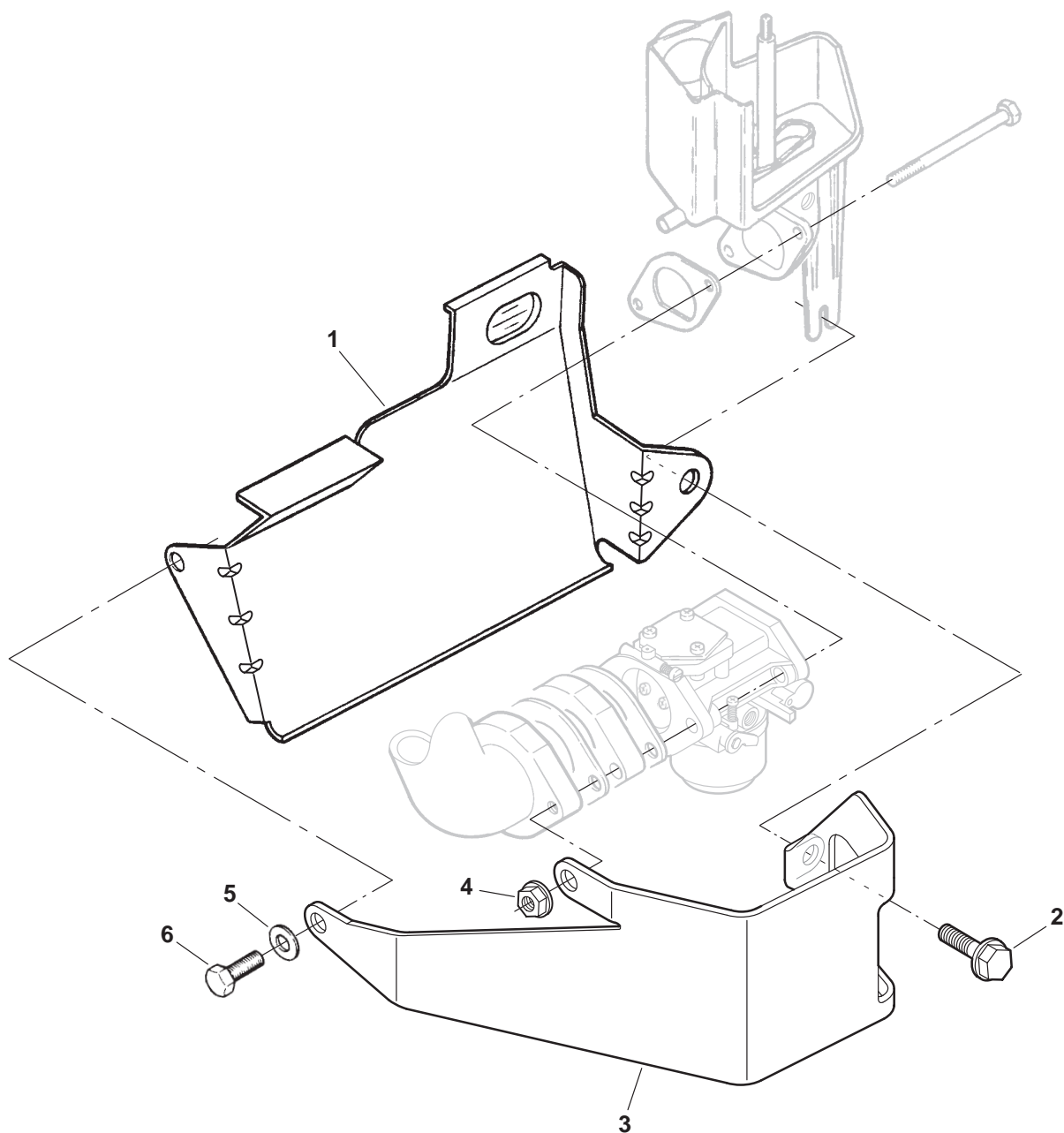
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	870-0410	1	Nut, U Type Speed
6	509-0269	1	Seal, Oil Fill Tube
7	123-1875	1	Indicator, Oil Level (Includes O'Ring)
8	509-0142	1	O'Ring

# Long Oil Fill Tube (Code 17CF, 17DP)



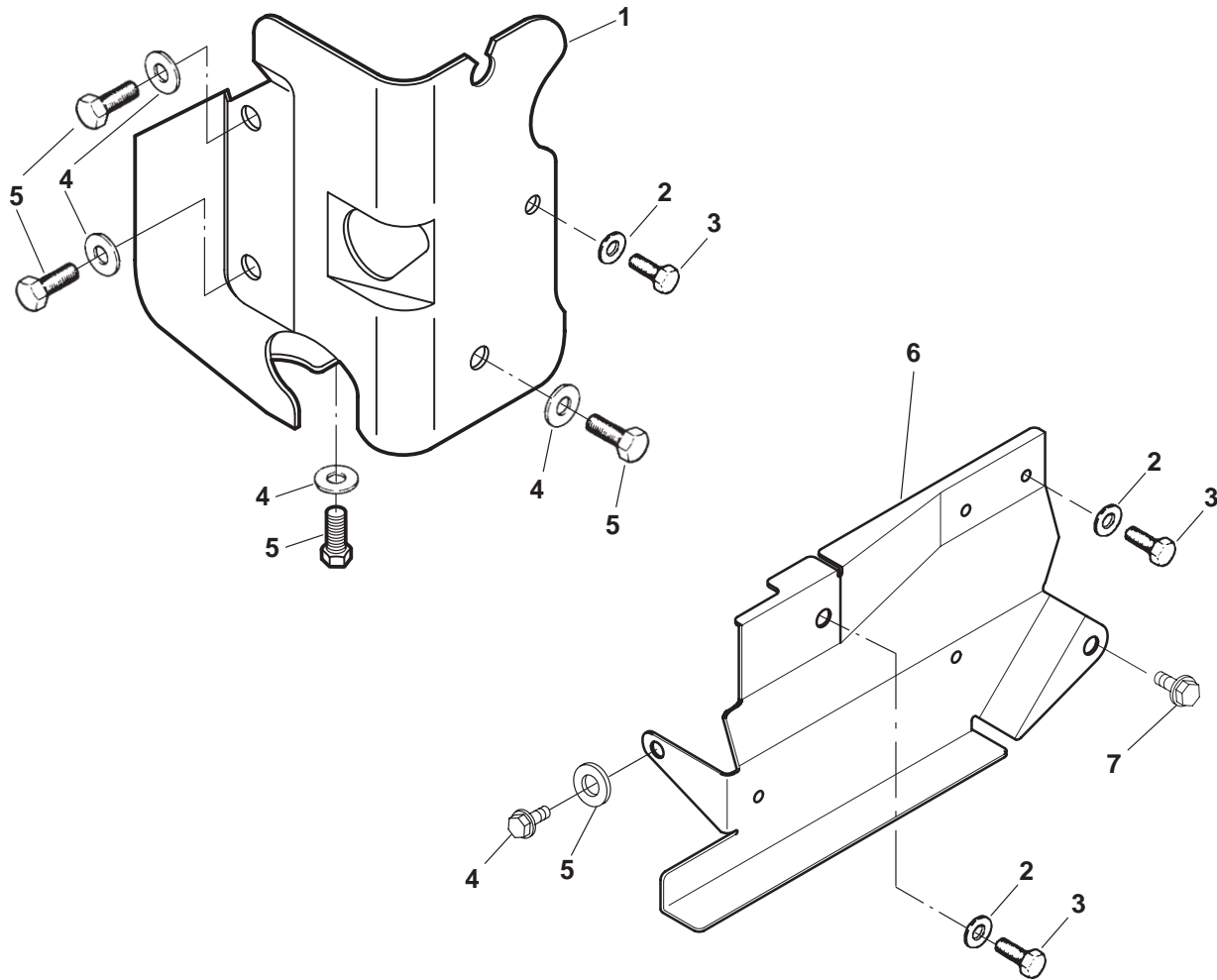
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-1874	1	Indicator, Oil Level Code 17CF (Threaded Cap) (Includes O'Ring)	4	509-0269	1	Seal, Tube
	123-1874-01	1	Code 17DP (Notched Cap)	5	123-2105	1	Adapter Assy (Includes O'Rings (Code 17DP)
2	509-0142	1	O'Ring	6	509-0304	1	O'Ring (Code 17DP)
3	123-1915-50	1	Tube, Oil Fill	7	509-0142	1	O'Ring (Code 17DP)

## Carburetor Guard Bracket (All Specs Except 11531)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4743-50	1	Deflector, Air	4	870-2055	1	Nut, Lock Flange (M8)
2	815-0709-01	1	Screw, Hex Washer Cap Without Guard (M8 x 1.25 x 16mm)	5	740-1006	1	Washer, Flat (M8)
	815-0709-02	1	With Guard (M8 x 1.25 x 30mm)	6	718-1032	1	Screw, Hex Head Cap Without Guard (M8 x 1.25 x 10mm)
3	148-1003-03	1	Bracket, Carburetor Guard		718-1036	1	With Guard (M8 x 1.25 x 20mm)

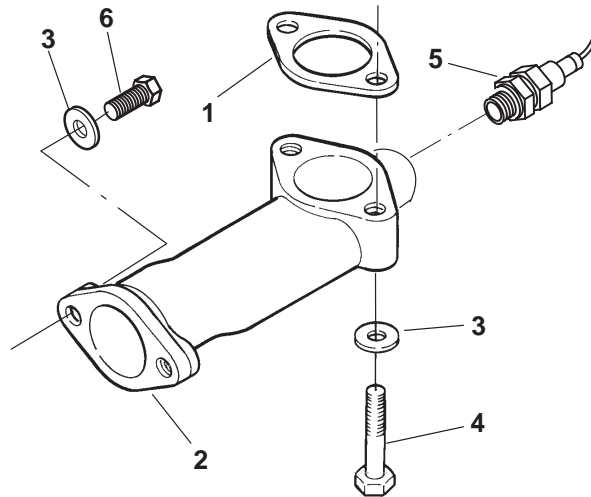
## Air Cylinder Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	134-4742-50	1	Housing, Air Cylinder
2	740-1004	3	Washer, Flat (M6)
3	718-1017	3	Screw, Hex Head Cap (M6 x 10mm)
4	740-1006	5	Washer, Flat (M8)
5	718-1032	5	Screw, Hex Head Cap (M8 x 1.25 x 10mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	134-4978-02	1	Deflector, Air (Spec 11531)
7	815-0709-01	1	Screw, Hex Washer Cap (M8 x 1.25 x 16mm) (Spec 11531)

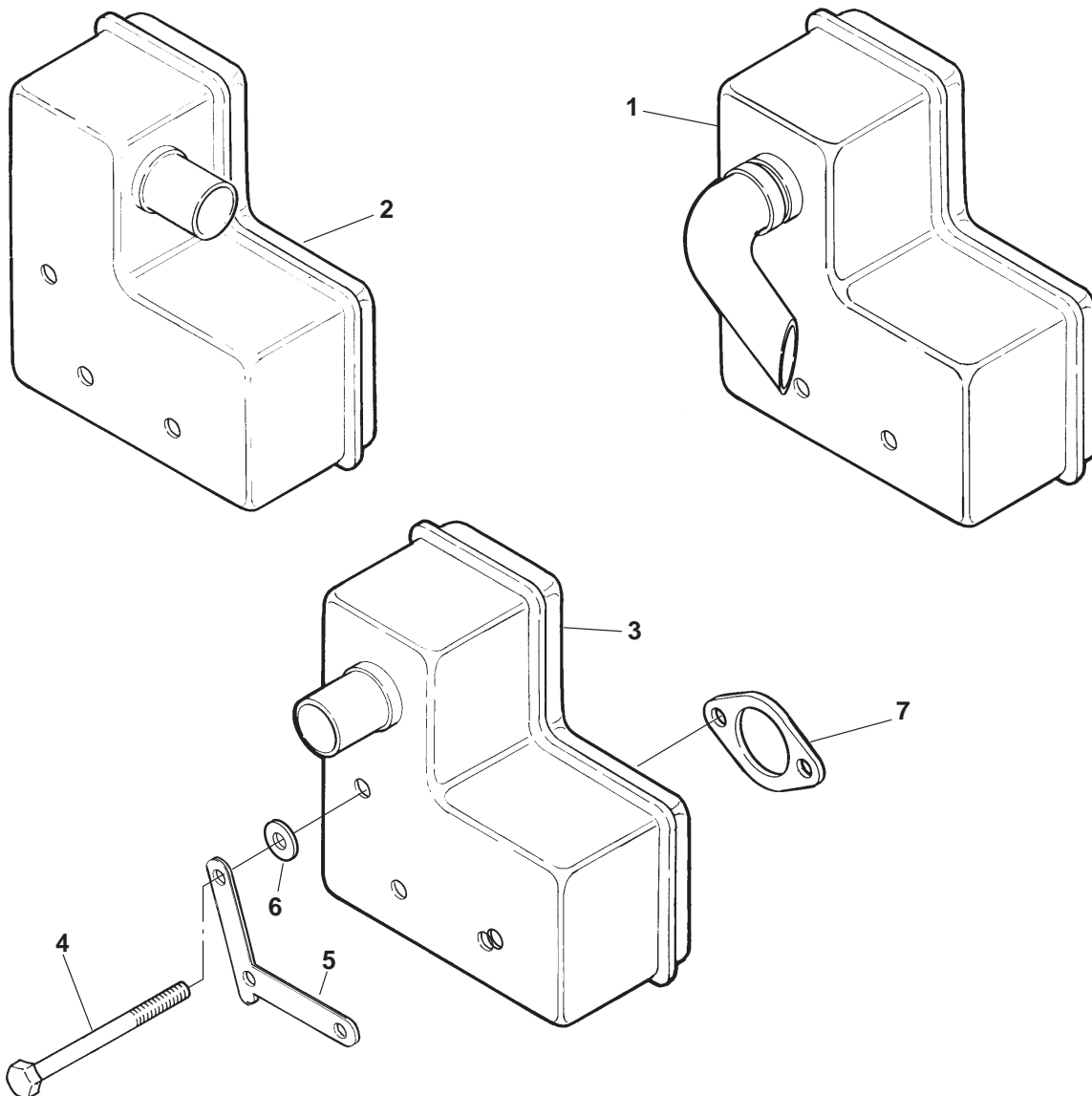
## Exhaust Elbow



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2378	2	Gasket	4	718-1041	2	Screw, Hex Head Cap (M8 x 1.25 x 45mm)
2			Elbow, Exhaust	5	148-1076	1	Sensor, Oxygen
	155-3160-01	1	Spec 11531	6	725-1051	2	Screw, Socket Head Cap
	155-3160-02	1	All Specs Except 11531				
3	740-1006	4	Washer, Flat (M8)				



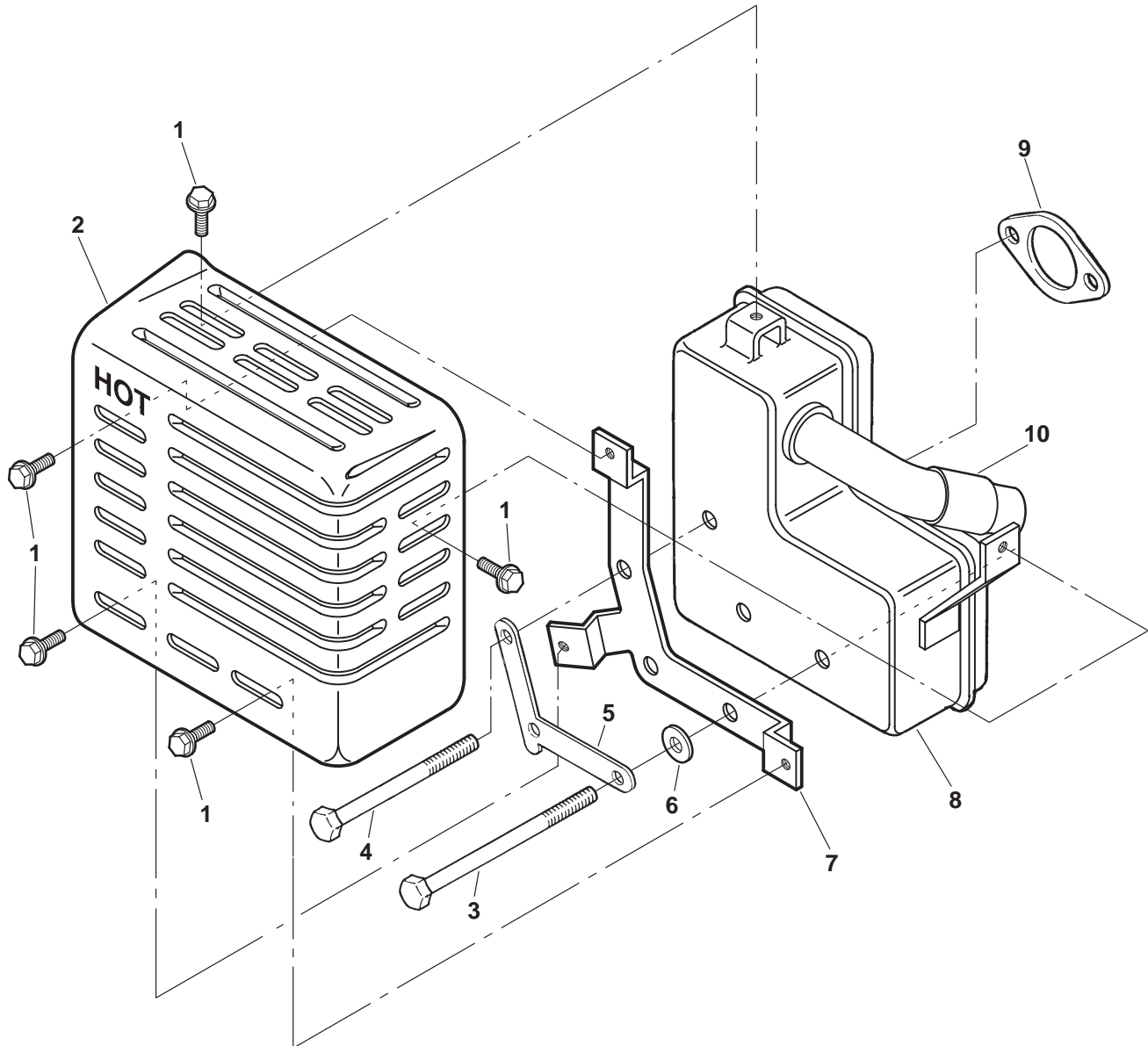
**Muffler**  
**(Code 21BP, 21BS, 21BU, 21BV)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2487	1	^Muffler, Side Mount 45 Degree Angle (Code 21BS)				Kit, Muffler
2			Muffler, Front Exhaust	541-0346	1		Wide, Front Exhaust (Includes Parts Marked + and *)
	155-2446	1	+ Wide (Code 21BU)	541-0347	1		Wide, Side Exhaust (Includes Parts Marked ~ and *)
	155-2445	1	# Narrow (Code 21BV)	541-0398	1		Wide, Side Exhaust 45° Angle (Includes Parts Marked ^ and *)
3	155-2379	1	~Muffler, Side Exhaust (Code 21BP)	541-0345	1		Narrow, Front Exhaust (Includes Parts Marked #)
4			Screw, Hex Head Cap				
	718-1808	3	* (M8 x 100mm)				
	718-1047	3	# (M8 x 75mm)				
5	155-2451-02	1	*#Retainer, Bolt				
6	740-1006	3	*#Washer, Flat (M8)				
7	155-2378	1	*#Gasket				

~ – Parts Included in Side Exhaust Muffler Kit.  
^ – Parts Included in Side Mount 45° Angle Kit.  
+ – Parts Included in Wide Front Exhaust Muffler Kit.  
\* – Mounting Hardware Included in Various Muffler Kits.  
# – Parts Included in Narrow Front Exhaust Muffler Kit.

## Muffler (Code 21CG)

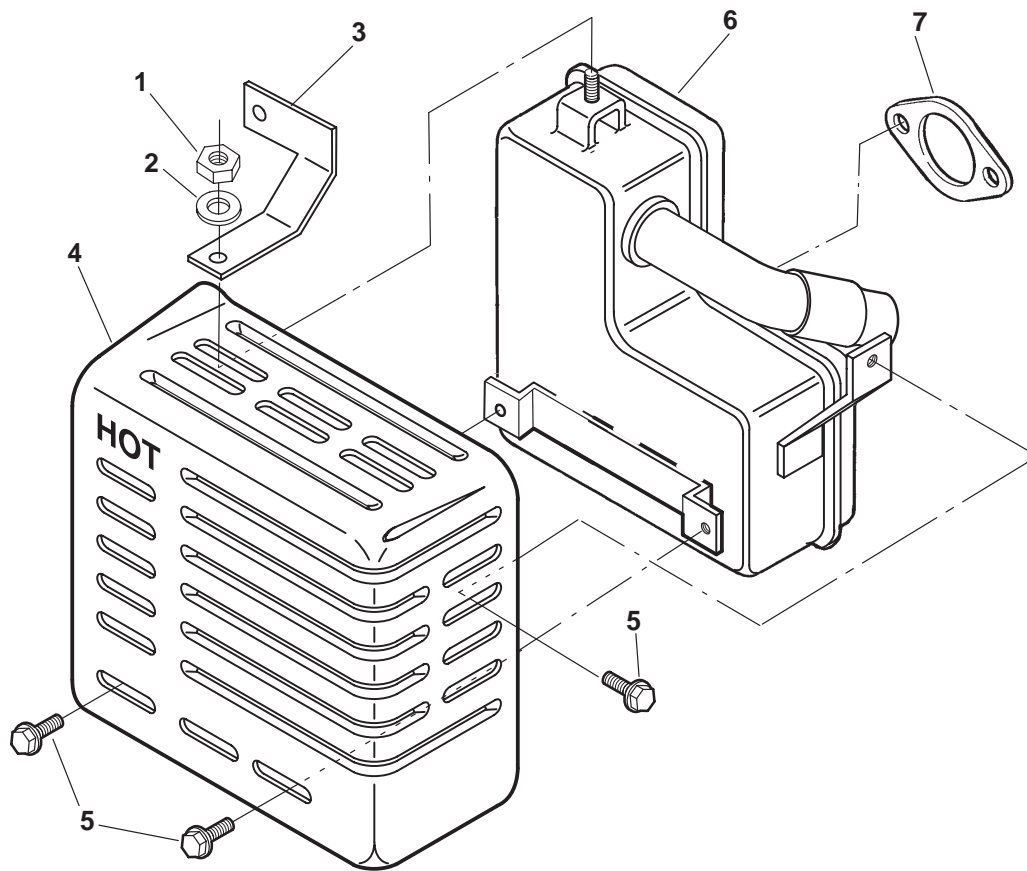


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	541-0478	1	*Kit, Muffler
1	815-0340	5	Screw, Hex Washer Head Thread Forming (#10-32 x 3/8")
2	155-2857-02	1	Guard, Muffler
3	718-1804	2	Screw, Hex Head Cap (M8 x 110mm)
4	718-1808	1	Screw, Hex Head Cap (M8 x 100mm)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	155-2451-02	1	Retainer, Bolt
6	740-1006	3	Washer, Flat (M8)
7	155-2858-02	1	Bracket, Muffler Guard
8	155-2787	1	Muffler
9	155-2378	1	Gasket
10	155-2429-01	1	Arrester, Spark

\* - Includes all Parts Except Spark Arrestor.

## Muffler (Code 21CJ)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	750-1006	1	Nut, Hex (M8 x 1.25")
2	740-1006	1	Washer, Flat (M8)
3	155-3080-02	1	Bracket, Muffler Guard
4	155-3005-02	1	Guard, Muffler

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	815-0340	3	Screw, Hex Washer Head (10-32 x 3/8")
6	155-3002	1	Muffler, Catalytic
7	155-2378	1	Gasket

## Labels, Miscellaneous

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Label, Model Identification	509-0269	1		#Seal, Oil Fill Tube
			E125 (Blower Housing)	509-0255	1		#Seal, Governor Shaft
098-5975-01	1		Spec B, C	509-0142	1		#O'Ring
098-6378-01	1		Begin Spec D				Set, Engine Gasket
			E125 (Air Cleaner)	102-1433	1	*	Spec B-E (Includes Parts Marked +)
			Cover				# Begin Spec F (Includes Parts Marked @)
098-5975-02	1		Spec B, C	102-1462	1		Gasket, Oil Base
098-6378-02	1		Begin Spec D				+ Spec B-E
098-7520	1		Label, Warning (Safe Engine Operation)	110-3588	1	@	Begin Spec F
				110-3829	1		Gasket, Cylinder Head Cover
541-0471-01	1		Kit, Extension Cord (Includes Extension Cord)	110-3598	1	+	Spec B-E
335-0176	1		Cord, Outdoor Extension (10')	110-3830	1	@	Begin Spec F
							Gasket, Intake Manifold
541-0313	1		Kit, Field Conversion (To Electric Starter) (Includes Voltage Regulator, Starter and Mounting Hardware)	146-0484	1	+	Spec B-E
				146-0584	1	@	Begin Spec F
							Gasket, Air Cleaner Adapter
				140-2329	1	+	Spec B-E
420-0577	1		Wrench, Oil Filter	140-2771-02	1	@	Begin Spec F
							Gasket, Insulator
525-0308-02	1		Paint, Black Spray (13 oz.)	146-0486	2	+	Spec B-E
				146-0571-02	1	@	Begin Spec F
				146-0571-01	1	@	Gasket, Carburetor (Begin Spec F)
			Set, Complete Engine Gasket Spec B-E (Includes Parts Marked *)				
168-0186							
168-0220	1		Begin Spec F (Includes Parts Marked #)				
110-3586	1		**Seal, Valve Stem				
110-3591	1		**Gasket, Cylinder Head				
155-2378	1		**Gasket, Exhaust Manifold				
509-0253	1		**O'Ring				
509-0258			**Seal, Oil				

\* - Parts Included in Complete Engine Gasket Set (Spec B-E).

# - Parts Included in Complete Engine Gasket Set (Beginning Spec F).

+ - Parts Included in Engine Gasket Set (Spec B-E).

@- Parts Included in Engine Gasket Set (Beginning Spec F).

## SALES OPTION CODE DEFINITIONS

11AU	Standard Block	21CJ	Muffler, With Catalyst
13BN	3600 High Idle	23DC	Pressure Cooled Housing and Wheel
13BV	1200 Low Idle	23DJ	No Rotating Screen
13BY	1400 Low Idle	23DN	Stationary Guard (No PTO–Plastic) – Onan Logo
13BZ	1500 Low Idle	23EG	Wheel, Blower
13CM	3400 RPM High Idle	23EM	Cooling, Air Precleaner & Support
13CP	Governor, Vertical Pull	31AY	Electronic Ignition
13DC	Governor, Vertical Pull – With Throttle Shutdown, Variable Speed	31AZ	Alternator, 12V/20A
13DH	Governor, Vertical – With Ignition Kill	31BP	Alternator, 12V/5A without Regulator
15BC	No Pump–No Filter	31BS	Alternator, 8A, Rectifier, Unregulated
15BG	Carburetor, LPG–Sidedraft	33AT	Starter Solenoid Shift (Side) Standard
15CF	Control, Throttle–Dual	33AY	Recoil Starter
15CW	Regulator, LPG – Engine Mounted	33BC	Starter, 110V
15CX	Lockoff, LPG Fuel, Vacuum	33BD	Delete Recoil Starter
15DC	Lockoff, LPG Fuel, 12V	35AH	Low Oil Pressure Switch (1 Terminal Normally Open)
15DF	Closed Loop Emission Control System	35AU	Low Oil Pressure Switch (1 Terminal Normally Closed)
15DG	Carburetor, Manifold LP Regulator, Floorcare	35AV	Low Oil Pressure Switch (2 Terminal Normally Open)
15DH	LP Fuel Pressure Regulator, Floorcare	35BM	Harness, 1 Wire
17BW	Oil Base, Standard Capacity with Side Drain Only	35BW	Low Oil Pressure Switch (2 Terminal, Normally Open–Normally Closed, Internal Ground)
17CF	Oil Fill Tube & Indicator – Outer Extension	35CS	Harness, 5 Pin
17DD	Oil Fill and Indicator (Short)	35CU	Harness, 3 Wire/Single Connector
17DP	Filter, Oil (2.9" Filter Length)	45DW	Crankshaft 1.00 Diameter St Shaft
17DT	Base, Oil, Standard – Side Drain, With Valve	47AR	Finishing List
19AW	Air Intake System, Standard Capacity	47BJ	Labels
21AM	Elbow, 90 Degree Exhaust	47BK	Floorcare Special & Mounting Hardware
21BP	Muffler, Side Outlet (Wide)		
21CG	Muffler, Front Outlet (Wide)		

## Sales Option Code Table

<b><u>SPEC NO.</u></b>	<b><u>11217</u></b>	<b><u>11294</u></b>	<b><u>11315</u></b>	<b><u>11326</u></b>	<b><u>11330</u></b>	<b><u>11474</u></b>	<b><u>11531</u></b>	<b><u>11536</u></b>	<b><u>11537</u></b>
<b>SALES OPTION CODE NUMBERS</b>	11AU	11AU	11AU	11AU	11AU	11AU	11AU	11AU	11AU
	13BV	13BV	13BV	13BV	13BN	13BV	13BZ	13BZ	13BZ
	13CM	13CM	13CM	13CM	13BY	13CM	13CM	13CM	13CM
	13DC	13CP	13CP	13DC	13CP	13DC	13CP	13DH	13DH
	15BG	15BG	15BG	15BG	15BC	15BG	15DC	15BG	15BG
	15CW	15CW	17DD	15CW	15BG	15CW	15DF	17CF	17CF
	17DD	17DD	17DP	15CX	15CF	15CX	15DG	17DP	17DP
	17DP	17DP	17DT	17CF	15CW	17CF	15DH	17DT	17DT
	17DT	17DT	19AW	17DP	17BW	17DP	17CF	19AW	19AW
	19AW	19AW	21AM	17DT	17DD	17DT	17DP	21AM	21AM
	21AM	21AM	21CG	19AW	17DP	19AW	17DT	21CG	21CG
	21CG	21CG	23DC	21AM	19AW	21AM	19AW	23DC	23DC
	23DC	23DC	23EG	21CG	21AM	21CG	21AM	23EG	23EG
	23EG	23EG	23EM	23DC	21BP	23DC	21CJ	23EM	23EM
	23EM	23EM	31AY	23EG	23DC	23EG	23DC	31AY	31AY
	31AY	31AY	31AZ	23EM	23DJ	23EM	23DJ	31BP	31AZ
	31BS	31AZ	33AT	31AY	23DN	31AY	23EG	33AY	33AT
	33AY	33AT	35AH	31BP	23EG	31AZ	23EM	33BC	35AU
	33BC	35AU	35BM	33AY	31AY	33AY	31AY	35AU	35BM
	35AU	35CU	45DW	33BC	31AZ	33AT	31AZ	35CU	45DW
	35CU	45DW	47AR	35AU	33AT	35BW	33AT	45DW	47AR
	45DW	47AR	47BJ	35CU	35BM	35CU	33BD	47AR	47BJ
	47AR	47BJ	47BK	45DW	45DW	45DW	35AV	47BJ	47BK
	47BJ	47BK		47AR	47AR	47AR	35CS	47BK	
	47BK			47BJ		47BJ	45DW		
				47BK		47BK	47AR		
							47BJ		
							47BK		

## Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-5975-01, <b>42</b>		110-3579, <b>11</b>		115-0429, <b>11</b>		140-2748-01, <b>19</b>	
098-5975-02, <b>42</b>		110-3580, <b>11</b>		115-0473, <b>11</b>		140-2761, <b>19</b>	
098-6378-01, <b>42</b>		110-3581, <b>11</b>		115-0496, <b>11</b>		140-2771-02, <b>42</b>	
098-6378-02, <b>42</b>		110-3586, <b>42</b>		120-0140, <b>13</b>		140-2810, <b>33</b>	
098-7520, <b>42</b>		110-3587, <b>11</b>		120-1217, <b>13</b>		140-2824-02, <b>28, 31, 33</b>	
102-1433, <b>42</b>		110-3588, <b>13, 42</b>		120-1236, <b>13</b>		140-2825-01, <b>31, 33</b>	
102-1462, <b>19, 42</b>		110-3591, <b>11, 42</b>		120-1237, <b>13</b>		140-2825-02, <b>28</b>	
102-1465-01, <b>13</b>		110-3593, <b>11</b>		120-1299-02, <b>13</b>		140-2853-02, <b>28, 31, 33</b>	
102-1465-02, <b>13</b>		110-3594, <b>11</b>		122-0737, <b>13</b>		140-2941-02, <b>19</b>	
102-1465-03, <b>13</b>		110-3595, <b>11</b>		122-0770, <b>13</b>		140-3010, <b>19</b>	
104-1717, <b>7</b>		110-3596, <b>11</b>		123-1836, <b>11</b>		140-3111, <b>17</b>	
104-1718, <b>7</b>		110-3598, <b>11, 42</b>		123-1873-02, <b>34</b>		145-0694, <b>19</b>	
104-1719, <b>7</b>		110-3693, <b>11</b>		123-1874, <b>35</b>		145-0706, <b>16</b>	
104-1720, <b>7</b>		110-3694, <b>11</b>		123-1874-01, <b>35</b>		146-0484, <b>16, 42</b>	
104-1721-01, <b>7</b>		110-3822, <b>11</b>		123-1875, <b>34</b>		146-0485, <b>16</b>	
104-1721-02, <b>7</b>		110-3825, <b>11</b>		123-1876, <b>34</b>		146-0486, <b>16, 42</b>	
104-1721-03, <b>7</b>		110-3826, <b>11</b>		123-1915-50, <b>35</b>		146-0567, <b>19</b>	
104-1721-05, <b>7</b>		110-3827, <b>11</b>		123-2043, <b>19</b>		146-0571-01, <b>19, 42</b>	
104-1721-07, <b>7</b>		110-3829, <b>13, 42</b>		123-2105, <b>35</b>		146-0571-02, <b>19, 42</b>	
104-1721-08, <b>7</b>		110-3830, <b>11, 42</b>		134-4738, <b>29, 31, 33</b>		146-0584, <b>19, 42</b>	
104-1726-01, <b>7</b>		110-3863-03, <b>11</b>		134-4739-50, <b>28, 29, 31</b>		146-0590, <b>24</b>	
104-1726-02, <b>7</b>		110-3892, <b>5, 11</b>		134-4739-56, <b>33</b>		146-0618, <b>16</b>	
104-1726-03, <b>7</b>		110-3911, <b>11</b>		134-4742-50, <b>37</b>		146-0675, <b>19</b>	
104-1726-04, <b>7</b>		110-3912, <b>11</b>		134-4743-50, <b>36</b>		148-0992, <b>21</b>	
104-1726-06, <b>7</b>		112-0244, <b>8</b>		134-4773, <b>9</b>		148-0992-01, <b>22</b>	
104-1726-07, <b>7</b>		112-0245, <b>8</b>		134-4899, <b>9</b>		148-0993-02, <b>21</b>	
104-1827-01, <b>7</b>		112-0276, <b>8</b>		134-4899-01, <b>9</b>		148-0995-02, <b>21</b>	
104-1827-02, <b>7</b>		112-0276-01, <b>8</b>		134-4978-02, <b>37</b>		148-1003-03, <b>36</b>	
104-1896-05, <b>7</b>		112-0276-02, <b>8</b>		134-5067-01, <b>9</b>		148-1008-02, <b>22</b>	
105-0649-01, <b>6</b>		113-0330, <b>8</b>		140-2329, <b>17, 42</b>		148-1061-02, <b>22</b>	
105-0649-02, <b>6</b>		113-0330-01, <b>8</b>		140-2335-01, <b>17</b>		148-1071, <b>23</b>	
105-0649-03, <b>6</b>		113-0330-02, <b>8</b>		140-2383, <b>17</b>		148-1072, <b>23</b>	
105-0649-04, <b>6</b>		114-0355, <b>8</b>		140-2527-01, <b>17</b>		148-1073, <b>23</b>	
105-0649-05, <b>6</b>		114-0356, <b>8</b>		140-2533, <b>17</b>		148-1074, <b>23</b>	
105-0649-06, <b>6</b>		114-0357, <b>8</b>		140-2534, <b>17</b>		148-1075, <b>23</b>	
105-0657, <b>6</b>		114-0357-01, <b>8</b>		140-2536-04, <b>19</b>		148-1076, <b>38</b>	
105-0693-02, <b>6</b>		115-0423, <b>11</b>		140-2584-50, <b>17</b>		148-1077, <b>33</b>	
105-0712, <b>6</b>		115-0424, <b>11</b>		140-2674-01, <b>19</b>		149-2299, <b>24</b>	
110-2752, <b>11</b>		115-0426, <b>11</b>		140-2675, <b>19</b>		150-1269, <b>16</b>	
110-3578, <b>11</b>		115-0427, <b>11</b>		140-2676, <b>19</b>		150-2272, <b>13</b>	

## Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
150-2287, <b>6</b>		166-0837, <b>5</b>		191-2207, <b>33</b>		503-0769, <b>13, 17</b>	
150-2290, <b>15</b>		167-0263-02, <b>11</b>		191-2208, <b>16</b>		503-1232, <b>24</b>	
150-2302, <b>6</b>		167-1621, <b>11</b>		192-0433, <b>27</b>		503-1252-01, <b>24</b>	
150-2303, <b>6</b>		168-0186, <b>42</b>		192-0442, <b>27</b>		503-1274, <b>13</b>	
150-2304, <b>6</b>		168-0220, <b>42</b>		305-0718, <b>16</b>		503-1396, <b>17</b>	
150-2305, <b>6</b>		185-2334, <b>26</b>		309-0606, <b>13</b>		503-1420, <b>22</b>	
150-2338, <b>15</b>		185-2367, <b>26</b>		309-0640, <b>13</b>		503-1442, <b>24</b>	
150-2351, <b>15</b>		185-2627, <b>8</b>		309-0646-06, <b>13</b>		503-1445-04, <b>19</b>	
150-2515, <b>15</b>		185-2656, <b>26</b>		309-0646-09, <b>13</b>		503-2081, <b>19</b>	
150-2529, <b>6</b>		185-2657, <b>26</b>		313-0038, <b>15</b>		504-0186, <b>13</b>	
150-2548, <b>15</b>		185-2658, <b>26</b>		313-0039, <b>15</b>		505-0061, <b>23</b>	
152-0319, <b>15</b>		185-2659, <b>26</b>		321-0162, <b>20</b>		505-0110, <b>13</b>	
152-0330, <b>15</b>		185-2660, <b>26</b>		321-0362, <b>20</b>		505-1426, <b>5</b>	
152-0343, <b>15, 19</b>		185-2661, <b>26</b>		323-0987, <b>20</b>		505-1515-02, <b>13</b>	
152-0350, <b>15</b>		185-2662, <b>26</b>		323-1585, <b>20</b>		505-1516-02, <b>13</b>	
153-0621, <b>15</b>		185-2663, <b>26</b>		332-0527, <b>15</b>		508-0012, <b>17</b>	
153-0630, <b>15</b>		185-2664, <b>26</b>		332-0819, <b>20</b>		508-1083-04, <b>28</b>	
153-0632, <b>15</b>		185-2707, <b>26</b>		332-0942, <b>16</b>		509-0142, <b>34, 35, 42</b>	
153-0633-01, <b>15</b>		185-2713, <b>26</b>		332-1356, <b>5</b>		509-0253, <b>13, 42</b>	
153-0650, <b>15</b>		185-2717, <b>27</b>		332-3225, <b>20</b>		509-0255, <b>6, 42</b>	
154-2792, <b>16</b>		185-2718, <b>27</b>		335-0176, <b>42</b>		509-0258, <b>5, 13, 42</b>	
154-2908, <b>19</b>		185-2719, <b>27</b>		338-2527, <b>16</b>		509-0269, <b>34, 35, 42</b>	
155-2378, <b>38, 39, 40, 41, 42</b>		185-2722, <b>27</b>		338-3044, <b>16</b>		509-0289, <b>11</b>	
155-2379, <b>39</b>		185-2767, <b>27</b>		338-3646, <b>23</b>		509-0304, <b>35</b>	
155-2429-01, <b>40</b>		185-2768, <b>27</b>		338-3651, <b>19, 20</b>		509-0330, <b>11</b>	
155-2445, <b>39</b>		185-2889, <b>27</b>		357-0030, <b>20</b>		510-0043, <b>13</b>	
155-2446, <b>39</b>		185-2942, <b>27</b>		370-4057, <b>15</b>		510-0160, <b>5</b>	
155-2451-02, <b>39, 40</b>		185-2965, <b>26</b>		420-0577, <b>42</b>		510-0162, <b>5</b>	
155-2487, <b>39</b>		185-3681, <b>27</b>		502-0056, <b>22</b>		510-0163, <b>5, 13</b>	
155-2787, <b>40</b>		185-5289, <b>27</b>		502-0313, <b>5, 17, 22</b>		510-0182, <b>13</b>	
155-2857-02, <b>40</b>		185-6386, <b>26</b>		502-0590, <b>23</b>		515-0293, <b>7</b>	
155-2858-02, <b>40</b>		185-6957, <b>26</b>		502-1222, <b>24</b>		515-0294, <b>6</b>	
155-3002, <b>41</b>		191-1456-02, <b>9</b>		502-1258, <b>22</b>		515-0295, <b>9</b>	
155-3005-02, <b>41</b>		191-1456-03, <b>9</b>		502-1285-03, <b>13</b>		516-0059, <b>15</b>	
155-3080-02, <b>41</b>		191-1906, <b>5, 26</b>		502-1286-02, <b>13</b>		516-2004, <b>11</b>	
155-3160-01, <b>38</b>		191-1967, <b>9</b>		503-0170, <b>17</b>		517-0067, <b>13</b>	
155-3160-02, <b>38</b>		191-2127, <b>5, 25</b>		503-0183, <b>16</b>		518-0515, <b>13, 24</b>	
166-0799, <b>5</b>		191-2130, <b>9</b>		503-0301, <b>24</b>		518-0533, <b>11</b>	
166-0832, <b>5</b>		191-2152, <b>25</b>		503-0707, <b>16, 24</b>		518-0560, <b>13</b>	
		191-2153, <b>25</b>		503-0731, <b>24</b>		518-0566, <b>11</b>	



## Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
518-0576, <b>6</b>		775-0074, <b>5</b>		870-2055, <b>36</b>			
518-0594, <b>15</b>		800-0051, <b>22</b>		870-2060, <b>9</b>			
520-2033, <b>16</b>		800-2062, <b>15</b>					
520-2212, <b>15</b>		800-2063, <b>16, 19</b>					
525-0308-02, <b>42</b>		800-3026, <b>11</b>					
526-0026, <b>22</b>		800-4072, <b>15</b>					
526-0115, <b>16, 19</b>		813-0103, <b>16</b>					
526-0122, <b>13</b>		815-0005, <b>21</b>					
526-0140, <b>15</b>		815-0340, <b>28, 31, 33, 40, 41</b>					
526-0405, <b>9</b>		815-0359, <b>15</b>					
541-0313, <b>42</b>		815-0474, <b>19, 33</b>					
541-0345, <b>39</b>		815-0576, <b>34</b>					
541-0346, <b>39</b>		815-0638-01, <b>9</b>					
541-0347, <b>39</b>		815-0659, <b>33</b>					
541-0398, <b>39</b>		815-0709-01, <b>13, 36, 37</b>					
541-0439, <b>29</b>		815-0709-02, <b>36</b>					
541-0471-01, <b>42</b>		815-0753, <b>9, 33</b>					
541-0478, <b>40</b>		815-0754, <b>5</b>					
541-0488, <b>27</b>		815-0756, <b>28, 29, 31</b>					
541-0489, <b>5</b>		815-0759, <b>13</b>					
541-0508, <b>13</b>		815-0773, <b>27, 28</b>					
718-1017, <b>37</b>		815-0775, <b>24</b>					
718-1032, <b>36, 37</b>		815-0776, <b>15</b>					
718-1036, <b>36</b>		815-0816-01, <b>19</b>					
718-1041, <b>38</b>		815-0829-02, <b>13</b>					
718-1047, <b>39</b>		815-0833, <b>15</b>					
718-1055, <b>21</b>		821-0010, <b>21, 22</b>					
718-1804, <b>40</b>		821-0011, <b>16</b>					
718-1808, <b>17, 39, 40</b>		821-2033, <b>33</b>					
718-1814, <b>5</b>		821-2045, <b>27</b>					
718-1816, <b>17</b>		823-0003-05, <b>13</b>					
725-1029, <b>11</b>		823-0003-07, <b>5</b>					
725-1051, <b>38</b>		823-1003, <b>29, 31, 33</b>					
740-1004, <b>11, 15, 19, 33, 37</b>		853-0016, <b>15</b>					
740-1006, <b>6, 15, 17, 36, 37, 38, 39, 40, 41</b>		870-0131, <b>16</b>					
740-1008, <b>11, 21</b>		870-0410, <b>34</b>					
750-1004, <b>15</b>		870-0465, <b>26</b>					
750-1006, <b>15, 34, 41</b>		870-0506, <b>6</b>					
775-0061, <b>9</b>		870-0528, <b>15</b>					



**Onan Corporation**  
**1400 73rd Avenue N.E.**  
**Minneapolis, MN 55432**  
**1-800-888-ONAN**  
**612-574-5000 International Use**  
**Telex: 275477**  
**Fax: 612-574-8087**

Onan is a registered trademark of Onan Corporation