

TABLE OF CONTENTS

	PAGES
SELECTING A REPLACEMENT ENGINE BY COMPARING SPECIFICATIONS	1
TECUMSEH SERVICE NUMBER SYSTEM	1
AIR CLEANER STYLE REFERENCE PAGE	2
FUEL TANK MOUNTING REFERENCE PAGE	3
ACCESSORIES	4 thru 7
 VERTICAL ENGINE SPECIFICATIONS – 4-CYCLE	
3.5 HORSEPOWER	
Small Frame Rotary Lawn Mower/Trimmer Applications (LEV80)	8
3.5 - 4.5 HORSEPOWER	
Small Frame Rotary Lawn Mower/Trimmer Applications LV148EA (LEV90)	9
6.0 HORSEPOWER	
Small Frame Rotary Lawn Mower Application (LEV105)	10
Small Frame Rotary Lawn Mower Application LV195EA (LEV120)	11
6.5 HORSEPOWER	
Small Frame Rotary Lawn Mower Application LV195EA (LEV120)	12
Small Frame Rotary Lawn Mower Application (OVRM120)	13
8.0 HORSEPOWER	
Rider Application (TVM220)	14
10.0 HORSEPOWER	
Rider Application (TVM220)	15
13.0 - 13.5 HORSEPOWER	
Overhead Valve Rider Application OV358EA (OHV130, OHV135)	16
18.0 HORSEPOWER	
Overhead Valve Rider Application OV490EA (OHV180)	17
22.0 HORSEPOWER	
Overhead Valve Rider Application OV691EA (TVT691)	18
 HORIZONTAL ENGINE SPECIFICATIONS – 4-CYCLE	
3.0 HORSEPOWER	
Tiller Application (H30)	19
3.5 HORSEPOWER	
Tiller Application (H35)	20
Mini-Bike Application (H35)	21
4.0 HORSEPOWER	
Mini-Bike Application (H40)	22
5.0 HORSEPOWER	
Winter Application LH195SA (HSSK50)	23
5.5 HORSEPOWER	
Overhead Valve Utility Application OH195EA (OHH55)	24
6.0 HORSEPOWER	
Overhead Valve Various Applications OH195EA (OHH60)	25
7.0 HORSEPOWER	
Overhead Valve Winter Application OH195SA (OHSK70)	26
9.0 HORSEPOWER	
Winter Application LH318SA (HMSK90)	27
Overhead Valve Winter Application OH318SA (OHSK90)	28
10.0 HORSEPOWER	
Medium Frame - HM100	29
11.0 HORSEPOWER	
Winter Application LH358SA (HMSK110)	30 & 31
Overhead Valve Winter Application OH318SA (OHSK110)	32
12.0 HORSEPOWER	
Overhead Valve Winter Application OH358SA (OHSK120)	33
13.0 HORSEPOWER	
Overhead Valve Winter Application OH358SA (OHSK130)	34

TABLE OF CONTENTS *(continued)*

VERTICAL ENGINE SPECIFICATIONS – 2-CYCLE

2.0 HORSEPOWER	
Multi Applications TM049XA (TC300)	35
3.0 HORSEPOWER	
Various Applications TV085XA (AV520)	36

HORIZONTAL ENGINE SPECIFICATIONS – 2-CYCLE

3.0 HORSEPOWER	
Winter Application TH098SA (HSK600)	37
4.5 HORSEPOWER	
Winter Application TH139SA (HSK845)	38

DIMENSIONAL DRAWINGS

VERTICAL and HORIZONTAL – 4-CYCLE

LV148EA (LEV90)	39
LEV105, LV195EA (LEV120)	40
OVRM 120	41
TVM220	42
OV358EA (OHV130, OHV135)	43
OV490EA (OHV180)	44
OV691EA (TVT691)	45
H30, H35, H40	46
LH195EA (HSSK50)	47
OH195EA (OHH55, OHH60)	48
OH195SA (OHSK70)	49
LH318SA (HMSK80), HMSK90, LH358SA (HMSK100), HMSK110	50
OH318SA (OHSK90-110)	51
HM100	52
OHSK120	53
OH358SA (OHSK130)	54

VERTICAL and HORIZONTAL – 2-CYCLE

TM049XA (TC300)	55
TV085XA (AV520)	56
TH098SA (HSK600)	57
TH139SA (HSK845)	58

SELECTING A REPLACEMENT ENGINE BY COMPARING SPECIFICATIONS

If the model or type number of the old engine is not shown in the Engine Replacement List, or if the model or type number is unknown, proceed as follows:

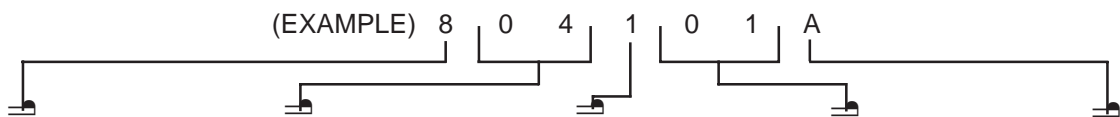
FIRST DIGIT - The number which represents the CRANKSHAFT POSITION.

SECOND & THIRD DIGITS - Determines the HORSEPOWER required. (2-cycle is designated by 00 in the second and third digit position.)

FOURTH DIGIT - Determines PRIMARY FEATURES required.

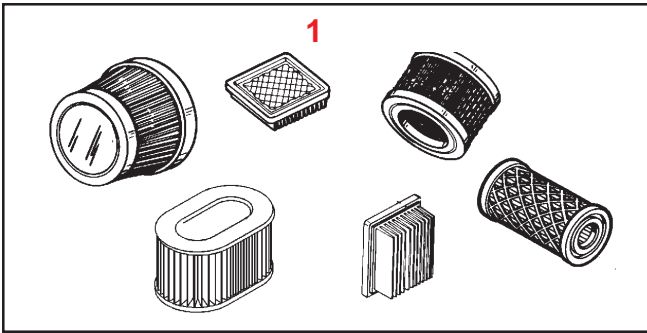
Engines that are specially built for specific O.E.M.'s because of color, etc., are not suitable to be sold to an Assigned O.E.M.

TECUMSEH SERVICE NUMBER SYSTEM

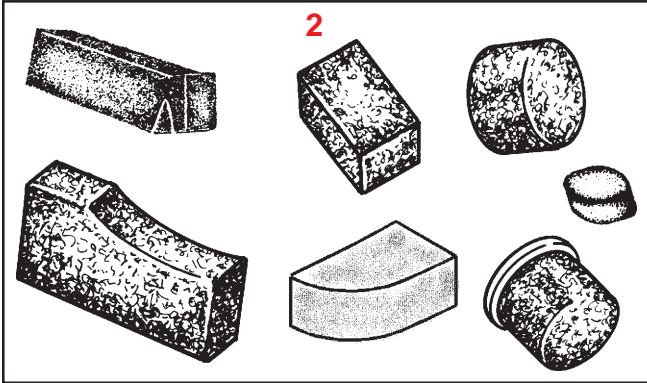


1st DIGIT	2nd & 3rd DIGIT	4th DIGIT	5th & 6th DIGIT	7th DIGIT
CRANKSHAFT POSITION	HORSEPOWER OR 2-CYCLE	PRIMARY FEATURES	ENGINE VARIATION NUMBER	REVISION LETTER
8 = Vertical 9 = Horizontal	00 = 2-Cycle 02 = 3 H.P. 03 = 3.5, 3.8 H.P. 04 = 4, 4.8 H.P. 05 = 5, 5.5 H.P. 06 = 6 H.P. 07 = 7 H.P. 08 = 8 H.P. 09 = 9 H.P. 10 = 10 H.P. 11 = 11 H.P. 12 = 12, 12.5 H.P. 13 = 13 H.P. 14 = 14 H.P. 15 = 15 H.P. 16 = 16, 16.5 H.P. 17 = 17 H.P. 18 = 18 H.P. 22 = 22 H.P.	1 = Rotary Mower 2 = Industrial 3 = Winter Application 4 = Mini Bike 5 = Tractor 6 = Tiller/Edger 7 = Rider 8 = Rotary Mower	00 thru 99 00 thru 99 00 thru 99 00 thru 99 00 thru 99 00 thru 99 00 thru 99 00 thru 99	

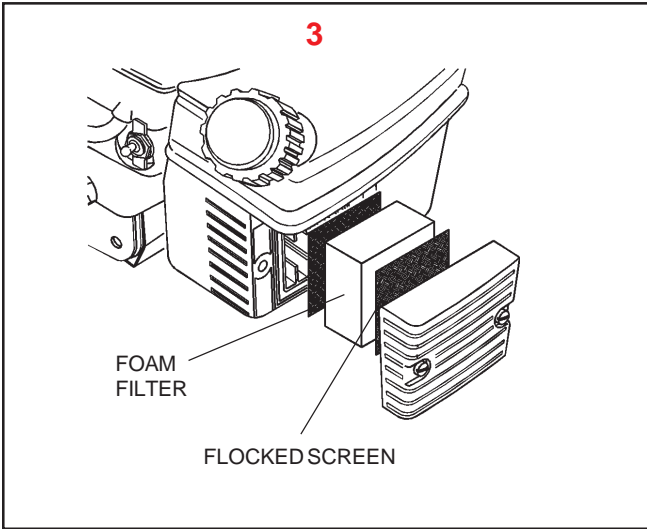
AIR CLEANERS



1
PLEATED PAPER TYPE

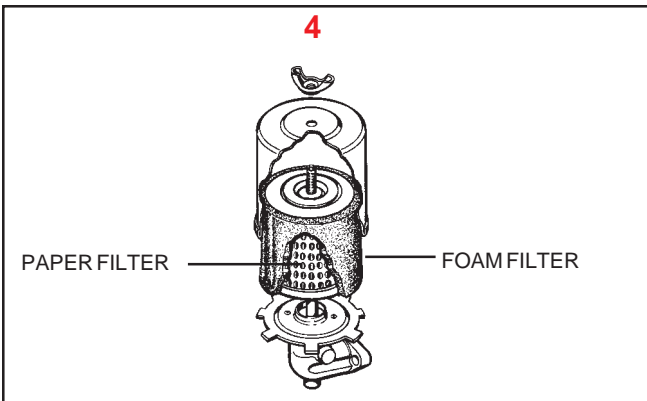


2
POLYURETHANE TYPE



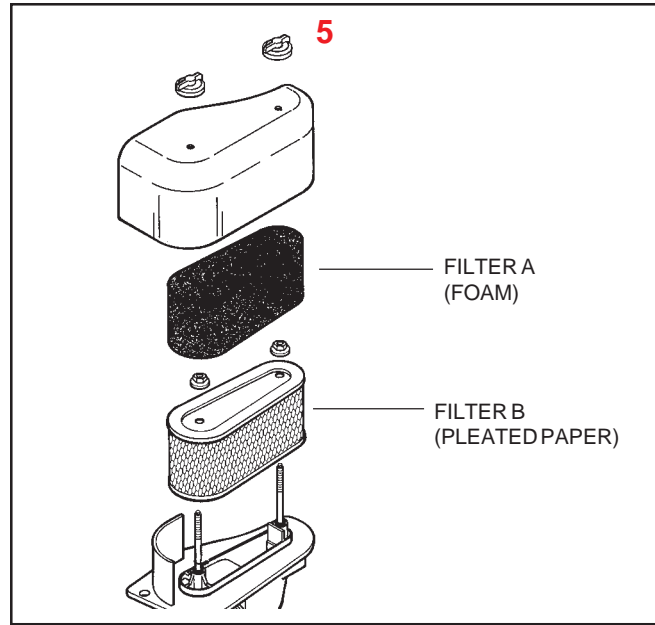
3
FOAM FILTER
FLOCKED SCREEN

POLY - KLEEN-AIRE



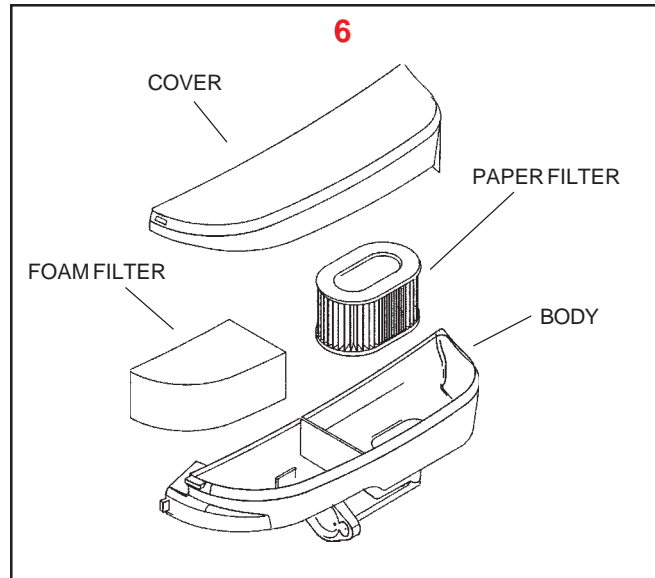
4
PAPER FILTER
FOAM FILTER

PAPER POLY DUAL STAGE



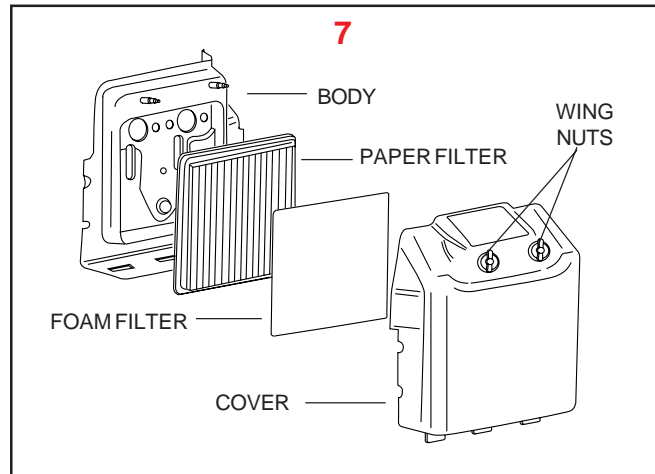
5
FILTER A (FOAM)
FILTER B (PLEATED PAPER)

POLY PAPER TRI-STAGE KLEEN-AIRE



6
COVER
PAPER FILTER
FOAM FILTER
BODY

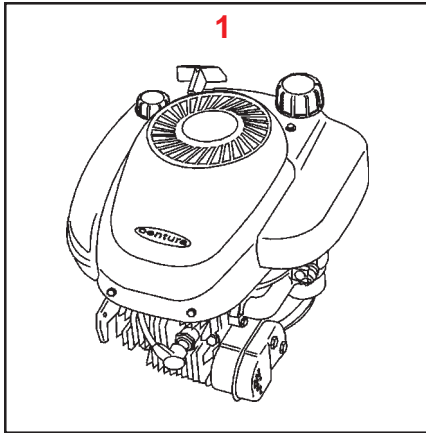
VERTICAL FULL-DRESS



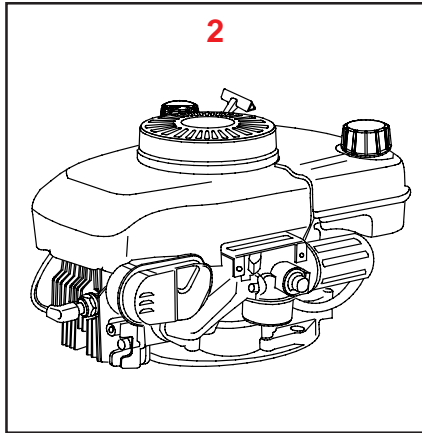
7
BODY
PAPER FILTER
FOAM FILTER
COVER
WING NUTS

TECUMSEH TWIN

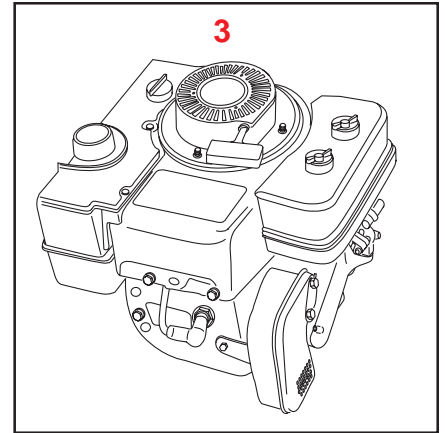
FUEL TANK MOUNTING



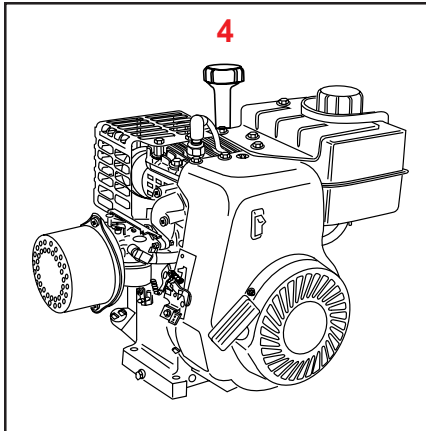
CENTURA® LE STYLE TANK



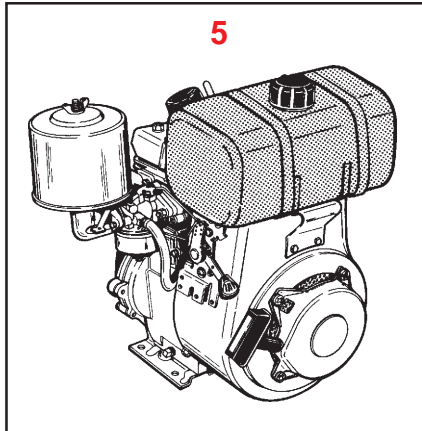
OPPOSITE SPARK PLUG



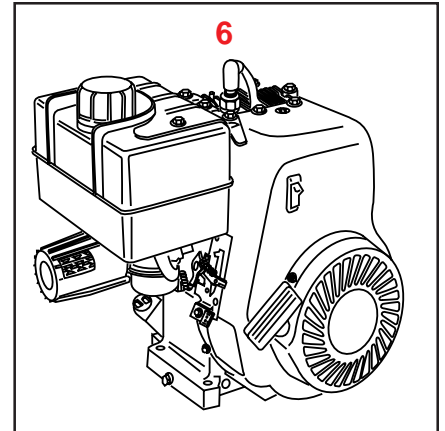
OPPOSITE CARBURETOR



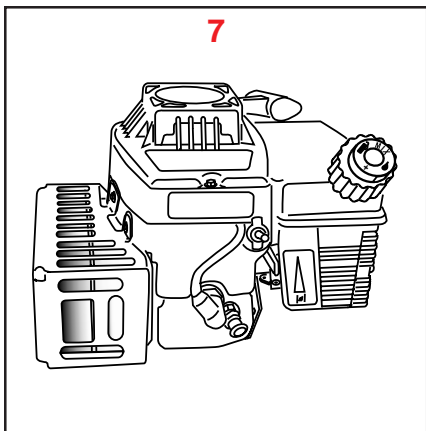
OPPOSITE CARBURETOR



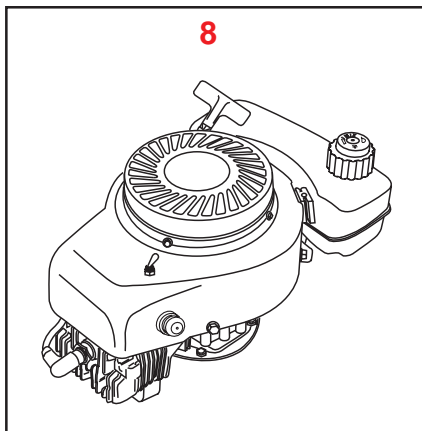
OVER RECOIL



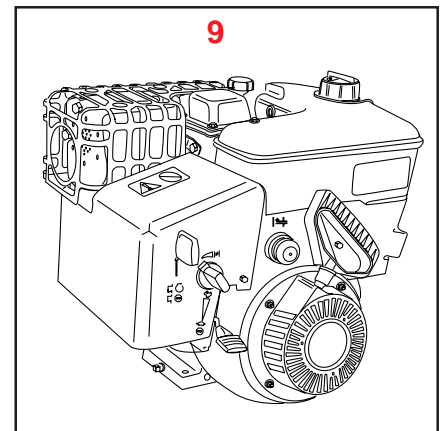
OVER CARBURETOR



TM049XA / TC TYPE II



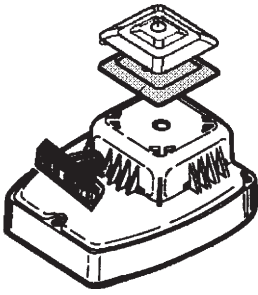
OPPOSITE SPARK PLUG



4 QUART STYLIZED TANK

ACCESSORIES

STARTER SCREENS



590710
590711
Can be used on TM049XA
(TC200/300)

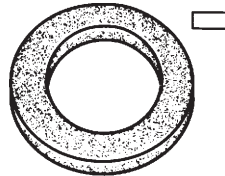


590570 - TM049XA
(TC200 & 300
TCH200 & 300)

RECREATIONAL VEHICLE SPEED CONTROLS

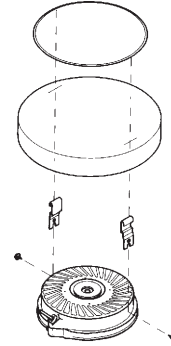
- 34652A - H35, Bottom Pull
- 34784 - HM80-100, Top Pull
- 35142 - H35, Top Pull Heavy Spring
- 36740A - OHH50-60
- 37827 - OH195EP with speed adjustment screw
- 730136A - H30, 35, 40, HS40, 50, Mini-Bike Top Pull

STARTER FILTER KITS (POLY)



730571
Can be used on TVS75, H35-H70
with stamped steel starter.

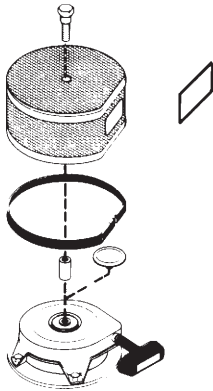
730572
Can be used on TVM170-
OVXL120, HM70-100 with die-
cast starter.



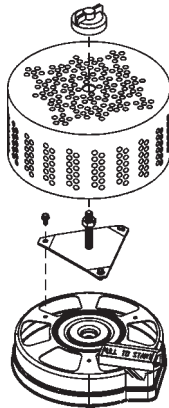
730604 used on TVS90-120,
TVS840, TVM125-140,
H30-H70 with E-Z pull starter.

730619 used on TVM,
TVXL195-220, HM70-100, OHM,
OVXL, OHV12 thru 125 with
E-Z pull starter.

DEBRIS SCREEN KITS

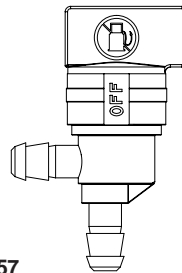


730573
Can be used on HM, TVM, TVXL,
OVM and OVXL with stamped
steel recoil starter.

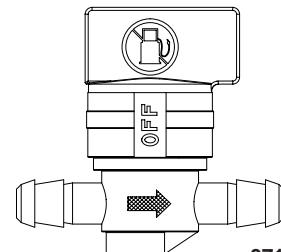


730627
Can be used on LEV, OVRM,
TVS75-120, TVS840 with E-Z pull
starter.

FUEL SHUT-OFF VALVES



35857



37147

CLIMATE GUARD KITS HM80-100



730630 - Complete dual stage A/C winter/summer
positions.



730643 - Carburetor cover with mounting hardware
for engines with oval-style A/C.



ACCESSORIES (Cont.)

WIRE HARNESS ADAPTERS

Effective with 2003 engine model year Tecumseh standardized all 8-25 H.P. vertical shaft engines to a 6-pin wiring harness connector. The Power Sport R.V. model engines have been converted to a 4-Spade connector.

The following assorted adapters are made available to assist in repower or installation of newer engines to older equipment.



611296 - Converts new style 6-pin connector to the older 3 Amp. D.C., 5 Amp A.C. (3/5), 2-pin connector.



611297 - Converts new style 6-pin connector to 16 Amp. D.C. single Pin connector.



611294 - Universal 6-pin connector with six (6) extra long, splice ready leads. Can be used to adapt the engine to virtually any application.



611300 - 3 Amp. A.C., 5 Amp. D.C. Universal 6-pin connector with three (3) extra long, splice ready wires to adapt the engine to virtually any 3/5 system.



611293 - Universal 4-spade terminal wiring harness equipped with extra long, splice ready leads to make repower and installation of newer engines on older product easy. This is designed for use on 3.5 -11 H.P. Horizontal Shaft Power Sport Model engines.

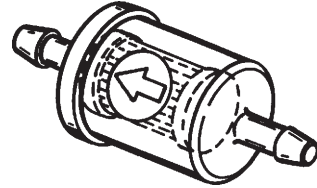
ACCESSORIES (Cont.)



611283 - Spark Plug Shield
Standard Plug



611284 - Spark Plug Shield
OHV Plug



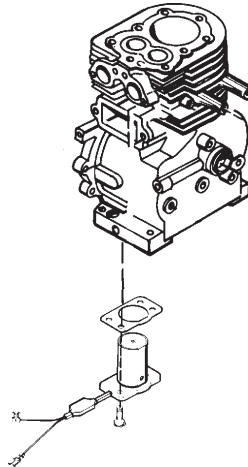
34279B - Fuel Filter - Paper element
37768 - Fuel Filter - Stainless Steel
screen

ENGINE OIL



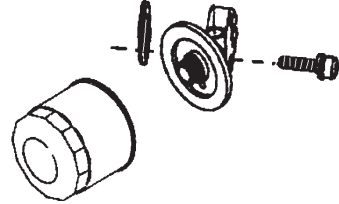
- 730225A - 4 cycle - SAE30 (1 qt.)
- 730226A - 4 cycle - SAE5W30 (1 qt.)
- 730227C - 2 cycle Synthetic Blend (5 oz.)
- 730238B - 4 cycle - SAE30 (20 oz.)
- 730256 - 4 cycle - SAE5W30 (20 oz.)

LOW OIL SHUTDOWN



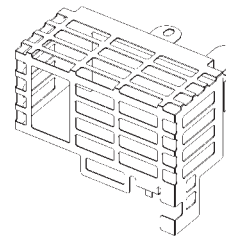
- 611206 - HM80, 90, 100 without light
- 611207 - OHH50, 55, 60
- 611220 - HM80, 90, 100 with light

OIL FILTER ADAPTER KIT



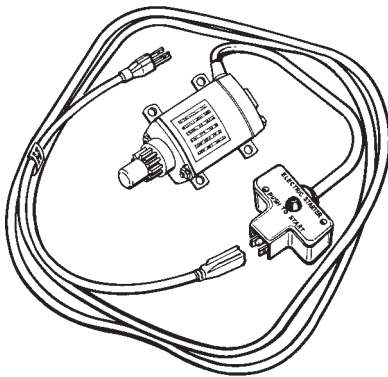
- 36435A - Can be used on OHV135-17.5
- 37744 - Non-tractor applications

HEAT SHIELDS



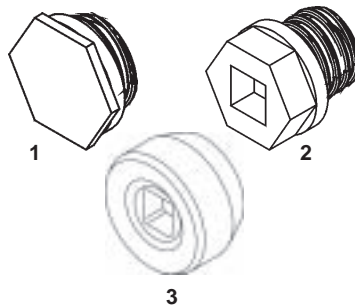
- 730622A - Kit, OHH Side and End
Discharge
- 730647 - OVRM Magna-Torque™
- 36090 - VLV Side Discharge
- 36197 - VLV Front (end)
Discharge
- 36293 - HSSK40-50
- 36294 - HMSK80-100
- 36510 - TVS Euro Style Side
Discharge
- 36799A - Can be used on HM80-
HM100
- 37352 - OHM120, OHSK90-130
- 36373 - OHV140-175

SNOW KING STARTER MOTOR KITS 110 - 120 VOLT



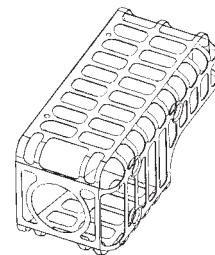
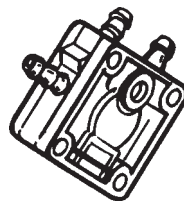
- 33290E - H30-35, HS40-50, HSK35,
HSSK40-50, OHSK50 - 55-60-70
 - 33328D - TVM125, TVM140, H50-60-70
 - 33329E - TVM170-220, HM70-100,
HMSK70-100
 - 37105 - OHM-OHSK110-120-130
220 Volt
 - 37217 - HSK35-40, HSSK50
OHSK50-55-60-70-75
 - 37102 - TVM220, HM70-100, HMSK70-100
- NOTE: Must have starter provisions to
install on engines.

BOTTOM OIL DRAIN PLUG



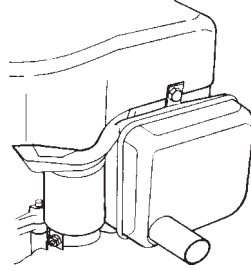
- 1 - 30572 - Steel
- 2 - 36083 - Plastic
- 3 - 37614 - Pipe Plug

PULSE FUEL PUMP 35787



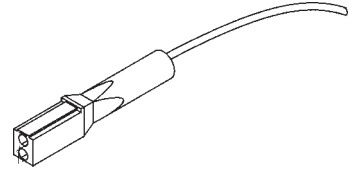
ACCESSORIES (Cont.)

MUFFLER

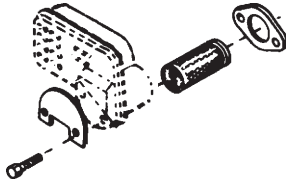


36372 - Can be used on OHV140-175.

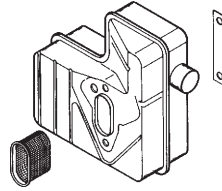
ELECTRIC CLUTCH WIRE FOR 3/5 SPLIT SYSTEM 36588



SPARK ARRESTOR KITS

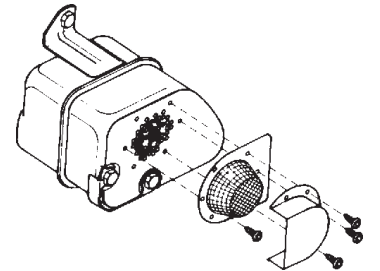


34427 - Can be used on TVM125-140, H50-60.
34479A - Can be used on TVM170-220, HM70-100, HHM80.

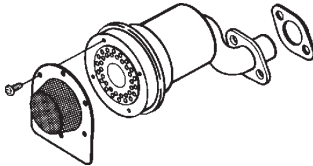


390309 - Can be used on TVS840 & TVXL840.

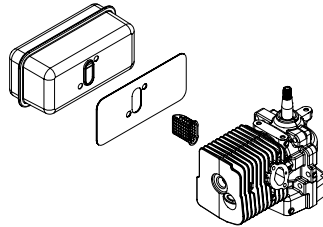
SPARK ARRESTOR SCREEN



35352 - Screen OHV11-13
35428 - Deflector OHV11-13

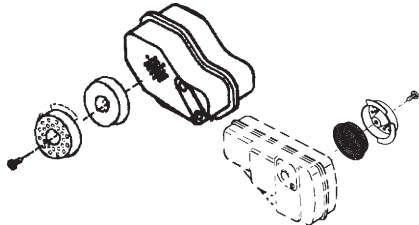
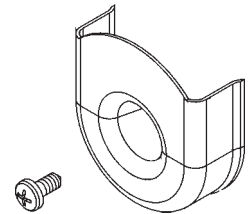


36220 - Muffler Quiet
35352 - Screen Kit
Can be used on H50 & H60.



390301A - Can be used on TC200/300, TCH200/300.

EXHAUST DEFLECTOR 36663

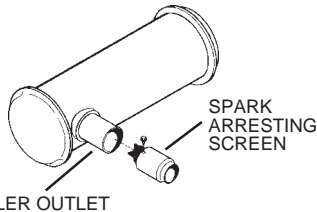


36085 - Can be used on TVS90-120.
Can be used on VLV50 - VLV60.



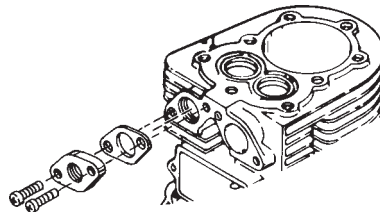
36411 - Can be used on OHV14 - OHV175.

LOW TONE MUFFLER



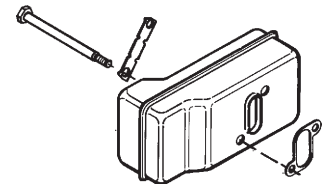
35824 - Can be used on TVM170-220, TVXL170-220, HM70-100, HMXL70-100. NOTE: Does not replace catalytic mufflers.
37350 - Can be used on HM80-100 generators without 730643 climate guard.

MUFFLER ADAPTER KIT



730130 - V, VH, H and HH40 thru 80, HM70-100
730162 - LAV and H25 thru 35
730165 - LAV50 and HS30 thru 50

BOLT ON MUFFLER



390322 - TC200 & 300
If cylinder is drilled and tapped.



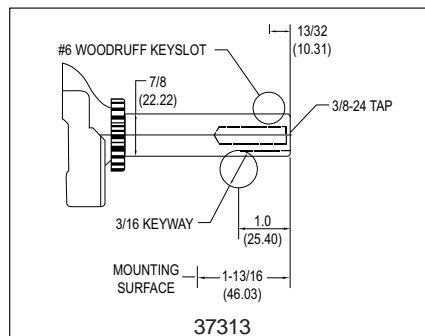
3.5 HORSEPOWER SMALL FRAME ROTARY LAWN MOWER/TRIMMER APPLICATIONS

MODEL	LEV80
HORSEPOWER	3.5 2.61 kW
BORE & STROKE	2.312 x 1.844 in. 58.73 x 46.84 mm
DISPLACEMENT	7.75 cu. in. 128 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	18.75 lbs. 8.5 kg
BOLT MTG. CIRCLE	8 in. 203 mm



FEATURES

- Lightweight L-head design.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Mechanical governor for instant response to changing load conditions.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Compliance Brake Service Part No.	Top Governed Speed	Note
804190	MTD	37313	Fixed Speed	37116/37117 (Poly) Ref. 1	Side & Bottom	1 qt. (.95 ltr.) Ref. 2	36559A (Reverse Pull)	3400	



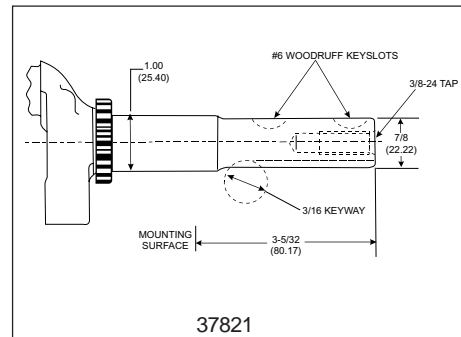
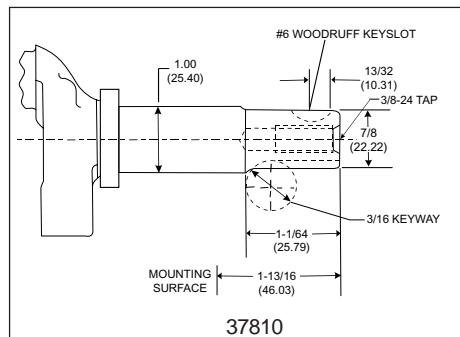
3.5 - 4.5 HORSEPOWER SMALL FRAME ROTARY LAWN MOWER/TRIMMER APPLICATIONS

MODEL	LV148EA, LEV90
HORSEPOWER	3.5 - 4.5 2.61 - 3.36 kW
BORE & STROKE	2.50 x 1.844 in. 63.50 x 46.84 mm
DISPLACEMENT	9.03 cu. in. 148 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	18.75 lbs. 8.5 kg
BOLT MTG. CIRCLE	8 in. 203 mm



FEATURES

- Lightweight L-head design.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Mechanical governor for instant response to changing load conditions.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Compliance Brake Service Part No.	Top Governed Speed	Note
804193	MTD	37810	Fixed Speed	35066 (Paper) Ref. 1	Side & Bottom	1.25 qt. (1.19 ltrs.) Ref. 2	36559A (Reverse Pull)	3200	
804220	MTD	37821	Fixed Speed	35066 (Paper) Ref. 1	Side & Bottom	1.25 qt. (1.19 ltrs.) Ref. 2	36559A (Reverse Pull)	3200	



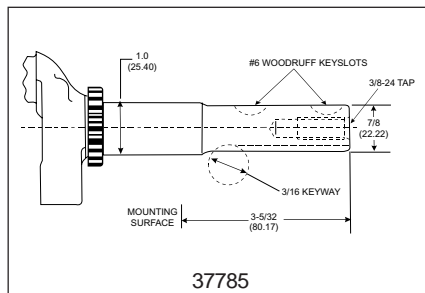
6.0 HORSEPOWER SMALL FRAME ROTARY LAWN MOWER APPLICATION

MODEL	LEV105
HORSEPOWER	6.0 4.47 kW
BORE & STROKE	2.795 x 1.938 in. 70.99 x 49.23 mm
DISPLACEMENT	11.90 cu. in. 195 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	18.75 lbs. 8.5 kg
BOLT MTG. CIRCLE	8 in. 203 mm



FEATURES

- Lightweight L-head design.
- Patented Easy Start Performance (ESP) technology ensures easy starting.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- Automotive-style paper element air filter gives you superior engine performance and protection.
- High oil fill with automotive-type dipstick.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Compliance Brake Service Part No.	Top Governed Speed	Note
805189	MTD	37785	Fixed Speed	36905 (Paper) Ref. 1	Side & Bottom	1 qt. (.95 ltr.) Ref. 2	36559A (Reverse Pull)	3300	

MTD shroud not included.



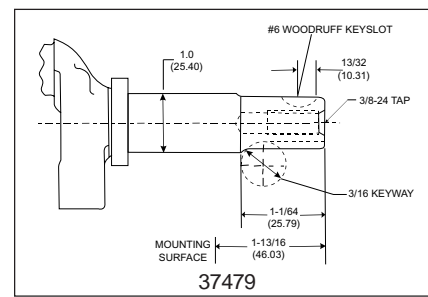
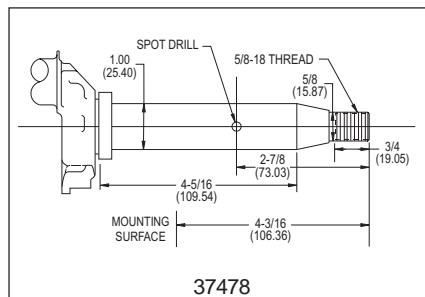
6.0 HORSEPOWER SMALL FRAME ROTARY LAWN MOWER APPLICATION

MODEL	LV195EA, LEV120
HORSEPOWER	6.0 4.47 kW
BORE & STROKE	2.795 x 1.938 in. 70.99 x 49.23 mm
DISPLACEMENT	11.90 cu. in. 195 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	18.75 lbs. 8.5 kg
BOLT MTG. CIRCLE	8 in. 203 mm



FEATURES

- Lightweight L-head design.
- Patented Easy Start Performance (ESP) technology ensures easy starting.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- Automotive-style paper element air filter gives you superior engine performance and protection.
- High oil fill with automotive-type dipstick.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Compliance Brake Service Part No.	Top Governed Speed	Note
806167B	Toro	37478	Remote Snap-In	35066 (Paper) Ref. 1	Bottom	1 qt. (.95 ltr.) Ref. 2	36559A (Reverse Pull)	3200	
806780	Standard	37479	Fixed Speed	36905 (Paper) Ref. 1	Bottom	1 qt. (.95 ltr.) Ref. 2	36559A (Reverse Pull)	3200	



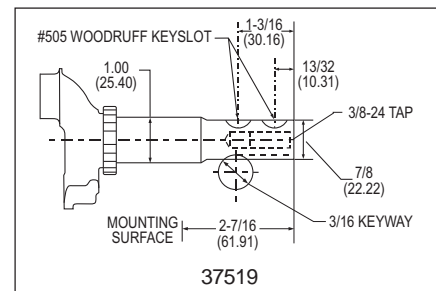
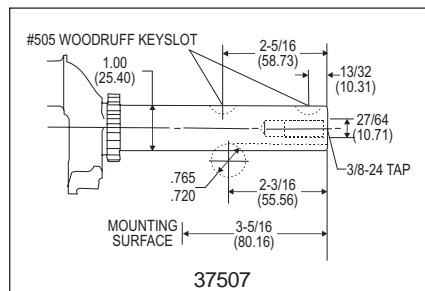
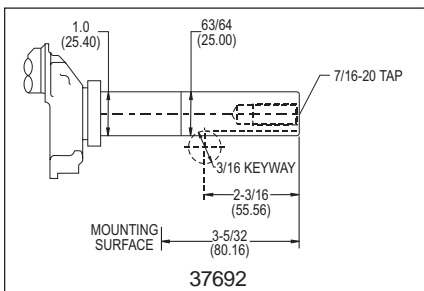
6.5 HORSEPOWER SMALL FRAME ROTARY LAWN MOWER APPLICATION

MODEL	LV195EA, LEV120
HORSEPOWER	6.5 4.47 kW
BORE & STROKE	2.795 x 1.938 in. 70.99 x 49.23 mm
DISPLACEMENT	11.90 cu. in. 195 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	18.75 lbs. 8.5 kg
BOLT MTG. CIRCLE	8 in. 203 mm



FEATURES

- Lightweight L-head design.
- Patented Easy Start Performance (ESP) technology ensures easy starting.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- Automotive-style paper element air filter gives you superior engine performance and protection.
- High oil fill with automotive-type dipstick.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Compliance Brake Service Part No.	Top Governed Speed	Note
806173A	Toro	37692	Fixed Speed	36905 (Paper) Ref. 1	Bottom	1.25 qt. (1.19 ltrs.) Ref. 2	36559A (Reverse Pull)	3050	†
806174A	Toro	37692	Fixed Speed	36905 (Paper) Ref. 1	Bottom	1 qt. (.95 ltrs.) Ref. 2	36559A (Reverse Pull)	3050	* †
806175	Service	37507	Manual	35066 (Paper) Ref. 1	Bottom	1.25 qt. (1.19 ltrs.) Ref. 2	36559A (Reverse Pull)	3750	
806708C	Standard	37519	Remote	36905 (Paper) Ref. 1	Bottom	1.25 qt. (1.19 ltrs.) Ref. 2		3750	g

* Equipped with electric starter motor.
† Plastic shroud not included.

g Heavy Flywheel



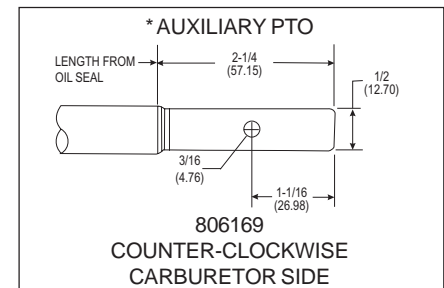
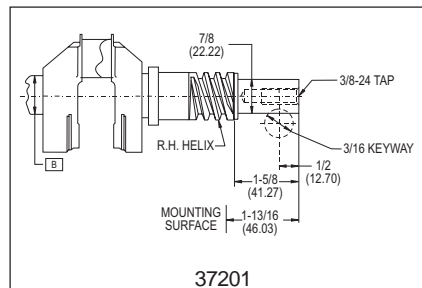
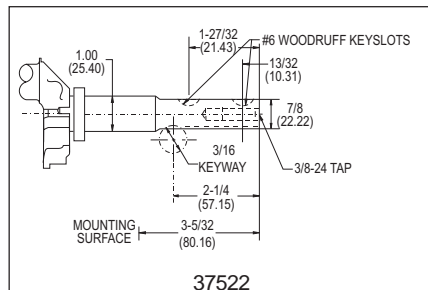
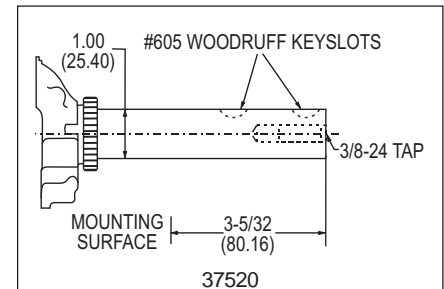
6.5 HORSEPOWER SMALL FRAME ROTARY LAWN MOWER APPLICATION

MODEL	OVRM120
HORSEPOWER	6.5 4.47 kW
BORE & STROKE	2.795 x 1.938 in. 70.99 x 49.23 mm
DISPLACEMENT	11.90 cu. in. 195 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	25.75 lbs. 11.6 kg
BOLT MTG. CIRCLE	8 in. 203 mm



FEATURES

- Lightweight L-head design.
- Patented Easy Start Performance (ESP) technology ensures easy starting.
- Full pressure lubrication system keeps all critical areas supplied with oil for longer engine life.
- Aluminized muffler protects against rust and keeps engine quieter, longer.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- Automotive-style paper element air filter gives you superior engine performance and protection.
- High oil fill with automotive-type dipstick.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Compliance Brake Service Part No.	Top Governed Speed	Note
806163D	Snapper	37520	Remote Snap-In	36905 (Paper) Ref. 1	Side & Bottom	1.5 qt. (1.43 ltrs.) Ref. 2	36559A (Reverse Pull)	3450	
806168B	Murray Home Depot - Scotts	37522	Manual Control	36905 (Paper) Ref. 1	Side & Bottom	1.5 qt. (1.43 ltrs.) Ref. 2	36559A (Reverse Pull)	3200	
806169	Murray	37201	Manual Control	36905 (Paper) Ref. 1	Side & Bottom	1.5 qt. (1.43 ltrs.) Ref. 2	36559A (Reverse Pull)	3200	*

* 8-1/2:1 Auxiliary P.T.O.



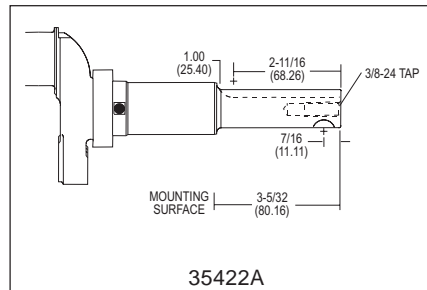
8.0 HORSEPOWER RIDER APPLICATION

MODEL	TVM220
HORSEPOWER	8.0 5.97 kW
BORE & STROKE	3.312 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in. 358 cc
OIL CAPACITY	32 oz. .94 ltr.
(APPROX.) WEIGHT	57 lbs. 25.9 kg
BOLT MTG. CIRCLE	8 & 10 in. 203 mm & 254 mm



FEATURES

- Cast Iron Cylinder Sleeve.
- Ultra-Balance® System.
- Paper Kleen-Aire System with Pre-Filter.
- Float Carburetor with Choke.
- Aluminized Muffler with Catalyst.
- Mechanical Governor.
- Electronic CDI Ignition.
- Positive Displacement Oil Pump.
- Oil Fill Tube with Dipstick.
- Mechanical Compression Release.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Starter	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
808770C	Snapper	35422A	3 Amp D.C.	Remote	†Electric Provisions w/Rewind	35403 (Paper) 35404 (Poly) Ref. 5	Side	None	3400
808771D	Toro	35422A	3 Amp D.C.	Remote	Electric Starter w/o Rewind	35403 (Paper) 35404 (Poly) Ref. 5	Dual Sides	None	3350
808772C	Ariens	35422A	3 Amp D.C.	Remote w/Override	Electric Starter w/Rewind	35403 (Paper) 35404 (Poly) Ref. 5	Side	3 qt. (2.85 ltrs.) Ref. 3	3250

† 36680 - 12 Volt electric starter can be installed.
33635C - Blower housing is needed to mount recoil starter.
NOTE: For replacements requiring 7/8" (22.22) diameter crankshaft, order 37660.



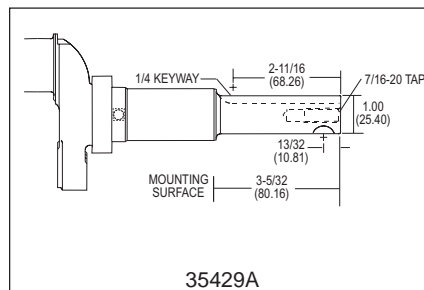
10.0 HORSEPOWER RIDER APPLICATION

MODEL	TVM220
HORSEPOWER	10.0 7.46 kW
BORE & STROKE	3.312 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in. 358 cc
OIL CAPACITY	32 oz. .94 ltr.
(APPROX.) WEIGHT	57 lbs. 25.9 kg
BOLT MTG. CIRCLE	8 & 10 in. 203 mm & 254 mm



FEATURES

- Low emission overhead valve design.
- KLEEN-AIRE® intake air cleaning system with paper air filter means less engine wear.
- Large 1.375" main bearings for smooth, long life.
- Ultra-Balance® low vibration system.
- 12 Volt electric starter.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Starter	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
810762C	Murray	35429A	3 Amp D.C.	Remote	Electric Starter w/o Rewind	35403 (Paper) 35404 (Poly) Ref. 5	Side	3 qt. (2.85 ltrs.) Ref. 3	3400
810763C	Murray	35429A	3 Amp D.C.	Remote w/Override	Electric Starter w/o Rewind	35403 (Paper) 35404 (Poly) Ref. 5	Side	3 qt. (2.85 ltrs.) Ref. 3	3400

33635C - Blower housing is needed to mount recoil starter composite with 8 studs.
NOTE: For replacements requiring 7/8" (22.22) diameter crankshaft, order 37660.



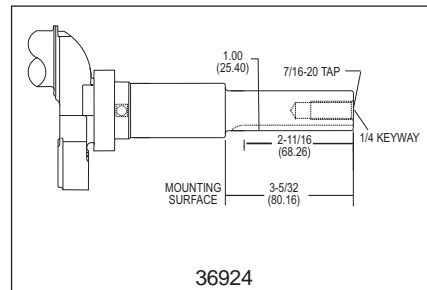
13.0, 13.5 HORSEPOWER OVERHEAD VALVE RIDER APPLICATION

MODEL	OV358EA, OHV130-135
HORSEPOWER	13.0, 13.5 9.69 kW
BORE & STROKE	3.312 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in. 358 cc
OIL CAPACITY	32 oz. 39 oz. w/oil filter .95 ltr. 1.17 ltrs.
(APPROX.) WEIGHT	64 lbs. 28.8 kg
BOLT MTG. CIRCLE	8 & 10 in. 203 mm & 254 mm



FEATURES

- Low emission overhead valve design.
- KLEEN-AIRE® intake air cleaning system with paper air filter means less engine wear.
- Large 1.375" main bearings for smooth, long life.
- Ultra-Balance® low vibration system.
- 12 Volt electric starter.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Starter	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Top Governed Speed	Notes
813700B	MTD	36924	3 Amp D.C. 5 Amp A.C.	Remote	Electric Starter	36356 (Paper) 36357 (Poly) Ref. 5	Side	3250	g
813701D	Swisher	36924	3 Amp D.C.	Remote	Electric Starter	36356 (Paper) 36357 (Poly) Ref. 5	Side	3600	g

- ^ Muffler omitted
- g Fuel tank omitted
- _ Rotary pump with oil filter.



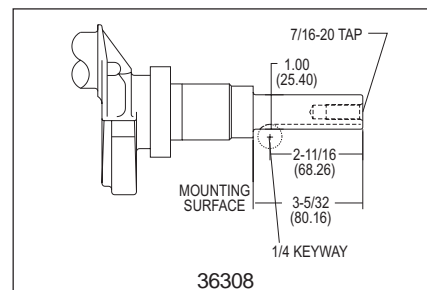
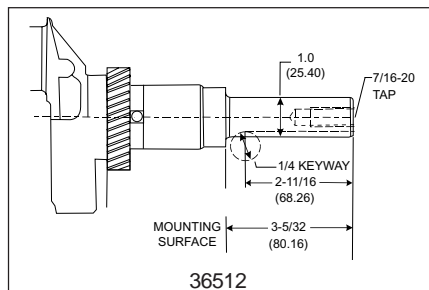
18.0 HORSEPOWER OVERHEAD VALVE RIDER APPLICATION

MODEL	OV490EA, OHV180	
HORSEPOWER	18.0	13.4 kW
BORE & STROKE	3.562 x 3.00 in. 90.48 x 76.6 mm	
DISPLACEMENT	29.9 cu. in. 490 cc	
OIL CAPACITY	55 oz.	62 oz. w/oil filter
	1.65 ltrs.	1.86 ltrs.
(APPROX.) WEIGHT	75 lbs. 33.8 kg	
BOLT MTG. CIRCLE	10 in. 254 mm	



FEATURES

- Automotive-style Gerotor pump lubrication keeps all bearing areas supplied with oil for longer engine life.
- Extra large 1.625" main bearings for smooth, long life.
- KLEEN-AIRE® intake air cleaning system with a paper air filter means less engine wear.
- Vertical crankshaft with counterclockwise rotation when viewed from power take-off end.
- 12 Volt electric starter.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Starter	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
818500A	Service Dual CB*	36512	3 Amp D.C. 5 Amp A.C.	Remote	Electric Starter w/o Rewind	36356 (Paper) 36357 (Poly) Ref. 5	Side	None	3450
818501A	Service Single CB*	36308	16 Amp D.C. w/Regulator	Remote	Electric Starter w/o Rewind	36356 (Paper) 36357 (Poly) Ref. 5	Side	None	3450

CB Counterbalance

_ 36435A - Oil filter can be installed.



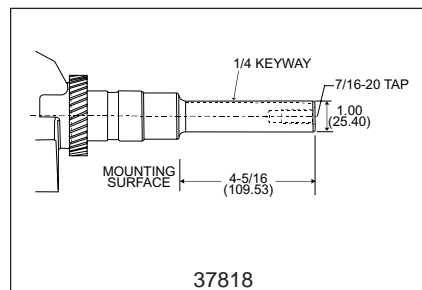
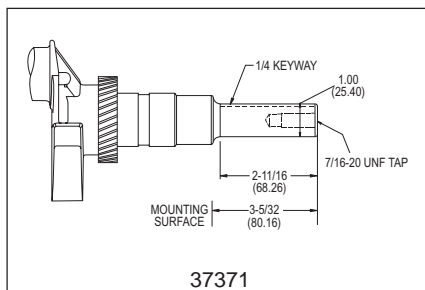
22.0 HORSEPOWER OVERHEAD VALVE RIDER APPLICATION

MODEL	OV691EA, TVT691	
HORSEPOWER	22.0	16.4 kW
BORE & STROKE	3.125 x 2.75 in. 79.38 x 69.85 mm	
DISPLACEMENT	42.18 cu. in. 691 cc	
OIL CAPACITY	72 oz.	80 oz. w/oil filter
(APPROX.) WEIGHT	90 lbs. 40.5 kg	
BOLT MTG. CIRCLE	10 in. 254 mm	



FEATURES

- Smooth, low vibration twin cylinder power.
- Automotive-style Gerotor oil pump lubrication system keeps all bearing areas supplied with oil for longer engine life.
- Dual carburetors.
- Vertical crankshaft with counterclockwise rotation when viewed from power take-off end.
- 12 Volt electric starter.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Starter	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
822500A	Standard	37371	3 Amp D.C. 5 Amp A.C.	Remote	Electric w/o Rewind	37360 (Paper) Ref. 7	Side	None	3350
822502	MTD	37371	16 Amp D.C. w/Regulator	Remote	Electric w/o Rewind	37360 (Paper) 37361 (Poly) Ref. 7	Side	None	3450
825500A	MTD	37818	16 Amp D.C. w/Regulator	Remote	Electric Starter w/o Rewind	37360 (Paper) 37361 (Poly) Ref. 7	Side	None	3450



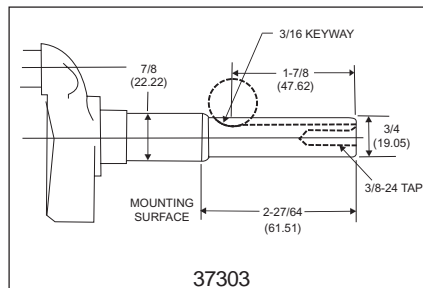
3.0 HORSEPOWER TILLER APPLICATION

MODEL	H30
HORSEPOWER	3.0 2.24 kW
BORE & STROKE	2.50 x 1.844 in. 63.51 x 46.84 mm
DISPLACEMENT	9.06 cu. in. 148 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	25 lbs. 11.34 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

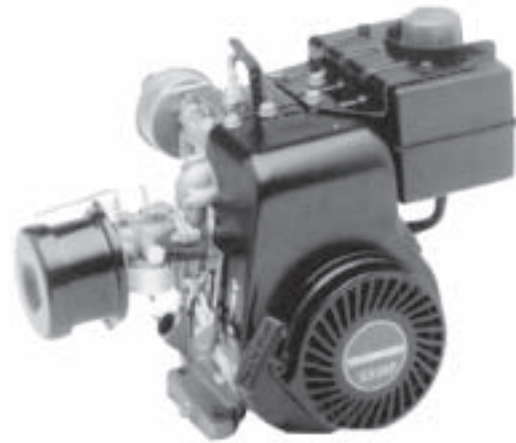


Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Exhaust Direction	Fuel Tank (pg. 3) Ref.No.	Top Governed Speed Ref. No.
903666A	Garden Way	37303	Remote/Manual Convertible	30727 (Paper) Ref. 1	Dual Sides	PTO Side	2 qt. (1.89 ltrs.) Ref. 5	3750



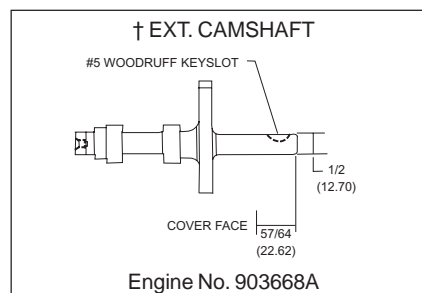
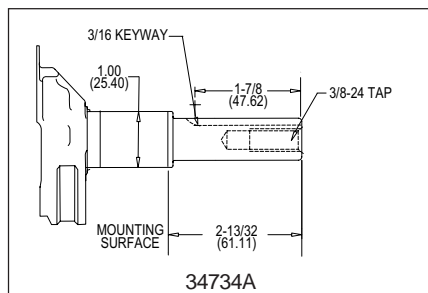
3.5 HORSEPOWER TILLER APPLICATION

MODEL	H35
HORSEPOWER	3.5 2.61 kW
BORE & STROKE	2.50 x 1.938 in. 63.51 x 49.23 mm
DISPLACEMENT	9.52 cu. in. 156 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	25 lbs. 11.34 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Exhaust Direction	Top Governed Speed	Note
903668A	Garden Way	34734A	Remote/Manual Convertible	30727 (Paper) Ref. 1	Dual Sides	2 qt. (1.89 ltrs.) Ref. 4	PTO Side	3750	†

† 2:1 Extended camshaft.



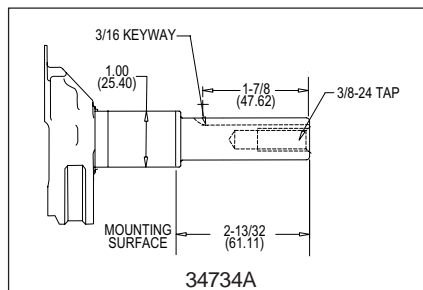
3.5 HORSEPOWER MINI-BIKE APPLICATION

MODEL	H35
HORSEPOWER	3.5 2.61 kW
BORE & STROKE	2.50 x 1.938 in. 63.51 x 49.23 mm
DISPLACEMENT	9.52 cu. in. 156 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	25 lbs. 11.34 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Exhaust Direction	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
903451B	Standard	34734A	Mini-Bike (Remote)	30727 (Paper) 35974 (Poly) Ref. 1	Dual Sides	Carb. Side	2 qt. (1.89 ltrs.) Ref. 4	4000



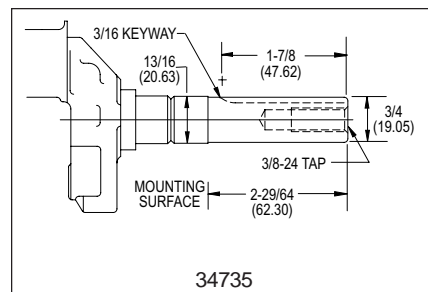
4.0 HORSEPOWER MINI-BIKE APPLICATION

MODEL	H40
HORSEPOWER	4.0 2.61 kW
BORE & STROKE	2.50 x 1.938 in. 63.51 x 49.23 mm
DISPLACEMENT	9.52 cu. in. 156 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	25 lbs. 11.34 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Exhaust Direction	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
904416B	Standard	34735	Mini-Bike (Remote)	30727 (Paper) 35974 (Poly) Ref. 1	Dual Sides	Carb. Side	2 qt. (1.89 ltrs.) Ref. 4	4000



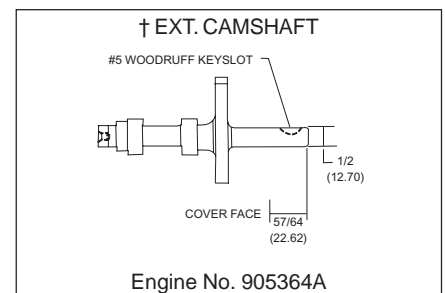
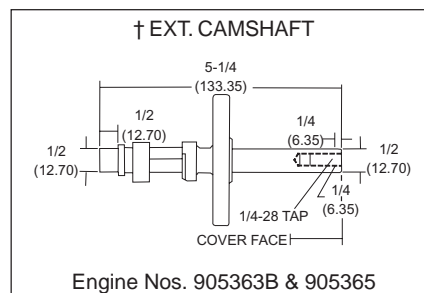
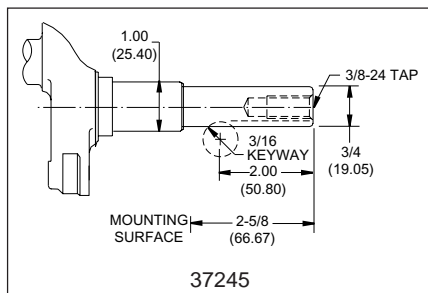
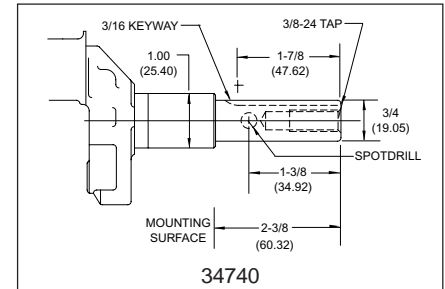
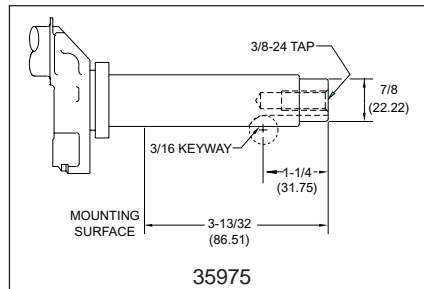
5.0 HORSEPOWER WINTER APPLICATION

MODEL	LH195SA, HSSK50
HORSEPOWER	5.0 3.73 kW
BORE & STROKE	2.795 x 1.938 in. 70.99 x 49.23 mm
DISPLACEMENT	11.88 cu. in. 195 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	33 lbs. 15.0 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Provisions for Electric Starter	Controls	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed	Note
905363B	MTD	35975	X *	Remote/Manual Convertible	Dual Sides & Front	2 qt. (1.89 ltrs.) Ref. 4	3750	†
905364A	Standard	34740	X *	Remote/Manual Convertible	Dual Sides & Front	2 qt. (1.89 ltrs.) Ref. 4	3750	†
905365	Standard	35975	X *	Remote/Manual Convertible	Dual Sides & Front	2 qt. (1.89 ltrs.) Ref. 4	3750	†
905367	Murray	37245	X *	Remote/Manual Convertible	Dual Sides & Front	2 qt. (1.89 ltrs.) Ref. 4	3750	

* 33290E - 120 Volt electric starter can be installed.

† 2:1 Extended camshaft.



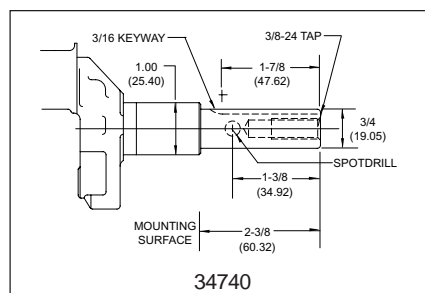
5.5 HORSEPOWER OVERHEAD VALVE UTILITY APPLICATION

MODEL	OH195EA, OHH55
HORSEPOWER	5.5 4.10 kW
BORE & STROKE	2.795 x 1.938 in. 70.99 x 49.23 mm
DISPLACEMENT	11.88 cu. in. 195 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	30 lbs. 13.5 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- KLEEN-AIRE® filtration system pre-cleans air for superior performance and extended life.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
905242D	Standard	34740	Manual/Remote Convertible	36046 (Paper) Ref. 1	Dual Side & Front	3 qt. (2.85 ltrs.) Ref. 4	3750



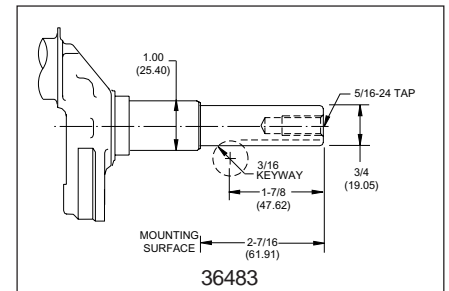
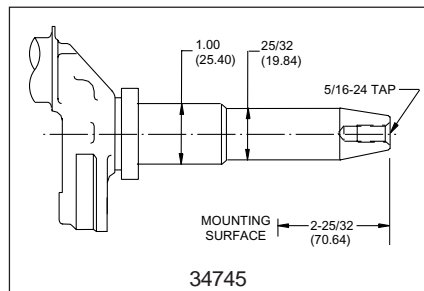
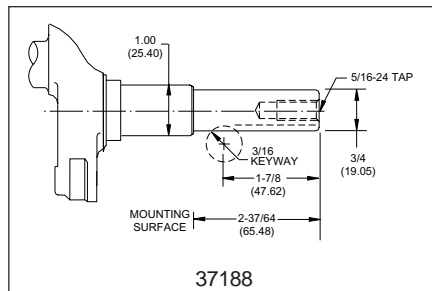
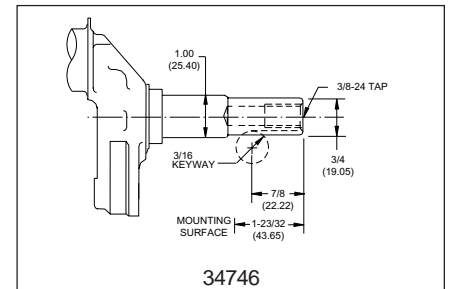
6.0 HORSEPOWER OVERHEAD VALVE VARIOUS APPLICATIONS

MODEL	OH195EA, OHH60
HORSEPOWER	6.0 4.10 kW
BORE & STROKE	2.795 x 1.938 in. 70.99 x 49.23 mm
DISPLACEMENT	11.88 cu. in. 195 cc
OIL CAPACITY	21 oz. .62 ltr.
(APPROX.) WEIGHT	30 lbs. 13.5 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- KLEEN-AIRE® filtration system pre-cleans air for superior performance and extended life.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.

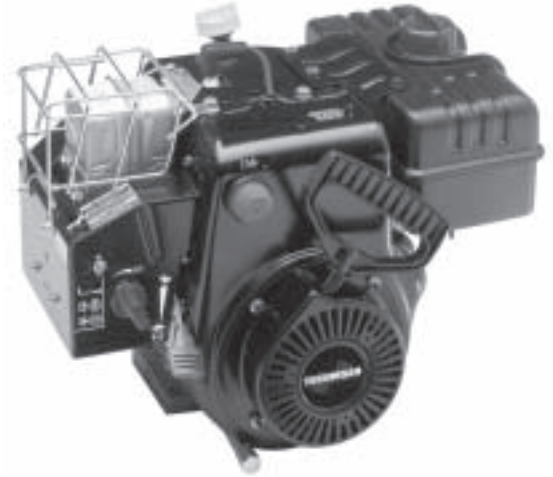


Part Number	Customer	Crankshaft Service Part No.	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
906221C	Murray	37188	RV Control	36046 (Paper) 36634 (Poly) Ref. 1	Dual Side & Front	3 qt. (2.85 ltrs.) Ref. 4	3350
906222B	Generac	34745	Fixed Speed	36046 (Paper) Ref. 1	Dual Side & Front	3 qt. (2.85 ltrs.) Ref. 4	3900
906223D	Murray	36483	RV Control	36046 (Paper) 36634 (Poly) Ref. 1	Dual Side & Front	3 qt. (2.85 ltrs.) Ref. 4	3350
906604	MTD	34746	Manual	36046 (Paper) Ref. 1	Dual Side & Front	3 qt. (2.85 ltrs.) Ref. 4	3750



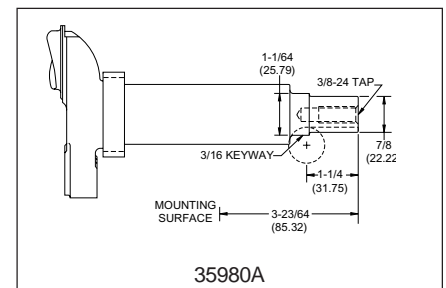
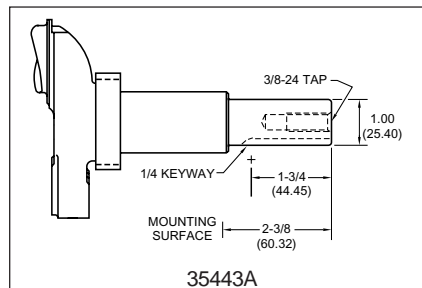
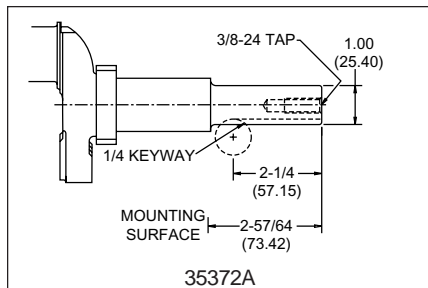
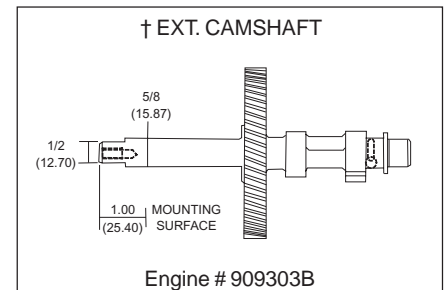
9.0 HORSEPOWER WINTER APPLICATION

MODEL	LH318SA, HMSK90
HORSEPOWER	9.0 5.97 kW
BORE & STROKE	3.125 x 2.532 in. 79.38 x 64.31 mm
DISPLACEMENT	19.43 cu. in. 318 cc
OIL CAPACITY	26 oz. .77 ltr.
(APPROX.) WEIGHT	55 lbs. 25.0 kg
BOLT MTG. CIRCLE	3.625 & 5 in. 90 mm & 130 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Provisions for Electric Starter	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
909300A	Standard	35372A	3 Amp A.C.	Manual	x *	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3450
909301A	Standard	35443A		Manual	x *	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3250
909303B	MTD †	35980A	18 Watt	Manual	x *	Front Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3600

* 33329E - 120 Volt electric starter can be installed.

† 2:1 Extended camshaft



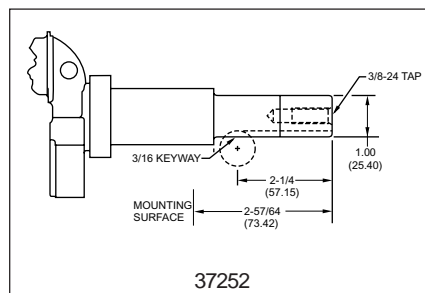
9.0 HORSEPOWER OVERHEAD VALVE WINTER APPLICATION

MODEL	OH318SA, OHSK90
HORSEPOWER	9.0 6.71 kW
BORE & STROKE	3.125 x 2.532 in. 79.38 x 64.31 mm
DISPLACEMENT	19.43 cu. in. 318 cc
OIL CAPACITY	26 oz. .77 ltr.
(APPROX.) WEIGHT	60 lbs. 27.2 kg
BOLT MTG. CIRCLE	3.625 & 5 in. 90 mm & 130 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Provisions for Electric Starter	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
909302B	Standard	37252	18 Watt	Manual	X *	Dual Side	1 Gallon (3.8 ltrs.) Ref. 9	3600

* 33329E - 120 Volt electric starter can be installed.



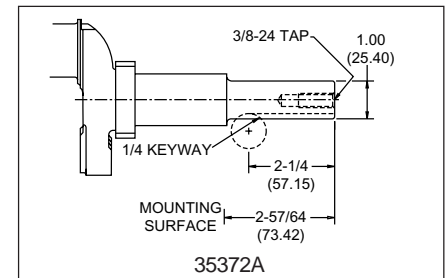
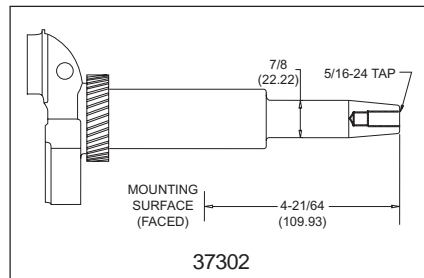
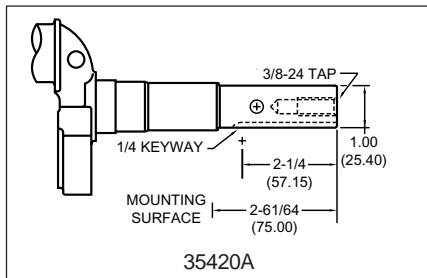
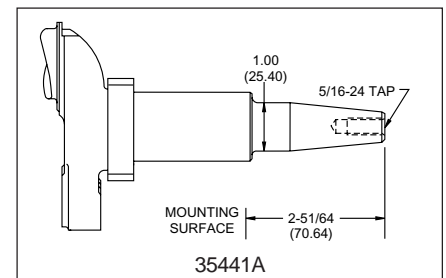
10.0 HORSEPOWER MEDIUM FRAME

MODEL	HM100
HORSEPOWER	10.0 7.46 kW
BORE & STROKE	3.125 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in. 358 cc
OIL CAPACITY	26 oz. .77 ltr.
(APPROX.) WEIGHT	56 lbs. 25.45 kg
BOLT MTG. CIRCLE	3.625 & 5 in. 90 mm & 130 mm



FEATURES

- Soft-pull recoil starter for easy starts.
- Electronic capacitor discharge ignition (CDI) system for easy starting, even at low pulling speeds.
- Polyethylene fuel tank prevents rust and features a large, easy-fill opening.
- Aluminized muffler resists corrosion so engine remains quieter longer.
- Certified to EPA Phase II, CARB Tier II standards.
- Two-year warranty.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Starter	Air Cleaner Style (pg. 2) Service Part No.	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
910206B	MTD Ltd. BB	35420A		Manual	Rewind	34700B (Paper) 34703 (Poly) Ref. 4	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3400
910207B	Standard	35372A		Manual	* Electric Provisions w/Rewind	33268 (Paper) Ref. 1	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3600
910263D	Coleman g	35441A		Fixed Speed	* Electric Provisions w/Rewind	34700B (Paper) 34703 (Poly) Ref. 4	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3600
910265D	Devilbiss † g	37302		Fixed Speed	Rewind	34700B (Paper) 34703 (Poly) Ref. 4	Dual Side	None	3750

* 36680 - 12 Volt electric starter can be installed.

† Low oil shutdown.

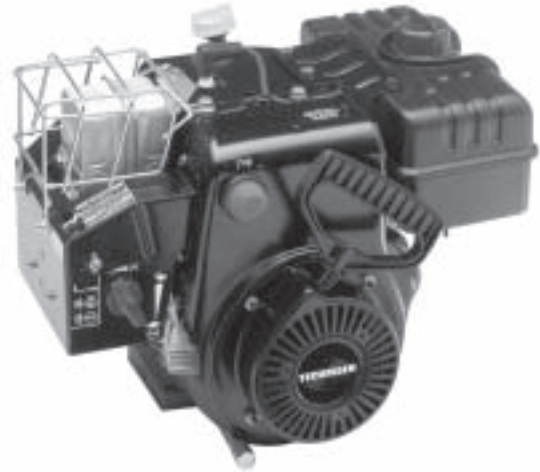
g Climate guard.

BB Ball Bearing



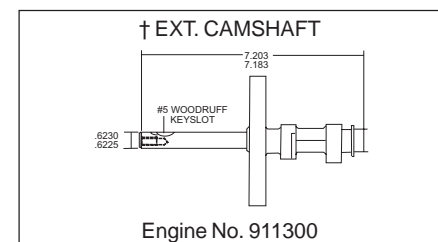
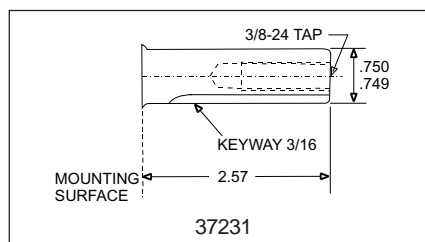
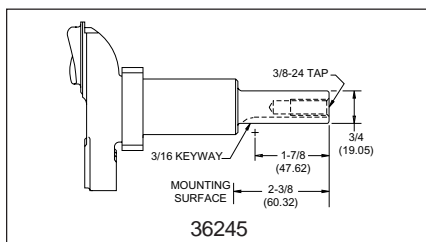
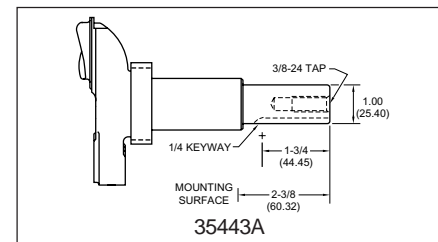
11.0 HORSEPOWER WINTER APPLICATION

MODEL	LH358SA, HMSK110
HORSEPOWER	11.0 7.46 kW
BORE & STROKE	3.312 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in. 358 cc
OIL CAPACITY	26 oz. .77 ltr.
(APPROX.) WEIGHT	56 lbs. 25.45 kg
BOLT MTG. CIRCLE	3.625 90 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



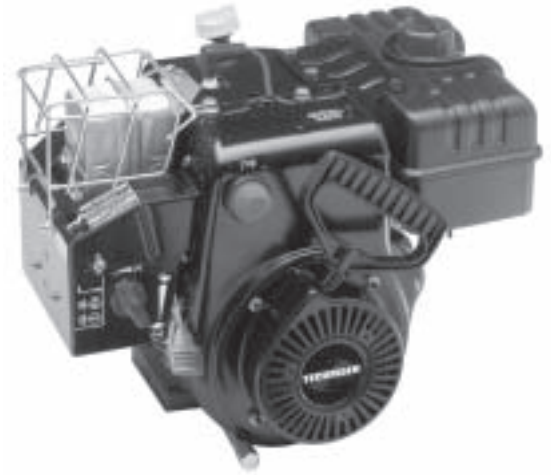
Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed	Notes
911300B	Standard	36245	18 Watt	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3450	E †
911301B	Standard	35443A	3 Amp A.C.	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3250	E
911304B	Standard	36245	18 Watt	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3600	E
911305B	Standard	35443A	18 Watt	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3450	E
911307	Standard	37231	18 Watt	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3600	E

E 33329E - 120 volt electric starter can be installed.
† 2:1 extended camshaft



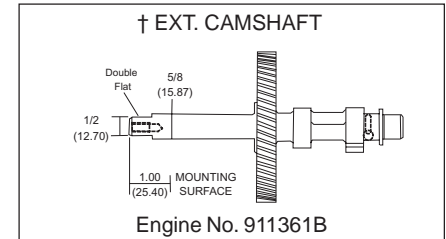
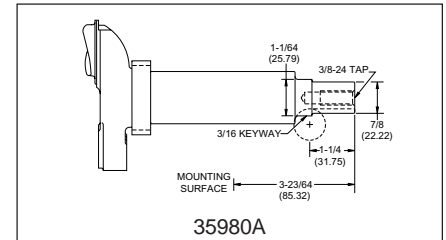
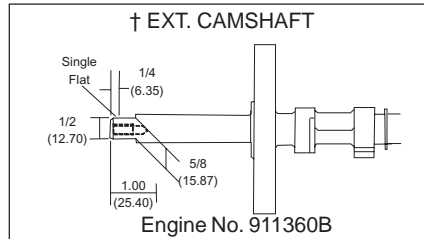
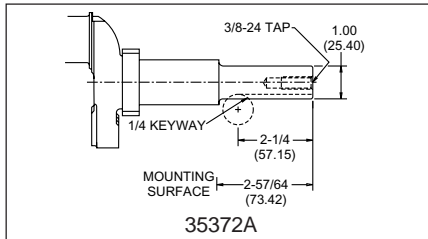
11.0 HORSEPOWER WINTER APPLICATION

MODEL	LH358SA, HMSK110
HORSEPOWER	11.0 7.46 kW
BORE & STROKE	3.312 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in. 358 cc
OIL CAPACITY	26 oz. .77 ltr.
(APPROX.) WEIGHT	56 lbs. 25.45 kg
BOLT MTG. CIRCLE	3.625 90 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed	Notes
911302B	Standard	35372A	18 Watt	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3450	E
911303B	Standard	35372A	3 Amp A.C.	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3450	E
911360B	MTD LTD.	35980A	18 Watt	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3600	E †
911361B	Standard	35980A	18 Watt	Manual	Dual Side	4 qt. (3.79 ltrs.) Ref. 4	3600	E †

E 33329E - 120 Volt electric starter can be installed.

† 2:1 extended camshaft



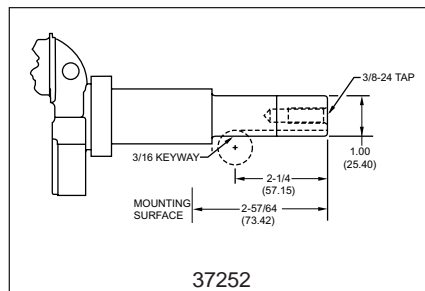
11.0 HORSEPOWER OVERHEAD VALVE WINTER APPLICATION

MODEL	OH318SA, OHSK110
HORSEPOWER	11.0 8.20 kW
BORE & STROKE	3.125 x 2.532 in. 79.38 x 64.31 mm
DISPLACEMENT	19.43 cu. in. 318 cc
OIL CAPACITY	26 oz. .77 ltr.
(APPROX.) WEIGHT	60 lbs. 27.2 kg
BOLT MTG. CIRCLE	5 & 6.5 in. 130 mm & 170 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life. (Enduro® XL only)
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Provisions for Electric Starter	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
911306C	Standard	37252	18 Watt	Manual	X *	Dual Side	1 Gallon (3.8 ltrs.) Ref. 9	3600

* 33329E - 120 Volt electric starter can be installed.



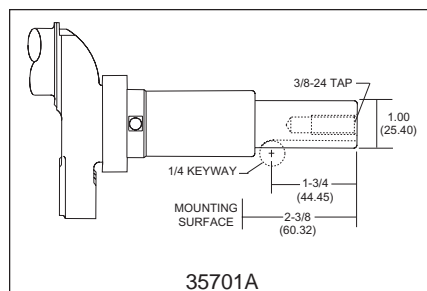
12.0 HORSEPOWER OVERHEAD VALVE WINTER APPLICATION

MODEL	OH358SA, OHSK120
HORSEPOWER	12.0 8.95 kW
BORE & STROKE	3.312 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in.. 358 cc
OIL CAPACITY	26 oz. .77 ltr.
(APPROX.) WEIGHT	60 lbs. 27.2 kg
BOLT MTG. CIRCLE	5 & 6.5 in. 130 mm & 170 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Provisions for Electric Starter	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
912301B	Standard	35701A	18 Watt	Manual	X *	Dual Side	6 qt. (5.7 ltrs.) Ref. 4	3600

* 37105 - 120 volt electric starter can be installed.



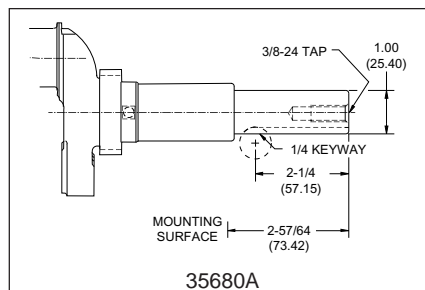
13.0 HORSEPOWER OVERHEAD VALVE WINTER APPLICATION

MODEL	OH358SA, OHSK130
HORSEPOWER	13.0 9.7 kW
BORE & STROKE	3.312 x 2.532 in. 84.13 x 64.31 mm
DISPLACEMENT	21.82 cu. in. 358 cc
OIL CAPACITY	28 oz. .83 ltr.
(APPROX.) WEIGHT	60 lbs. 27.2 kg
BOLT MTG. CIRCLE	5 & 6.5 in. 130 mm & 170 mm



FEATURES

- Manual choke and easy start primer give fast, reliable starts on the coldest days.
- Winter Engineered® to prevent ice buildup and engine shut downs.
- Cast iron cylinder sleeve for extended engine life.
- Premium mechanical governor provides positive, instant response to changing load conditions.
- High oil fill with automotive-type dipstick.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Charging System	Controls	Provisions for Electric Starter	Oil Drain	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
913300B	Standard	35680A	18 Watt	Manual	X *	Dual Side	1 Gallon (3.8 ltrs.) Ref. 9	3600

* 37105 - 120 Volt electric starter can be installed.



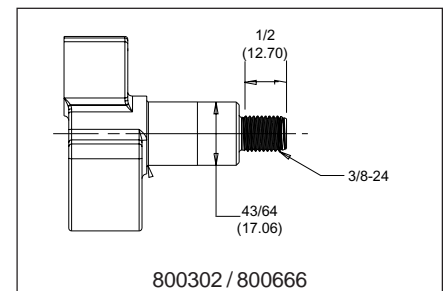
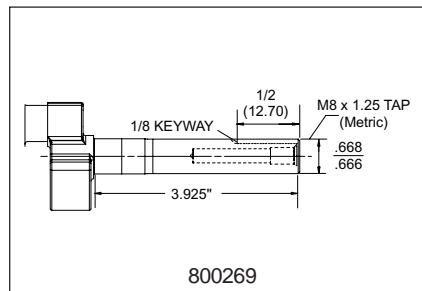
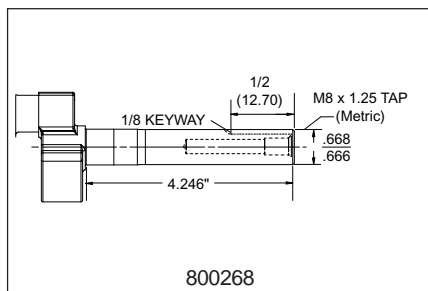
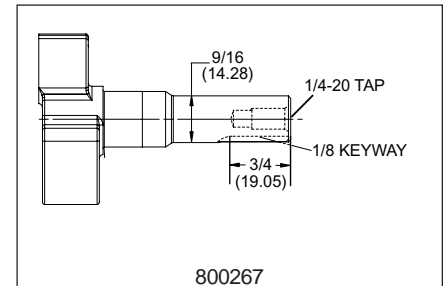
2.0 HORSEPOWER TWO CYCLE MULTI APPLICATIONS

MODEL	TM049XA, TC300
HORSEPOWER	2.0 1.49 kW
BORE & STROKE	1.75 x 1.25 in. 44.43 x 31.7 mm
DISPLACEMENT	3.0 cu. in.. 49.2 cc
OIL / FUEL MIXTURE	24:1
(APPROX.) WEIGHT	7 lbs. 3.2 kg



FEATURES

- Engineered for hand-held applications such as ice and earth augers, mini cultivators, tree pruners, brush cutters and power sprayers.
- Excellent starting, power and performance in cold weather.
- Electronic capacitor discharge ignition system provides starting voltage at low RPM.
- Balanced distribution of weight with minimal vibration ensures stability and durability.
- Load-responsive governor maintains engine speed during changing load conditions and prevents engine overspeeding.
- No-rust polyethylene fuel tank reduces condensation and won't dent or rust.
- Certified to EPA Phase II standards.



Part Number	Customer	Controls	Air Cleaner Style (pg. 2) Service Part No. Ref. No.	Carburetor	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed +/- 200	Note
800267	Active Technology	Remote	450255 (Flocked Screen) 450252 (Poly) Ref. 3	Diaphragm w/Choke	20 oz. (600 ml) Ref. 7	6000	Long Base
800268	Flymo	Remote	450255 (Flocked Screen) 450252 (Poly) Ref. 3	Diaphragm w/Primer	20 oz. (600 ml) Ref. 7	5500	Short Base
800269	Flymo	Remote	450255 (Flocked Screen) 450252 (Poly) Ref. 3	Diaphragm w/Primer	20 oz. (600 ml) Ref. 7	3800	Short Base
800302	Feldman Ardisam Strikemaster	Remote	450255 (Flocked Screen) 450252 (Poly) Ref. 3	Diaphragm w/Choke	20 oz. (600 ml) Ref. 7	6000	Long Base
800666	Hoffco	Remote	450255 (Flocked Screen) 450252 (Poly) Ref. 3	Diaphragm w/Choke	20 oz. (600 ml) Ref. 7	5200	Short Base



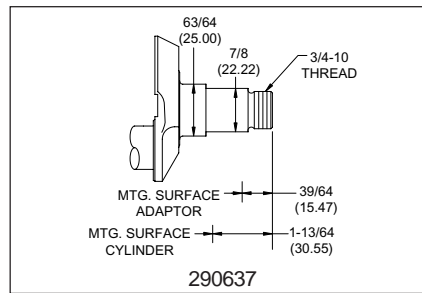
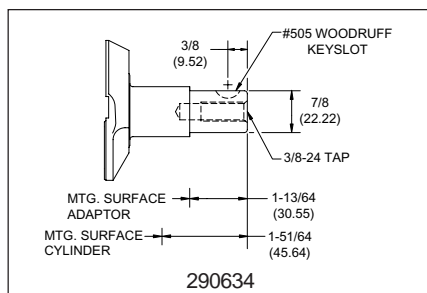
3.0 HORSEPOWER TWO CYCLE VARIOUS APPLICATIONS

MODEL	TV085XA, AV520
HORSEPOWER	3.0 2.24 kW
BORE & STROKE	2.09 x 1.50 in. 53 x 38 mm
DISPLACEMENT	5.2 cu. in. 85 cc
OIL / FUEL MIXTURE	24:1
(APPROX.) WEIGHT	13.2 lbs. 5.9 kg
BOLT MTG. CIRCLE	4.0 in. 102 mm



FEATURES

- Engineered for hand-held applications such as ice and earth augers, mini cultivators, tree pruners, brush cutters and power sprayers.
- Excellent starting, power and performance in cold weather.
- Electronic capacitor discharge ignition system provides starting voltage at low RPM.
- Balanced distribution of weight with minimal vibration ensures stability and durability.
- Load-responsive governor maintains engine speed during changing load conditions and prevents engine overspeeding.
- No-rust polyethylene fuel tank reduces condensation and won't dent or rust.
- Certified to EPA Phase II standards.



Part Number	Customer	Application	Crankshaft Service No. Part No.	Controls	Air Cleaner Style (pg 2.) Service Part No. Ref. No.	Fuel Tank (pg. 3) Ref. No.	Top Governed Speed
800265B	Feldman	Auger	290634	Remote	None	1 qt. (.95 ltr.) Ref. 8	4500
800266A	Hoffco	Scythe	290637	Remote	450205 (Flocked Screen) 450215 (Poly) Ref. 2	None	4800



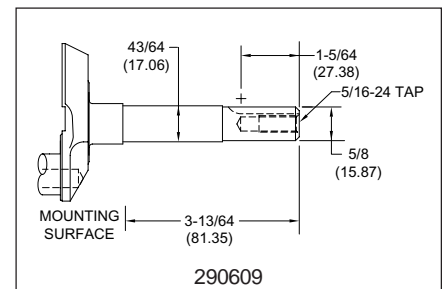
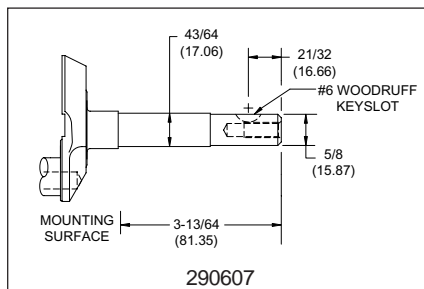
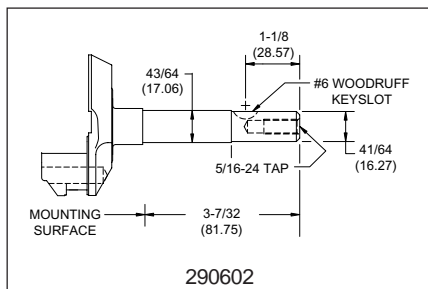
3.0 HORSEPOWER TWO CYCLE WINTER APPLICATION

MODEL	TH098SA, HSK600
HORSEPOWER	3.0 2.24 kW
BORE & STROKE	2.09 x 1.75 in. 53 x 44 mm
DISPLACEMENT	6.0 cu. in. 98 cc
OIL / FUEL MIXTURE	50:1
(APPROX.) WEIGHT	12 lbs. 5.44 kg



FEATURES

- Manual choke with remote primer for reliable starts.
- Moisture sealed electronic capacitor discharge ignition (CDI) system, and freeze-resistant easy-pull recoil starter.
- Dependable fixed speed gets you right to work.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Provisions for Electric Start	Controls	Top Governed	Notes
900390B	MTD Mont. Ward	290609	X *	Fixed Speed	4700	g
900392B	Toro	290602	X *	Fixed Speed	4700	g
900393A	Murray	290607	X *	Fixed Speed	4500	g
900396A	Snapper	290602	X *	Fixed Speed	4500	g

* 590556 - 120 Volt electric starter kit can be installed.

g Fuel tank omitted.



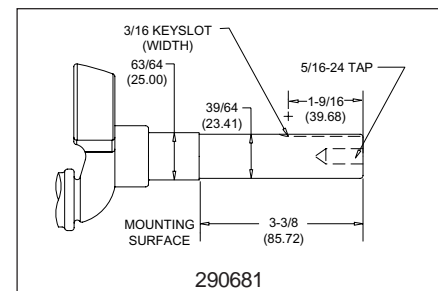
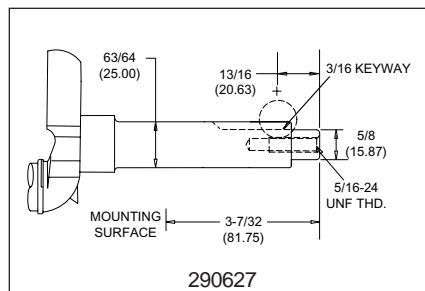
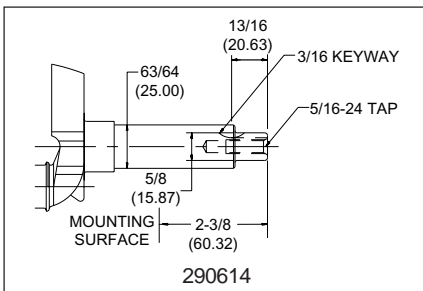
4.5 HORSEPOWER TWO CYCLE WINTER APPLICATION

MODEL	TH139SA, HSK845
HORSEPOWER	4.5 3.35 kW
BORE & STROKE	2.437 x 1.812 in. 61.9 x 46 mm
DISPLACEMENT	8.46 cu. in. 139 cc
OIL / FUEL MIXTURE	50:1
(APPROX.) WEIGHT	20 lbs. 9.1 kg
BOLT MTG. CIRCLE	3.625 in. 90 mm



FEATURES

- Manual choke with remote primer for reliable starts.
- Moisture sealed electronic capacitor discharge ignition (CDI) system, and freeze-resistant easy-pull recoil starter.
- Dependable fixed speed gets you right to work.
- Two-year warranty with ten years on electronic ignition.



Part Number	Customer	Crankshaft Service Part No.	Provisions for Electric Starter	Controls	Top Governed Speed	Notes
900394B	MTD	290614	X *	Fixed Speed	3800	g
900395	Toro	290681	X *	Fixed Speed	3850	g
900397B	Service	290627	X *	Fixed Speed	4000	g

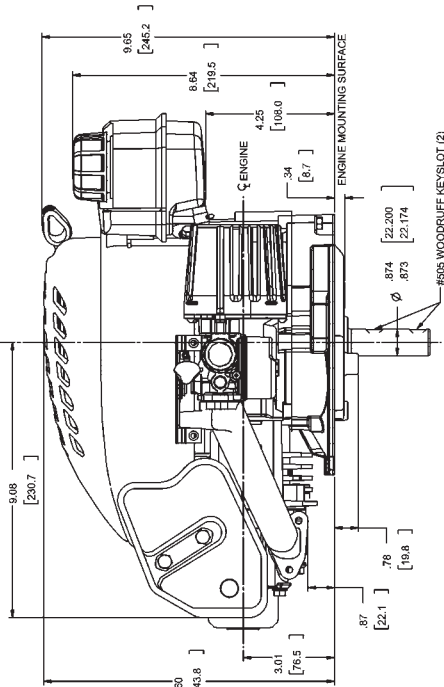
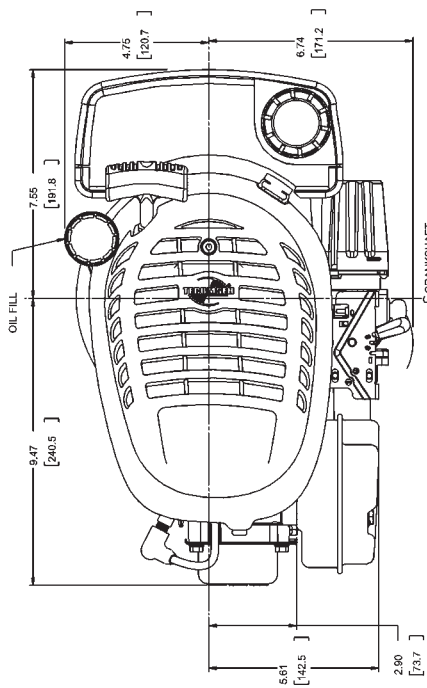
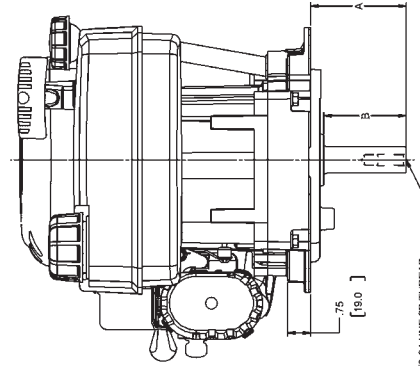
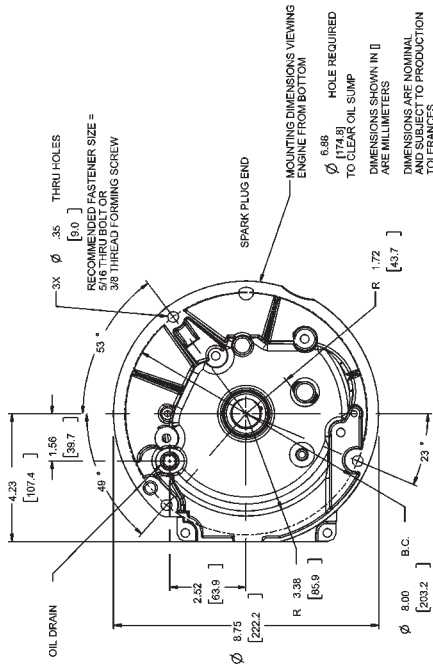
* 590670 - 120 Volt electric starter kit can be installed.

g Fuel tank omitted.

DIMENSIONAL DRAWING



OVRM120



MAX TOLERANCE
 FOR "A" DIMENSION =
 \pm .047 [1.19]

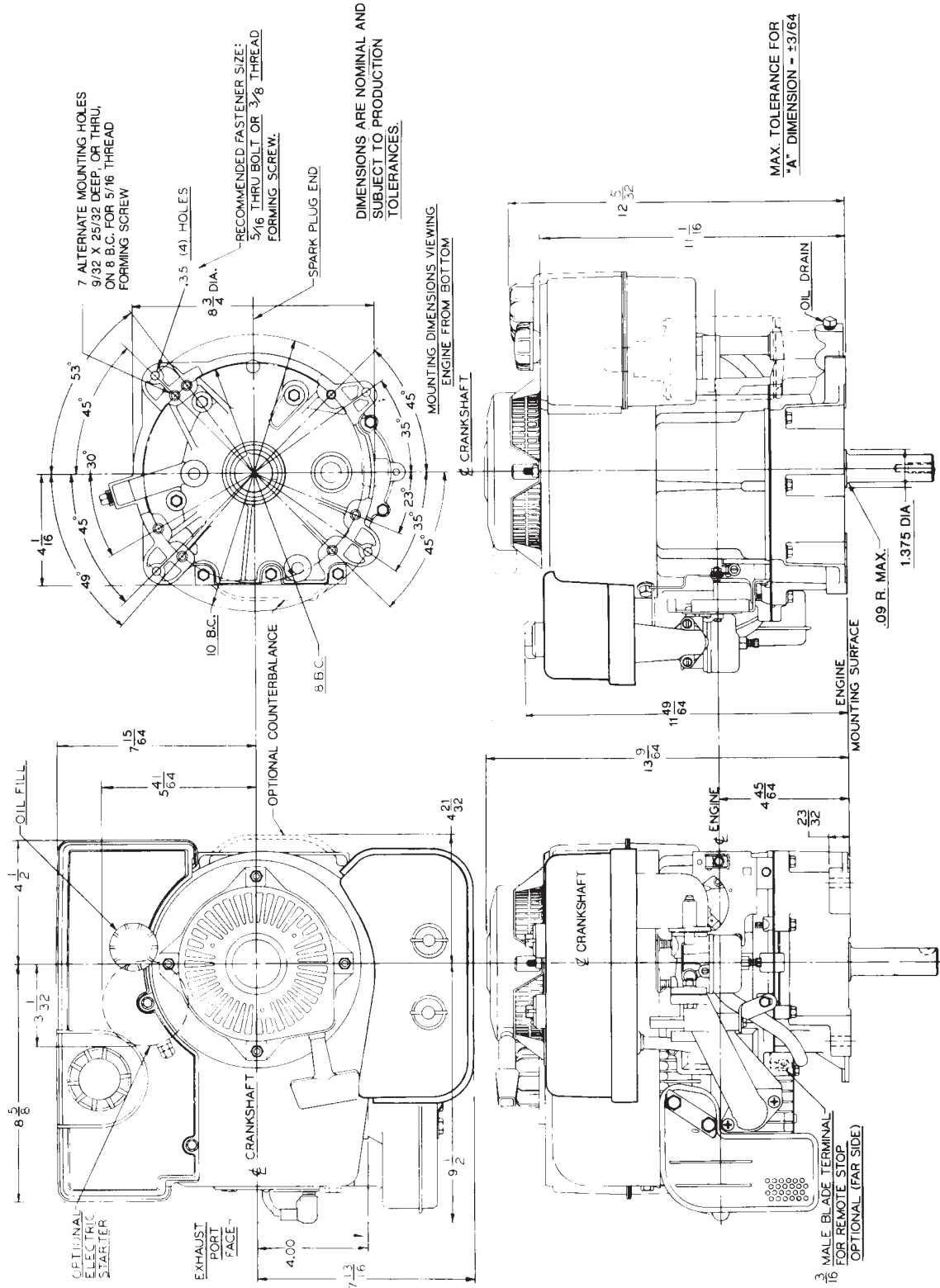
CRANKSHAFT EXTENSION	"A"	"B"
1 - STD	3.156 [80.16]	2.719 [69.06]
2	2.438 [61.92]	2.000 [50.8]
3	1.188 [30.18]	.750 [19.0]
4	1.812 [46.02]	1.375 [34.92]

D-1897



DIMENSIONAL DRAWING

TVM220

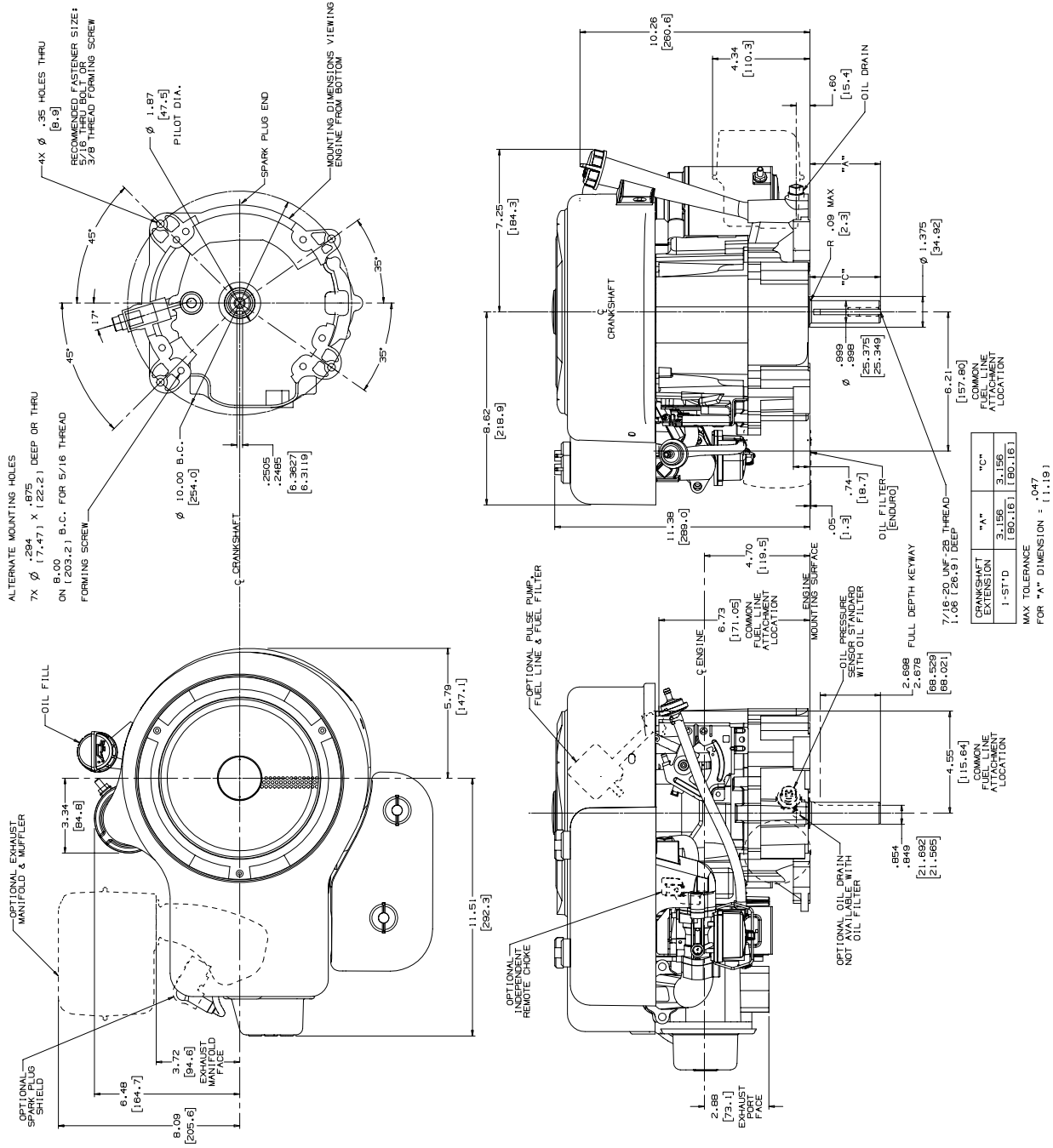


D-1341H

DIMENSIONAL DRAWING



OV358EA (OHV130, 135)

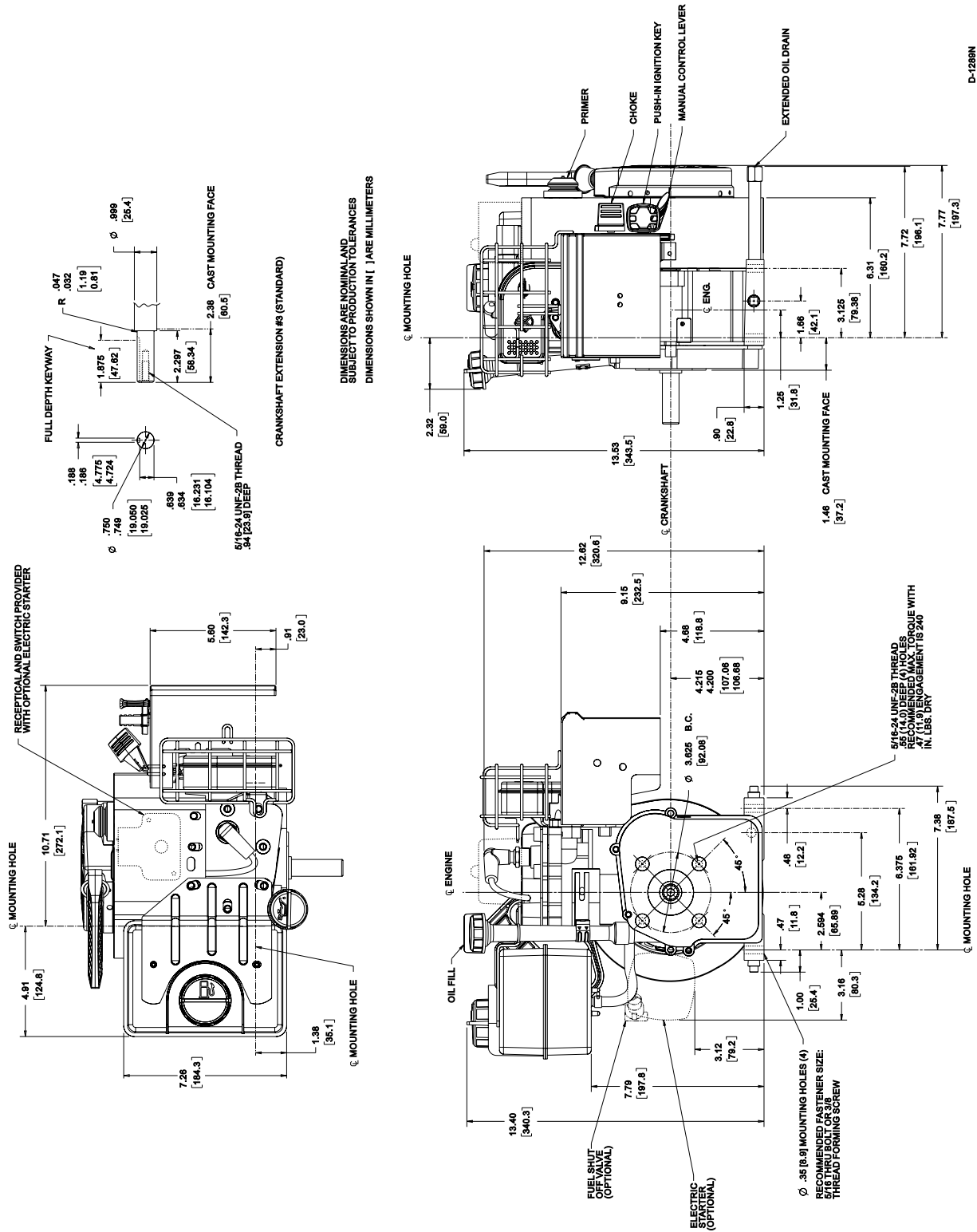


DIMENSIONS ARE NOMINAL AND SUBJECT
 TO PRODUCTION TOLERANCES
 DIMENSIONS IN () ARE MILLIMETERS

DIMENSIONAL DRAWING



LH195EA (HSSK50)

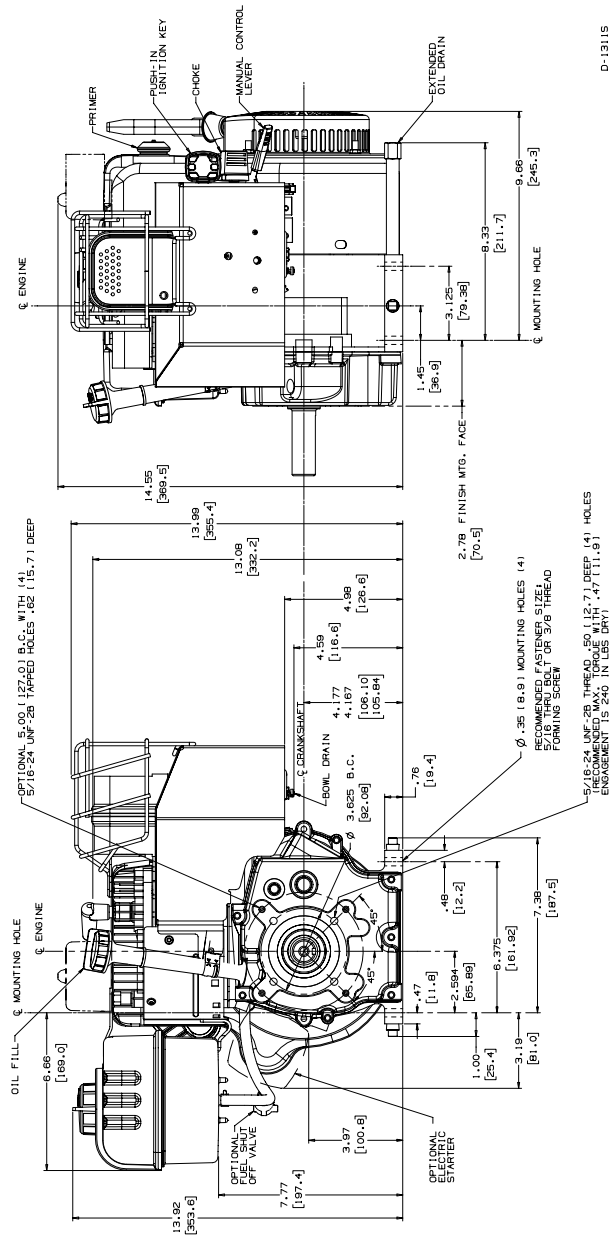
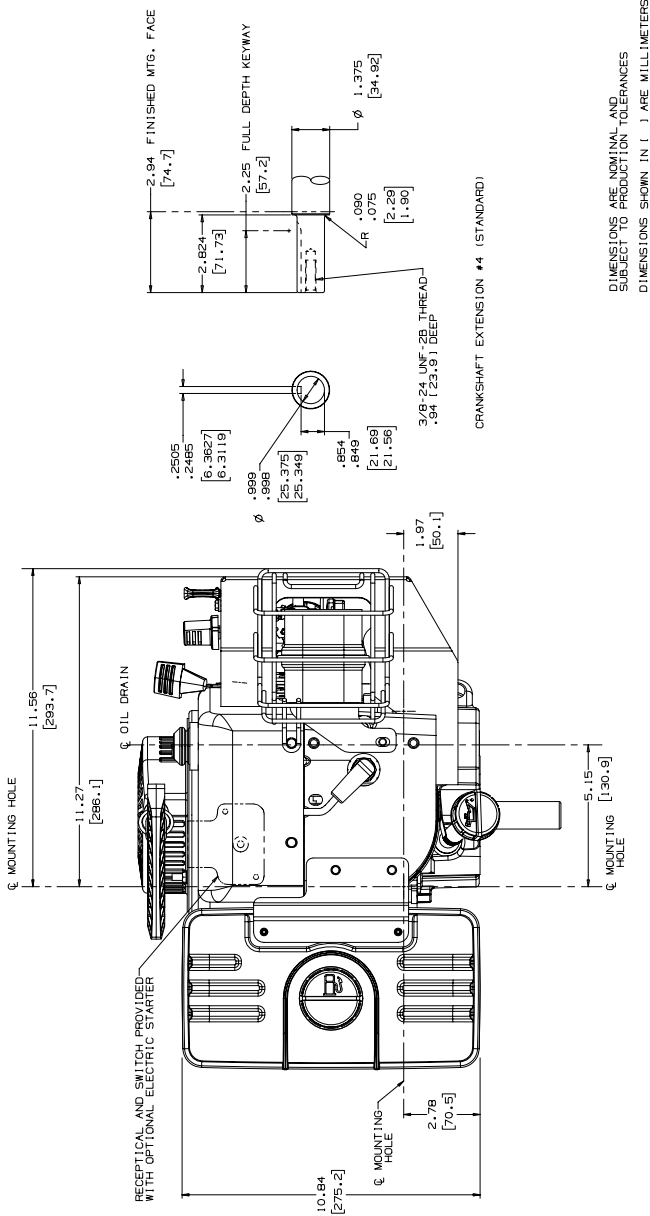


D-1289N



DIMENSIONAL DRAWING

LH318SA (HMSK80), HMSK90, LH358SA (HMSK100), HMSK110

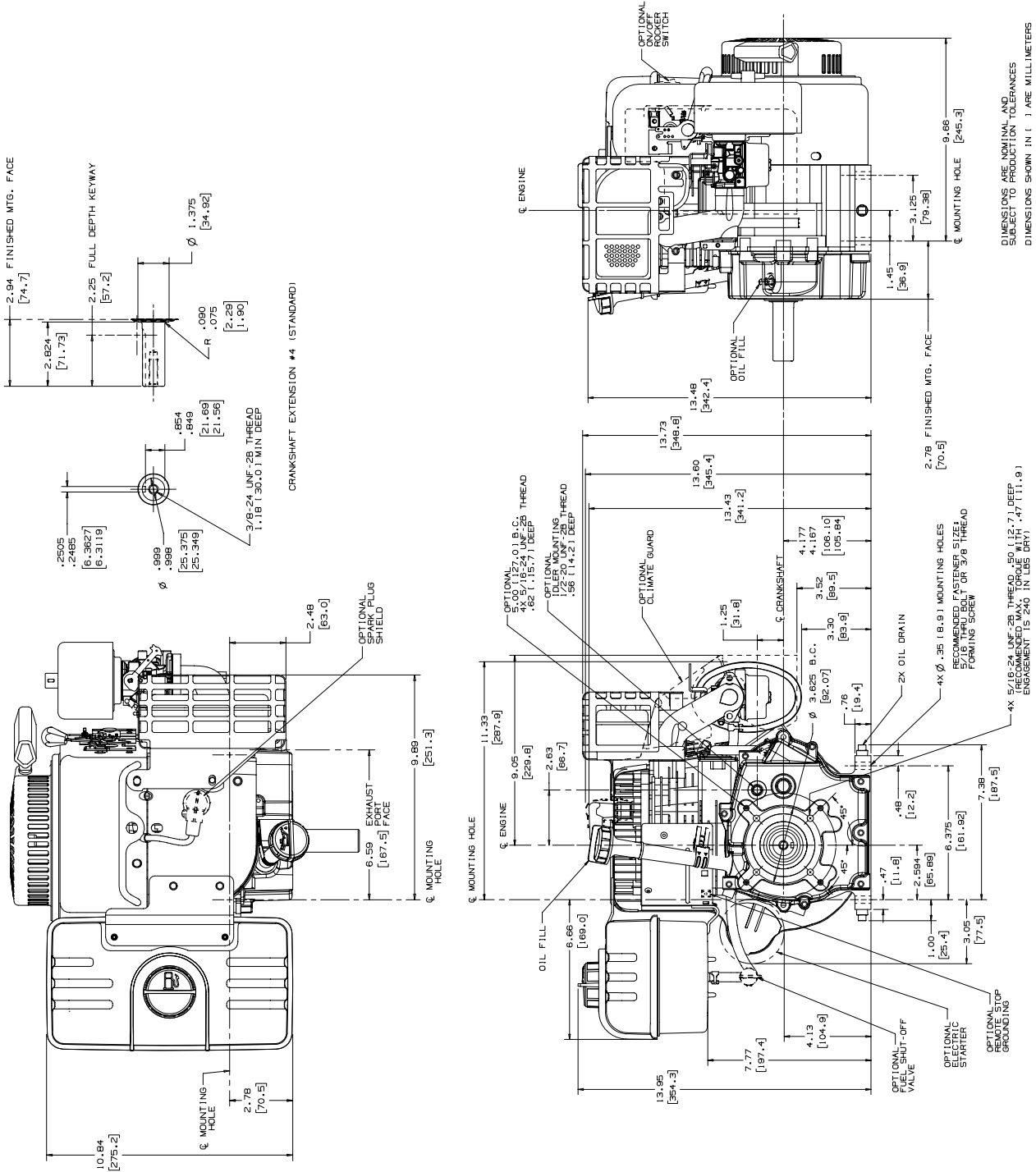


D-13115



DIMENSIONAL DRAWING

HM100

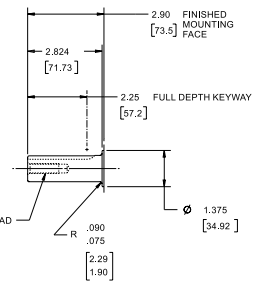
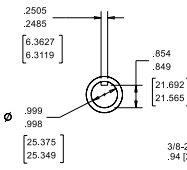
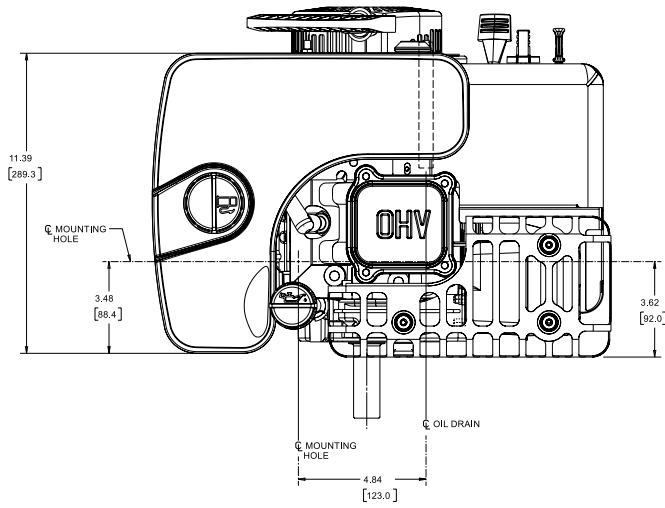


D-1276F



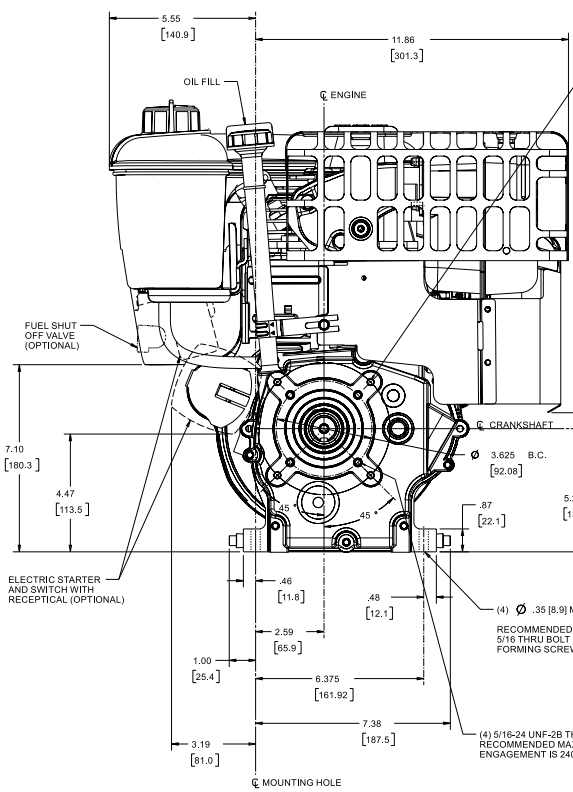
DIMENSIONAL DRAWING

OH358SA (OHSK130)

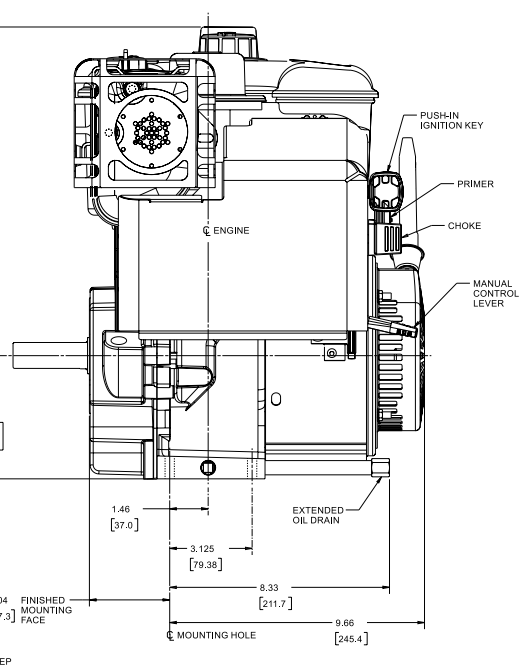


CRANKSHAFT EXTENSION #4 (STANDARD)

DIMENSIONS ARE NOMINAL AND SUBJECT TO PRODUCTION TOLERANCES.
DIMENSIONS IN () ARE MILLIMETERS.



OPTIONAL 5.00 [127.0] B.C. WITH (4) 5/16-24 UNF-2B TAPPED HOLES .62 [15.7] DEEP



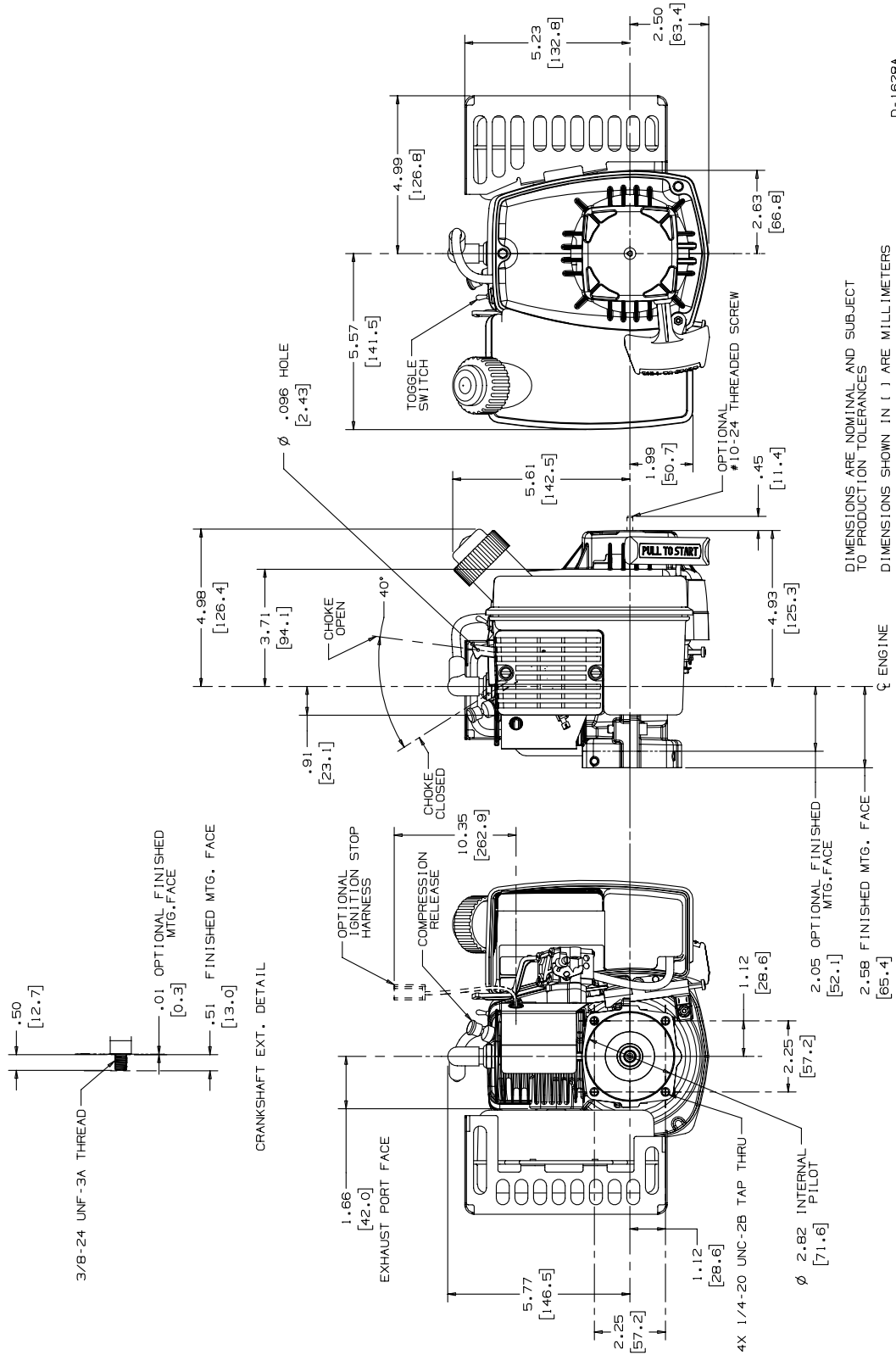
(4) \varnothing .35 [8.9] MOUNTING HOLES
RECOMMENDED FASTENER SIZE:
5/16 THRU BOLT OR 3/8 THREAD FORMING SCREW
(4) 5/16-24 UNF-2B THREAD .50 [12.7] DEEP
RECOMMENDED MAX. TORQUE WITH .47 [11.9] ENGAGEMENT IS 240 IN. LBS. DRY

D-1553B

DIMENSIONAL DRAWING



TM049XA (TC300)





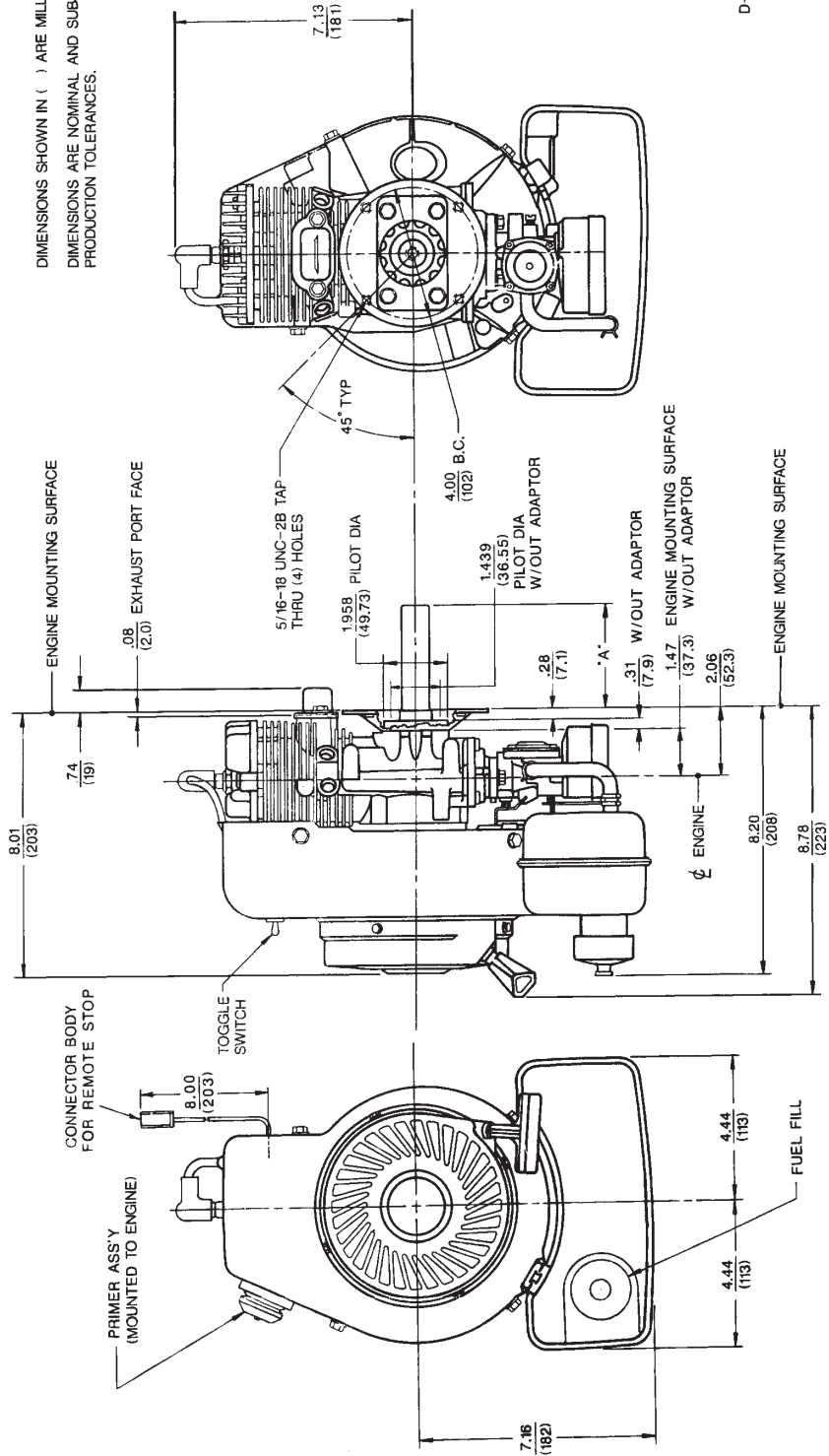
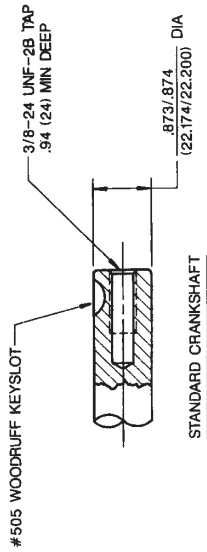
DIMENSIONAL DRAWING

TV085XA (AV520)

CRANKSHAFT EXTENSION	"A"
1-STD	3.156 (80.16)
2	2.438 (61.92)
3	1.188 (30.18)
4	1.312 (46.02)

MAX. TOLERANCE
FOR "A" DIMENSION= + .05
(1.3)

DIMENSIONS SHOWN IN () ARE MILLIMETERS.
DIMENSIONS ARE NOMINAL AND SUBJECT TO
PRODUCTION TOLERANCES.

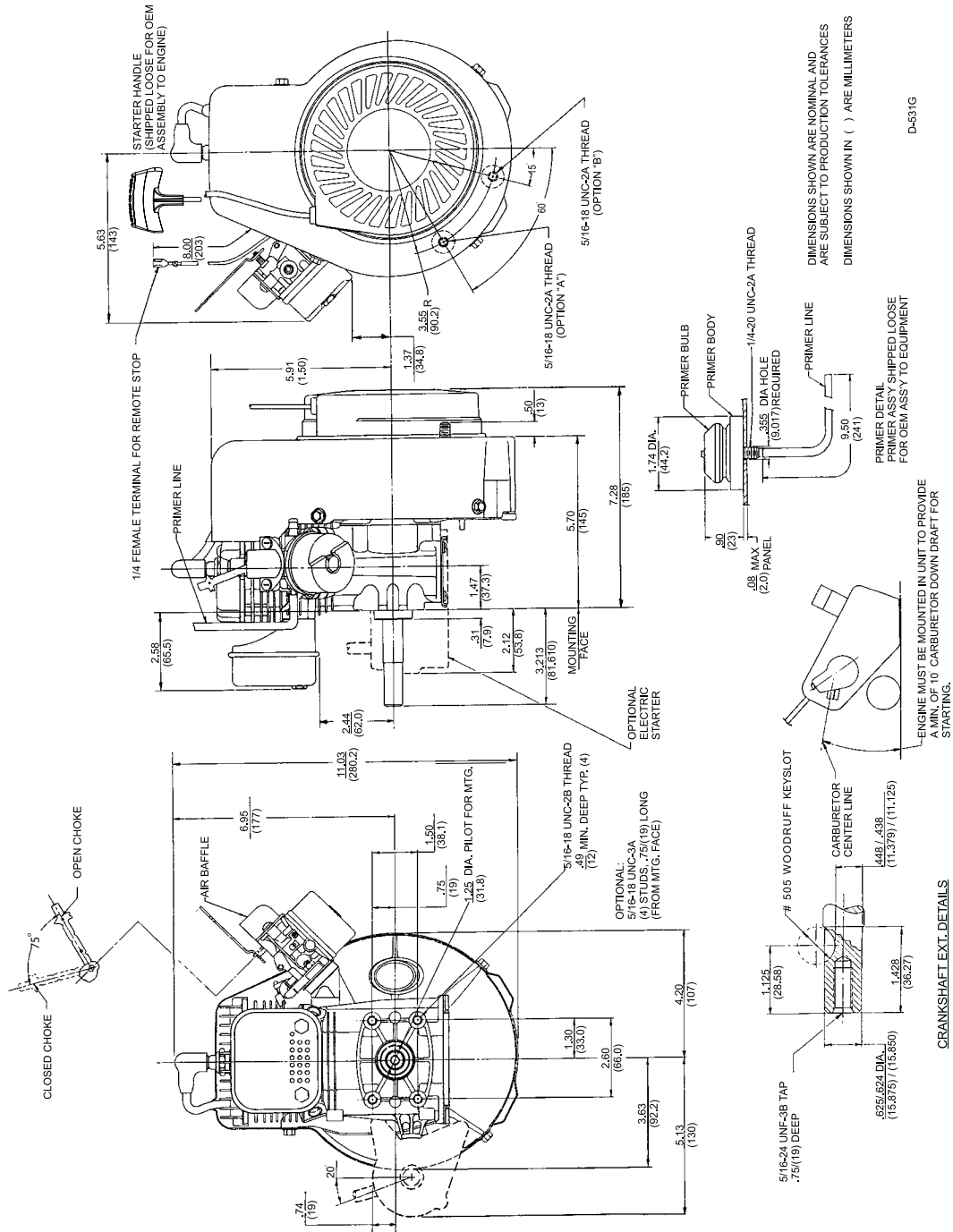


D-1445D

DIMENSIONAL DRAWING



TH098SA (HSK600)



D-531G

