



Parts Manual

Mfg. No: 076880-00
30,000 Watt LC Standby Generator

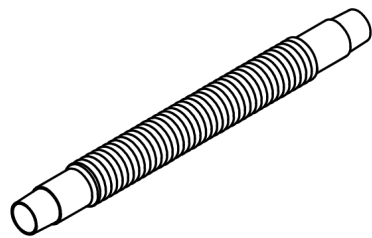
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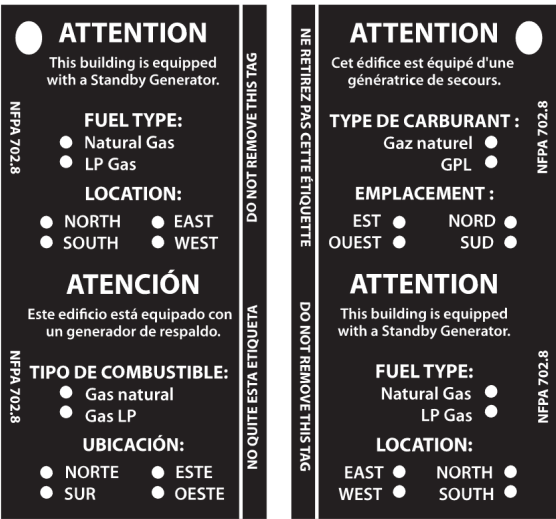
Circuit Breaker and Accessories Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 076880-00



0020



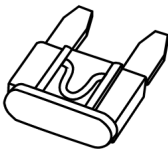
0030



0040



0060



0070

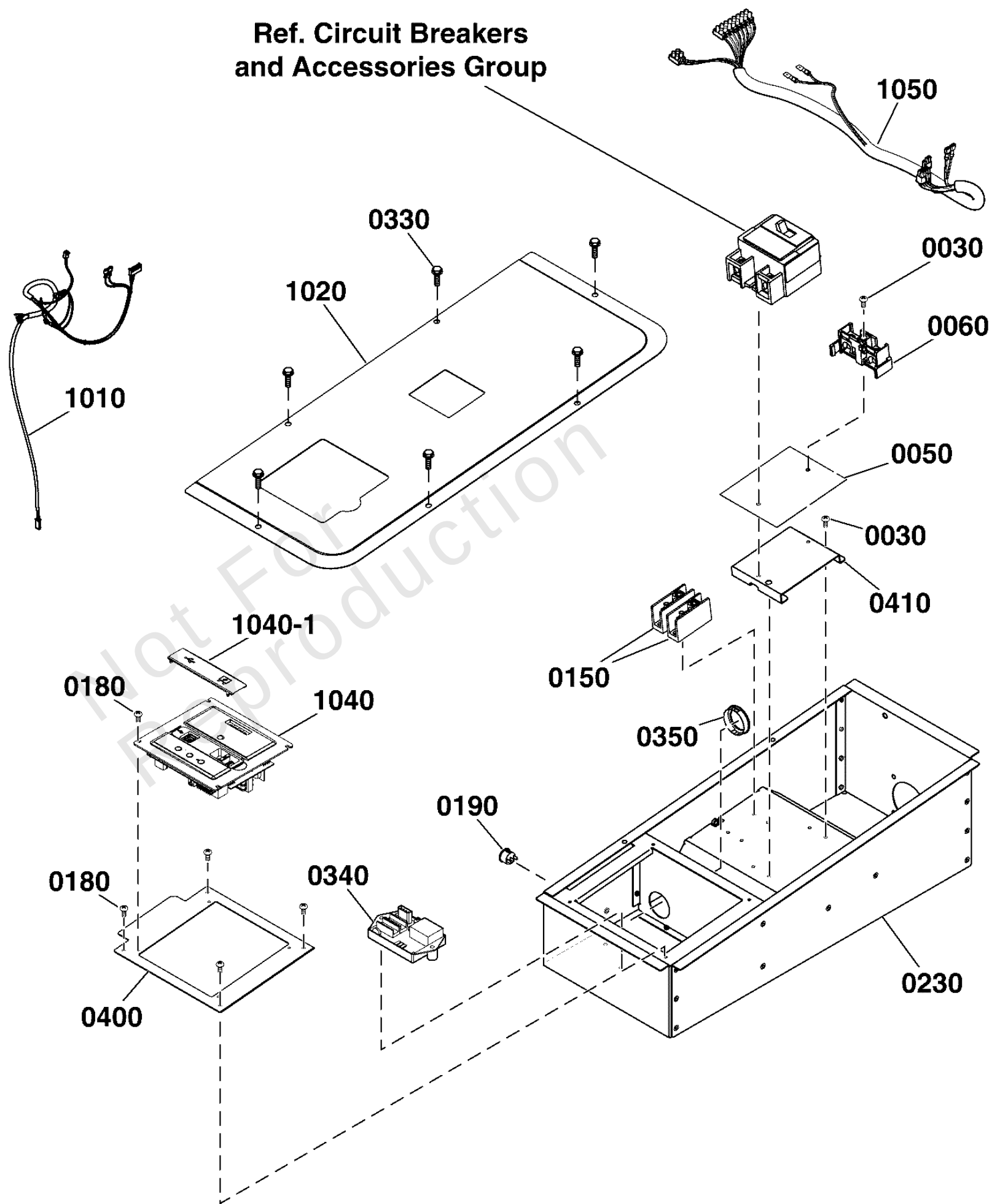
Circuit Breaker and Accessories Group

REF NO	PART NO	QTY	DESCRIPTION
0020	205206GS	1	FUEL HOSE, Flexible
0030	706988	1	HANG TAG-ATTN. STANDBY EQUIPMENT
0040	319693GS	1	PAINT, Touch Up, Cont. Charcoal, Texture
0060	314290GS	1	KEY, Latch
0070	198573GS	2	FUSE, Auto Type, 15 Amp
0020	319606GS	1	BREAKER-CIRCUIT, 125A, 2 Pole -(Use on 076107-02, 076180-02, 076180-03, 076198-00, 076880-04, 076880-05)
0021	209168GS	1	CIRCUIT BREAKER, 150A, 2 Pole -(Use on 076880-00, 076880-01, 076880-02)
0022	318134GS	1	BREAKER-CIRCUIT, 80A, 3 Pole -(Use on 076173-00)
0023	318135GS	1	BREAKER-CIRCUIT, 90A, 3 Pole -(Use on 076171-00, 076193-00, 076193-02)
0024	318256GS	1	CIRCUIT BREAKER, 110A, 3 Pole -(Use on 076191-00, 076191-02)
0025	312114GS	1	BREAKER, Circuit, 90A -(Use on 076178-00)
--	319677GS		PAINT, Spray, Cont. Charcoal, Texture -(Optional Accessory - Not Included)
--	6268-01		KIT-MAINTENANCE-1000 HR -(Optional Accessory - Not Included)
--	6270		KIT-COLD WEATHER (Includes Battery Warmer & Block Heater) -(Optional Accessory - Not Included)
--	6280		KIT-OIL CHANGE -(Optional Accessory - Not Included)
--	6182		WARMER, Battery -(Optional Accessory - Not Included)
--	6276		WIRELESS MONITOR -(Optional Accessory - Not Included)

Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

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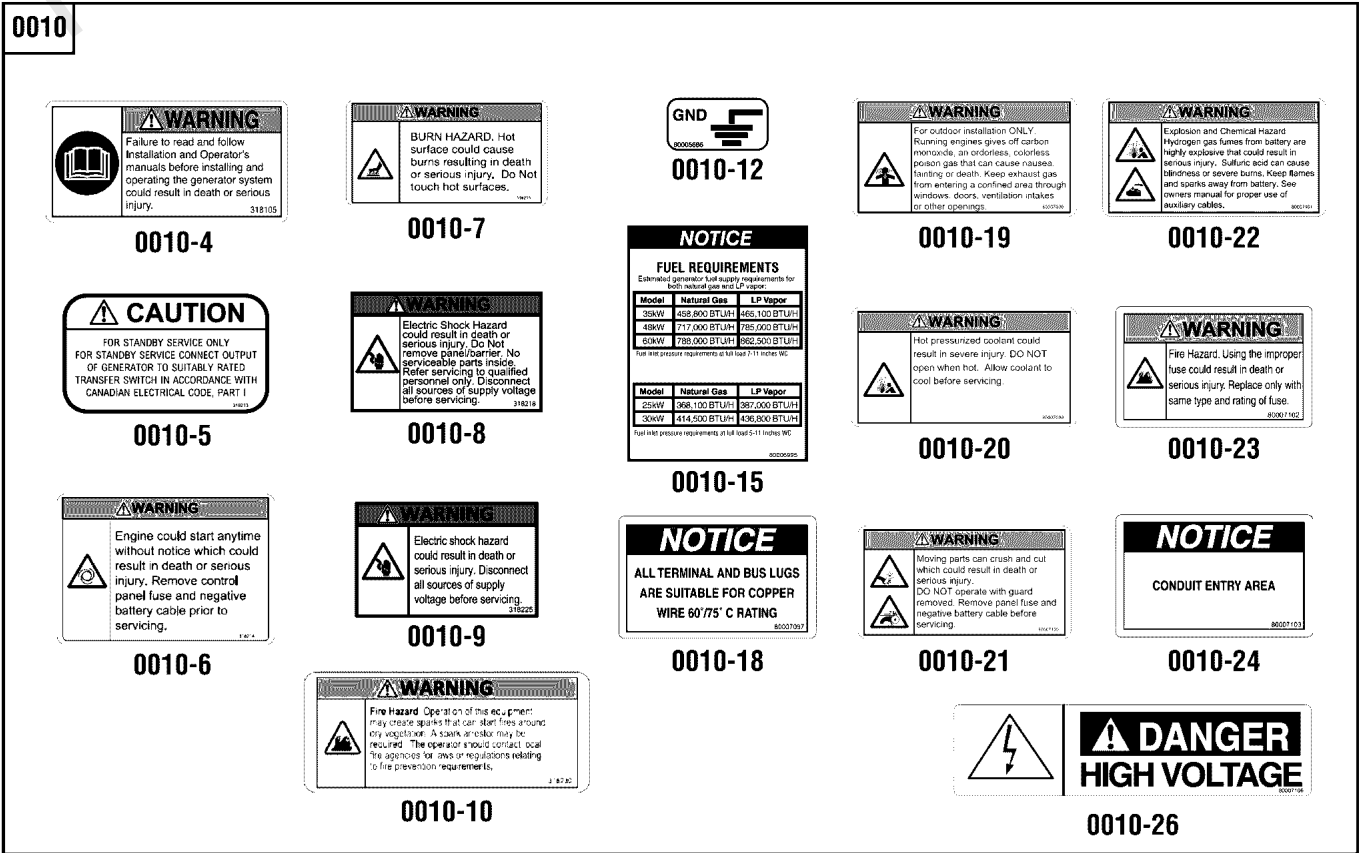
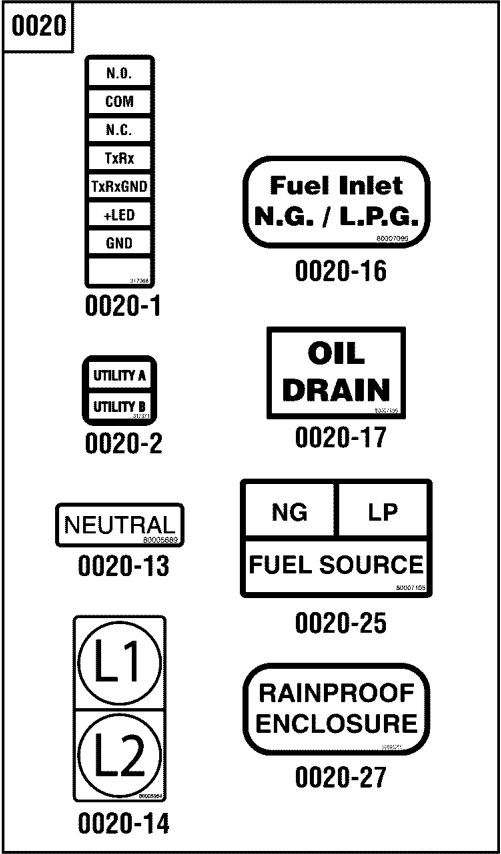
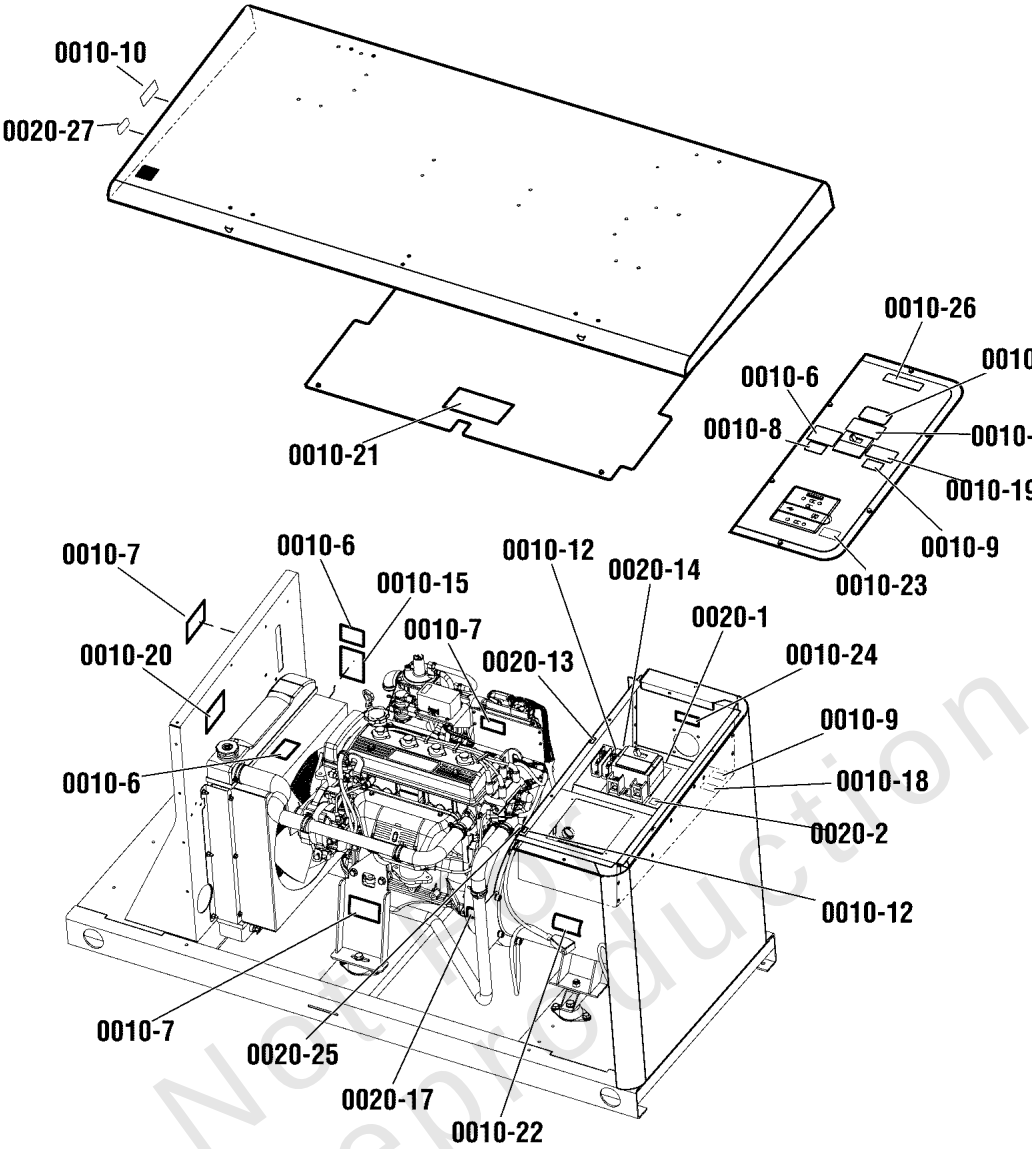
Control Panel Group

REF NO	PART NO	QTY	DESCRIPTION
0030	80077GS		SCREW
0050	204519GS		INSULATION
0060	204530GS		KIT, Load Lug Conversion
0150	208365GS		BLOCK, Terminal
0180	315436GS		SCREW, #10-16 X 3/8"
0190	315551GS		SWITCH, Rocker
0230	707900		BOX-CONTROL PANEL
0330	-----		* BOLT, Flange, M6 X 1 X 20 -(*See footnote)
0340	209856GS		REGULATOR, Voltage
0350	707901		BUSHING
0400	707902		BRACKET-CONTROL PANEL
0410	707903		BRACKET
1010	319686GS		HARNESS-WIRE
1020	BA317637GS		COVER, DOOR
1040	315423GS		PANEL-CONTROL -(Includes Ref. No. 1040-1)(**See footnote)
1040-1	319009GS		DOOR, Access
1050	314639GS		HARNESS-WIRE
2020	6479		ACCESSORY, KIT, OFF BOARD RADIO -(Not Illustrated)

Footnotes:

** If system has a wireless monitor, 6479GS (Off Board Radio Kit) will be required along with control panel.

* Items without part numbers are common fasteners. Purchase locally.



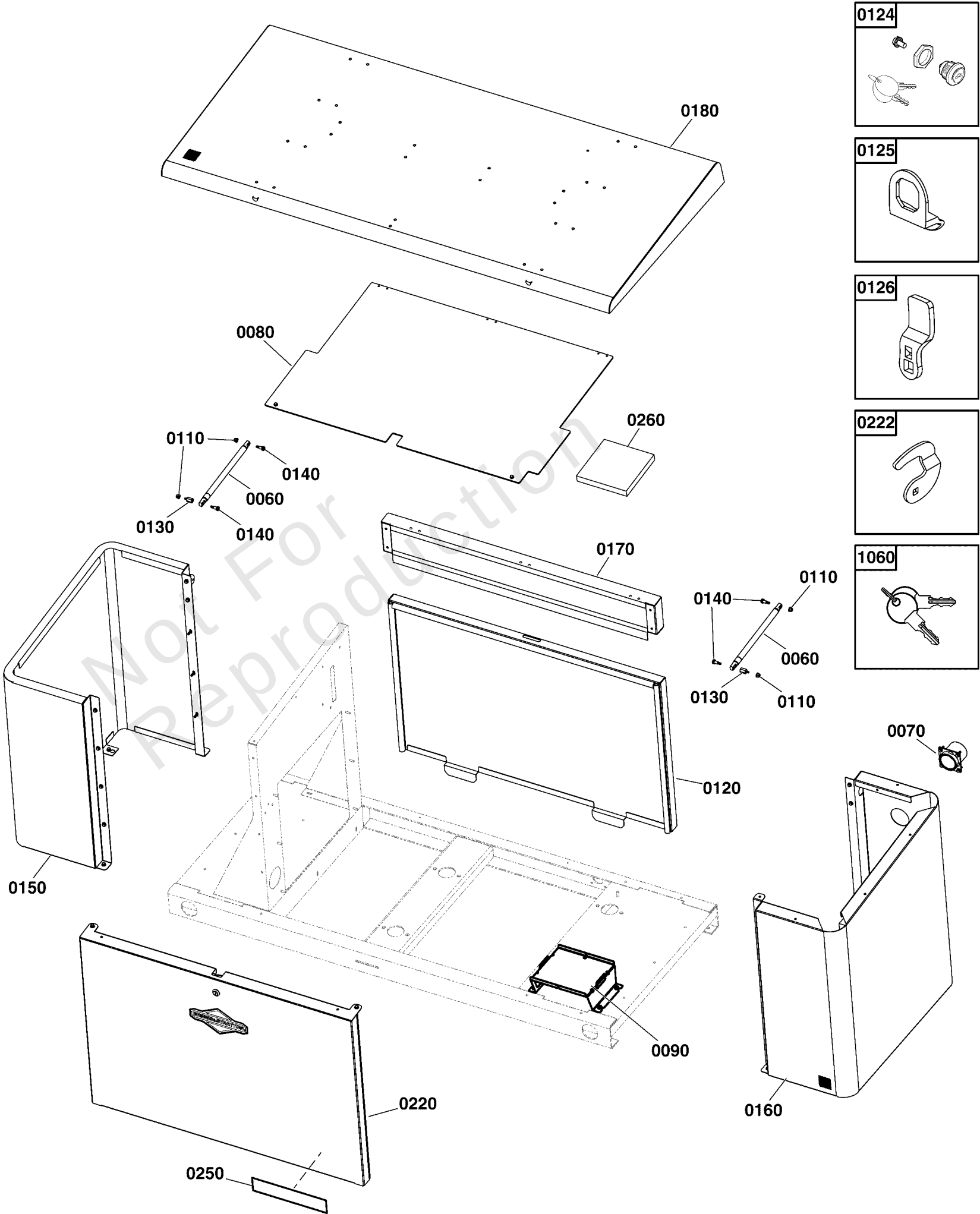
Decals Group

REF NO	PART NO	QTY	DESCRIPTION
0010	705920		DECAL SHEET, WARNINGS -(Includes all decals shown in box.)
0010-4	-----		DECAL, Warning, Read Manual
0010-5	-----		DECAL, Caution, Standby
0010-6	-----		DECAL, Warning, Auto Start
0010-7	-----		DECAL, Warning, Burn Hazard
0010-8	-----		DECAL, Warning, Electric Shock
0010-9	-----		DECAL, Warning, Electric Shock
0010-10	-----		DECAL, Warning, Fire Hazard
0010-12	-----		DECAL, Ground, Green
0010-15	-----		DECAL, Notice, Fuel Requirements
0010-18	-----		DECAL, Wire Size
0010-19	-----		DECAL, Warning, Outdoor Install
0010-20	-----		DECAL, Warning, Hot Coolant
0010-21	-----		DECAL, Warning, Moving Parts
0010-22	-----		DECAL, Warning, Explosion
0010-23	-----		DECAL, Fuse Spec
0010-24	-----		DECAL, Conduit Entry
0010-26	-----		DECAL, Danger, High Voltage
0020	705919		DECAL SHEET - LCG -(Includes all decals shown in box.)
0020-1	-----		DECAL, Terminal Strip
0020-2	-----		DECAL, Terminal Strip
0020-13	-----		DECAL, Neutral
0020-14	-----		DECAL, L1/L2 Icon
0020-16	-----		DECAL, Fuel Inlet
0020-17	-----		DECAL, Oil Drain
0020-25	-----		DECAL, Fuel Source
0020-27	-----		DECAL, Rainproof Enclosure

Enclosure Group

Note: Unless noted otherwise, use the standard torque specifications

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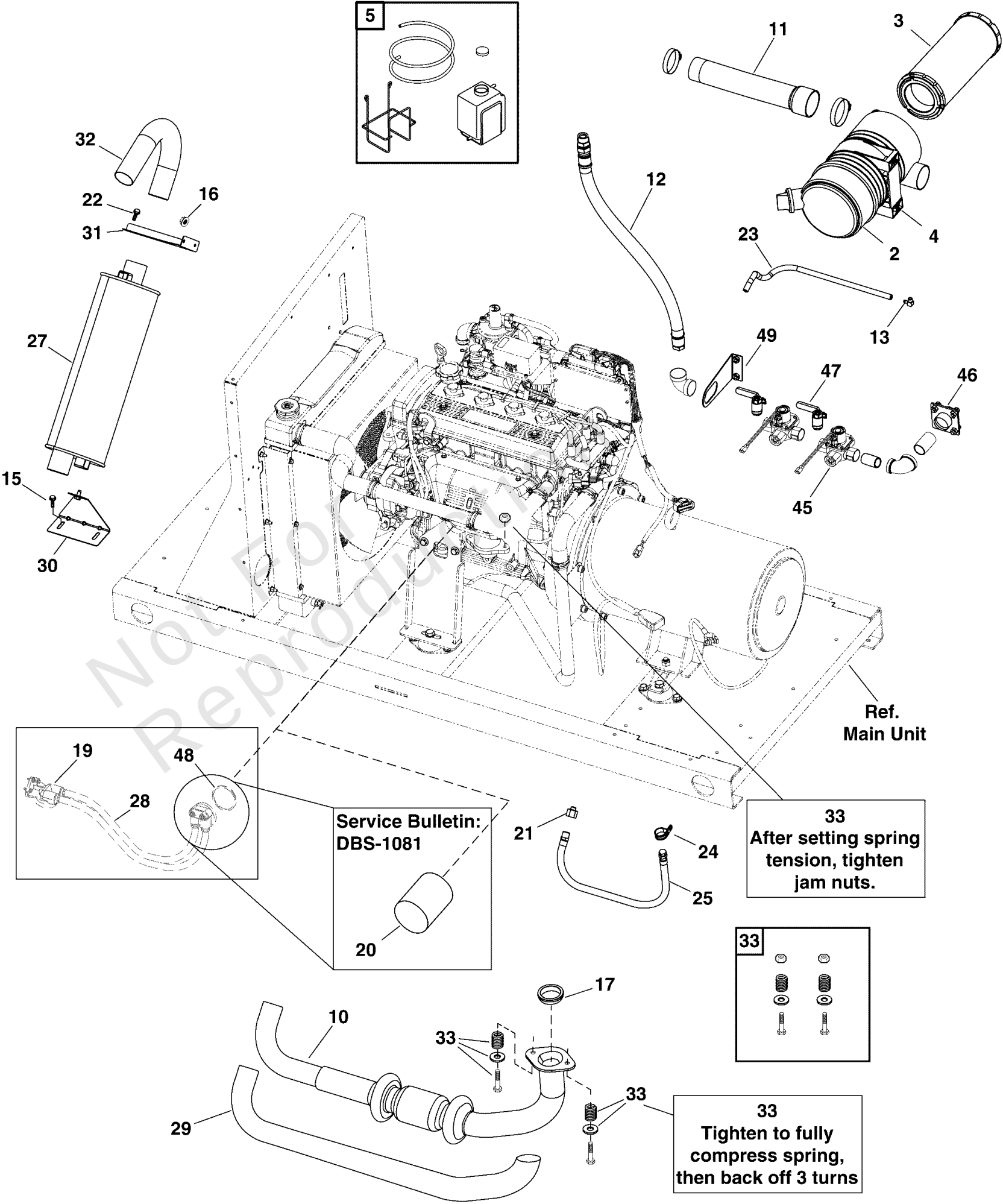


Enclosure Group

REF NO	PART NO	QTY	DESCRIPTION
0060	314649GS	2	SHOCK, Roof
0070	BG318007GS	1	FITTING
0080	318597GS	1	GUARD
0090	BA319333GS	1	TRAY-BATTERY
0110	-----	4	* NUT, M6, Flange Head, Lock -(*See footnote)
0120	704255	1	DOOR-BACK -(Includes Ref. Nos. 0124, 0125 & 0126)
0124	314619GS	1	LATCH
0125	704295	1	TAB-PULL
0126	196001GS		LATCH-ARM -(Back Door)
0130	704297	2	ADAPTER
0140	-----	4	* BOLT, Shoulder, M6, 8 x 12 -(*See footnote)
0150	704256	1	BULKHEAD-EXHAUST
0160	704258	1	BULKHEAD-ALTERNATOR
0170	704260	1	RAIL-DOOR
0180	704262	1	ROOF
0220	770032	1	DOOR-FRONT -(Includes Ref. Nos. 0124 & 0222)
0222	315443GS	1	LATCH-ARM -(Front Door)
0250	770458	1	BADGE-FORTRESS
0260	84004648	1	SHIELD, Water
1060	314290GS	1	KEY

Footnotes:

* Items without part numbers are common fasteners and are available at your local hardware store.



Engine Group

REF NO	PART NO	QTY	DESCRIPTION
2	204274GS	1	ASSEMBLY, Air Cleaner -(Includes Ref. No. 3)
3	207575GS	1	FILTER, Cartridge
4	205103GS	1	CLAMP, Air Cleaner
5	205226GS	1	KIT, Bottle Overflow
10	317579GS	1	EXHAUST
11	317755GS	1	TUBE
12	318595GS	1	HOSE-FUEL
13	319774GS	1	FITTING
15	-----	7	* BOLT, Flange, M6 X 1 X 20 -(*See footnote)
16	-----	2	* NUT, M6, Flange Head, Lock -(*See footnote)
17	704268	1	GASKET
19	704267	1	ADAPTER-OIL FILTER -(No longer serviceable: Refer to Service Bulletin DBS-1081.)
20	771863	1	FILTER, Oil
21	704337	1	ADAPTER
22	-----	2	SCREW, 5/16-18 x 5/8 -(*See footnote)
23	704269	1	HOSE, FUEL
24	704270	1	CLAMP
25	704271	1	HOSE-OIL DRAIN
27	704272	1	MUFFLER
28	704274	1	HOSE -(No longer serviceable: Refer to Service Bulletin DBS-1081.)
29	206985GS	1	SLEEVE, Insulation
30	704275	1	BRACKET
31	704276	1	BRACKET
32	704277	1	DIFFUSER
33	707925	1	KIT-HARDWARE, EXHAUST -(Includes all items shown in box.)
45	314110GS	2	VALVE, Fuel -(Use on Serial No. 1022125702 and earlier)
45	706433	2	SOLENOID-GAS FUEL -(Use after Serial No. 1022125702)
46	BC310518GS	1	COUPLING
47	312788GS	2	BALL, Valve, 1/8
48	709901	1	O-RING -(No longer serviceable: Refer to Service Bulletin DBS-1081.)
49	84006780	1	BRACKET, Fuel Solenoid

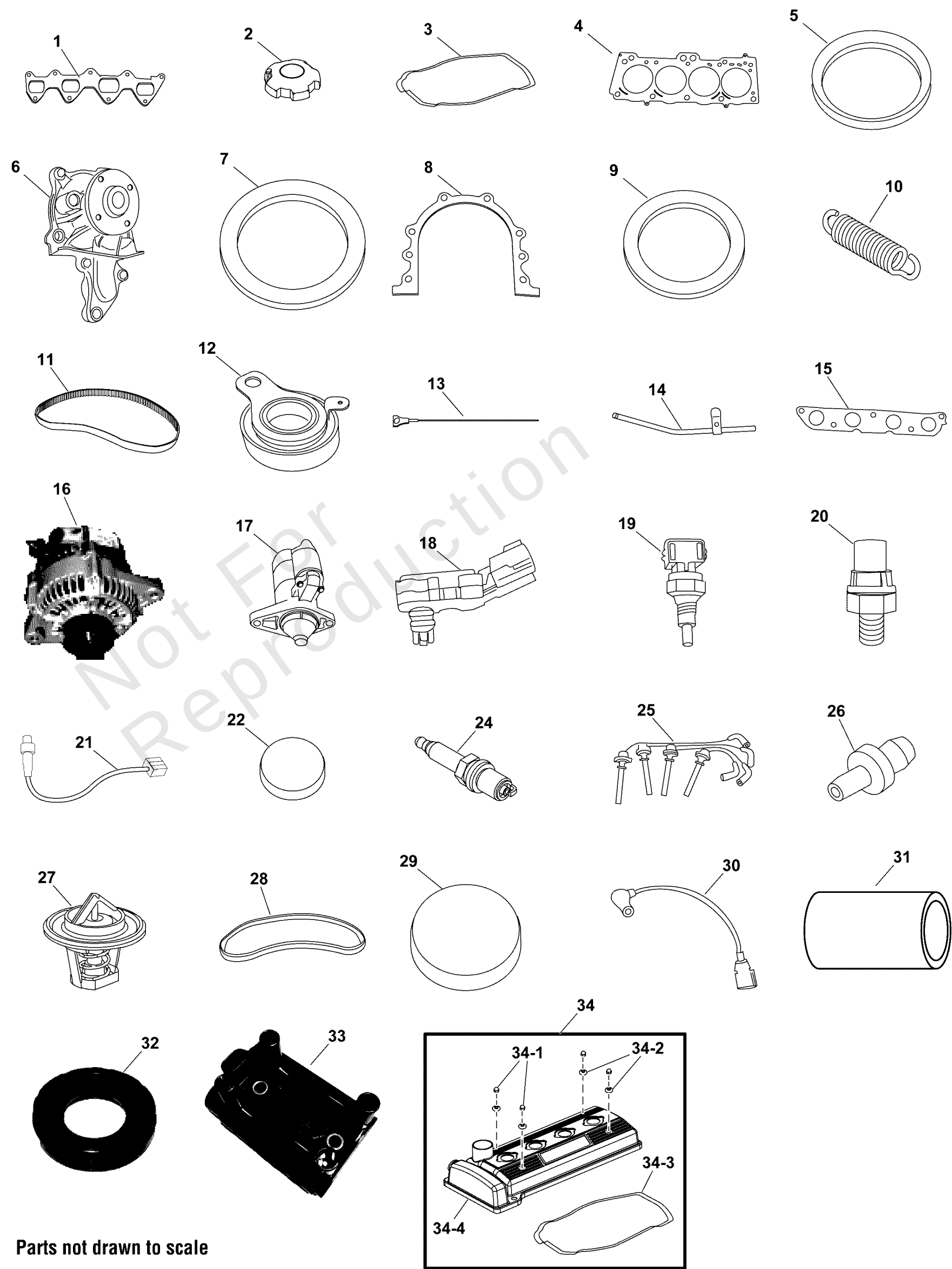
Footnotes:

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Engine Group - Common Service Parts

Note: Unless noted otherwise, use the standard torque specifications

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Parts not drawn to scale

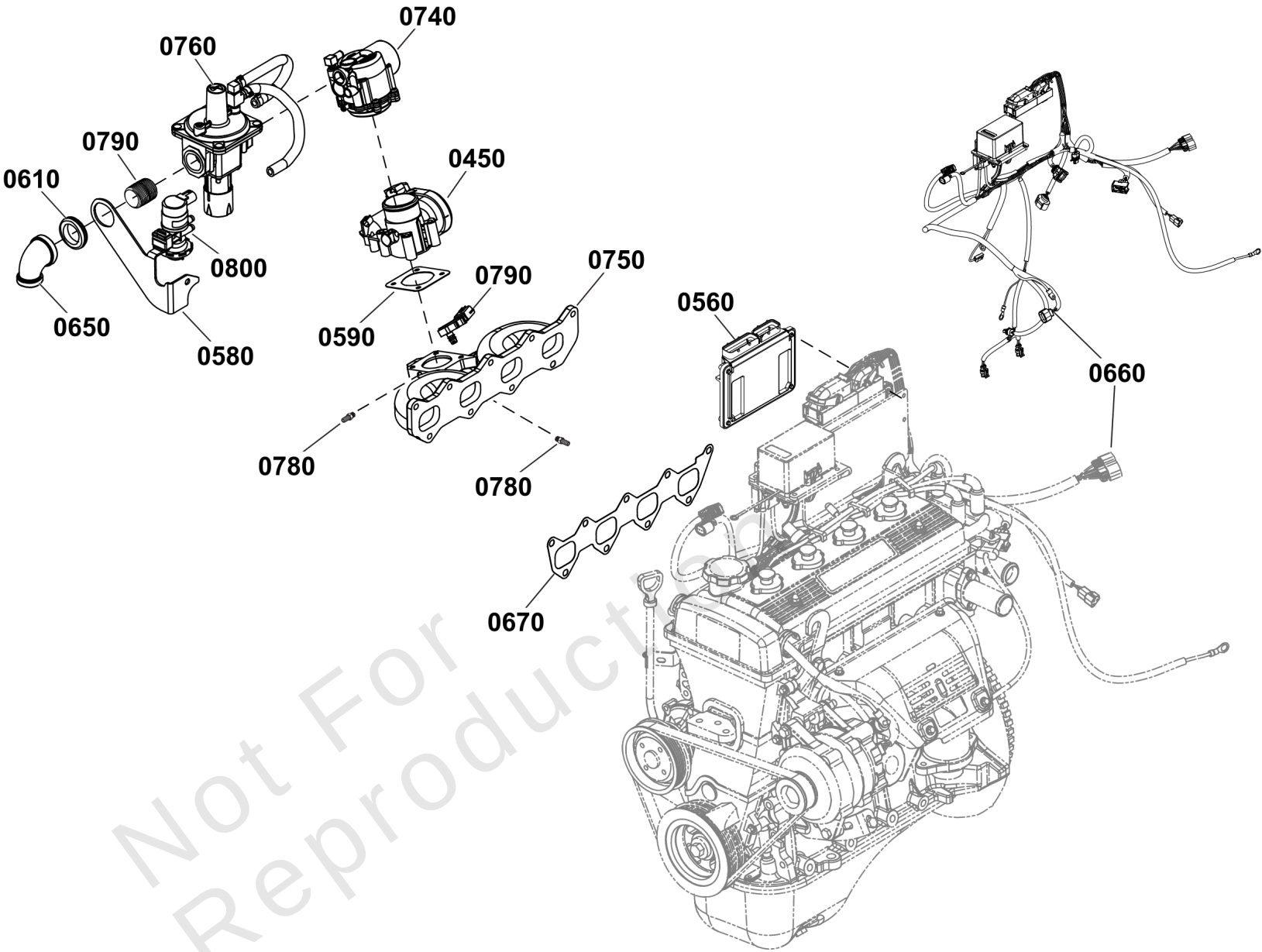
Engine Group - Common Service Parts

REF NO	PART NO	QTY	DESCRIPTION
1	318472GS		GASKET-INTAKE MANIFOLD
2	318702GS		CAP-OIL
3	318703GS		GASKET-VALVE COVER
4	318705GS		GASKET-HEAD
5	318706GS		O-RING-WATER PUMP
6	318708GS		WATER PUMP
7	318709GS		SEAL, Crank, Rear
8	318710GS		GASKET-REAR MAIN
9	318711GS		SEAL, Crank, Front
10	318712GS		SPRING-TENSIONER, TIMING BELT
11	318713GS		BELT-TIMING
12	318714GS		TENSIONER-TIMING BELT
13	318717GS		DIPSTICK
14	318718GS		TUBE-DIPSTICK
15	318719GS		GASKET-EXHAUST MANIFOLD
16	318720GS		ALTERNATOR-ENGINE
17	318721GS		STARTER
18	318722GS		SENSOR-MAP
19	318723GS		SENSOR, Tempurature
20	318725GS		SENSOR-OIL PRESSURE
21	318726GS		SENSOR-OXYGEN
22	318727GS		PLUG-FREEZE, 35mm
24	318729GS		SPARK PLUG
25	318730GS		WIRE-SPARK PLUG SET
26	318734GS		PCV VALVE
27	318735GS		THERMOSTAT
28	318737GS		BELT
29	319370GS		PLUG-FREEZE, 40mm
30	318724GS		SENSOR-CRANK POSITION
31	709898		HOSE-WATER PUMP
32	709899		SEAL-SPARK PLUG TUBE
33	709900		COILPACK-IGNITION
34	84006473	1	KIT, Valve Cover -(Incl. Ref. Nos. 34-1, 34-2, 34-3, 34-4)
34-1	-----	4	NUT, Acorn
34-2	-----	4	GASKET, Bolt
34-3	318703GS	1	GASKET-VALVE COVER
34-4	-----	1	COVER, Valve

Engine Group - Fuel Components

Note: Unless noted otherwise, use the standard torque specifications

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Engine Group - Fuel Components

REF NO	PART NO	QTY	DESCRIPTION
0450	318470GS	1	BODY-THROTTLE
0560	317758GS	1	ECM
0580	84006852	1	BRACKET, Fuel Control Valve
0590	318473GS	1	GASKET
0610	318876GS	1	GROMMET
0650	-----	1	FITTING, Reducer Elbow, 90° -(*See footnote)
0660	318368GS	1	HARNESS-WIRE
0670	318472GS	1	GASKET-INTAKE MANIFOLD
0740	318474GS	1	MIXER-FUEL
0750	-----	1	MANIFOLD
0760	318478GS	1	REGULATOR-FUEL
0780	-----	2	NIPPLE, Hose, 3/8" x 1/8" NPT
0790	704221	1	SENSOR
0800	318479GS	1	VALVE-FUEL

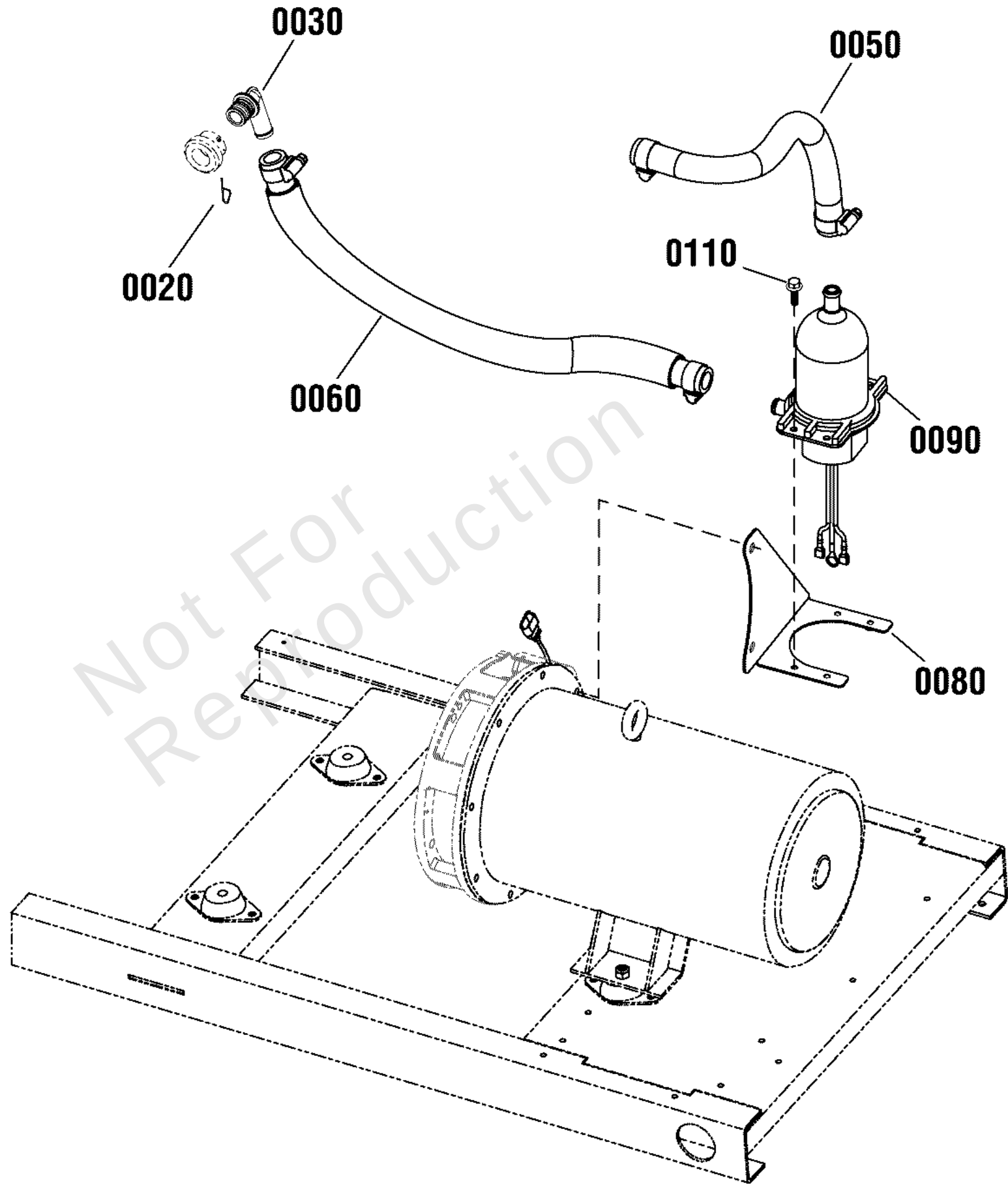
Footnotes:

Note:* Refer to your local hardware store for replacement parts.

Heater Group

Note: Unless noted otherwise, use the standard torque specifications

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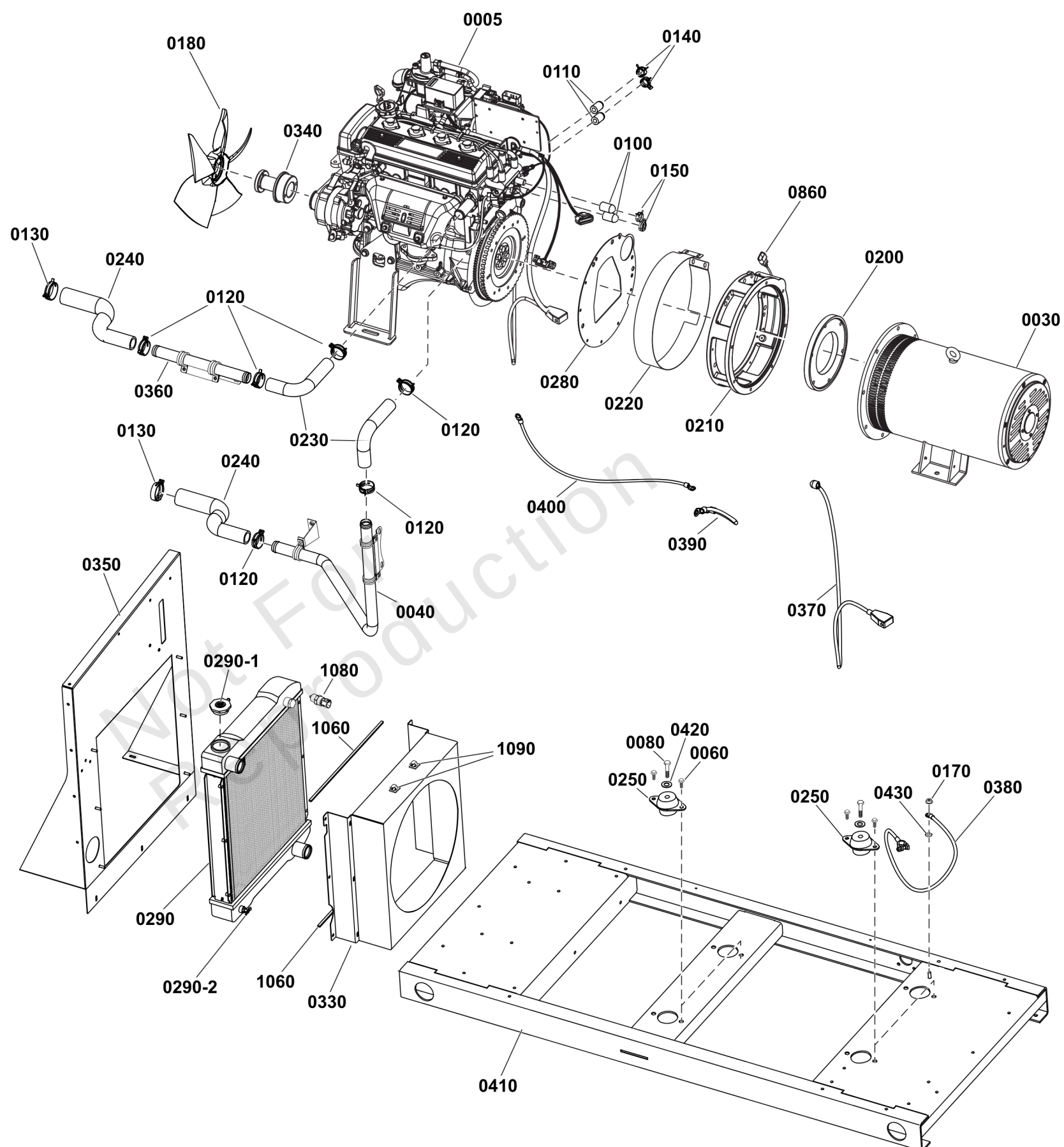
Heater Group

REF NO	PART NO	QTY	DESCRIPTION
0020	314146GS		CLIP
0030	314147GS		FITTING
0050	-----		HOSE-HEATER
0060	-----		HOSE-HEATER
0080	-----		BRACKET
0090	770033		HEATER, 240V
0110	-----		* BOLT, Flange, M6 X 1 X 20 -(*See footnote)

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Footnotes:

* Items without part numbers are common fasteners. Purchase locally.



Power Group

REF NO	PART NO	QTY	DESCRIPTION
0005	317591GS		** ENGINE
0030	704273		ALTERNATOR
0031	704376		RECTIFIER
0040	318521GS		TUBE
0060	-----		BOLT, Flange, M10 X 1-1/2 X 20
0080	-----		BOLT, M12 X 1-3/4 X 3/4
0100	319775GS		CAP, Port, Rubber, 11/16"
0110	319776GS		CAP, Port, Rubber, 5/16"
0120	318541GS		CLAMP
0130	318542GS		CLAMP
0140	704219		CLAMP
0150	704218		CLAMP
0170	-----		NUT, Flange, M8
0180	704220		FAN
0200	-----		FLANGE, Alternator
0210	-----		ADAPTER, Flange, Engine/Alternator
0220	-----		GUARD, Flywheel
0230	318520GS		HOSE
0240	318519GS		HOSE
0250	204653GS		MOUNT-VIBRATION
0280	-----		COVER, Flywheel
0290	318373GS		RADIATOR -(Includes Ref. Nos. 290-1 & 0290-2)
0290-1	704673		CAP, Radiator
0290-2	707487		VALVE-DRAIN
0330	319018GS		COVER-FAN
0340	-----		SPACER, Fan, Radiator
0350	317569GS		SUPPORT
0360	318522GS		TUBE
0370	318369GS		WIRE
0380	318370GS		WIRE
0390	318371GS		WIRE
0400	318372GS		WIRE
0410	-----		BASE
0420	49808GS		WASHER
0430	193686GS		WSHR, M10, SHKPRF, EXT
0860	318724GS		SENSOR
1060	707455		SEAL
1080	708761		SENSOR-LOW COOLANT
1090	197355GS		CLIP

Footnotes:

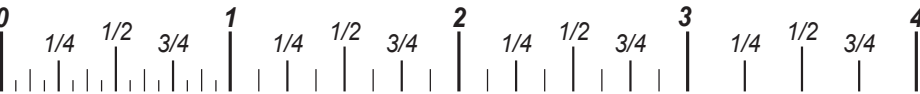
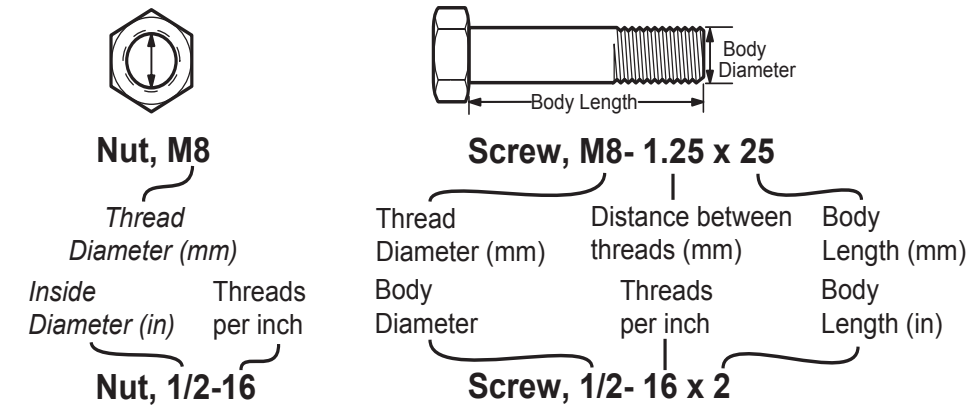
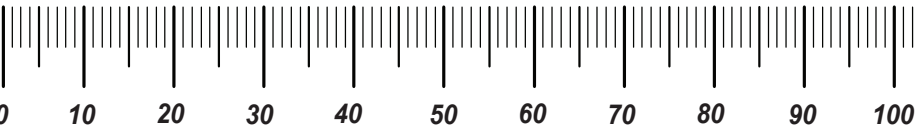
* Items without part numbers are common fasteners. Purchase locally.

** Contact Briggs & Stratton for parts and service.

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

The guides and ruler furnished below are designed to help you select the appropriate hardware.



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

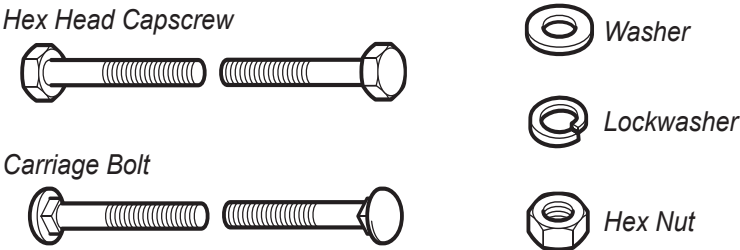
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	 SAE Grade 2		 SAE Grade 5		 SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	29	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types



Wrench & Fastener Size Guide

 1/4" Bolt or Nut Wrench—7/16"	 5/16" Bolt or Nut Wrench—1/2"	 3/8" Bolt or Nut Wrench—9/16"	 7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16"	 1/2" Bolt or Nut Wrench—3/4"
M6 Bolt or Nut Wrench—10mm	M8 Bolt or Nut Wrench—13mm	M10 Bolt or Nut Wrench—17mm	M12 Bolt or Nut Wrench—19mm	M14 Bolt or Nut Wrench—22mm

