



Parts Manual

Mfg. No: 040783-00

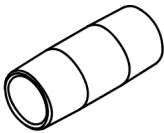
22,000 Watt Standby Generator With 200
Amp ATS and 6907 Symphony Choice
(Briggs & Stratton)

Model Components	Page
Accessory Group.	4
Alternator Group.	6
Circuit Breaker Group.	8
Control Panel Group.	10
Decals Group.	14
Decals Group - ATS Informational.	16
Decals Group - ATS Warning.	18
Enclosure Group.	20
Fuel, Duct & Support Group.	22
Power Group.	28
Symphony II Controller Kit.	30
Transfer Switch - Hingeless Enclosure.	32
6845-00 - Fuel Regulator Heater.	34
Fuel Regulator Heater.	35
6840-00 - Oil Sump Warmer.	37
Oil Sump Warmer.	38
6869-00 - Battery Warmer.	40
Battery Warmer.	41
6872-00 - Maintenance.	43
Maintenance.	44
6574-01 - Infohub.	46
Infohub.	47
6581-00 - Uninterruptible Power Supply - (UPS).	49
Uninterruptible Power Supply - (UPS).	50
6491-01 - Estop Switch.	52
Estop Switch.	53
6428-00 - USB Cable.	55
USB Cable.	56
6631-00 - Surge Protective Device (SPD).	58
Surge Protective Device (SPD).	59
Torque Specification Chart.	61

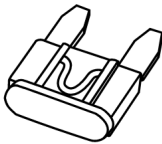
Accessory Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



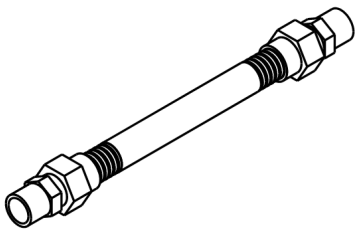
0030



0040



0050



0070



0100



0120

Accessory Group

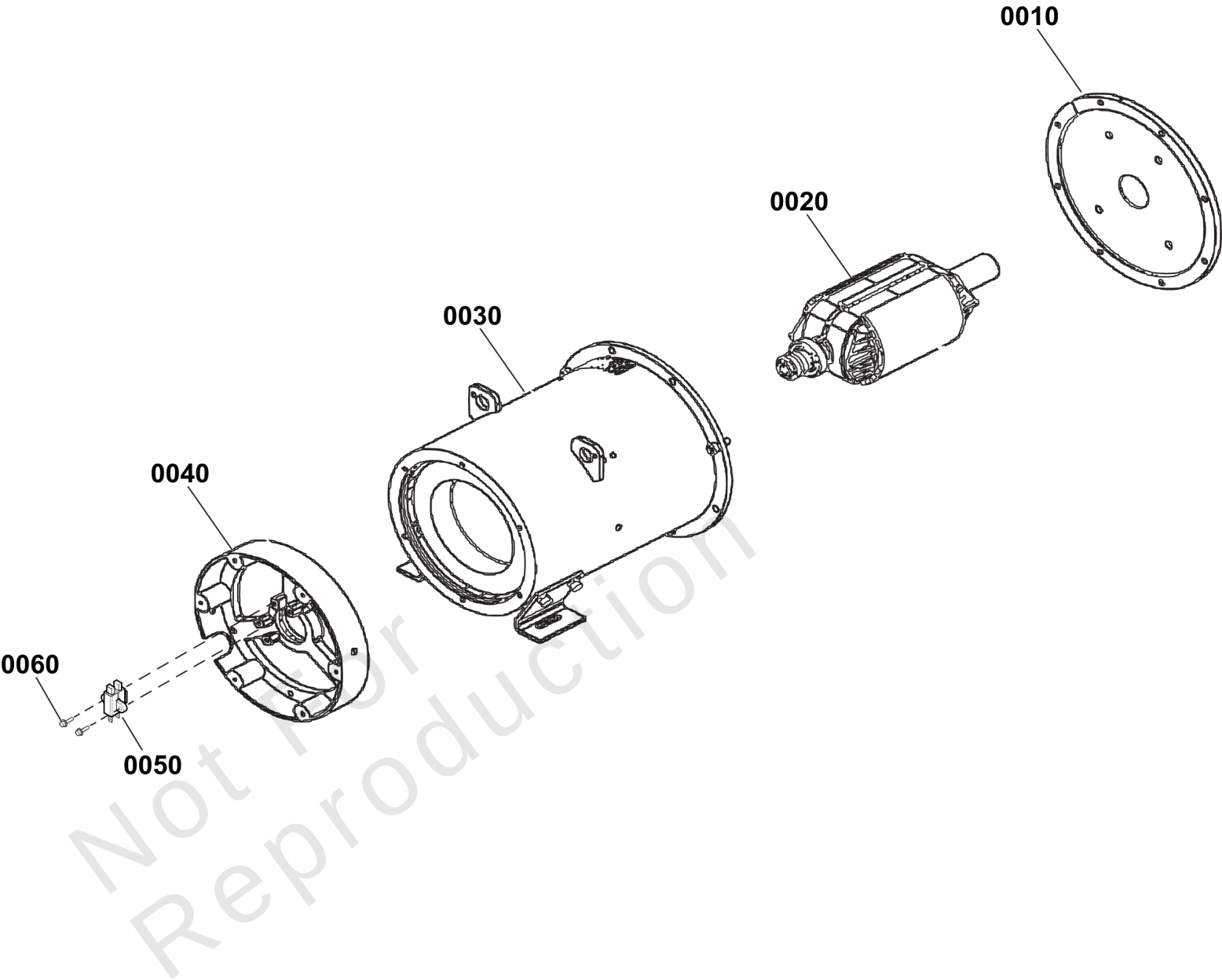
REF NO	PART NO	QTY	DESCRIPTION
0030	206976GS	1	FITTING
0040	198573GS	2	FUSE, Auto Type, 15 Amp
0050	198460GS	4	PLUG, Dome
0070	202295GS	1	HOSE-FLEX NG/LPG
0100	706988	1	HANG TAG-ATTN. STANDBY EQUIPMENT
0120	314290GS	1	KEY, Latch

Not For Reproduction

Alternator Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



Alternator Group

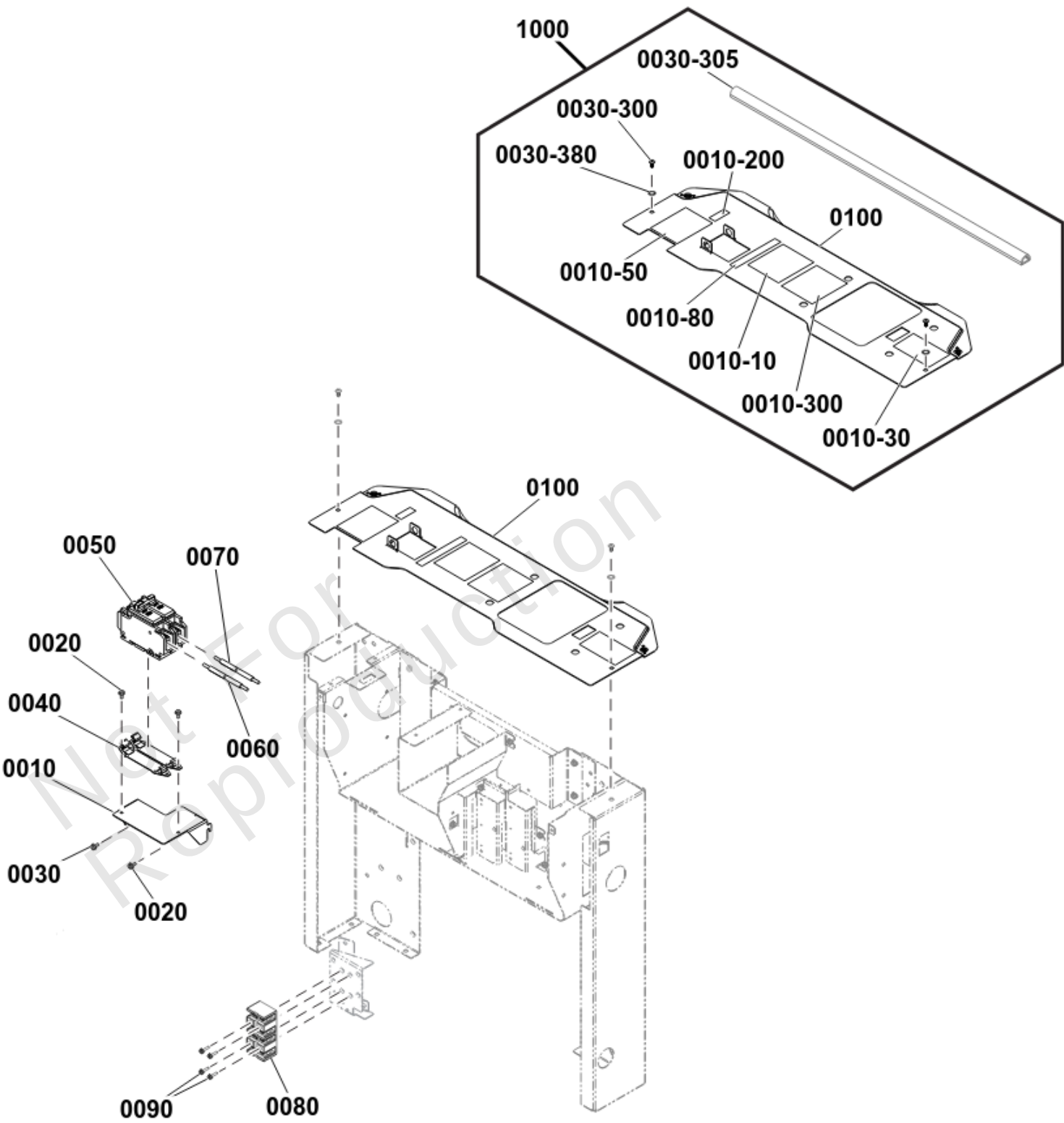
REF NO	PART NO	QTY	DESCRIPTION
0010	84007278	1	ADAPTER
0020	84010877	1	STATOR
0030	84010876	1	ROTOR ASSEMBLY
0040	84007279	1	HOUSING, Bearing
0050	66386GS	1	ASSY, Holder, Brush
0060	66849GS	2	TAPTITE, M5 - 0.8 x 16

Not For Reproduction

Circuit Breaker Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



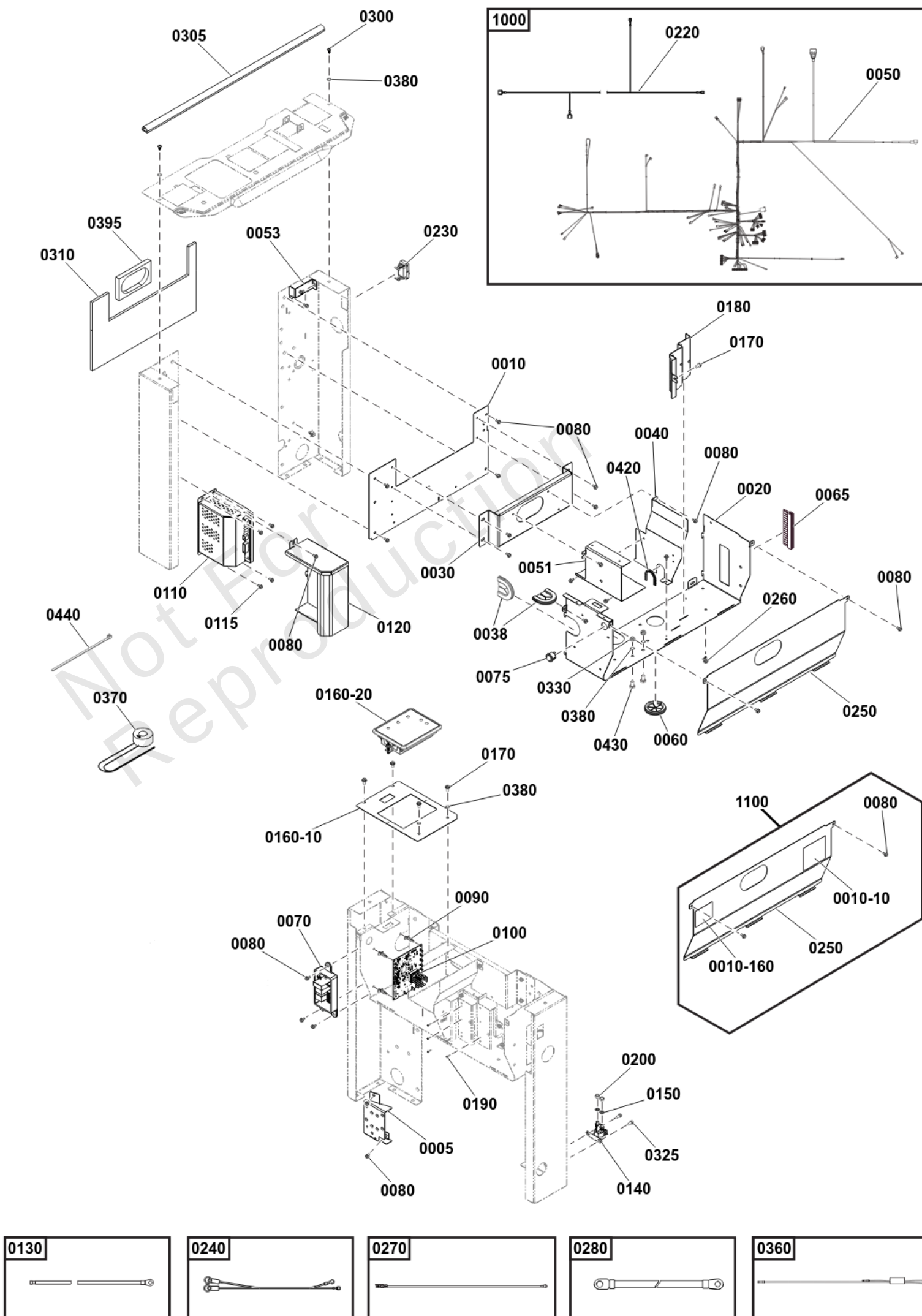
Circuit Breaker Group

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	1	BRACKET
0020	194561GS	3	HHS, Trilobular, #10-32 x 3/8
0030	-----	1	SCREW, 10-16 X 3/8
0040	192770GS	2	BRACKET, Mounting / Breaker
0050	311318GS	1	BREAKER, Circuit, 100A
0060	-----	1	WIRE, Power
0070	-----	1	WIRE, Power
0080	84006390	1	BLOCK, Terminal
0090	707520	4	SCREW, Taptite
0100	-----	1	COVER, Control Panel
1000	84007050	1	KIT, Cover, Control Panel -(Includes Ref. Nos. 0010-10, 0010-30, 0010-50, 0010-80, 0010-200, 0010-300, 0030-300, 0030-305, 0030-380, 0100)
0010-10	-----	1	DECAL-WARNING, SHOCK -(Part information located in Decals Group.)
0010-30	-----	1	DECAL-WARNING, FUSE -(Part information located in Decals Group.)
0010-50	-----	1	DECAL, Warning, Manual -(Part information located in Decals Group.)
0010-80	-----	1	DECAL-DISCONNECT -(Part information located in Decals Group.)
0010-200	-----	1	DECAL, FCC, ICES-3 -(Part information located in Decals Group.)
0010-300	-----	1	DECAL, Warning -(Part information located in Decals Group.)
0030-300	84006392	2	SCREW, #10-32 X 3/8 -(Part information located in Control Panel Group.)
0030-305	-----	1	SEAL, Bulb -(Part information located in Control Panel Group.)
0030-380	-----	2	WASHER, Ext. M6 - 1/4" Shakeproof -(Part information located in Control Panel Group.)
0100	-----	1	COVER, Control Panel

Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



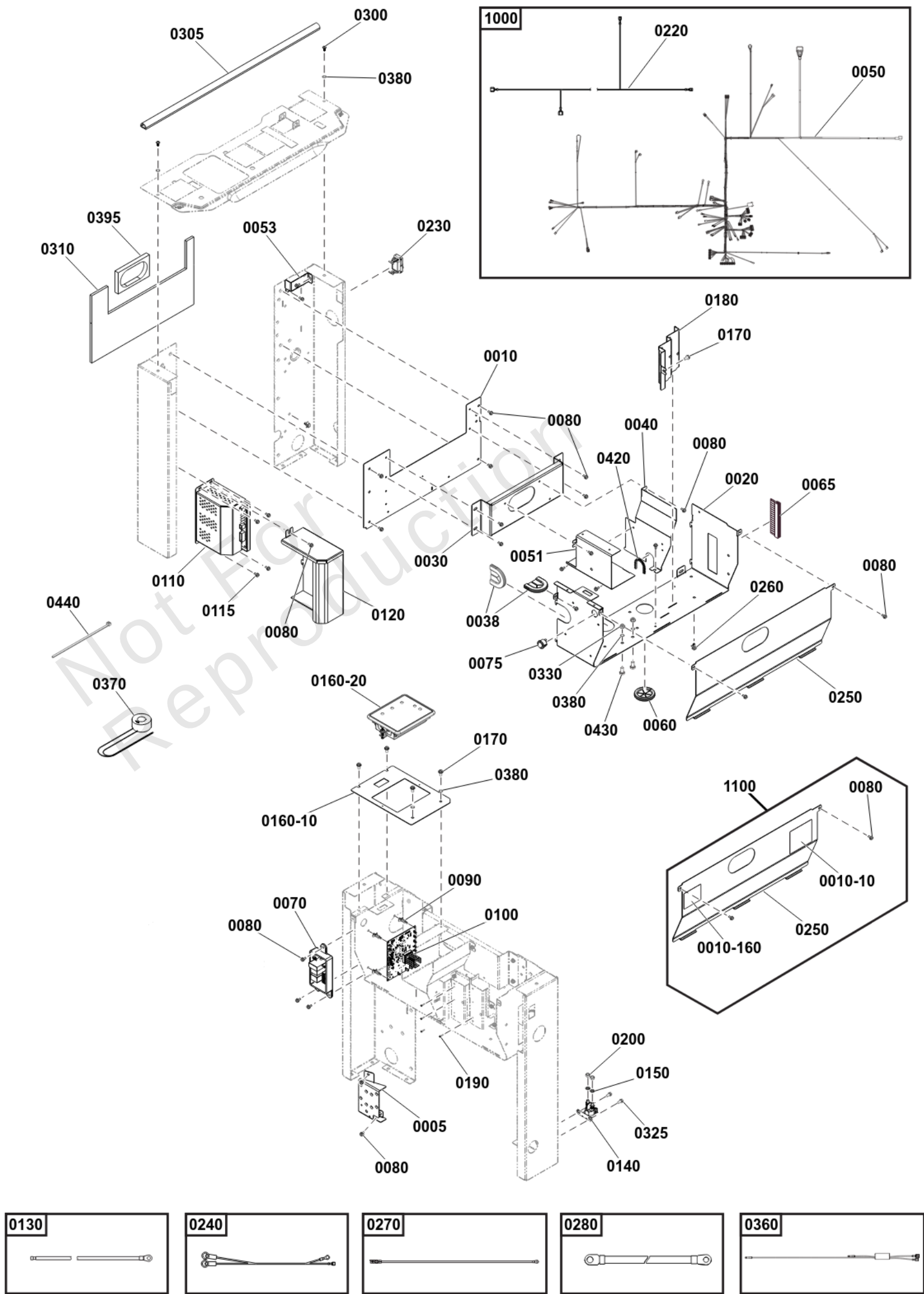
Control Panel Group

REF NO	PART NO	QTY	DESCRIPTION
0005	-----	1	BRACKET, Terminal Block
0010	-----	1	PANEL
0020	-----	1	BASE
0030	-----	1	PANEL
0038	-----	2	GROMMET
0040	-----	1	DIVIDER
0051	-----	1	BRACKET
0053	-----	1	BRACKET
0060	-----	2	GROMMET
0065	-----	2	GROMMET
0070	772336	1	ASSEMBLY, Relay
0075	315551GS	1	SWITCH, Rocker
0080	194561GS	18	HHS, Trilobular, #10-32 x 3/8
0090	772379	4	SUPPORT, Circuit Board
0100	84010843	1	ASSEMBLY, AVR
0110	772376	1	CHARGER, Battery
0115	-----	4	SCREW, #10-32 X 1/2
0120	-----	1	COVER
0130	84007028	1	WIRE, Power
0140	1755381YP	1	SOLENOID, L-BRACKET
0150	22129GP	2	WASHER, 5/16 - M8, Lock
0160-10	-----	1	COVER, Control Panel
0160-20	84007051	1	CONTROLLER
0170	-----	12	SCREW, 10-16 X 3/8
0180	-----	1	BRACKET
0190	314691GS	5	SCREW, Taptite, M2.5-.45 X 12
0200	703331	2	NUT, 5/16-24
0230	772341	1	SWITCH, Rocker
0240	84007026	1	HARNESS, Intermediate, Relay
0260	195733GS	4	MOUNT, Tie Wrap
0270	84008694	1	HARNESS, Battery
0280	706527	1	WIRE, Ground
0300	-----	2	SCREW, #10-32 X 3/8
0305	-----	1	SEAL, Bulb
0310	-----	1	INSULATION
0325	704130	3	SCREW, HEX, 1/4-20X.5
0330	5025391SM	2	NUT, Hex Nylock, Flange, 1/4-20
0360	84004583	1	HARNESS
0370	772339	2	TRANSFORMER, Current, 150:5
0380	26850GS	7	WASHER, Ext. M6 - 1/4" Shakeproof
0395	-----	1	SEAL
0420	-----	1	GROMMET
0430	703818	2	CAPSCREW, 1/4-20X0.5
0440	29333AGS	3	TIEWRAP, 7 LG BLK
1000	84010878	1	KIT, Harness -(Includes Ref. Nos. 0050, 0220)
0050	-----	1	HARNESS, Main
0220	-----	1	HARNESS, Fuel Select
1100	84011527	1	KIT, Panel, Control Box -(Includes Ref. Nos. 0010-10, 0010-160, 0080, 0250)
0010-10	-----	1	DECAL-WARNING, SHOCK -(Part information located in Decals Group.)

Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

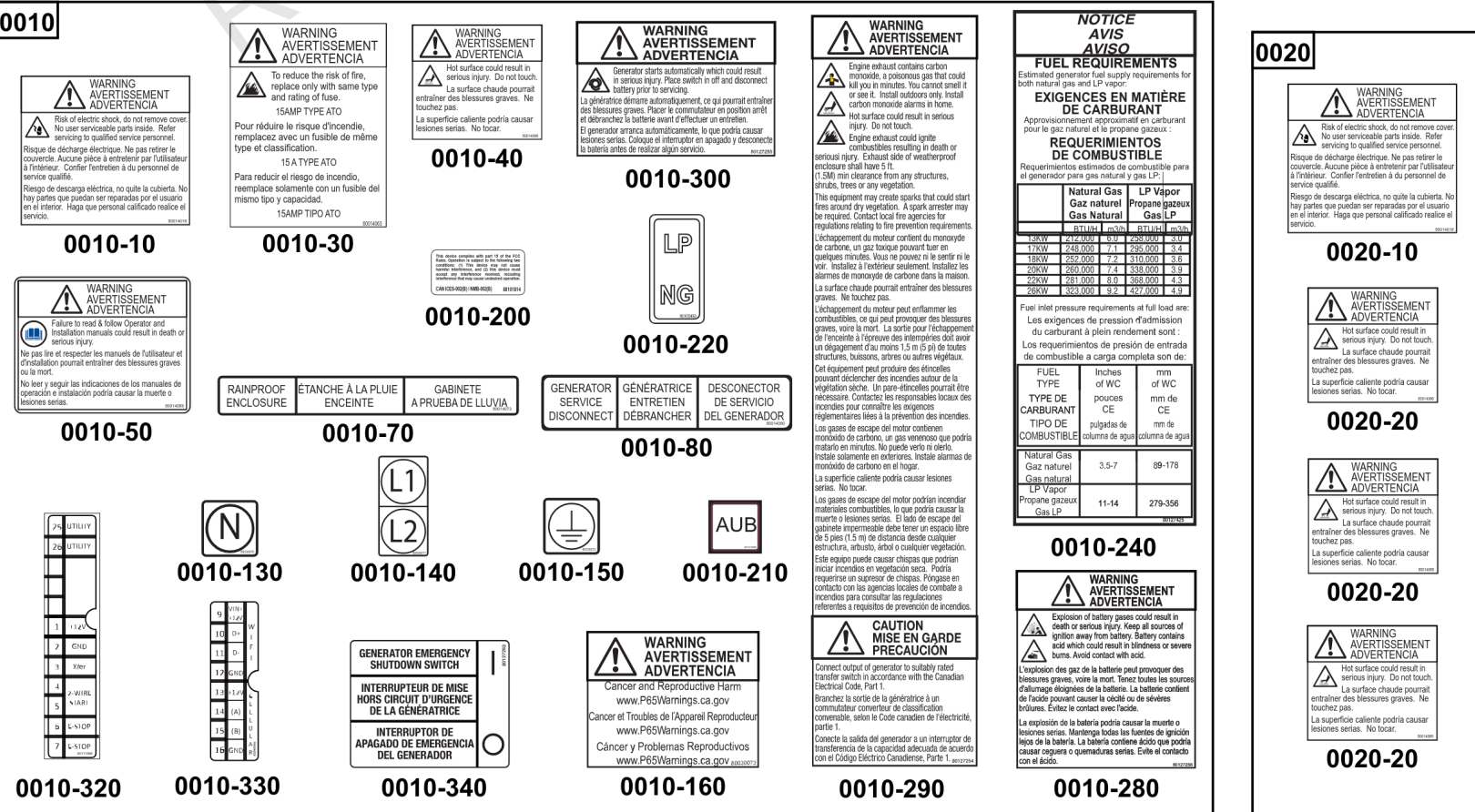
Mfg. No: 040783-00



Control Panel Group

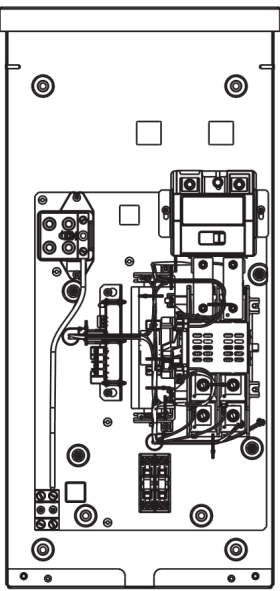
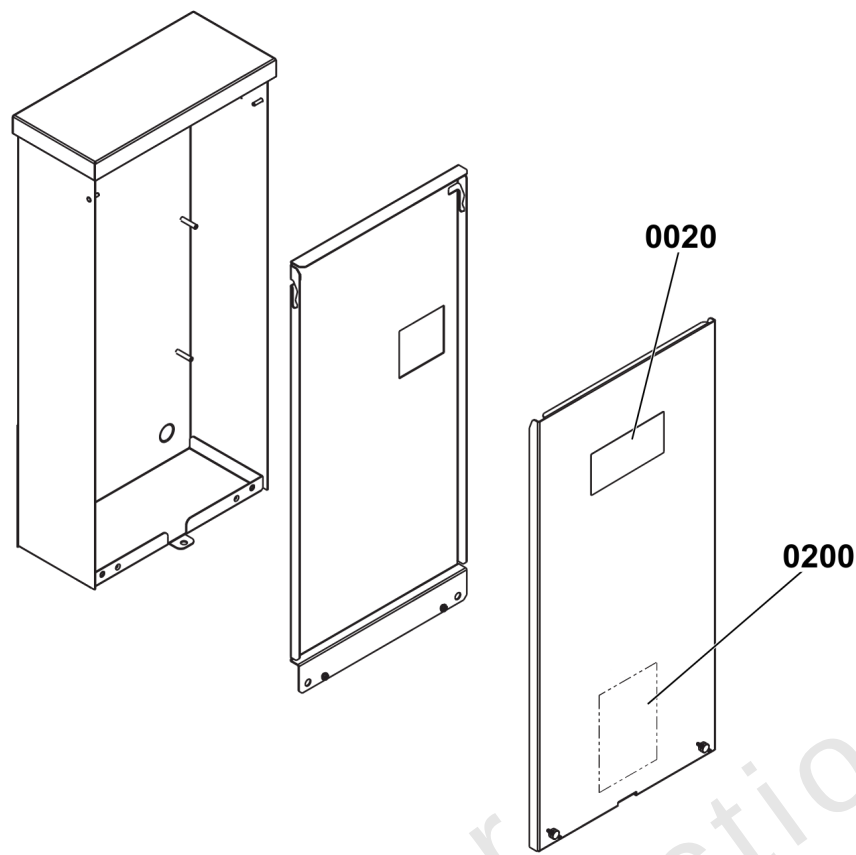
REF NO	PART NO	QTY	DESCRIPTION
0010-160	-----	1	DECAL, Warning -(Part information located in Decals Group.)
0080	194561GS	2	HHS, Trilobular, #10-32 x 3/8
0250	-----	1	PANEL, Control Box

Not For Reproduction



Decals Group

REF NO	PART NO	QTY	DESCRIPTION
0010	84010842	1	DECAL, Warning, Sheet -(Includes items 0010-0010 thru 0010-0340)
0010-10	-----	1	DECAL-WARNING, SHOCK
0010-30	-----	1	DECAL-WARNING, FUSE
0010-40	-----	2	DECAL-WARNING, HOT SURFACE
0010-50	-----	1	DECAL, Warning, Manual
0010-70	-----	1	DECAL-RAINPROOF ENCLOSURE
0010-80	-----	1	DECAL-DISCONNECT
0010-130	-----	1	DECAL, Neutral
0010-140	-----	1	DECAL, L1/L2
0010-150	-----	1	DECAL, Ground
0010-160	-----	1	DECAL, Warning -(The installation of this decal is required for units manufactured after 08/30/2018 and sold in the state of California.)
0010-200	-----	1	DECAL, FCC, ICES-3
0010-210	-----	1	DECAL, MOR, AUBURN
0010-220	-----	1	DECAL, Fuel Selection
0010-240	-----	1	DECAL, Notice Fuel Requirements
0010-280	-----	1	DECAL, Warning, Battery
0010-290	-----	1	DECAL, Warning, Exhaust
0010-300	-----	1	DECAL, Warning, Auto Start
0010-320	-----	1	DECAL, Terminal Strip
0010-330	-----	1	DECAL, Terminal Strip
0010-340	-----	1	DECAL, Emergency Shutdown
0020	84007020	1	DECAL SHEET - WARNINGS -(Includes items 0540-10, 0540-20)
0020-10	-----	1	DECAL-WARNING, SHOCK
0020-20	-----	3	DECAL-WARNING, HOT SURFACE
0040-80	-----	1	DECAL
0040-90	-----	1	DECAL
0100	-----	1	DECAL, Brand, PP22



0020

Briggs & Stratton Corporation
SERVICE DISCONNECT SWITCH AND AUTOMATIC TRANSFER SWITCH

RATED VOLTAGE 240 VAC DATE OF MANUFACTURE
RATED CURRENT 200 AMP

THESE DEVICES ARE INTENDED FOR USE ON A 120/240 VAC SINGLE PHASE, THREE WIRE SYSTEM.
THIS TRANSFER SWITCH IS SUITABLE FOR USE IN A CIRCUIT CAPABLE OF DELIVERING
SHORT CIRCUIT CURRENT, UTILITY SIDE 20KAC AND GENERATOR SIDE 15KAC AT 240VAC.

AUTOMATIC TRANSFER SWITCH FOR USE ON STANDBY SYSTEMS
Suitable for control of motors, electric discharge lamps, tungsten filament lamps, and electrical heating
equipment with the sum of the motor full load ampere ratings and the ampere rating of other loads does not
exceed the rating of the switch, and the tungsten load does not exceed 30 percent of the switch rating.

AUTOMATIC SEQUENCE
UTILITY FAIL - Utility voltage sensor senses when utility voltage is below 70% of nominal.
Engine start sequence is initiated after 6 second time delay.
ENGINE WARM-UP - Time delay to allow engine warm-up before transfer fixed at
20 seconds or 50 seconds with optional cold weather package.
TRANSFER - Transfer from utility to standby supply occurs after standby voltage is
above set levels. Minimum engine run time is 4 minutes after transfer.
UTILITY PICKUP - Voltage pickup level is 80% of nominal voltage.
RETRANSFER - Retransfer from generator utility supply 10 seconds after utility
voltage is above pickup level.
ENGINE COOL DOWN - Engine will run for 60 seconds after retransfer.

Testing of Automatic Transfer Switch - Turn the service disconnect switch to
the "OFF" position. The automatic sequence will follow. To go back to utility power,
turn the service disconnect to the "ON" position.

ON THE GENERATOR SIDE, THIS TRANSFER SWITCH IS SUITABLE FOR USE IN A CIRCUIT CAPABLE OF DELIVERING THE SHORT
CIRCUIT CURRENT OF 15KA AT 240VAC WHEN PROTECTED BY A BREAKER WITH A MAXIMUM CLOSING TIME OF 0.025 SECS.

Suitable for use as service equipment- NORMAL source only. An additional
disconnect must be readily available for the alternate source, unless the alternate
source is an accessible generator and can be readily shutdown.

Consult Jemars Manuals for explanation of
Transfer System operation and features.
Enclosure is type NEMA 3R, suitable for
indoor and outdoor installation.
Wiring to generator must be
enclosed in conduit.
Connect utility and standby
generator supply as shown

TRANSFER SWITCH

CONNECTOR LIGHTNING TAPES SHALL BE AS FOLLOWS:

UTILITY	LB IN.	GROUND	LB IN.
GENERATOR	250	CONTROL	50
NEUTRAL	250	FUSEBLOCKS	12

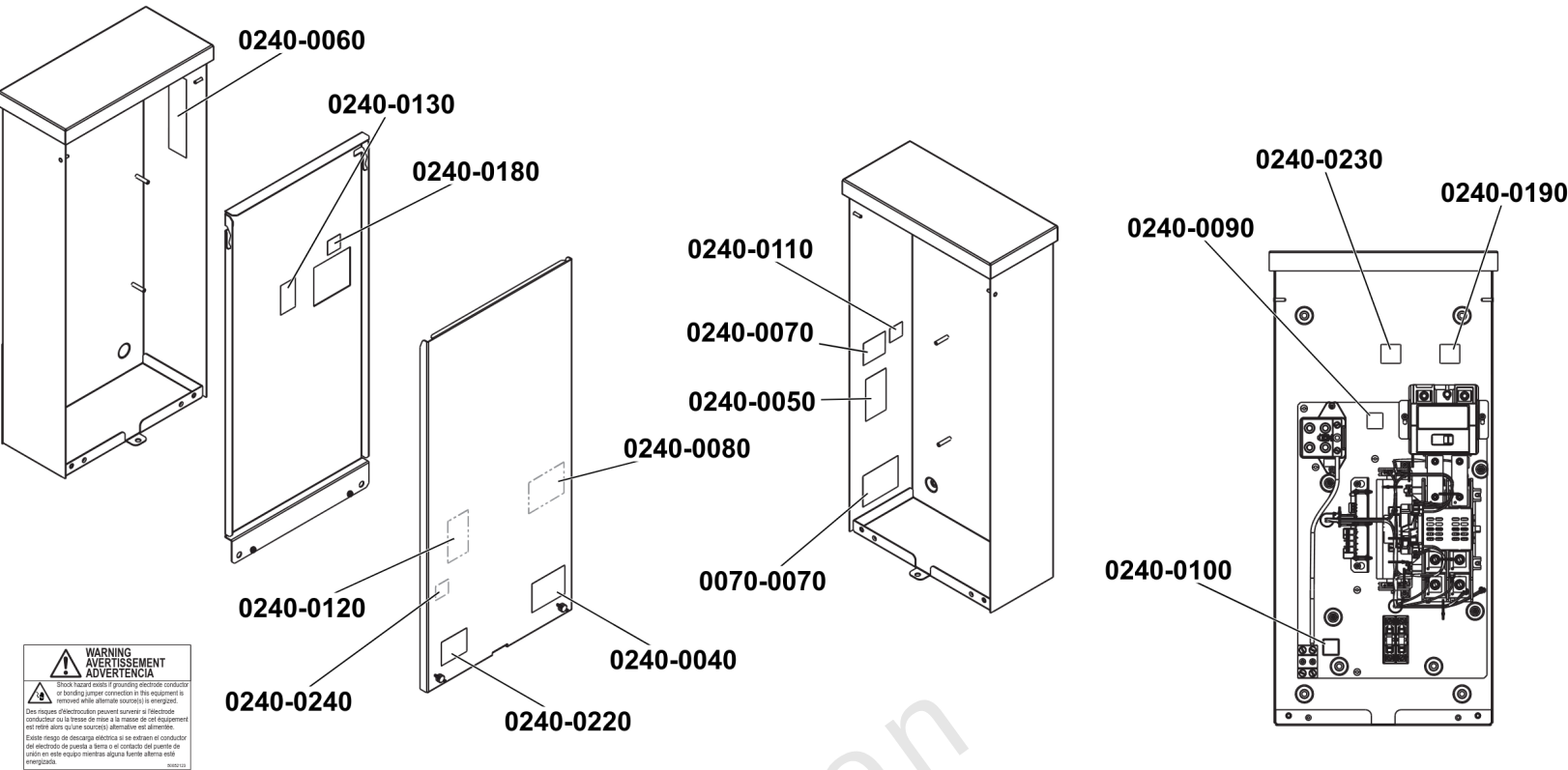
Use oxide inhibitor on all aluminum terminations. All terminal
and bus lugs are suitable for copper or aluminum wire of 60/75 °C rating. 80085406

0200

Decals Group - ATS Informational

REF NO	PART NO	QTY	DESCRIPTION
0020	-----	1	DECAL, Logo
0200	84004859	1	DECAL, Transfer Switch, 200A

Not For Reproduction



0070-0070

0240 Suitable for use as service equipment in Canada Peut être utilisé comme équipement de réparation au Canada Adecuado para uso como equipo de servicio en Canadá 8001160202	NOTICE AVIS AVISO A-A Terminals rated 1 AMP, 24 Volt AC B-B Terminals rated 1 AMP, 120 Volt AC Pilot duty. Bornes A-A pour une tension nominale de 1 A, 24 V c.a. Bornes B-B pour une tension de 1 A, 120 V c.a. Service du pilote. Terminales calibrados A-A 1 Amperio, 24 Voltios CA Terminales calibrados B-B 1 Amperio, 120 Voltios CA Relé auxiliar. 8001160204	Continuous load current not to exceed 80% of circuit breaker rating Le courant de charge en continu ne dépasse pas 80% du courant nominal du disjoncteur La carga de corriente permanente no debe exceder el 80% del calibre del interruptor 8001160207	When protected by one of the type circuit breakers described below, rated not more than 125 amperes, this transfer switch is rated for use on a circuit capable of delivering not more than 22,000ms symmetrical, 240volts max. Lorsqu'il est protégé par l'un des types de disjoncteurs de circuit décrits ci-dessous, avec une valeur nominale ne dépassant pas 125 A cet interrupteur de transfert est coté pour une utilisation sur un circuit capable de fournir au maximum un courant de 22 000 RMS symétrique, avec un voltage de 240V maximum. Quando se proteger por uno de los tipos de interruptores que se describen a continuación, con un calibre no mayor a 125 amperios, este interruptor de transferencia está calificado para ser usado en un circuito capaz de suministrar no más de 22,000ms simétricos, máximo 240 voltios. Outter-HammerType QCHW Outter-HammerType GB, GHB, GC, GHC Outter-HammerType FD, CD, HFD Square DType ODM1, ODM2, ODMH, ODM2/H Square DType Q2-H, Q2H, QDL GETypeTHQB, THQBCTH, THQD, TQDL, THQDL SiemensType HED4 8001161028	Utility Disconnect Fonctionnalité Débrancher Utilidad Desconectar 8001161028
0240-0010 WARNING AVERTISSEMENT ADVERTENCIA Risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel. Risque de décharge électrique. Ne pas retirer le couvercle. Aucune pièce à entretenir par l'utilisateur à l'intérieur. Confier l'entretien à du personnel de service qualifié. Riesgo de descarga eléctrica, no quite la cubierta. No hay partes que puedan ser reparadas por el usuario en el interior. Haga que personal calificado realice el servicio. 8001160202	0240-0050 NOTICE AVIS AVISO Wire all Class 2 circuits using types CL3, CL3P, CL3R or equivalent conductors. OR Wire all circuits as Class 1 or Electric Light and Power circuits. Lier tous les circuits électrique de Classe 2 en utilisant des conducteurs CL3, CL3P, CL3R ou équivalent. OU Lier tous les circuits électriques en tant que Classe 1 ou comme lumière électrique ou circuits d'alimentation. Conecte todos los circuitos de clase 2 al usar conductores de tipo CL3, CL3P, CL3R o equivalentes. O Conecte todos los circuitos como clase 1 o luz eléctrica y circuitos de energía. 8001160205	0240-0080 Utility 240 VAC Fonctionnalité 240 V CA Utilidad 240 VAC 8001160209	0240-0140 When protected by one of the type circuit breakers described below, rated not more than 250 amperes, this transfer switch is rated for use on a circuit capable of delivering not more than 25,000ms symmetrical, 240volts max. Lorsqu'il est protégé par l'un des types de disjoncteurs de circuit décrits ci-dessous, avec une valeur nominale ne dépassant pas 250 A cet interrupteur de transfert est coté pour une utilisation sur un circuit capable de fournir au maximum un courant de 25 000 RMS symétrique, avec un voltage de 240V maximum. Quando se proteger por uno de los tipos de interruptores que se describen a continuación, con un calibre no mayor a 250 amperios, este interruptor de transferencia está calificado para ser usado en un circuito capaz de suministrar no más de 25,000ms simétricos, máximo 240 voltios. Outter-HammerType BWH, CSR, Outter-HammerType FD, HFD Outter-HammerType JTB, JD, HJD Square DType QDM2, QDM2H Square DType QOM2, QOM2H Square DType Q2-H, Q2H, QDL GETypeTHQD, THQDL GEType SF, TFI, TFK 8001160234	0240-0180 Utility Connection Fonctionnalité Connexion Utilidad Conexión 8001161044
0240-0020 WARNING AVERTISSEMENT ADVERTENCIA Electric shock hazard could result in death or serious injury. Do not install or remove current transformer when generator is operating. Place generator in off position and remove controller fuse before servicing. Risque de choc électrique pouvant provoquer des blessures graves, voire la mort. Ne pas installer ou retirer le transformateur de courant lorsque la génératrice est en fonction. Placez la génératrice à la position d'arrêt et retirez le fusible de contrôle avant tout entretien. Riesgo de descarga eléctrica que puede resultar en muerte o lesión seria. No instale ni retire el transformador cuando el generador está en funcionamiento. Apague el generador y retire el fusible del controlador antes de reparar. 800115809	0240-0060 Replace with UL listed fuse of same type and rating 600 volt, 10 amp Remplacez avec un fusible homologue UL de même type et classification de 600 volts, 10 amp. Reemplace con un fusible certificado por UL del mismo tipo y clasificación: 600 voltios, 10 amperios 8001158119	0240-0110 Suitable for use as service equipment except in Canada Peut être utilisé comme équipement de réparation à l'exception du Canada Adecuado para uso como equipo de servicio excepto en Canadá 8001161000	0240-0160 Generator Service Disconnect Générateur Réparation Débrancher Generador Servicio Desconectar 8001160209	0240-0190 Generator Connection Générateur Connexion Generador Conexión 8001161028
0240-0030 WARNING AVERTISSEMENT ADVERTENCIA Electric shock hazard could result in death or serious injury. More than one live circuit – disconnect all sources of supply before servicing. Risque de choc électrique pouvant provoquer des blessures graves, voire la mort. Plus d'un circuit sous tension – débrancher toutes les sources d'alimentation avant d'entreprendre le dépannage. Riesgo de descarga eléctrica que puede resultar en muerte o lesión seria. Más de un circuito vivo – desconecte todas las fuentes de suministro antes de servicio. 80089650	0240-0070 Reinstall Barrier After Service or Maintenance Réinstaller la barrière Après la réparation ou l'entretien Reinstalar barreras Después del servicio o Mantenimiento 800116101	0240-0120 Service Disconnect Réparation Débrancher Servicio Desconectar 8001161028	0240-0170 Service Disconnect Réparation Débrancher Servicio Desconectar 8001161028	0240-0200 Located at Generator Située à Génératrice Ubicado en Generador 8001161027
0240-0040 WARNING AVERTISSEMENT ADVERTENCIA Cancer and Reproductive Harm www.P65Warnings.ca.gov Cancer et Troubles de l'Appareil Reproducteur www.P65Warnings.ca.gov Cáncer y Problemas Reproductivos www.P65Warnings.ca.gov 80030073	0240-0130 Reinstall Barrier After Service or Maintenance Réinstaller la barrière Après la réparation ou l'entretien Reinstalar barreras Después del servicio o Mantenimiento 800116101	0240-0150 Generator Service Disconnect Générateur Réparation Débrancher Generador Servicio Desconectar 8001160209	0240-0210 WARNING AVERTISSEMENT ADVERTENCIA Cancer and Reproductive Harm www.P65Warnings.ca.gov Cancer et Troubles de l'Appareil Reproducteur www.P65Warnings.ca.gov Cáncer y Problemas Reproductivos www.P65Warnings.ca.gov 80030073	0240-0220 Generator Disconnect Located at Generator Disjoncteur d'interruption générateur situé sur la génératrice Generador desconectar localizado en generador 8001161024
		0240-0160 Service Disconnect Réparation Débrancher Servicio Desconectar 8001161028	0240-0230 MFG. ID: AUB 8011000	
		0240-0170 Service Disconnect Réparation Débrancher Servicio Desconectar 8001161028	0240-0240 MFG. ID: AUB 8011000	

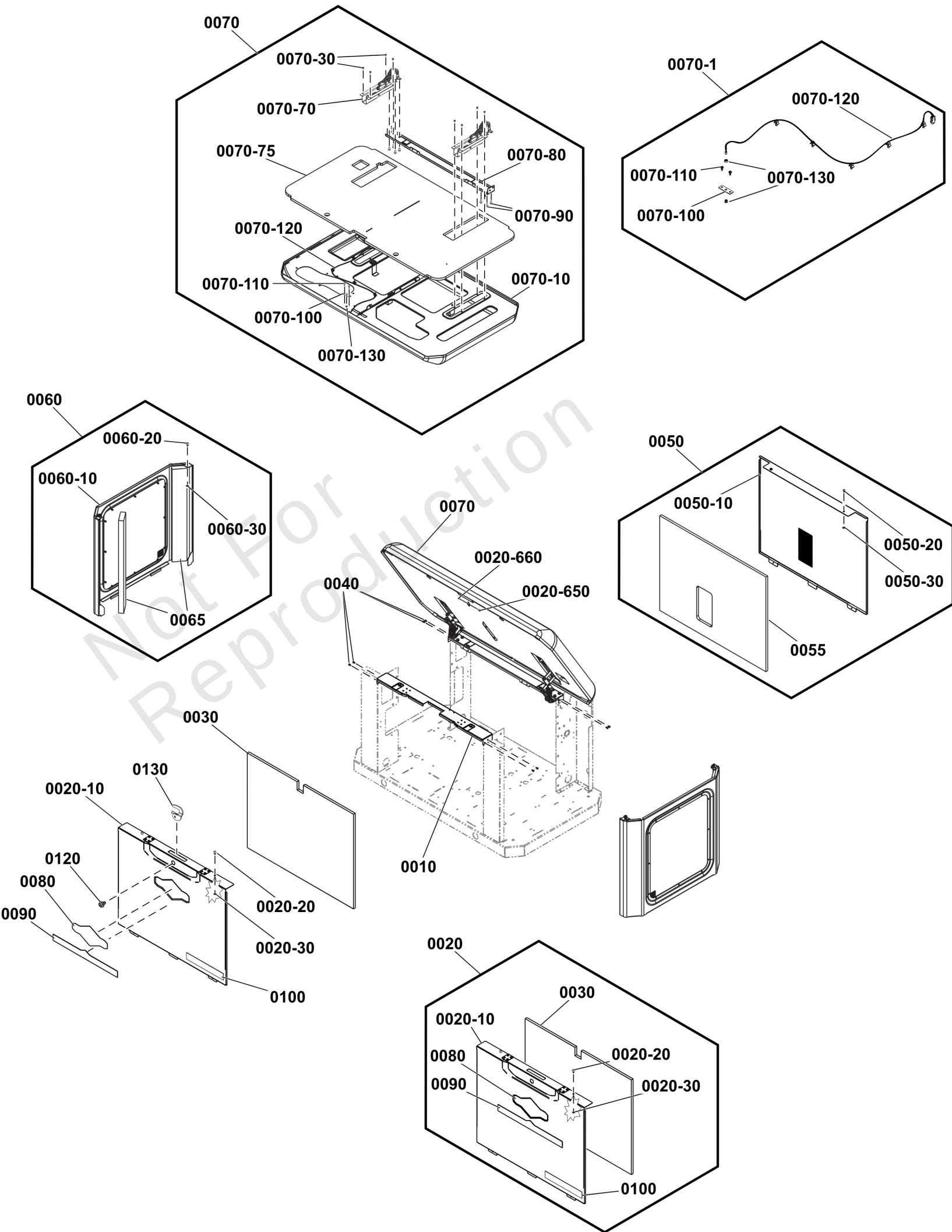
Decals Group - ATS Warning

REF NO	PART NO	QTY	DESCRIPTION
0070-0070	-----	1	DECAL, Warning, Shock Hazard
0240	84007663	1	DECAL SHEET - WARNINGS -(Includes items 0240-0010 thru 0240-0240)
0240-0010	-----	1	DECAL, Suitable as SRV Equipment, Canada
0240-0020	-----	1	DECAL-WARNING, SHOCK
0240-0030	-----	1	DECAL-WARNING, ELECTRIC SHOCK
0240-0040	-----	1	DECAL-WARNING, ELECTRIC SHOCK
0240-0050	-----	1	DECAL, Notice, Contacts Rated
0240-0060	-----	1	DECAL, Notice, Wire Circuits
0240-0070	-----	1	DECAL-FUSE REPLACEMENT
0240-0080	-----	1	DECAL, Breaker, Circuit
0240-0090	-----	1	DECAL-NEUTRAL
0240-0100	-----	2	DECAL-GROUND
0240-0110	-----	1	DECAL, Utility 240VAC
0240-0120	-----	1	DECAL, Suitable as Service Equipment
0240-0130	-----	1	DECAL, Reinstall Barrier
0240-0140	-----	1	DECAL, Approved Circuit Breakers, 100A
0240-0150	-----	1	DECAL, Approved Circuit Breakers, 200A
0240-0160	-----	1	DECAL, Generator Service Disconnect
0240-0170	-----	2	DECAL, Service Disconnect
0240-0180	-----	2	DECAL, Disconnect, Utility
0240-0190	-----	2	DECAL, Connection, Utility
0240-0200	-----	1	DECAL, Connection, Generator
0240-0210	-----	1	DECAL, Location
0240-0220	-----	1	DECAL, Warning -(The installation of this decal is required for units manufactured after 08/30/2018 and sold in the state of California.)
0240-0230	-----	1	DECAL, Generator Disconnect Located at Generator
0240-0240	-----	1	DECAL, MOR, AUBURN

Enclosure Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



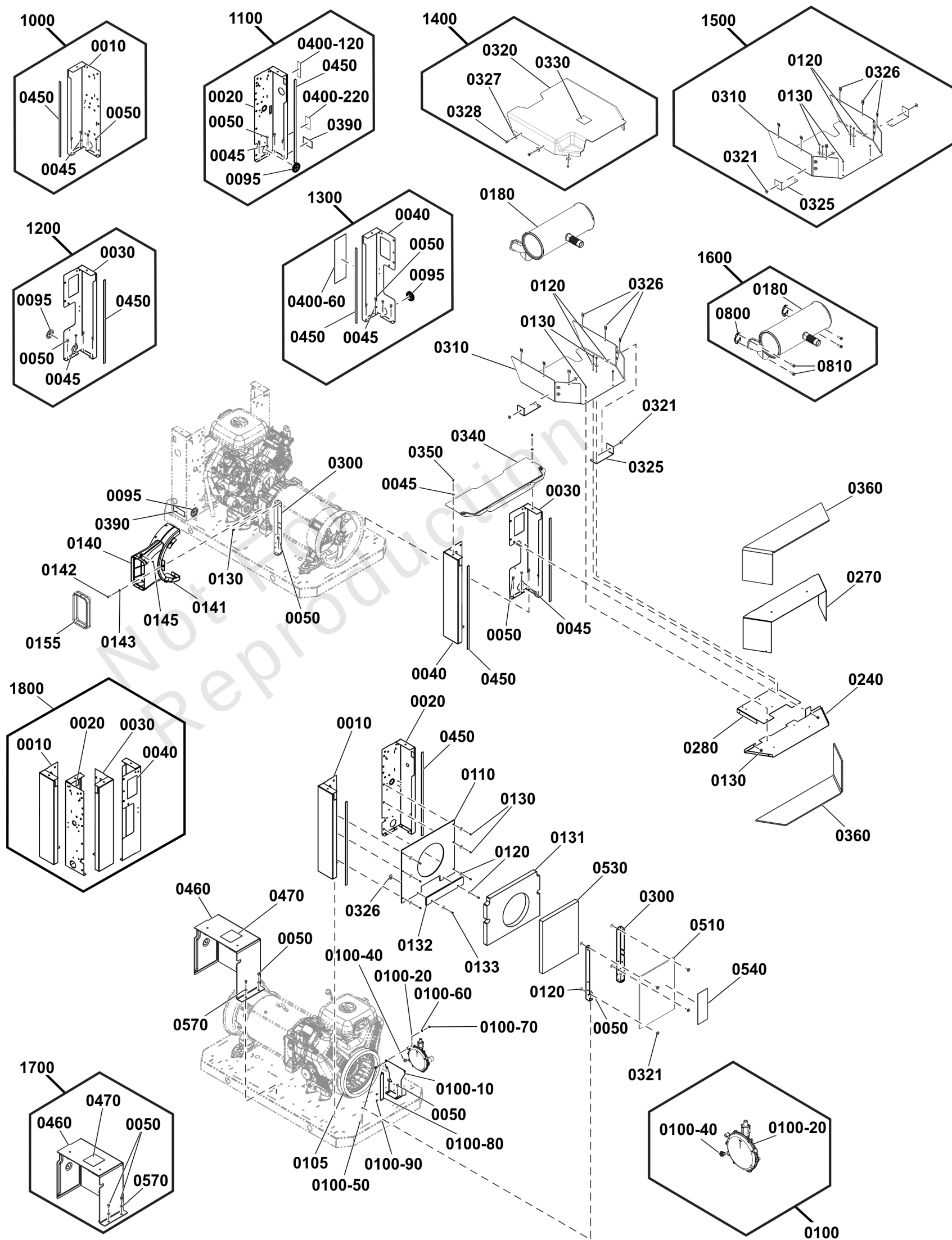
Enclosure Group

REF NO	PART NO	QTY	DESCRIPTION
0010	84006384	1	RAIL, Front
0020	6936	1	ASSEMBLY, Panel, Front -(Incl. Ref. Nos. 0020-10, 0020-20, 0020-30, 0030, 0080, 0090, 0100)
0020-10	-----	1	PANEL, Front
0020-20	-----	2	SCREW, Captive
0020-30	-----	2	RETAINER
0030	-----	1	INSULATION
0080	-----	1	DECAL
0090	-----	1	DECAL
0100	-----	1	DECAL, Brand, PP22
0020-650	84007139	1	BARREL, Binding
0020-660	36901GS	1	PPHMS, 6-32 X 3/8
0040	84006392	8	SCREW, #10-32 X 3/8
0050	6858	1	ASSEMBLY, Panel, Back -(Incl. Ref. Nos. 0050, 0050-20, 0050-30, 0055)
0050-10	-----	1	PANEL, Back
0050-20	-----	2	SCREW, Captive
0050-30	-----	2	RETAINER
0055	-----	1	INSULATION
0060	6859	2	ASSEMBLY, Panel, End -(Incl. Ref. Nos. 0060-10, 0060-20, 0060-30, 0065)
0060-10	-----	1	PANEL, End
0060-20	-----	2	SCREW, Captive
0060-30	-----	2	RETAINER
0065	-----	2	INSULATION
0070	6860	1	ASSEMBLY, Roof -(Incl. Ref. Nos. 0070-10, 0070-30, 0070-70, 0070-75, 0070-80, 0070-90, 0070-100, 0070-110, 0070-120, 0070-130)
0070-10	-----	1	PANEL, Roof
0070-30	-----	8	RIVET, Blind, 1/8 X 5/16
0070-70	-----	2	HINGE, Roof
0070-75	-----	1	INSULATION
0070-80	-----	1	SUPPORT, Rail
0070-90	704130	8	SCREW, HEX, 1/4-20X.5
0070-100	-----	1	PLATE, Mount
0070-110	205947GS	2	SCREW, Trilobular, #10-32 x 3/4
0070-120	-----	1	HARNESS, Wire
0070-130	-----	1	CLIP, Mounting
0070-1	84008085	1	KIT, Light -(Incl. Ref. Nos. 0070-100, 0070-110, 0070-120, 0070-130)
0070-100	-----	1	PLATE, Mount
0070-110	205947GS	2	SCREW, Trilobular, #10-32 x 3/4
0070-120	-----	1	HARNESS, Wire
0070-130	-----	1	CLIP, Mounting
0080	-----	1	DECAL
0090	-----	1	DECAL
0100	-----	1	DECAL, Brand, PP22
0120	314619GS	1	LATCH
0130	84006387	1	LATCH, Arm

Fuel, Duct & Support Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



Fuel, Duct & Support Group

REF NO	PART NO	QTY	DESCRIPTION
0045	26850GS	6	WASHER, Ext. M6 - 1/4" Shakeproof
0050	704130	23	SCREW, HEX, 1/4-20X.5
0100	84006385	1	FUEL REGULATOR ASSEMBLY -(Includes Ref. Nos. 0100-20, 0100-40)
0100-10	706379	1	BRACKET
0100-20	-----	1	FUEL REGULATOR ASSEMBLY
0100-40	318002GS	1	FITTING
0100-50	38750GS	2	HHCS, M6 - 1.0 x 30
0100-60	22097GS	2	WASHER
0100-70	49813GS	2	NUT, Hex, M6 - 1.0
0100-80	-----	1	BRACKET
0100-90	194561GS	2	HHS, Trilobular, #10-32 x 3/8
0105	-----	1	SEAL, Ring
0110	84006038	1	PANEL, Intake
0120	-----	25	WASHER, Flat, #10, Fender -(*See footnote)
0130	194561GS	19	HHS, Trilobular, #10-32 x 3/8
0131	-----	1	INSULATION
0132	-----	1	INSULATION
0133	22473GS	2	FLAT WASHER, M6 - 1/4"
0140	-----	1	DUCT, Left
0141	-----	1	DUCT, Right
0142	52618GS	5	SCREW, M5 x 0.8 x 12
0143	23897GS	5	WASHER, Flat, #10 - M5
0145	-----	3	SCREW, #8-18 X 3/8
0155	-----	1	SEAL
0180	84007030	1	KIT, Muffler
0240	-----	1	PANEL, Bottom
0270	-----	1	PANEL, Top
0280	-----	1	SUPPORT
0300	-----	3	SUPPORT
0321	-----	21	RIVET, BLIND, 3/16 X 5/8
0325	-----	2	BRACKET, Muffler
0326	-----	8	NUT, Clip
0327	71693GS	6	WASHER, Fender
0328	5025010X6	8	BOLT, 1/4"-20 X 3/4" GD5 YZ
0340	84006316	1	PANEL
0350	84006392	2	SCREW, #10-32 X 3/8
0360	-----	2	INSULATION
0450	-----	4	SEAL, Foam
0460	-----	1	PANEL, Battery Box
0510	-----	1	INSULATION
0530	-----	1	INSULATION
0540	-----	1	DECAL, Notice Fuel Requirements -(Part information located in Decals Group.)
0570	-----	2	WASHER
1000	84007045	1	KIT, Support, Right Front -(Includes Ref. Nos. 0010, 0045, 0050, 0450)
0010	-----	1	SUPPORT, Right Front

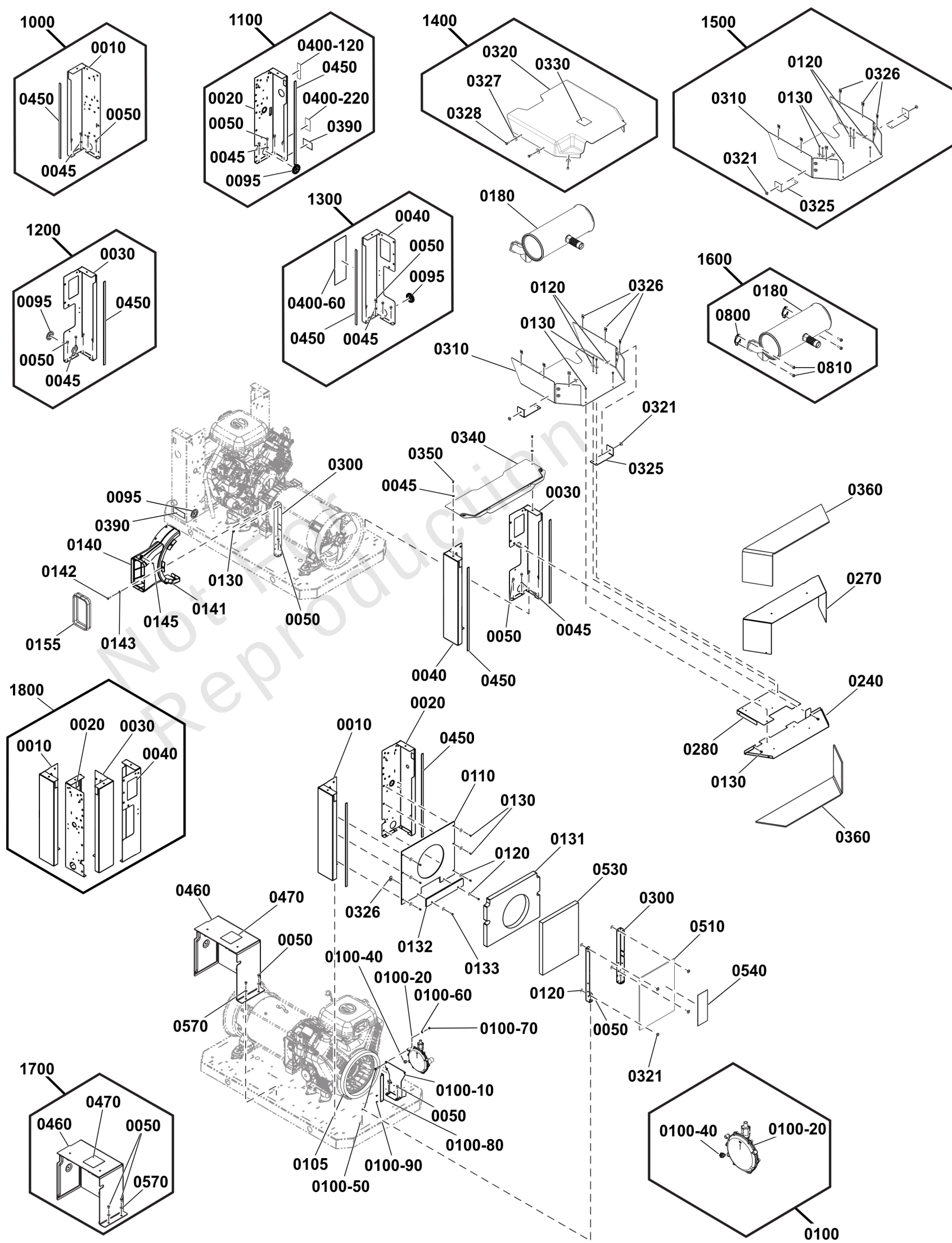
Footnotes:

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

Fuel, Duct & Support Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



Fuel, Duct & Support Group

REF NO	PART NO	QTY	DESCRIPTION
0045	26850GS	1	WASHER, Ext. M6 - 1/4" Shakeproof
0050	704130	4	SCREW, HEX, 1/4-20X.5
0450	-----	1	SEAL, Foam
1100	84007046	1	KIT, Support, Right Back -(Includes Ref. Nos. 0020, 0045, 0050, 0390, 0400-120, 0400-220, 0450)
0010	-----	1	SUPPORT, Right Back
0045	26850GS	1	WASHER, Ext. M6 - 1/4" Shakeproof
0050	704130	4	SCREW, HEX, 1/4-20X.5
0095	-----	1	GROMMET
0390	-----	1	DECAL, SWRI
0400-120	-----	1	DECAL, External Power Switch -(Part information located in Decals Group.)
0400-220	-----	1	DECAL, Fuel Selection -(Part information located in Decals Group.)
0450	-----	1	SEAL, Foam
1200	84007047	1	KIT, Support, Left Front -(Includes Ref. Nos. 0030, 0045, 0050, 0095, 0450)
0030	-----	1	SUPPORT, Left Front
0045	26850GS	1	WASHER, Ext. M6 - 1/4" Shakeproof
0050	704130	4	SCREW, HEX, 1/4-20X.5
0095	-----	1	GROMMET
0450	-----	1	SEAL, Foam
1300	84007048	1	KIT, Support, Left Back -(Includes Ref. Nos. 0040, 0045, 0050, 0095, 0400-60, 0450)
0040	-----	1	SUPPORT, Left Back
0045	26850GS	1	WASHER, Ext. M6 - 1/4" Shakeproof
0050	704130	4	SCREW, HEX, 1/4-20X.5
0095	-----	1	GROMMET
0400-60	-----	1	DECAL-WARNING, EXHAUST -(Part information located in Decals Group.)
0450	-----	1	SEAL, Foam
1400	84007029	1	KIT, Muffler Box, Top -(Includes Ref. Nos. 0320, 0327, 0328, 0330)
0320	-----	1	MUFFLER BOX, Top
0327	71693GS	6	WASHER, Fender
0328	22287GS	6	SCREW, 1/4" - 20 x 3/4"
0330	-----	1	DECAL-WARNING, HOT SURFACE -(Part information located in Decals Group.)
1500	84007080	1	KIT, Muffler Box, Bottom -(Includes Ref. Nos. 0120, 0130, 0310, 0321, 0325, 0326)
0120	-----	10	WASHER, Flat, #10, Fender
0130	194561	6	HHS,TRILOBULAR, #10-3
0310	-----	1	MUFFLER BOX, Bottom
0321	-----	6	RIVET, BLIND, 3/16 X 5/8
0325	-----	2	BRACKET, Muffler
0326	-----	6	NUT, Clip
1600	84007030	1	KIT, Muffler -(Includes Ref. Nos. 0180, 0800, 0810)
0180	-----	1	MUFFLER
0800	809872	2	GASKET, Exhaust
0810	846149	4	SCREW

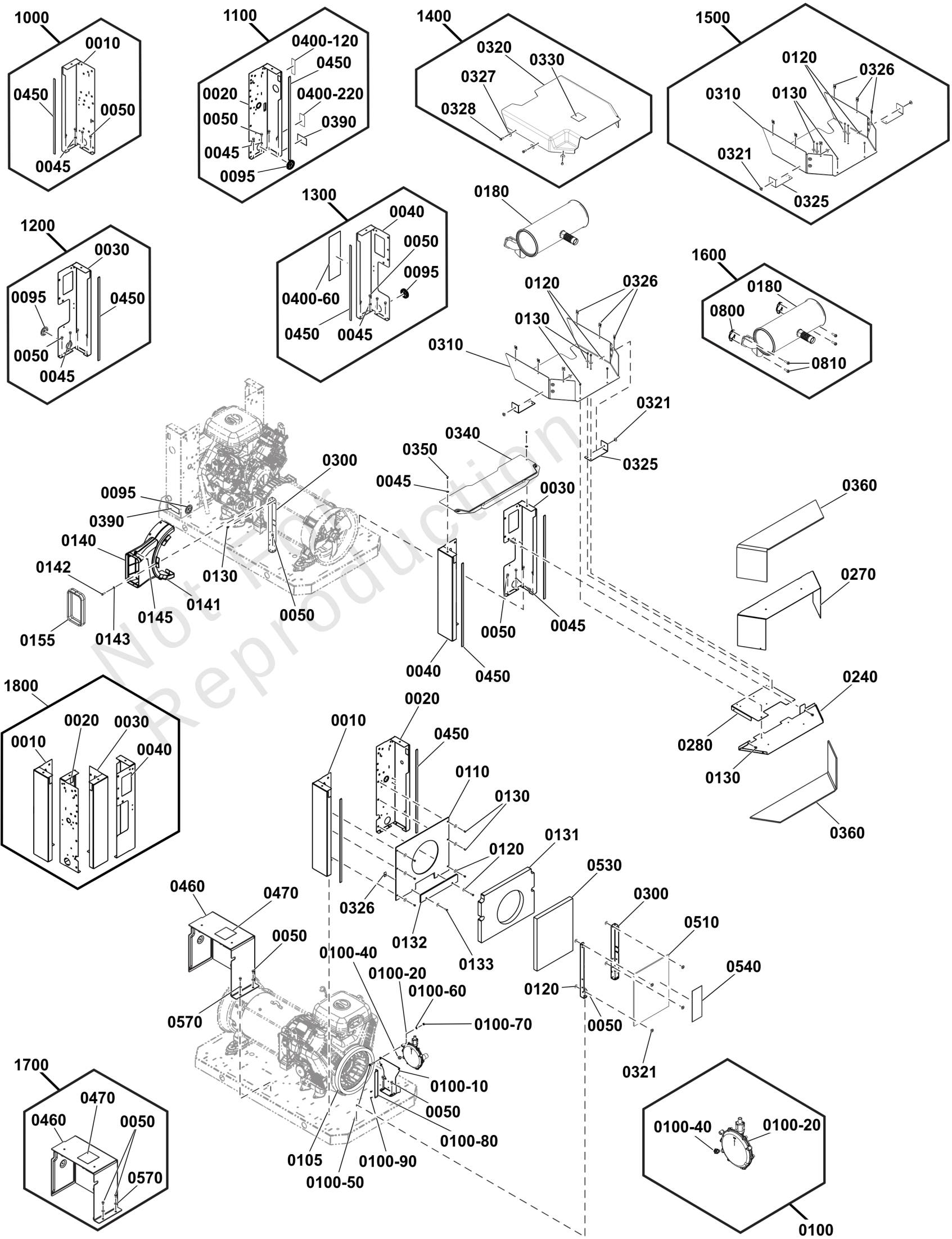
Footnotes:

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

Fuel, Duct & Support Group

Note: Unless noted otherwise, use the standard torque specifications

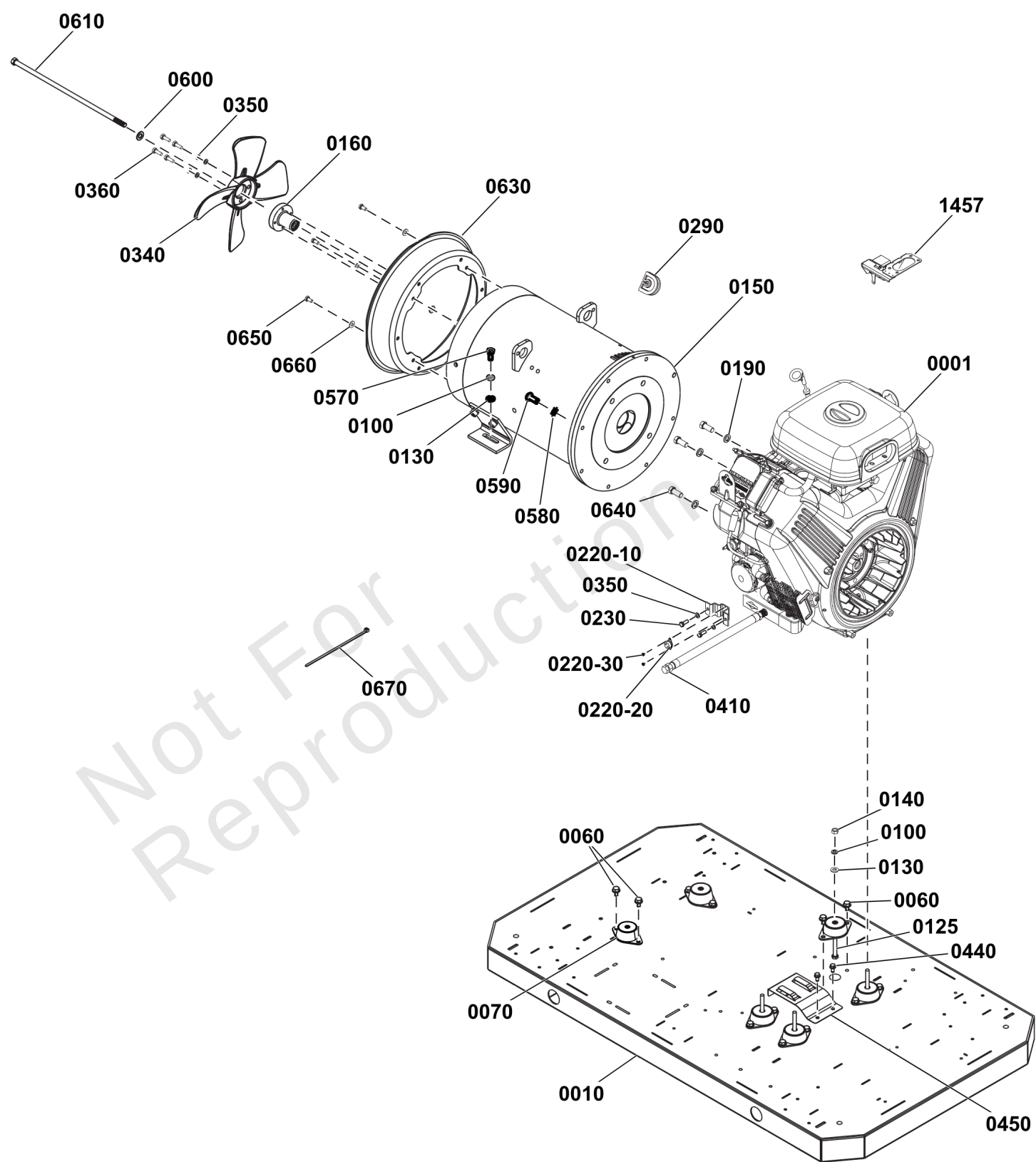
Mfg. No: 040783-00



Fuel, Duct & Support Group

REF NO	PART NO	QTY	DESCRIPTION
1700	84007032	1	KIT, Battery Box -(Includes Ref. Nos. 0050, 0460, 0470)
0050	704130	2	SCREW, HEX, 1/4-20X.5
0460	-----	1	PANEL, Battery Box
0470	-----	1	DECAL, Warning, Battery -(Part information located in Decals Group.)
0570	-----	2	WASHER
1800	6856	1	ENCLOSURE, Bulkhead -(Includes Ref. Nos. 0010, 0020, 0030, 0040)
0010	-----	1	SUPPORT, Right Back
0020	-----	1	SUPPORT, Left Back
0030	-----	1	SUPPORT, Left Front
0040	-----	1	SUPPORT, Right Front

Not For
Reproduction



Power Group

REF NO	PART NO	QTY	DESCRIPTION
0001	61H3750001E1	1	Replacement Engine -(**See footnote)
0010	-----	1	BASE
0060	24910GS	12	CAPSCREW, Hex Head, Trilobular, 5/16, 18 x 1/2
0070	84007023	6	MOUNT, Vibration
0100	22129GS	6	WASHER, Lock
0125	-----	4	*CAPSCREW, Hex Head, 5/16-18 x 2-1/2 -(*See footnote)
0130	5025155SM	6	WASHER, 5/16
0140	22259GS	4	NUT, 5/16 - 18
0150	84010874	1	ALTERNATOR
0160	84007022	1	HUB, Fan
0190	-----	4	*WASHER, Lock, 7/16 -(*See footnote)
0220-10	313561GS	1	PLATE, Temp Switch
0220-20	204426GS	1	SWITCH, Temperature
0220-30	708730	2	SCREW
0230	47411GS	2	SCREW
0290	315440GS	1	GROMMET
0340	84006018	1	FAN
0350	22097GS	6	WASHER
0360	5025010X6SM	4	BOLT, 1/4-20 X 3/4" G
0410	5048681SM	1	HOSE, OIL DRAIN
0440	704130	2	SCREW, HEX, 1/4-20X.5
0450	-----	1	BRACKET, Heater
0570	5025011X6	2	BOLT, 5/16-18 X 3/4 GD5
0580	193686	8	WSHR, M10, SHKPRF, EXT
0590	-----	8	*SCREW, M10 X 25 -(*See footnote)
0600	203200	1	WASHER, 3/8" SAE
0610	315203GS	1	BOLT
0630	84006017	1	SHROUD, Fan
0640	2820676SM	4	CAPSCREW-HEX HD 7/16-
0650	807435	6	SCREW
0660	22473GS	6	FLAT WASHER, M6 - 1/4"
0670	29333AGS	1	TIEWRAP, 7 LG BLK
1457	-----	1	MOTOR, Stepper -(Refer To Your Engine Model's Parts Manual)

Footnotes:

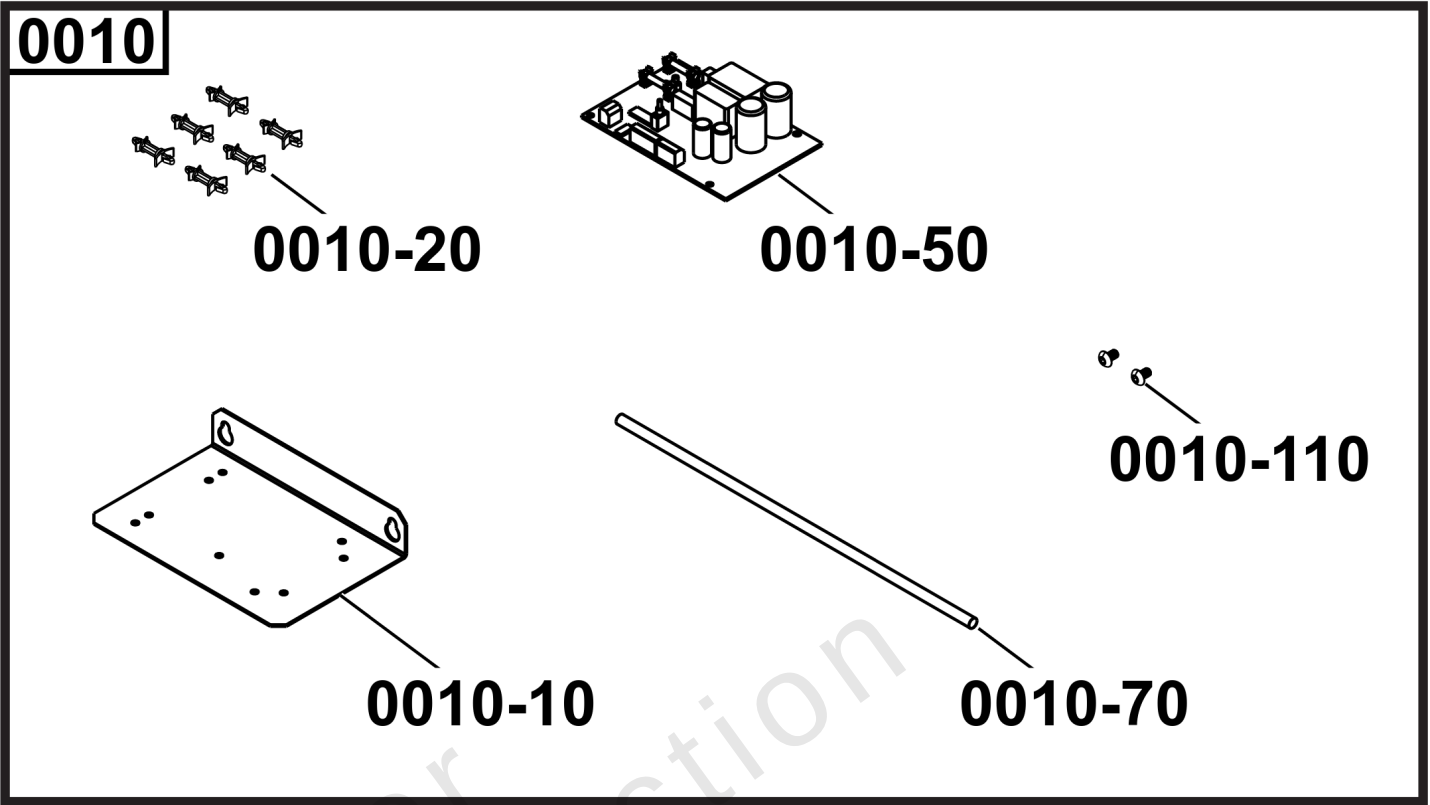
* Items without part numbers are common fasteners. Purchase locally.

** To verify your specific engine model, please reference the ID Tag located on your engine. See your local Briggs & Stratton distributor for parts and service.

Symphony II Controller Kit

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



Symphony II Controller Kit

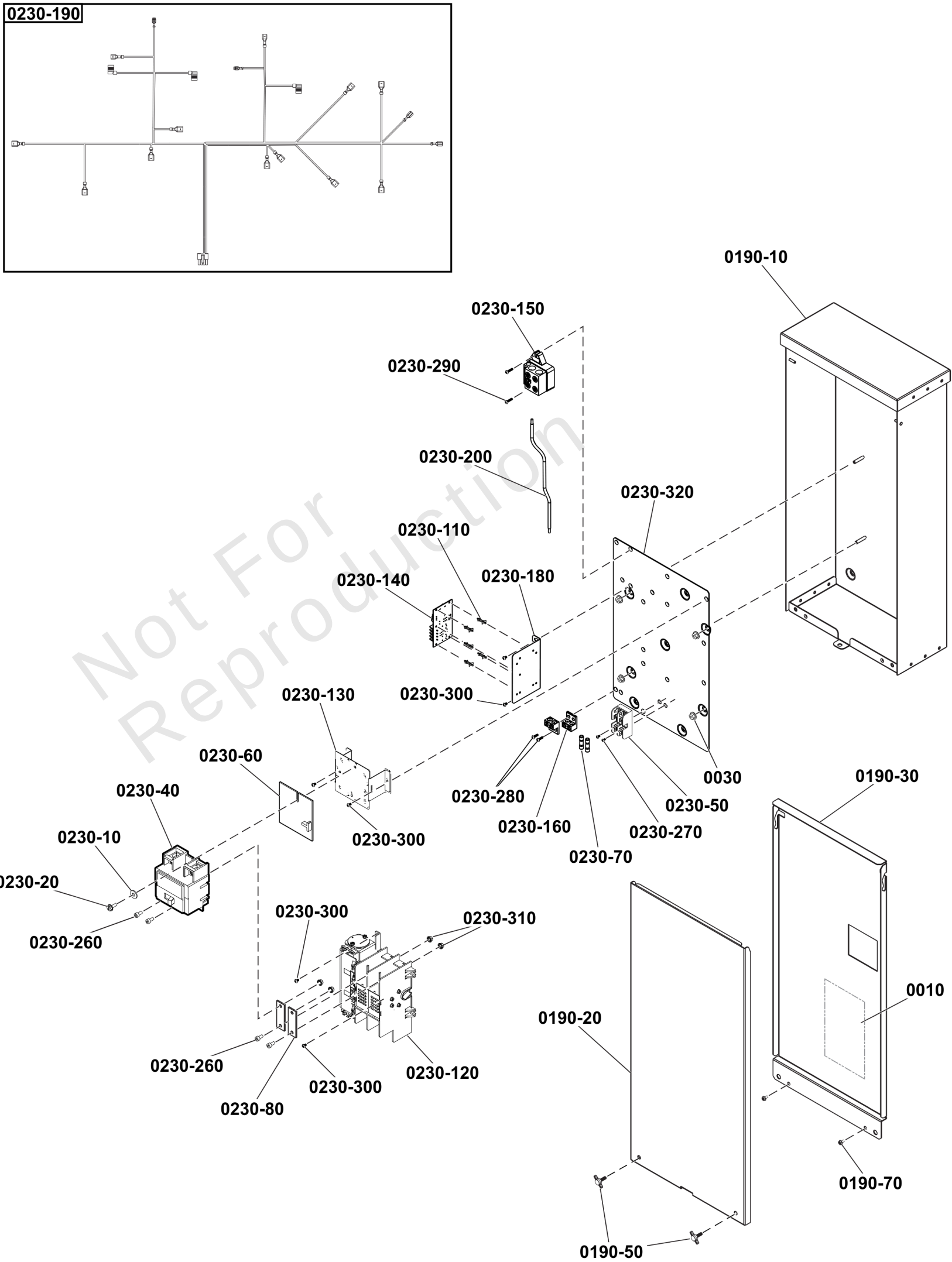
REF NO	PART NO	QTY	DESCRIPTION
0010	6907	1	CONTROLLER, Symphony II
0010-10	84008547	1	BRACKET
0010-20	707397	6	SPACER
0010-50	-----	1	BOARD, Circuit
0010-70	-----	1	HARNESS, Wire
0010-110	B5763GS	2	SCREW

Not For Reproduction

Transfer Switch - Hingeless Enclosure

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 040783-00



Transfer Switch - Hingeless Enclosure

REF NO	PART NO	QTY	DESCRIPTION
0010	193664GS	1	INSULATION, Dead Front
0030	703061	9	NUT, HEX KEPS, 1/4-20
0190-10	-----	1	ENCLOSURE
0190-20	84004672	1	DOOR -(Incl. Ref. No. 0060)
0060	-----	1	DECAL SHEET - WARNINGS
0190-30	84005082	1	PANEL, Deadfront -(Incl. Ref. Nos. 0010, 0060)
0010	193664GS	1	INSULATION, Dead Front
0060	-----	1	DECAL SHEET - WARNINGS
0190-50	315108GS	2	SCREW
0190-70	B5763GS	2	SCREW
0230-10	23897GS	1	WASHER, Flat, #10 - M5
0230-20	24679GS	1	TRILOBULAR, #10-32 x 3/4
0230-40	192065GS	1	BREAKER, Circuit, 200A
0230-50	192151GS	1	FUSE HOLDER, 30 Amp 2P
0230-60	192879GS	1	INSULATION, Circuit Breaker
0230-70	205110GS	2	FUSE, 10 Amp 600v
0230-80	319267GS	2	BAR-BUS
0230-110	707397	5	SPACER
0230-120	84002607	1	SWITCH, TRANSFER
0230-130	770433	1	BRACKET
0230-140	770434	1	BOARD, Circuit
0230-150	84006993	1	TERMINAL, Neutral 6 Position
0230-160	84004498	2	LUG
0230-180	84008547	1	BRACKET -(Incl. Ref. No. 0230-110)
0230-190	84008546	1	HARNESS, Wire
0230-200	-----	1	WIRE, Neutral
0230-260	703818	4	CAPSCREW, 1/4-20X0.5
0230-270	192730GS	2	SCREW, Hex Head, Trilobular, #6-32 x 3/8
0230-280	32713GS	2	TAPTITE, #10-32 X 5/8
0230-290	-----	2	SCREW, Hex Head, Trilobular, #10-32 x 7/8
0230-300	194561GS	8	HHS, Trilobular, #10-32 x 3/8
0230-310	703061	4	NUT, HEX KEPS, 1/4-20
0230-320	-----	1	PANEL, Back



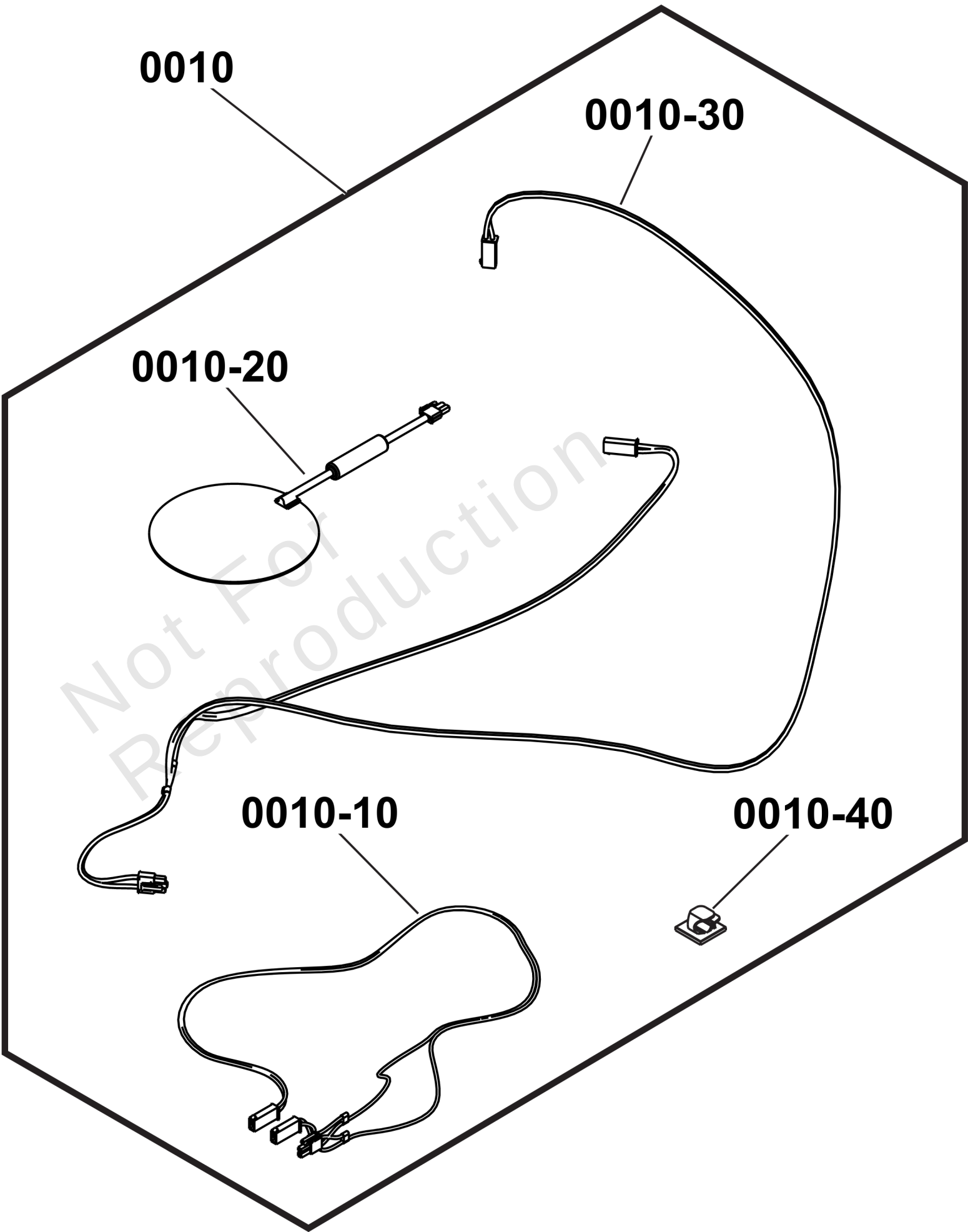
6845-00 - Fuel Regulator Heater

Not For
Reproduction

Fuel Regulator Heater

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6845-00



Fuel Regulator Heater

REF NO	PART NO	QTY	DESCRIPTION
0010	6845	1	HEATER, Fuel Regulator
0010-10	-----	1	HARNESS, Wire
0010-20	-----	1	HEATER, Fuel Regulator
0010-30	-----	1	HARNESS, Cold Weather
0010-40	-----	1	CLIP, LTCHNG

Not For Reproduction



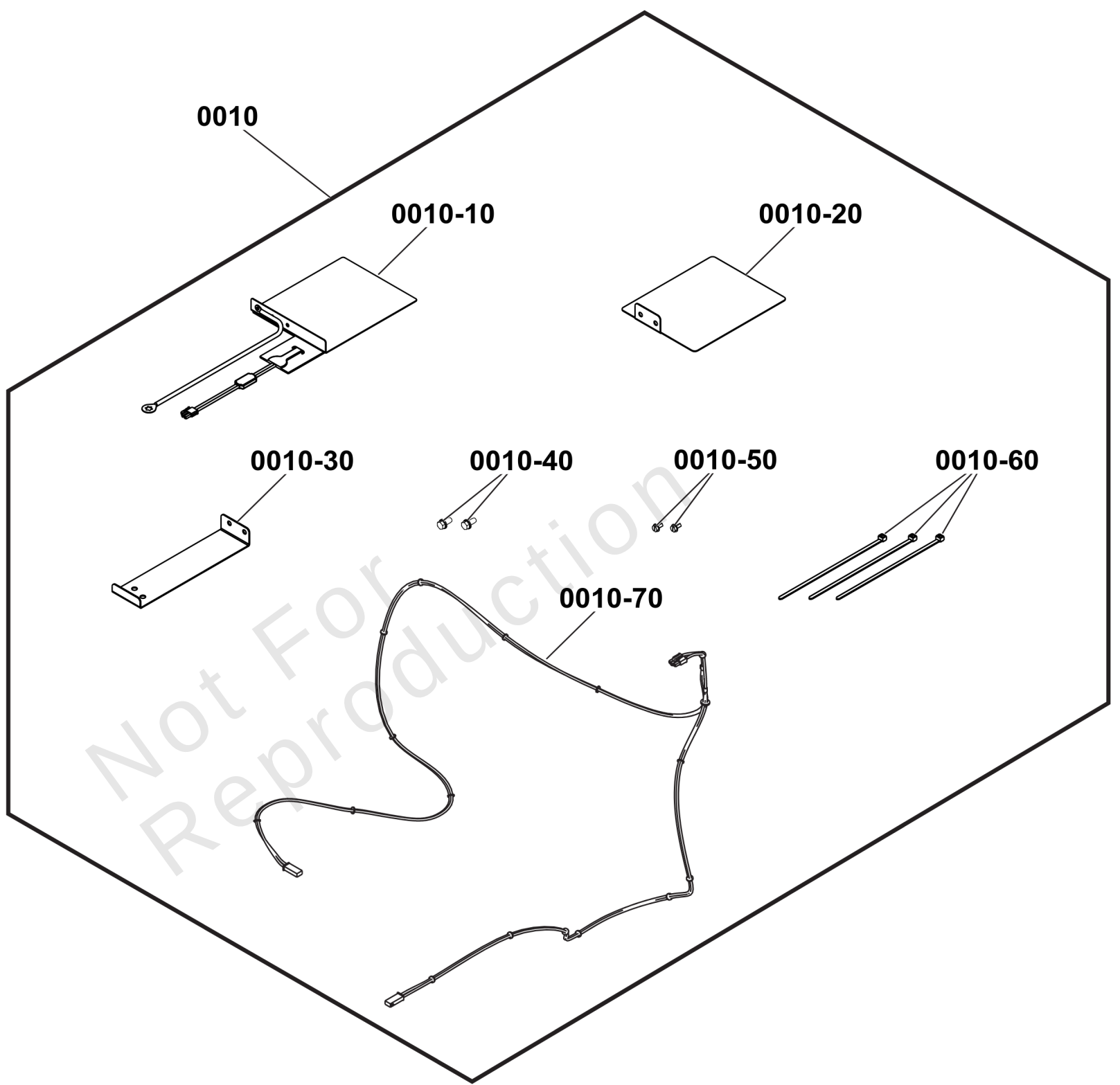
6840-00 - Oil Sump Warmer

Not For
Reproduction

Oil Sump Warmer

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6840-00



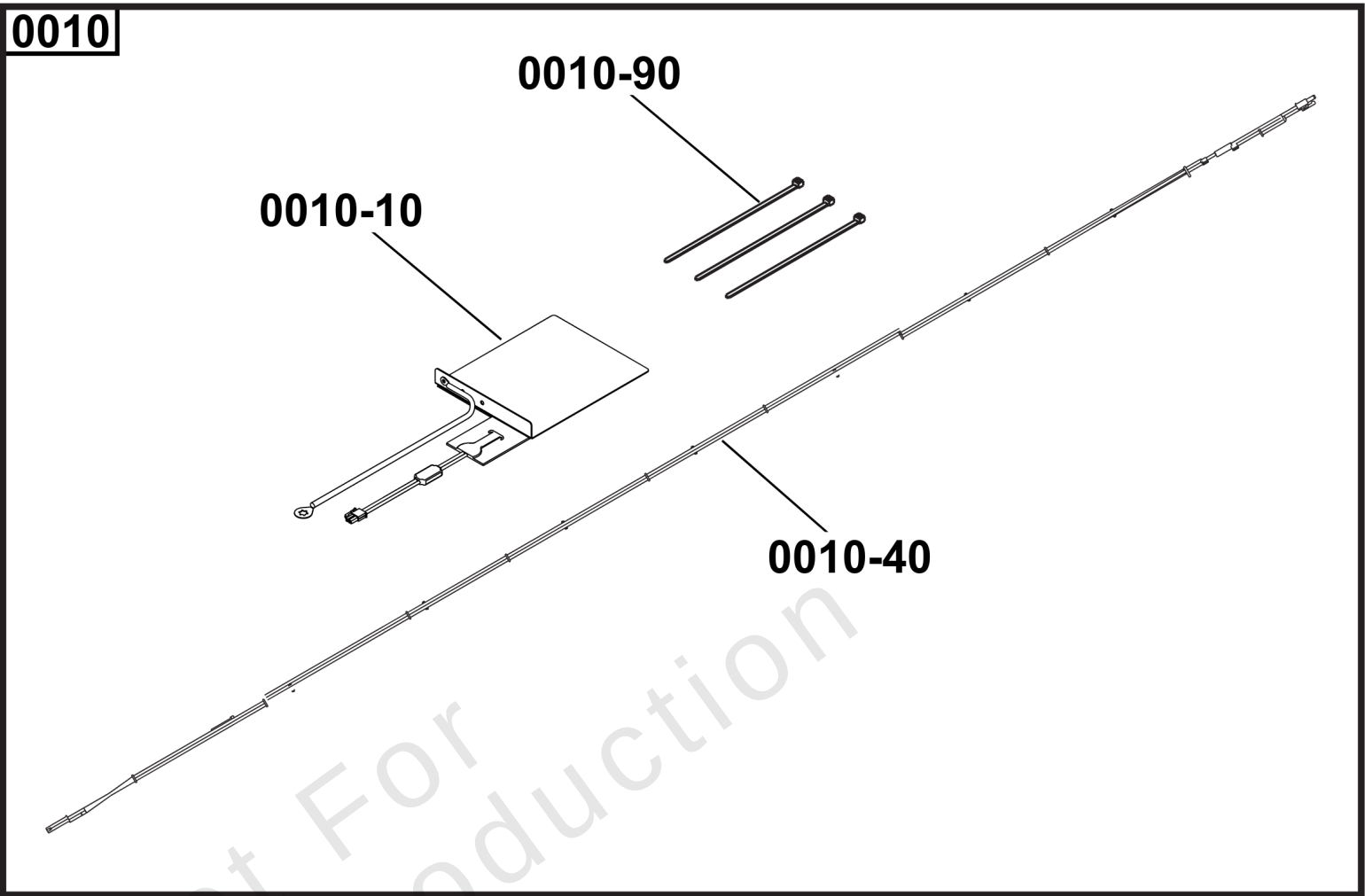
Oil Sump Warmer

REF NO	PART NO	QTY	DESCRIPTION
0010	6840		KIT, Oil Sump Warmer -(Incl. Ref. Nos. 0010-10, 0010-20, 0010-30, 0010-40, 0010-50, 0010-60, 0010-70)
0010-10	314941GS	1	PLATE, Warmer
0010-20	-----	1	PLATE, Warmer
0010-30	-----	1	BRACKET, Guide, Warmer
0010-40	704130	2	SCREW, HEX, 1/4-20X.5
0010-50	194561GS	2	HHS, Trilobular, #10-32 x 3/8
0010-60	29333AGS	3	TIEWRAP, 7 LG BLK
0010-70	84007199	1	HARNESS, Cold Weather



6869-00 - Battery Warmer

Not For
Reproduction



Battery Warmer

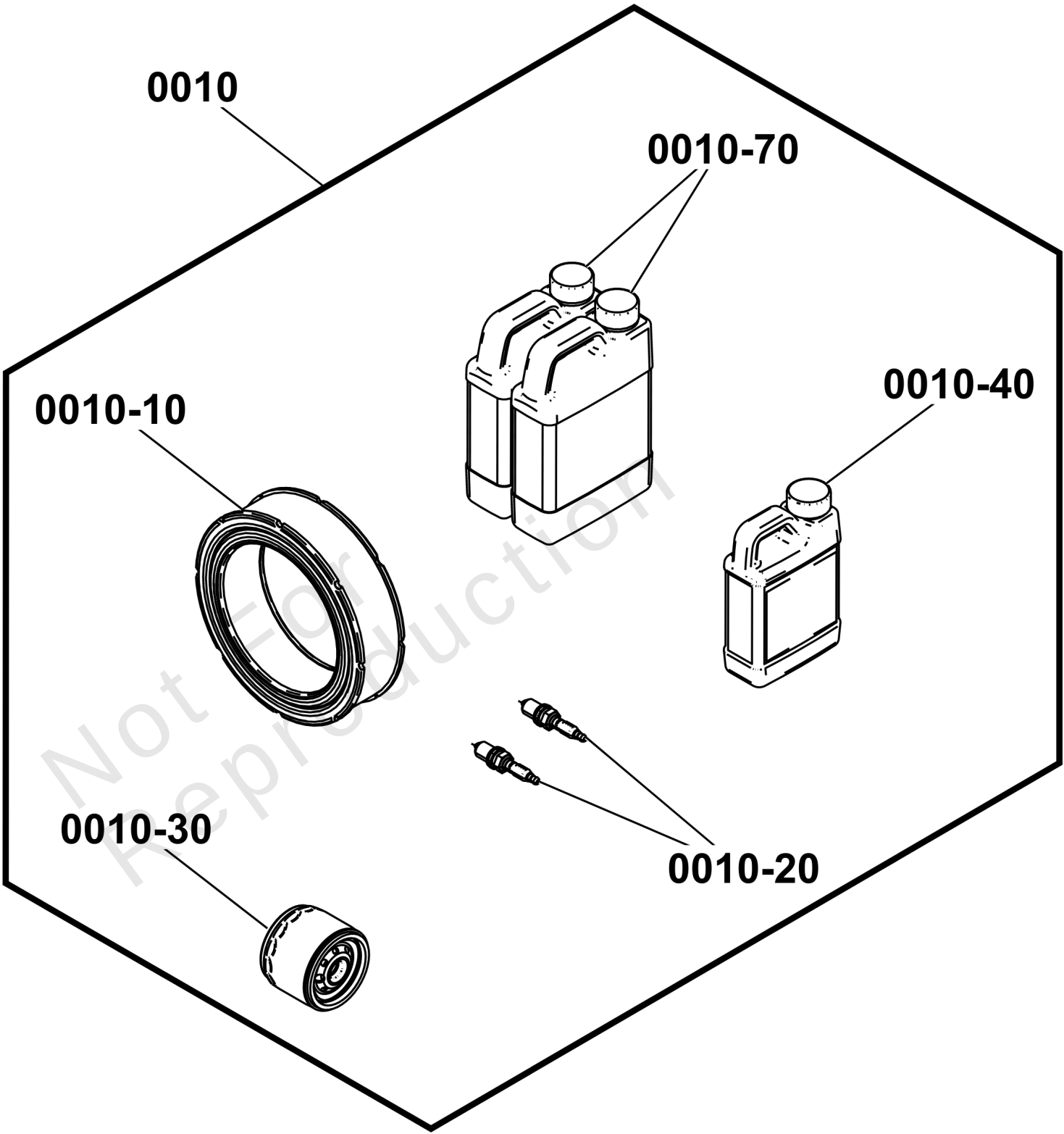
REF NO	PART NO	QTY	DESCRIPTION
0010	6869	1	WARMER, Battery
0010-10	314941GS	1	PLATE, Warmer
0010-40	84007199	1	HARNESS, Cold Weather
0010-90	29333AGS	3	TIEWRAP, 7 LG BLK

Not For Reproduction



6872-00 - Maintenance

Not For
Reproduction



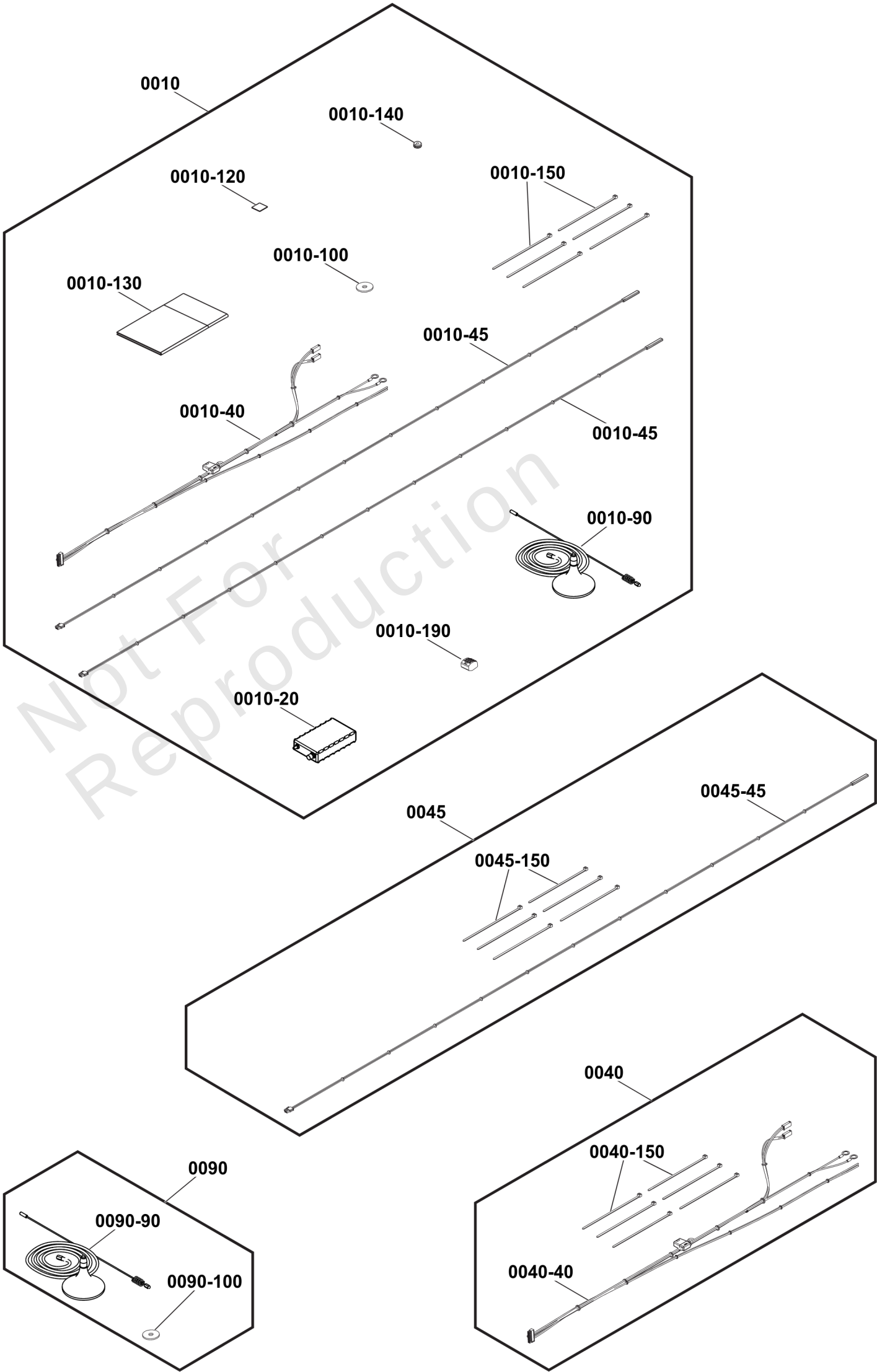
Maintenance

REF NO	PART NO	QTY	DESCRIPTION
0010	6872	1	ACC, KIT, MAINTENANCE, 17-26000 -(Incl. Ref. Nos. 0010-10, 0010-20, 0010-30, 0010-40, 0010-70)
0010-10	-----	1	CARTRIDGE, Air Cleaner
0010-20	72347GS	2	PLUG, Spark
0010-30	841023	1	FILTER, OIL
0010-40	-----	1	BOTTLE, 16oz Oil
0010-70	-----	2	BOTTLE, 32oz Oil



6574-01 - Infohub

Not For
Reproduction



Infohub

REF NO	PART NO	QTY	DESCRIPTION
0010	6574	1	KIT, Infohub SP, Agnostic -(Incl. Ref. Nos. 0010-20, 0010-40, 0010-45, 0010-90, 0010-100, 0010-120, 0010-130, 0010-140, 0010-150, 0010-190)
0010-20	-----	1	INFOHUB, UNIV
0010-40	-----	1	HARNESS, Infohub SP, Agnostic
0010-45	-----	2	ASSEMBLY, Voltage Sensor
0010-90	-----	1	ANTENNA, Cell Quad Band
0010-100	703591	1	WASHER, .406X1.5X.12
0010-120	-----	1	STRIP, Adhesive Mounting
0010-130	-----	1	MANUAL, Operator
0010-140	316855GS	1	GROMMET
0010-150	29333AGS	6	TIEWRAP, 7 LG BLK
0010-190	197956GS	1	BLOCK, Terminal w/Levers
0040	84003260	1	HARNESS, Infohub SP, Agnostic -(Incl. Ref. Nos. 0040-40, 0040-150)
0040-40	-----	1	HARNESS, Infohub SP, Agnostic
0040-150	29333AGS	6	TIEWRAP, 7 LG BLK
0045	84003258	1	ASSEMBLY, Voltage Sensor -(Incl. Ref. Nos. 0045-45, 0045-150)
0045-45	-----	1	ASSEMBLY, Voltage Sensor
0045-150	29333AGS	6	TIEWRAP, 7 LG BLK
0090	84003261	1	ANTENNA, Cell Quad Band -(Incl. Ref. Nos. 0090-90, 0090-100)
0090-90	-----	1	ANTENNA, Cell Quad Band
0090-100	703591	1	WASHER, .406X1.5X.12



6581-00 - Uninterruptible Power Supply - (UPS)

Not For
Reproduction

Uninterruptible Power Supply - (UPS)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6581-00



Uninterruptible Power Supply - (UPS)

REF NO	PART NO	QTY	DESCRIPTION
0010	6581	1	KIT, ACC, UPS 350VA/255W, 120VAC -(Incl. Ref. No. 0010-10)
0010-10	-----	1	UPS 350VA/255W, 120VAC

Not For Reproduction



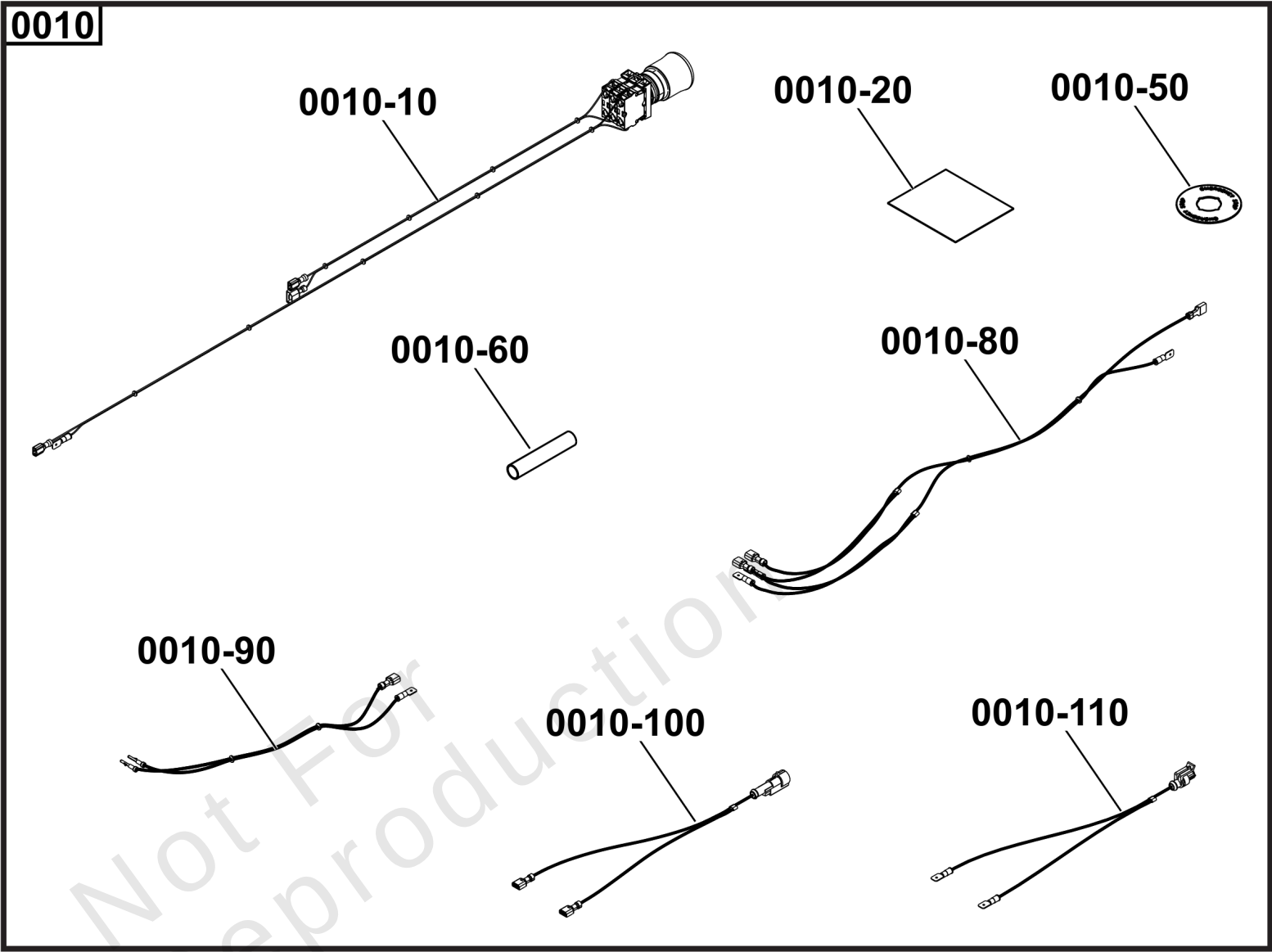
6491-01 - Estop Switch

Not For
Reproduction

Estop Switch

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6491-01



Estop Switch

REF NO	PART NO	QTY	DESCRIPTION
0010	6491	1	ACC KIT, SWITCH, E-STOP -(Incl. Ref. Nos. 0010-10, 0010-20, 0010-50, 0010-60, 0010-80, 0010-90, 0010-100, 0010-110)
0010-10	-----	1	ASSEMBLY, Switch, E-Stop
0010-20	-----	1	DECAL
0010-50	-----	1	LEGEND PLATE, E-Stop
0010-60	-----	1	TUBING, Heat Shrink
0010-80	-----	1	HARNESS
0010-90	-----	1	HARNESS
0010-100	-----	1	HARNESS
0010-110	-----	1	HARNESS



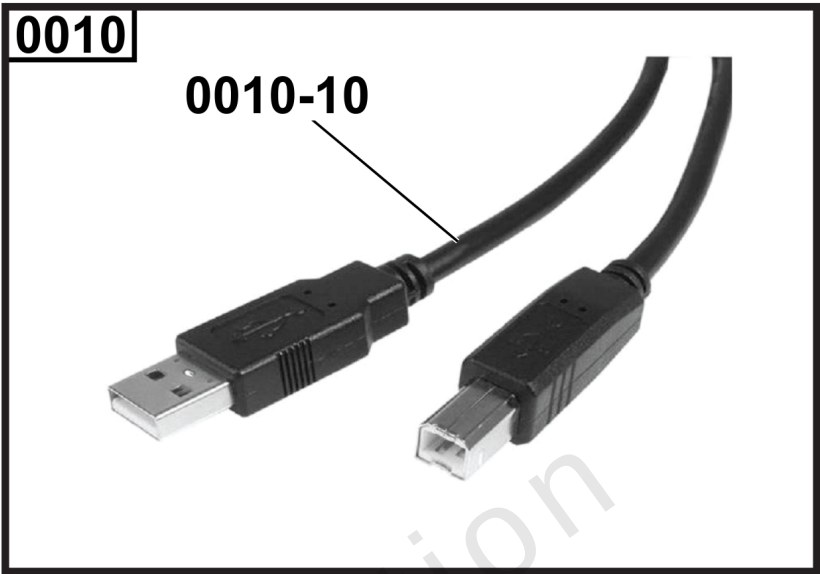
6428-00 - USB Cable

Not For
Reproduction

USB Cable

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6428-00



USB Cable

REF NO	PART NO	QTY	DESCRIPTION
0010	6428	1	KIT, Communication Cable -(Incl. Ref. No. 0010-10)
0010-10	-----	1	CABLE, USB

Not For Reproduction



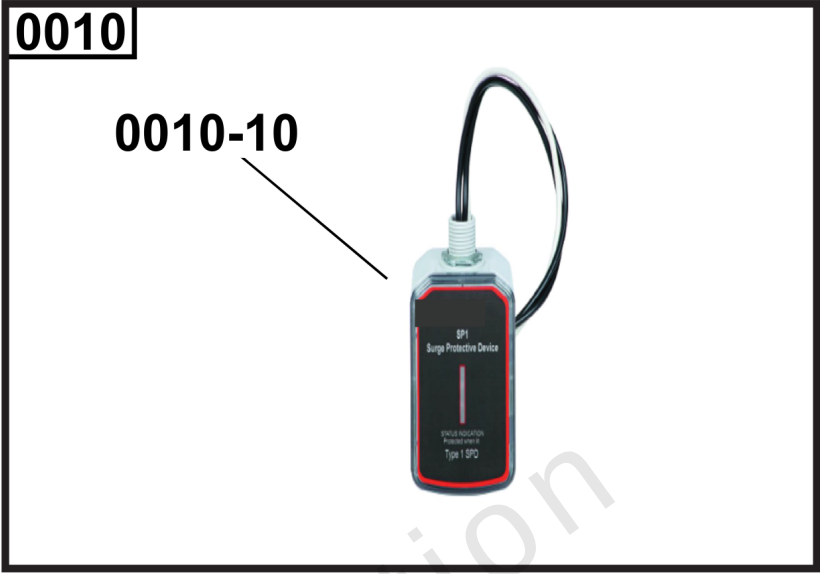
6631-00 - Surge Protective Device (SPD)

Not For
Reproduction

Surge Protective Device (SPD)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6631-00



Surge Protective Device (SPD)

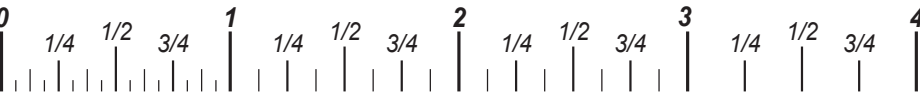
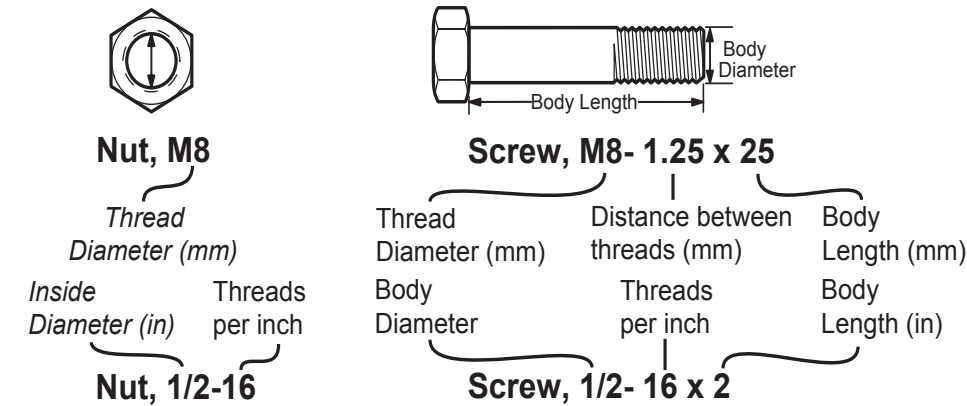
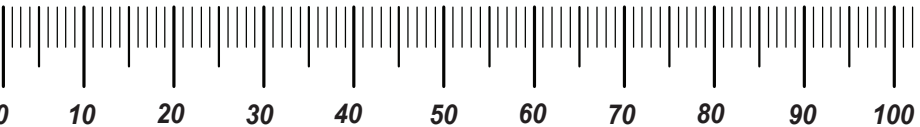
REF NO	PART NO	QTY	DESCRIPTION
0010	6631	1	SURGE PROTECTIVE DEVICE (SPD) -(Incl. Ref. No. 0010-10)
0010-10	-----	1	SURGE PROTECTIVE DEVICE (SPD)

Not For Reproduction

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).

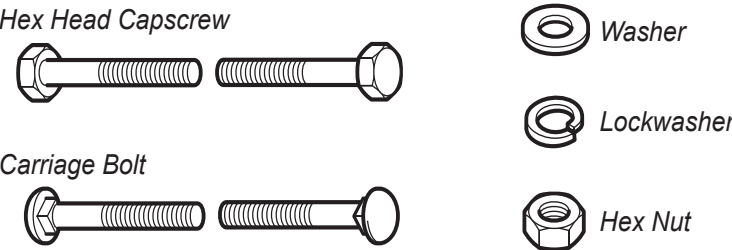
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

