



Parts Manual

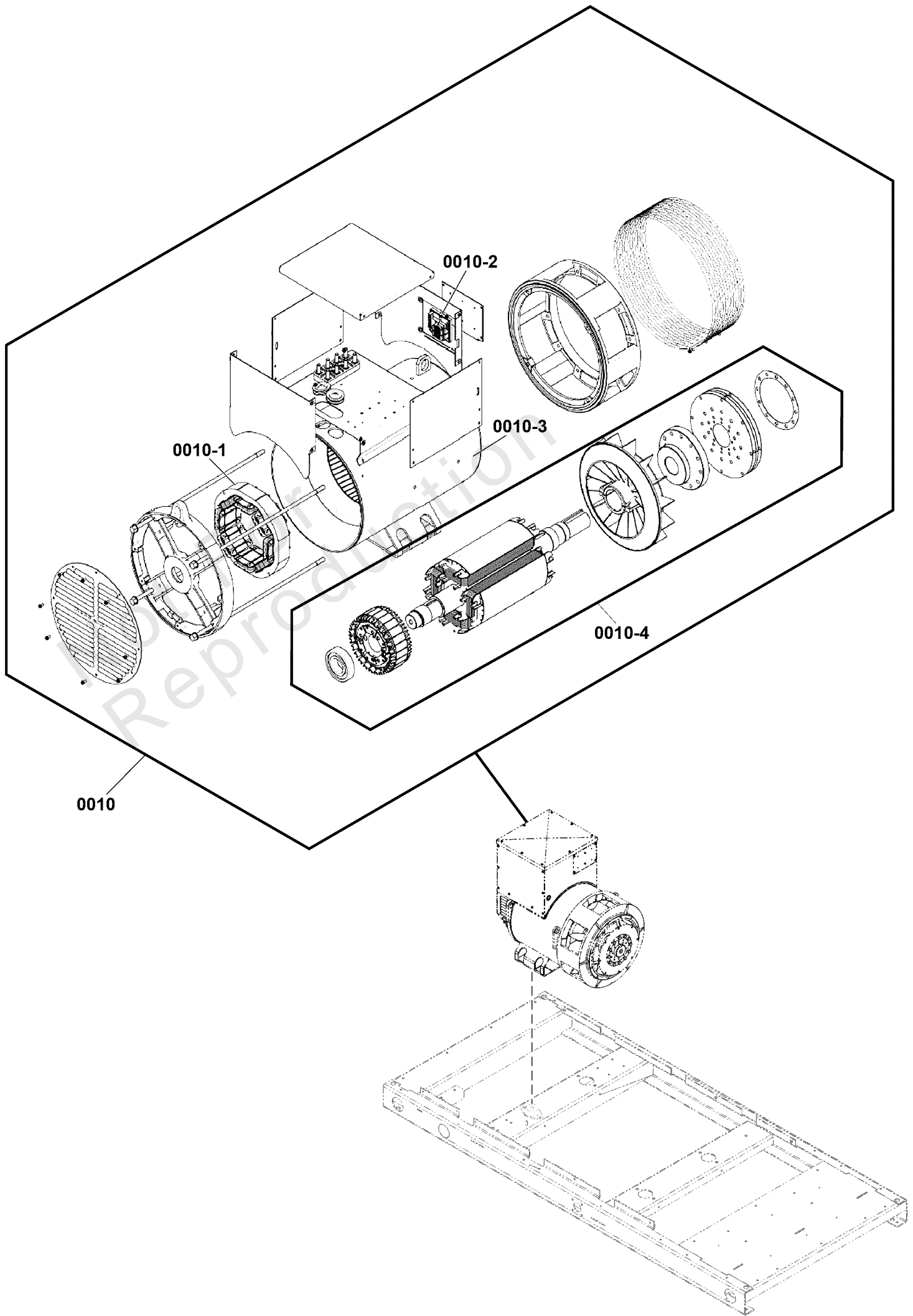
Mfg. No: 080005-01
80,000 Watt Standby Generator (B&S)

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Alternator Group - ECP34-2S/4A

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Alternator Group - ECP34-2S/4A

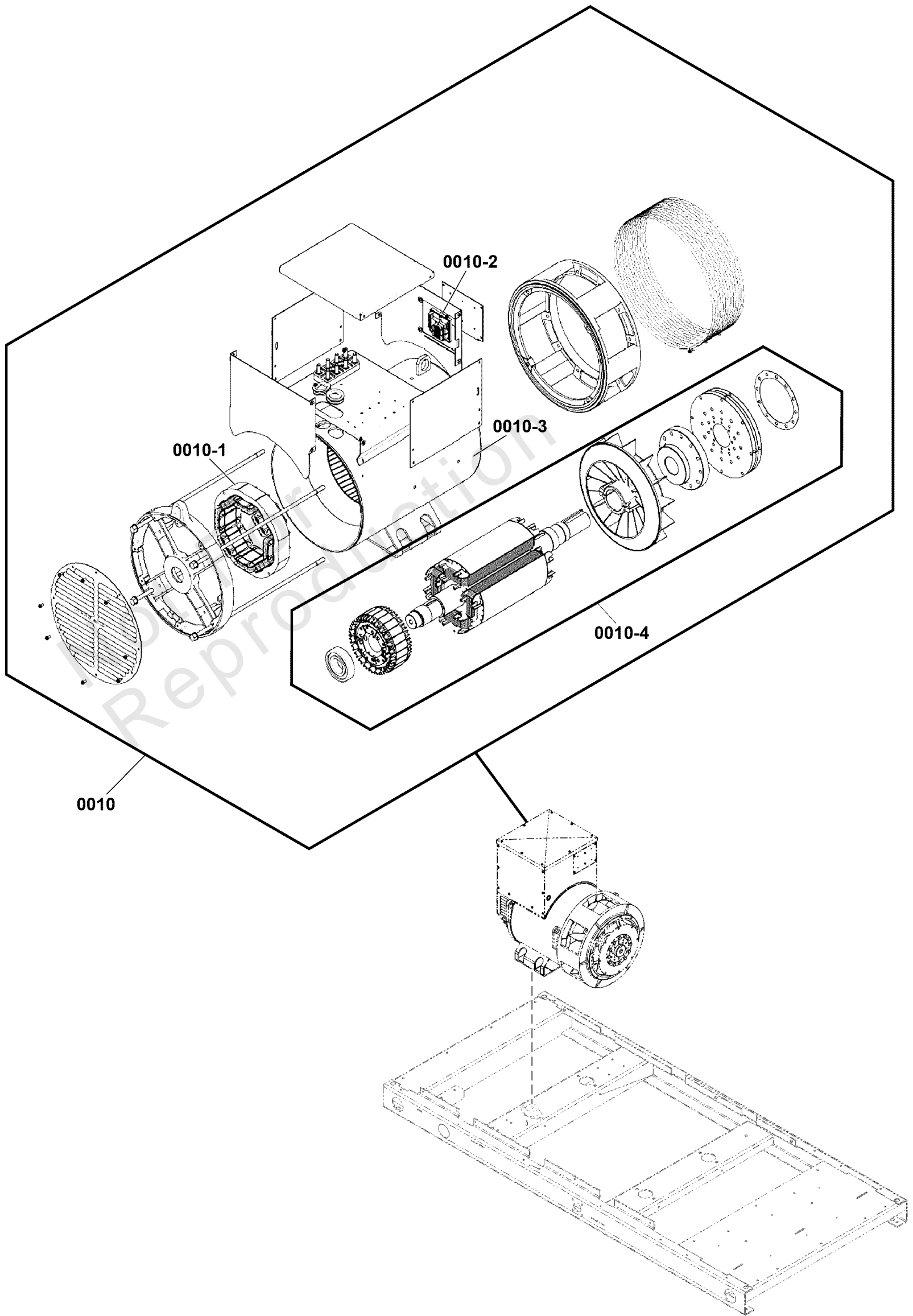
REF NO	PART NO	QTY	DESCRIPTION
0010	80021449	1	ALTERNATOR
0010-1	80026498		EXCITER STATOR
0010-2	770850		VOLTAGE REGULATOR
0010-3	80026495		FRAME & STATOR
0010-4	80026500		ROTOR ASSEMBLY
0010-5	80026499		DIODE -(Not Illustrated)

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Alternator Group - ECP34-2S-4C

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Alternator Group - ECP34-2S-4C

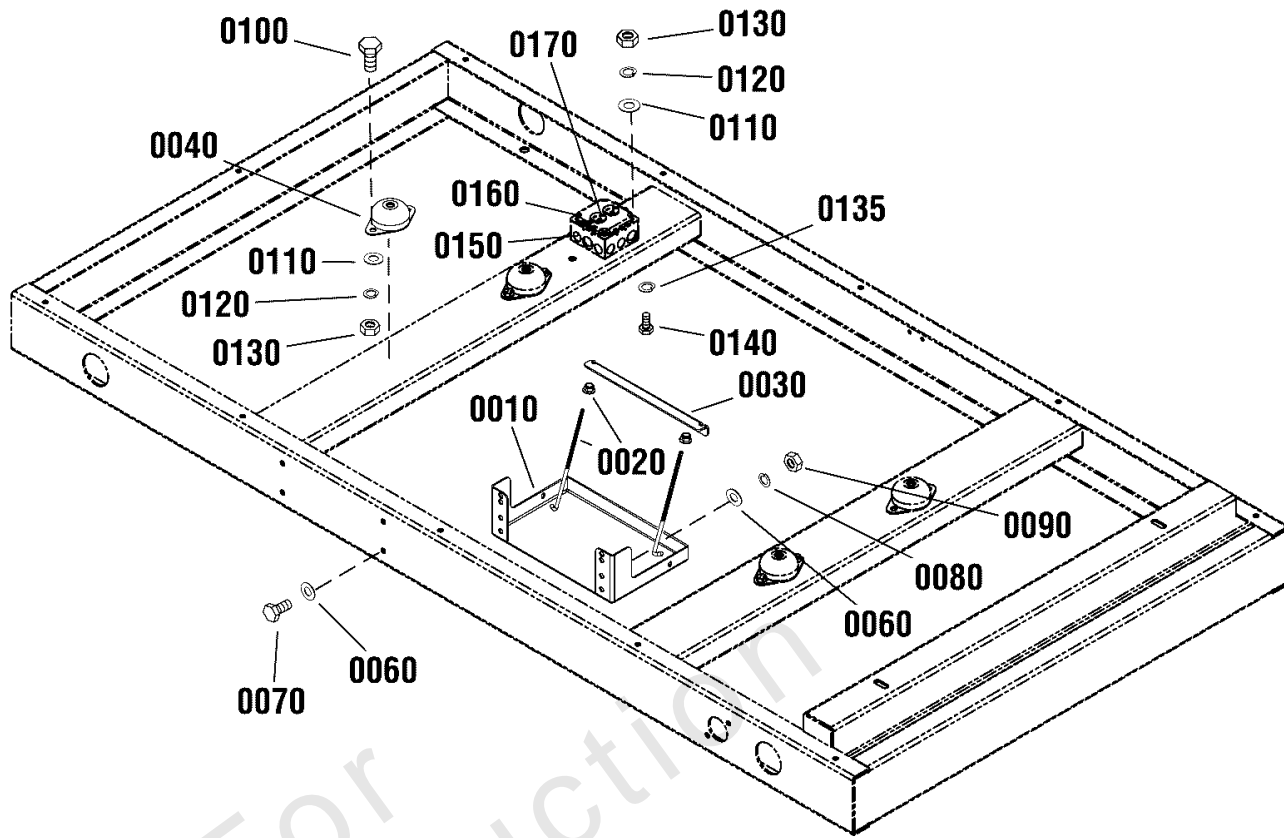
REF NO	PART NO	QTY	DESCRIPTION
0010	80021449	1	ALTERNATOR
0010-1	80098407		EXCITER STATOR
0010-2	770850		VOLTAGE REGULATOR
0010-3	80098385		FRAME & STATOR
0010-4	80098389		ROTOR ASSEMBLY
0010-5	80098408		DIODE -(Not Illustrated)

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Base/Battery Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



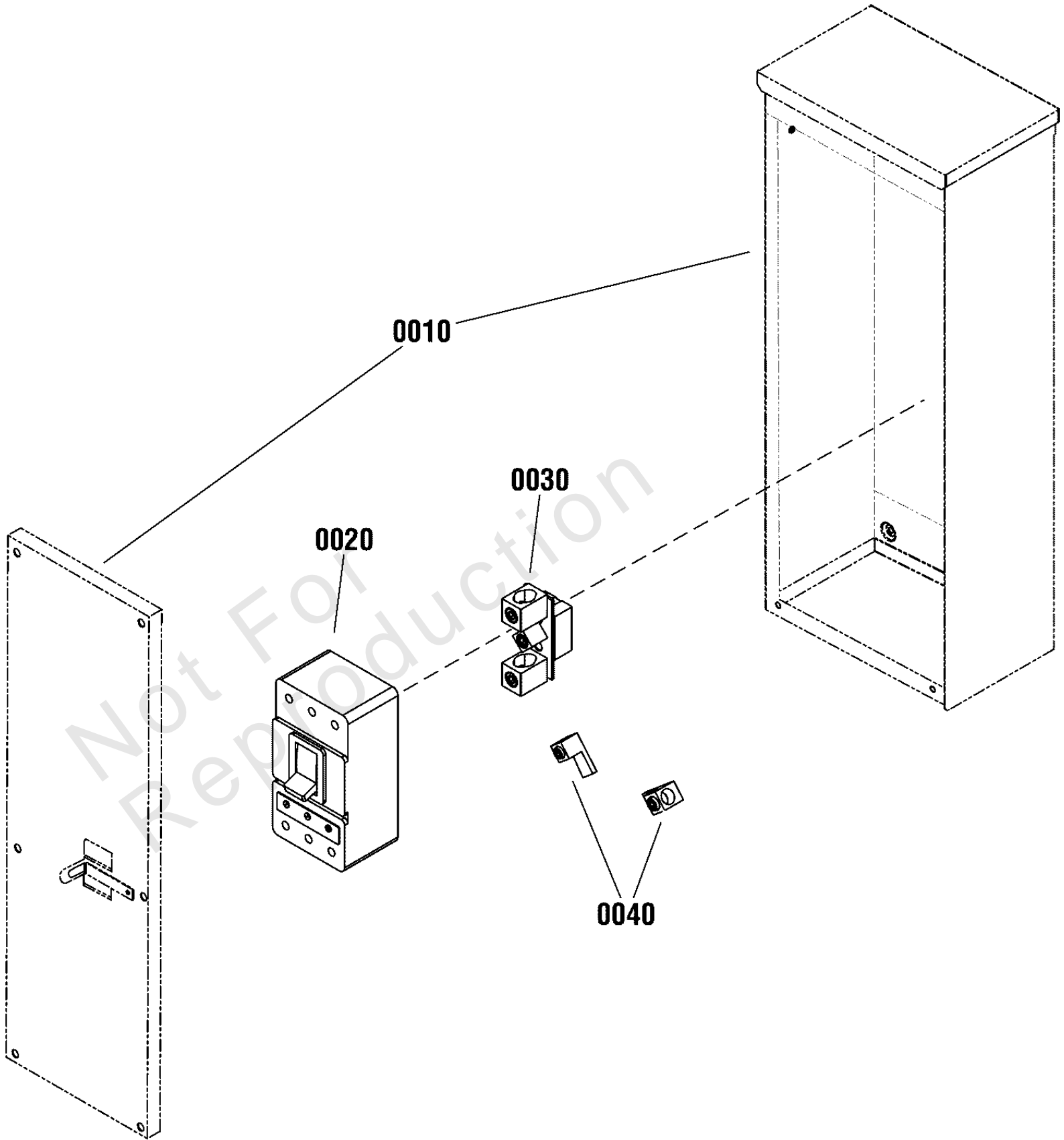
Base/Battery Group

REF NO	PART NO	QTY	DESCRIPTION
0010	770767	1	TRAY, Battery
0020	770766	1	HARDWARE, Battery Hold Down
0030	770768	1	TIE DOWN, Battery
0040	772407	4	ISOLATOR
0060	-----	8	*WASHER, Flat, 3/8 -(*See footnote)
0070	-----	4	*CAPSCREW, Hex Head, 3/8-16 x 1, GR5 -(*See footnote)
0080	-----	4	*WASHER, Lock, 3/8 -(*See footnote)
0090	-----	4	*NUT, Hex, 3/8 -(*See footnote)
0100	-----	8	*CAPSCREW, Hex Head, 1/2-13 x 1 1/4, GR5 -(*See footnote)
0110	-----	9	*WASHER, Flat, 1/2 -(*See footnote)
0120	-----	9	*WASHER, Lock, 1/2 -(*See footnote)
0130	-----	10	*NUT, Hex, 1/2 -(*See footnote)
0135	-----	1	*WASHER, External -(*See footnote)
0140	-----	1	*CAPSCREW, Hex Head, 1/2-13 x 2, GR5 -(*See footnote)
0150	-----	1	*BOX, ELECTRICAL, 4x4x2-1/8 -(**See footnote)
0160	-----	1	*CVR, DUPLEX RECEPTACLE, BOX, ELECTRICAL, 4x4 -(**See footnote)
0170	-----	1	*RECEPTACLE, DUPLEX, STR BLADE, 20A, 125V -(**See footnote)

Footnotes:

Note:** Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

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



Circuit Protection Group

REF NO	PART NO	QTY	DESCRIPTION
0010	-----	1	* ENCLOSURE ASSEMBLY -(*See footnote)
0020	80022403	1	CIRCUIT BREAKER, 400 Amp
0030	770667	1	NEUTRAL ASSEMBLY
0040	-----	4	* LUG, Ground 2/0-14 AWG -(*See footnote)

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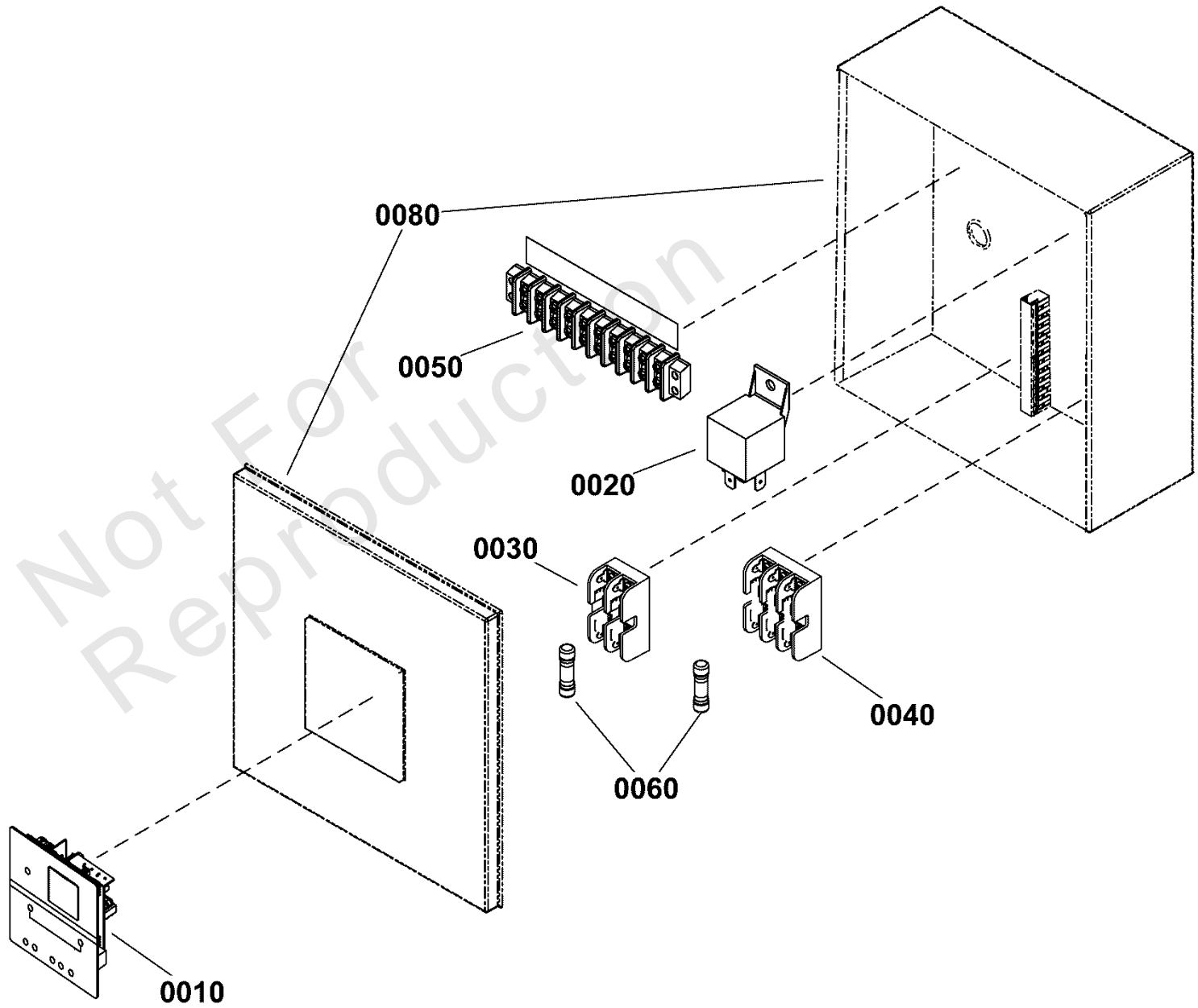
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Control Panel Group

Note: Unless noted otherwise, use the standard torque specifications

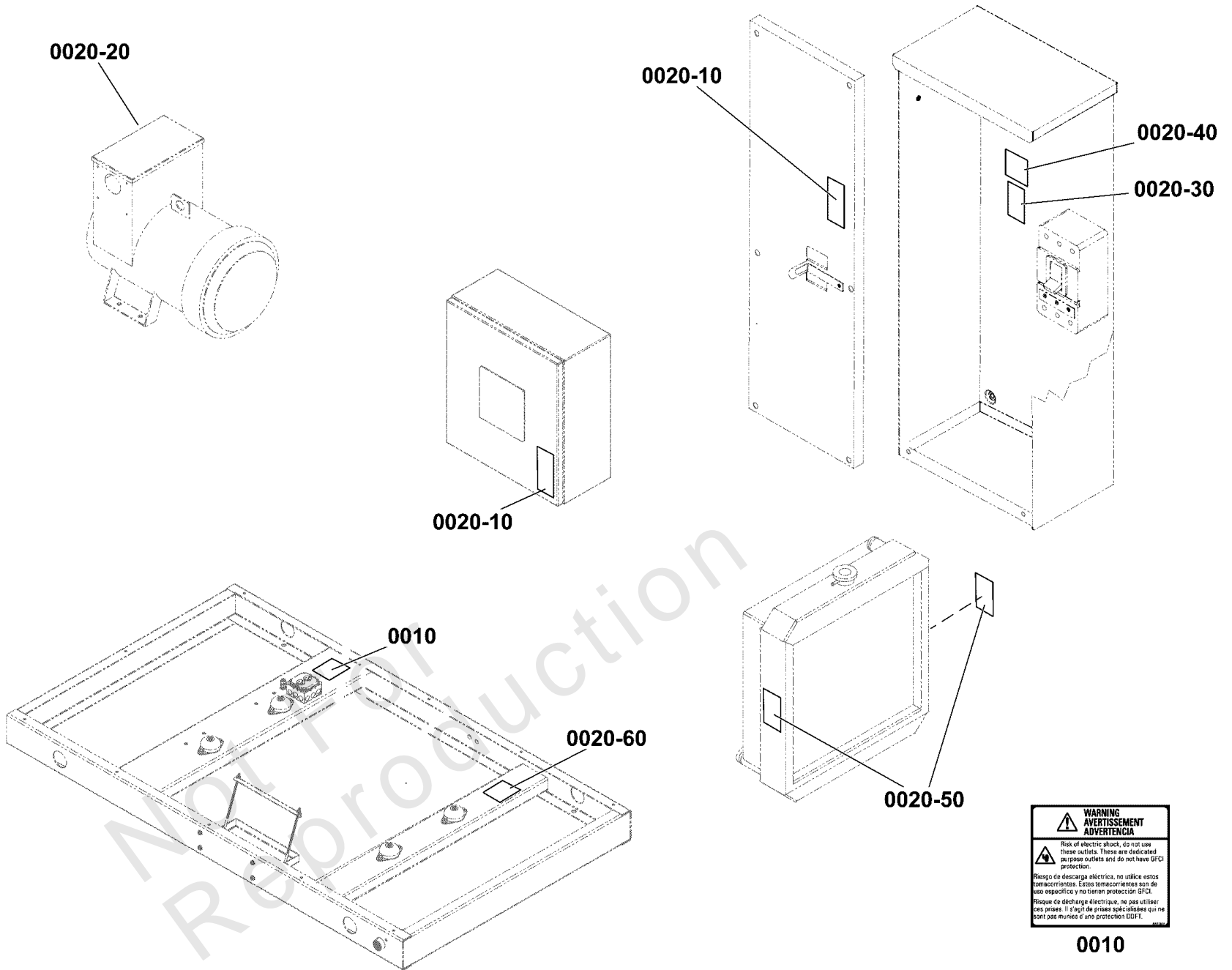
Mfg. No: 080005-01



Control Panel Group

REF NO	PART NO	QTY	DESCRIPTION
0010	770660	1	CONTROLLER
0020	770657	2	RELAY w/Bracket
0030	192151GS	1	FUSE HOLDER, 30 Amp 2P
0040	770658	1	FUSE HOLDER, 30 Amp 3P
0050	770659	1	STRIP, Terminal 10P
0060	205110GS	5	FUSE, 10 Amp 600v
0080	80098014	1	ENCLOSURE, Controller

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WARNING
AVERTISSEMENT
ADVERTENCIA

Risk of electric shock, do not use these outlets. These are dedicated purpose outlets and do not have GFCI protection.

Riesgo de descarga eléctrica, no utilice estos tomacorrientes. Estos tomacorrientes son de uso específico y no tienen protección GFCI.

Risque de décharge électrique, ne pas utiliser ces prises. Il s'agit de prises spécialisées qui ne sont pas munies d'une protection EDRF.

<p>0020</p> <p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Failure to read & follow Operator and Installation manuals could result in death or serious injury.</p> <p>Ne pas lire et respecter les manuels de l'utilisateur et d'installation pourrait entraîner des blessures graves ou la mort.</p> <p>No leer y seguir las indicaciones de los manuales de operación e instalación podría causar la muerte o lesiones serias.</p> <p>Generator starts automatically which could result in serious injury. Remove control panel fuse and disconnect battery prior to servicing.</p> <p>La génératrice démarre automatiquement, ce qui pourrait entraîner des blessures graves. Retirez le fusible du panneau de contrôle et débranchez la batterie avant d'effectuer un entretien.</p> <p>El generador arranca automáticamente, lo que podría causar lesiones serias. Retire el fusible del panel de control y desconecte la batería antes de realizar algún servicio.</p> <p>Risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.</p> <p>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.</p> <p>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.</p> <p>80015809</p>	<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.</p> <p>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.</p> <p>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.</p> <p>80015810</p>	<p>NG LP</p> <p>0020-70</p>	<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Electric shock hazard could result in death or serious injury. Disconnect all sources of supply voltage before servicing.</p> <p>Risque de choc électrique pouvant provoquer des blessures graves, voire la mort. Débranchez toutes les sources de tension électrique avant l'entretien.</p> <p>Riesgo de descarga eléctrica que puede resultar en muerte o lesión seria. Desconecte todas las fuentes de energía antes de reparar.</p> <p>80015812</p>	<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Generator starts automatically which could result in serious injury. Remove control panel fuse and disconnect battery prior to servicing.</p> <p>La génératrice démarre automatiquement, ce qui pourrait entraîner des blessures graves. Retirez le fusible du panneau de contrôle et débranchez la batterie avant d'effectuer un entretien.</p> <p>El generador arranca automáticamente, lo que podría causar lesiones serias. Retire el fusible del panel de control y desconecte la batería antes de realizar algún servicio.</p> <p>Hot surface could result in serious injury. Do not touch.</p> <p>La surface chaude pourrait entraîner des blessures graves. Ne touchez pas.</p> <p>La superficie caliente podría causar lesiones serias. No tocar.</p> <p>Hot pressurized coolant could result in severe injury. Do not open when hot. Allow coolant to cool before servicing.</p> <p>Le liquide de refroidissement pourrait provoquer de sévères blessures. Ne pas ouvrir lorsque le liquide de refroidissement est chaud. Laissez refroidir le liquide de refroidissement avant d'effectuer l'entretien.</p> <p>El refrigerante caliente a presión podría causar lesiones severas. No abra cuando esté caliente. Permita que el refrigerante se enfríe antes de dar servicio.</p> <p>Moving parts can crush and cut which could result in death or serious injury.</p> <p>Do not operate with guard removed. Remove panel fuse and negative battery cable before servicing.</p> <p>Les pièces mobiles peuvent écraser et couper ce qui pourrait causer la mort ou des blessures graves.</p> <p>Ne pas utiliser l'appareil lorsque le protecteur est retiré. Enlevez le fusible du tableau ainsi que le câble négatif de la batterie avant d'effectuer l'entretien.</p> <p>Las partes móviles pueden aplastar y cortar, lo que puede resultar en muerte o lesión seria.</p> <p>No opere si se ha removido la guarda. Retire el fusible del panel y el cable negativo de la batería antes de dar servicio.</p> <p>80015815</p>
<p>0020-10</p>	<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>80015816</p>	<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Explosion of battery gases could result in death or serious injury. Keep all sources of ignition away from battery. Battery contains acid which could result in blindness or severe burns. Avoid contact with acid.</p> <p>L'explosion des gaz de la batterie peut provoquer des blessures graves, voire la mort. Tenez toutes les sources d'allumage éloignées de la batterie. La batterie contient de l'acide pouvant causer la cécité ou de sévères brûlures. Évitez le contact avec l'acide.</p> <p>La explosión de la batería podría causar la muerte o lesiones serias. Mantenga todas las fuentes de ignición lejos de la batería. La batería contiene ácido que podría causar ceguera o quemaduras serias. Evite el contacto con el ácido.</p> <p>80015818</p>	<p>0020-50</p>	

Decals Group - Base

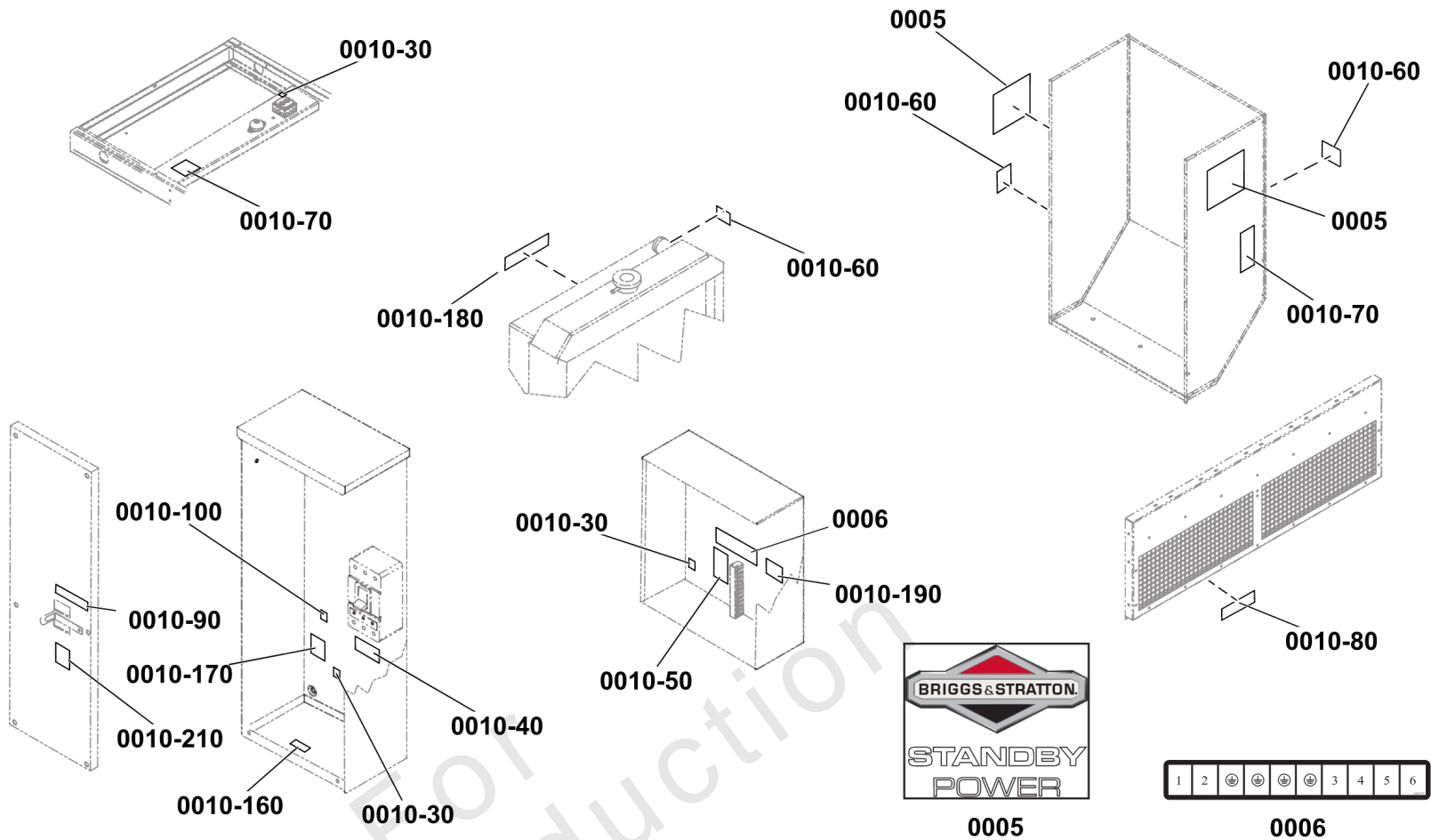
REF NO	PART NO	QTY	DESCRIPTION
0010	770847	1	DECAL-WARNING, NO GFCI
0020	708797	2	DECAL SHEET-WARNINGS -(Includes items 0020-10 thru 0020-70)
0020-10	-----	1	DECAL-WARNING, OPERATOR MANUAL
0020-20	-----	1	DECAL-WARNING, SHOCK
0020-30	-----	1	DECAL-WARNING, ELECTRIC SHOCK
0020-40	-----	1	DECAL-WARNING, ELECTRIC SHOCK
0020-50	-----	4	DECAL-WARNING
0020-60	-----	1	DECAL-WARNING, RISK OF EXPLOSION
0020-70	-----	1	DECAL-FUEL SOURCE

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Decals Group - Circuit Protection

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



<p>0010</p> <p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>To reduce the risk of fire, replace only with same type and rating of fuse.</p> <p>2.5AMP TYPE AGC</p> <p>Pour réduire le risque d'incendie, remplacez avec un fusible de même type et classification.</p> <p>2.5 A TYPE AGC</p> <p>Para reducir el riesgo de incendio, reemplace solamente con un fusible del mismo tipo y capacidad.</p> <p>2.5 AMP TIPO AGC</p>	<p>NOTICE AVIS AVISO</p> <p>ALL TERMINAL AND BUS LUGS ARE SUITABLE FOR COPPER WIRE 60/75°C RATING</p> <p>TOUTES LES BORNES ET COSSES DE COLLECTEURS CONVIENTENT AUX FILS DE CUIVRE DE CALIBRE 60/75°C</p> <p>TODO LOS CONECTORES DE TERMINAL Y DE BUS SON APROPIADOS PARA CABLE DE COBRE CON CAPACIDAD DE 60/75°C</p>	<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You cannot smell it or see it. Install outdoors only. Install carbon monoxide alarms in home. Hot surface could result in serious injury. Do not touch.</p> <p>Engine exhaust could ignite combustibles resulting in death or serious injury. Exhaust side of weatherproof enclosure shall have 5 ft. (1.5M) min clearance from any structures, shrubs, trees or any vegetation.</p> <p>L'échappement du moteur contient du monoxyde de carbone, un gaz toxique pouvant tuer en quelques minutes. Vous ne pouvez ni le sentir ni le voir. Installez à l'extérieur seulement. Installez les alarmes de monoxyde de carbone dans la maison. La surface chaude pourrait entraîner des blessures graves. Ne touchez pas.</p> <p>L'échappement du moteur peut enflammer les combustibles, ce qui peut provoquer des blessures graves, voire la mort. La sortie pour l'échappement de l'enceinte à l'épreuve des intempéries doit avoir un dégagement d'au moins 1.5 m (5 pi) de toutes structures, buissons, arbres ou autres végétaux. Cet équipement peut produire des étincelles pouvant déclencher des incendies autour de la végétation sèche. Un pare-étincelles pourrait être nécessaire. Contactez les responsables locaux des incendies pour connaître les exigences réglementaires liées à la prévention des incendies.</p> <p>Los gases de escape del motor contienen monóxido de carbono, un gas venenoso que podría matarlo en minutos. No puede verlo ni olerlo. Instale solamente en exteriores. Instale alarmas de monóxido de carbono en el hogar. La superficie caliente podría causar lesiones serias. No tocar.</p> <p>Los gases de escape del motor podrían incendiar materiales combustibles, lo que podría causar la muerte o lesiones serias. El lado de escape del gabinete impermeable debe tener un espacio libre de 5 pies (1.5 m) de distancia desde cualquier estructura, arbusto, árbol o cualquier vegetación. Este equipo puede causar chispas que podrían iniciar incendios en vegetación seca. Podría requerirse un supresor de chispas. Póngase en contacto con las agencias locales de combate a incendios para consultar las regulaciones referentes a requisitos de prevención de incendios.</p>	<p>RAINPROOF ENCLOSURE ÉTANCHE À LA PLUIE ENCEINTE GABINETE A PRUEBA DE LLUVIA</p> <p>0010-80</p>																																																							
<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>To reduce the risk of fire, replace only with same type and rating of fuse.</p> <p>15AMP TYPE ATO</p> <p>Pour réduire le risque d'incendie, remplacez avec un fusible de même type et classification.</p> <p>15 A TYPE ATO</p> <p>Para reducir el riesgo de incendio, reemplace solamente con un fusible del mismo tipo y capacidad.</p> <p>15AMP TIPO ATO</p>	<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Hot surface could result in serious injury. Do not touch.</p> <p>La surface chaude pourrait entraîner des blessures graves. Ne touchez pas.</p> <p>La superficie caliente podría causar lesiones serias. No tocar.</p>	<p>CAUTION MISE EN GARDE PRECAUCIÓN</p> <p>Connect output of generator to suitably rated transfer switch in accordance with the Canadian Electrical Code, Part 1.</p> <p>Branchez la sortie de la génératrice à un commutateur convertisseur de classification convenable, selon le Code canadien de l'électricité, partie 1.</p> <p>Conecte la salida del generador a un interruptor de transferencia de la capacidad adecuada de acuerdo con el Código Eléctrico Canadiense, Parte 1.</p>	<p>GENERATOR SERVICE DISCONNECT GÉNÉRATRICE ENTRETIEN DÉBRANCHER DESCONECTOR DE SERVICIO DEL GENERADOR</p> <p>0010-90</p> <table border="1"> <tr><td>1</td><td>NO</td><td>1-1</td><td>1-1</td><td>2-1</td></tr> <tr><td>2</td><td>COM</td><td>1-2</td><td>1-2</td><td>2-2</td></tr> <tr><td>3</td><td>NC</td><td>1-3</td><td>1-3</td><td>2-3</td></tr> <tr><td>4</td><td>TxRx</td><td>1-4</td><td>1-4</td><td>+12V</td></tr> <tr><td>5</td><td>TxRxGND</td><td>1-5</td><td>1-5</td><td>+12V</td></tr> <tr><td>6</td><td>+LED</td><td>1-6</td><td>1-6</td><td>2-5</td></tr> <tr><td>7</td><td>GND</td><td>1-7</td><td>1-7</td><td>+12V</td></tr> <tr><td>8</td><td>12VDC</td><td>1-8</td><td>1-8</td><td>2-6</td></tr> <tr><td></td><td></td><td></td><td></td><td>+12V</td></tr> <tr><td></td><td></td><td></td><td></td><td>2-7</td></tr> <tr><td></td><td></td><td></td><td></td><td>+12V</td></tr> </table>	1	NO	1-1	1-1	2-1	2	COM	1-2	1-2	2-2	3	NC	1-3	1-3	2-3	4	TxRx	1-4	1-4	+12V	5	TxRxGND	1-5	1-5	+12V	6	+LED	1-6	1-6	2-5	7	GND	1-7	1-7	+12V	8	12VDC	1-8	1-8	2-6					+12V					2-7					+12V
1	NO	1-1	1-1	2-1																																																						
2	COM	1-2	1-2	2-2																																																						
3	NC	1-3	1-3	2-3																																																						
4	TxRx	1-4	1-4	+12V																																																						
5	TxRxGND	1-5	1-5	+12V																																																						
6	+LED	1-6	1-6	2-5																																																						
7	GND	1-7	1-7	+12V																																																						
8	12VDC	1-8	1-8	2-6																																																						
				+12V																																																						
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				+12V																																																						
<p>NOTICE AVIS AVISO</p> <p>CONDUIT ENTRY AREA ZONE D'ENTRÉE DU CONDUIT ÁREA DE ENTRADA DE CONDUIT</p>	<p>Replace with UL listed fuse of same type and rating 600 volt, 10 amp</p> <p>Remplacez avec un fusible homologue UL de même type et classification de 600 volts, 10 amp.</p> <p>Reemplace con un fusible certificado por UL del mismo tipo y clasificación: 600 voltios, 10 amperios</p>	<p>0010-70</p>	<p>L1 L2 N 0010-100 0010-30</p> <p>0010-200 0010-100 0010-30</p> <p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>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</p> <p>MFG. ID: PB MFG. ID: IC</p> <p>0010-220 0010-230</p>																																																							
<p>WARNING AVERTISSEMENT ADVERTENCIA</p> <p>Hot pressurized coolant could result in severe injury. Do not open when hot. Allow coolant to cool before servicing.</p> <p>Le liquide de refroidissement pourrait provoquer de sâvères blessures. Ne pas ouvrir lorsque le liquide de refroidissement est chaud. Laissez refroidir le liquide de refroidissement avant d'effectuer l'entretien.</p> <p>El refrigerante caliente a presión podría causar lesiones severas. No abra cuando esté caliente. Permita que el refrigerante se enfríe antes de dar servicio.</p>	<p>U V W</p>	<p>0010-40</p>	<p>0010-210</p>																																																							

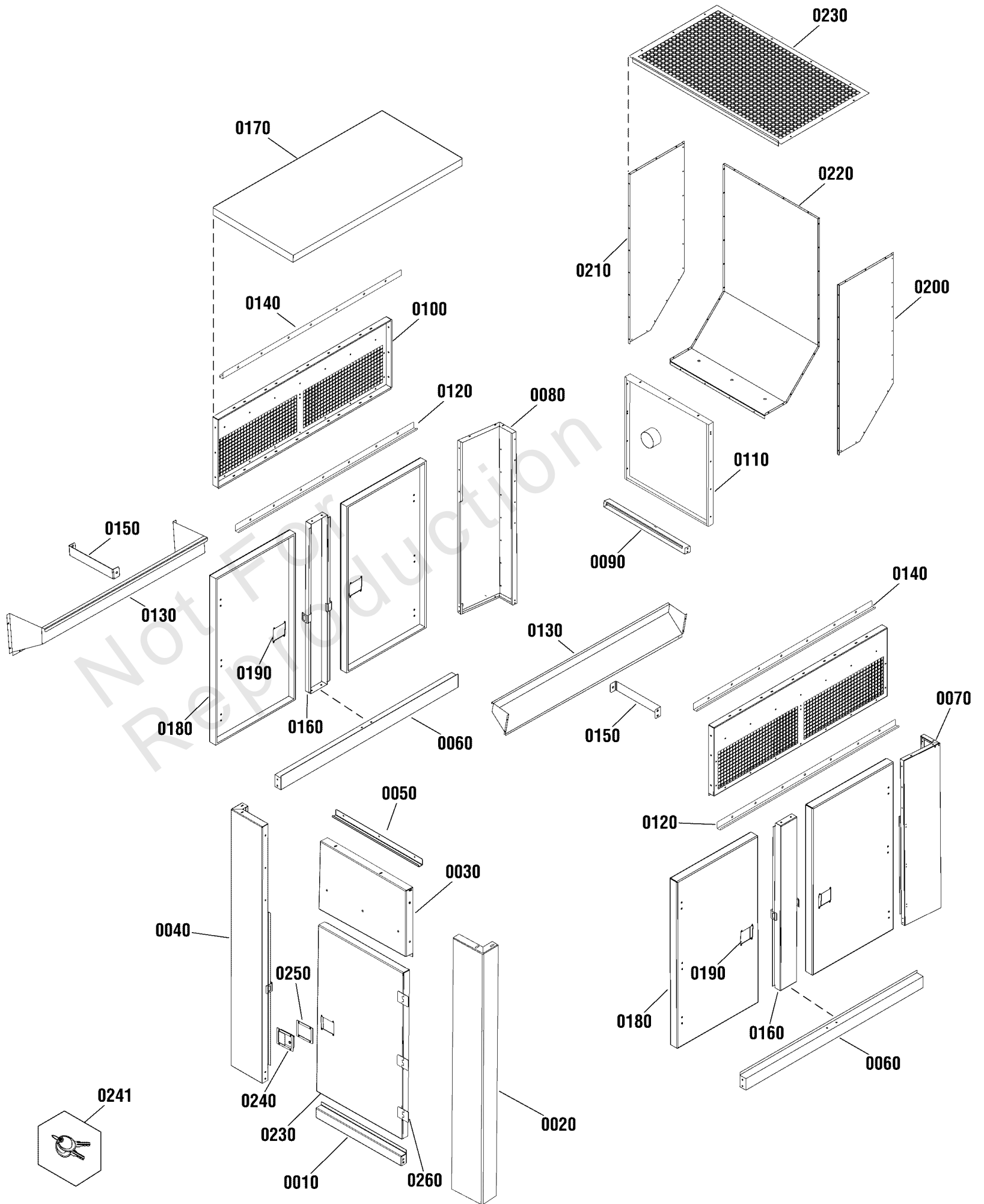
Decals Group - Circuit Protection

REF NO	PART NO	QTY	DESCRIPTION
0005	770848	2	DECAL, LOGO, 22 INCH
0006	770661	1	DECAL-Terminal Strip
0010	84011107	1	DECAL SHEET, Warnings -(Includes item 0010-10 thru 0010-230)
0010-20	-----	1	DECAL, Terminal Strip, Numbers 8-1
0010-30	-----	3	DECAL-GROUND
0010-40	-----	1	DECAL-CIRCUIT BREAKER
0010-50	-----	1	DECAL-WARNING, FUSE
0010-60	-----	3	DECAL-WARNING, HOT SURFACE
0010-70	-----	1	DECAL-WARNING, EXHAUST
0010-80	-----	1	DECAL-RAINPROOF ENCLOSURE
0010-90	-----	1	DECAL-DISCONNECT
0010-100	-----	1	DECAL-NEUTRAL
0010-110	-----	1	DECAL-TERMINAL STRIP
0010-120	-----	1	DECAL-TERMINAL STRIP
0010-130	-----	1	DECAL-TERMINAL, 25/26
0010-140	-----	1	DECAL-WARNING, RISK OF FIRE
0010-150	-----	1	DECAL-TERMINAL STRIP
0010-160	-----	1	DECAL-NOTICE, CONDUIT ENTRY
0010-170	-----	1	DECAL-NOTICE, TERMINAL & BUS LUGS
0010-180	-----	1	DECAL-WARNING, HOT COOLANT
0010-190	-----	1	DECAL-FUSE REPLACEMENT
0010-200	-----	1	DECAL-L1 / L2
0010-210	-----	1	DECAL, Warning -(The installation of this decal is required for units manufactured after 08/30/2018 and sold in the state of California.)
0010-220	-----	1	DECAL
0010-230	-----	1	DECAL

Enclosure Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01

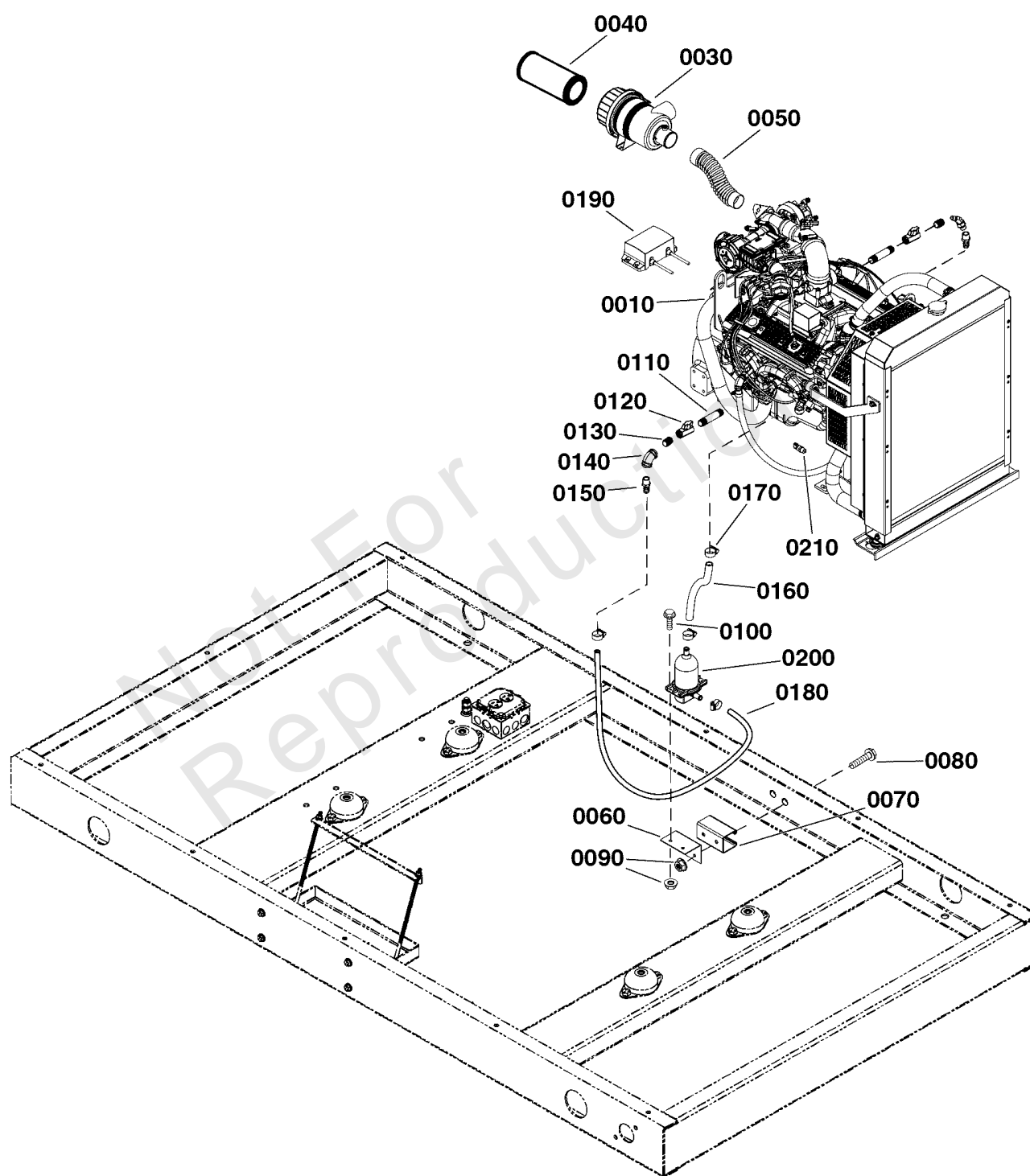


Enclosure Group

REF NO	PART NO	QTY	DESCRIPTION
0010	80027902	1	SILL, Door, w/Insulation
0020	80027903	1	CORNER, Enclosure, Right, w/Insulation
0030	80027904	1	PANEL, Enclosure, w/Insulation
0040	80027905	1	CORNER, Enclosure, Left, w/Insulation
0050	80024173	2	SILL, GUTTER
0060	80024166	1	SILL, DOOR
0070	80027907	1	CORNER, Enclosure, Right, w/Insulation
0080	80027908	1	CORNER, Enclosure, Left, w/Insulation
0090	80027909	2	SILL, Radiator, w/Insulation
0100	80027910	1	PANEL, Intake Side, w/Insulation
0110	80027911	2	PANEL, Enclosure, w/Insulation
0120	80024172	2	SILL, GUTTER
0130	80024185	2	BAFFLE, INTAKE
0140	80024187	2	SILL, ENCLOSURE
0150	80024184	2	SUPPORT, BAFFLE
0160	80027912	2	PILLAR, Enclosure, w/Insulation
0170	80027913	1	PANEL, Roof, w/Insulation
0180	80027914	5	PANEL, Door, w/Insulation
0190	80024188	5	HANDLE, DOOR
0200	80024176	1	PANEL, EXHAUST, RIGHT
0210	80024177	1	PANEL, EXHAUST, LEFT
0220	80024178	1	PANEL, EXHAUST
0230	80024168	1	PANEL, EXHAUST
0240	80024790	5	LATCH, Door
0241	772073	1	SET, Latch Key
0250	80024810	5	GASKET, Door Latch
0260	80024780	15	HINGE, Door
--	-----	20	*SCREW, TAMP-PROOF, HEX SOCKET, 1/4-20 X 3/4 SS -(*See footnote, Not Illustrated)
--	-----	20	*WASHER, FLAT, 1/4-20 SS -(*See footnote, Not Illustrated)
--	-----	20	*NUT, NYLOCK, 1/4-20 SS -(*See footnote, Not Illustrated)
--	-----	79	SCREW, 1/4-20 X 3/4 SS -(*See footnote, Not Illustrated)
--	-----	8	*SCREW, 3/8-16 X 3/4 SS -(*See footnote, Not Illustrated)
--	-----	68	*SCREW, 1/4-20 X 3/4, ZINC CLEAR -(*See footnote, Not Illustrated)
--	-----	72	*WASHER, FLAT, 3/8 -(*See footnote, Not Illustrated)
--	-----	36	*SCREW, 3/8-16 X 3/4, ZINC CLEAR -(*See footnote, Not Illustrated)
--	-----	36	*NUT, NYLOCK, 3/8-16, ZINC CLEAR -(*See footnote, Not Illustrated)

Footnotes:

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



Engine Group

REF NO	PART NO	QTY	DESCRIPTION
0010	80027538	1	ENGINE, 5.7L TCAC
0030	80021511	1	AIR CLEANER ASSEMBLY
0040	770029	1	FILTER-CARTRIDGE
0050	318640GS	1	HOSE, INTAKE
0060	-----	1	BRACKET, Mounting, Heat Pump -(*See footnote)
0070	-----	1	STRUT CHANNEL, 1-5/8 X 1-5/8 X 3 -(*See footnote)
0080	-----	2	SCREW, FLANGED, 1/4-20 x 2.5 -(*See footnote)
0090	-----	4	NUT, FLANGED, 1/4-20 -(*See footnote)
0100	-----	2	SCREW, FLANGED, 1/4-20 x 1 -(*See footnote)
0110	-----	1	FITTING, NIPPLE, 3/8 NPT x 2 -(*See footnote)
0120	-----	2	*VALVE, BALL, 1/2 NPT -(*See footnote)
0130	-----	2	*FITTING, NIPPLE, 1/2 NPT x 1-1/8 -(*See footnote)
0140	-----	2	*FITTING, ELBOW, 1/2 NPT X 45° -(*See footnote)
0150	-----	2	*HOSE, BARB, 5/8 BARB, 1/2 MNPT -(*See footnote)
0160	-----	1	HOSE, 5/8 ID X 24" -(*See footnote)
0170	-----	4	*CLAMP, HOSE, 1 -(*See footnote)
0180	-----	1	HOSE, 5/8 ID X 36" -(*See footnote)
0190	771737	1	CHARGER, Battery
0200	708798	1	HEATER, 120V
0210	80029983	1	SWITCH, Low Coolant

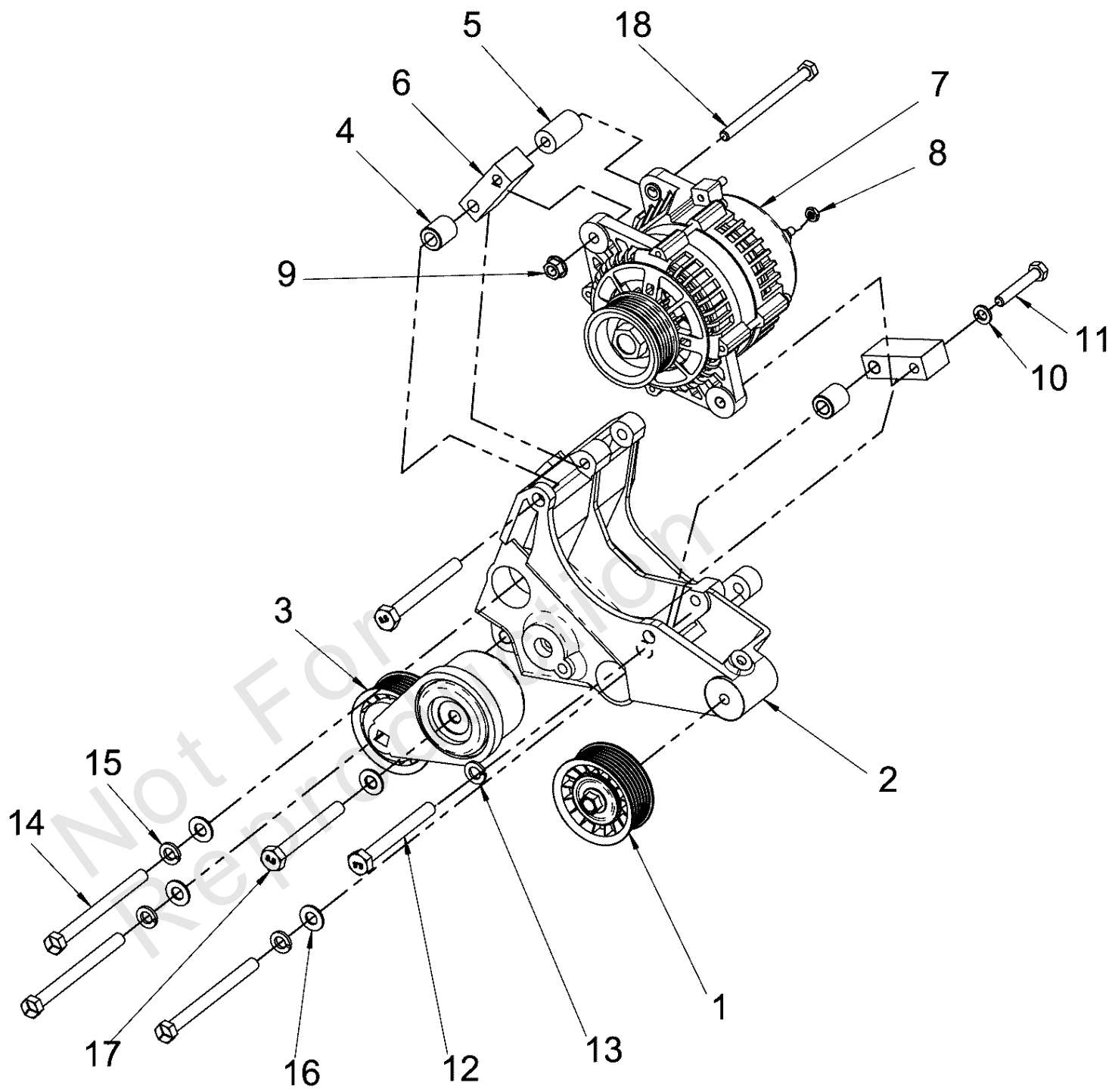
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Alternator

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Alternator

REF NO	PART NO	QTY	DESCRIPTION
1	708971		IDLER PULLEY
2	-----		* BRACKET -(*See footnote)
3	708972		PULLEY
4	-----		Engine, Briggs & Stratton * -(*See footnote)
5	-----		* SPACER -(*See footnote)
6	-----		* BLOCK MOUNT -(*See footnote)
7	708998		ALTERNATOR
8	-----		* NUT -(*See footnote)
9	-----		* NUT -(*See footnote)
10	-----		* WASHER -(*See footnote)
11	-----		* BOLT -(*See footnote)
12	-----		* BOLT -(*See footnote)
13	-----		* WASHER -(*See footnote)
14	-----		* BOLT -(*See footnote)
15	-----		* WASHER -(*See footnote)
16	-----		* WASHER -(*See footnote)
17	-----		* BOLT -(*See footnote)
18	-----		* BOLT -(*See footnote)

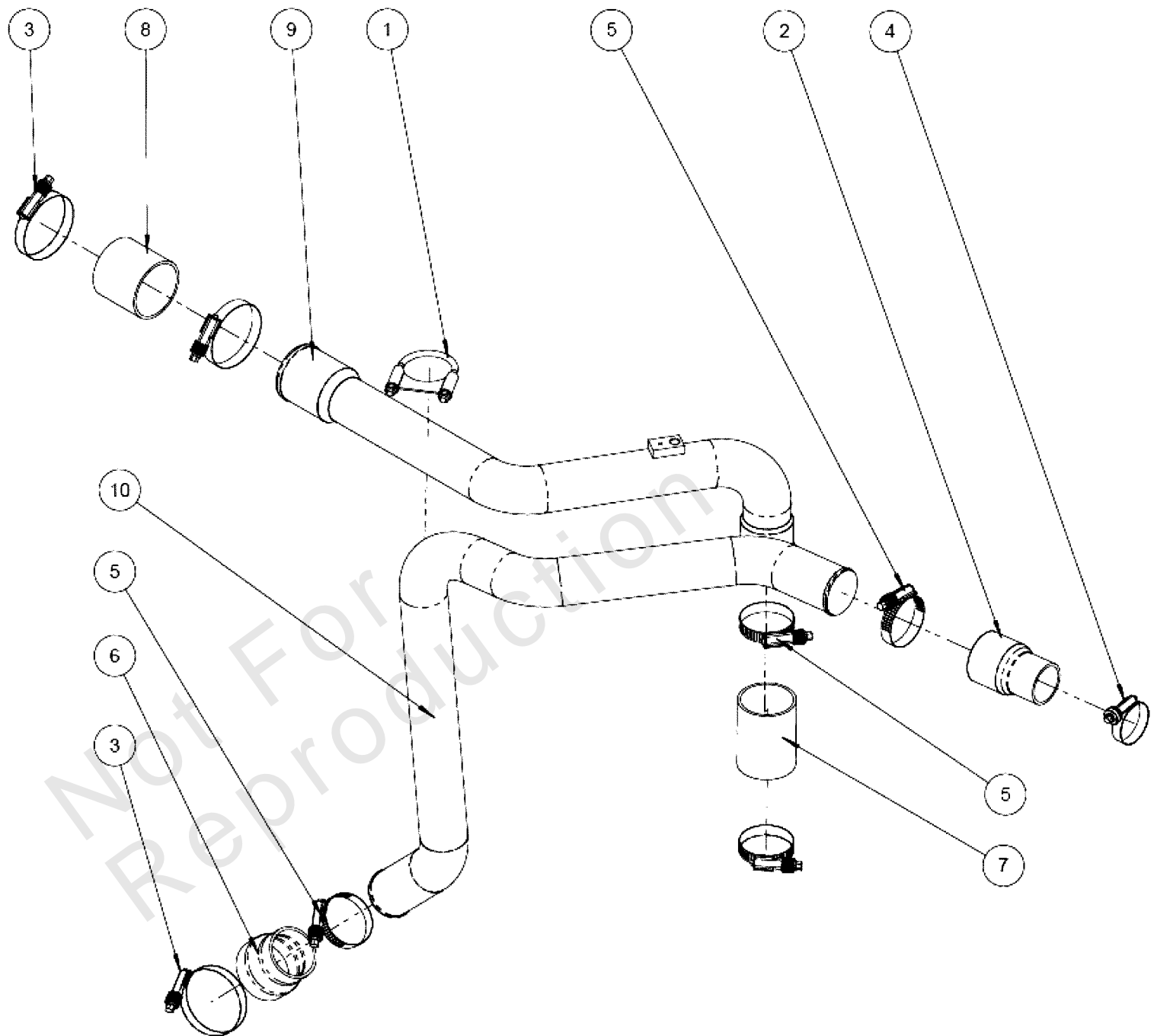
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - CAC Piping

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - CAC Piping

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	* CLAMP -(*See footnote)
2	-----	1	* HOSE -(*See footnote)
3	-----	3	* CLAMP -(*See footnote)
4	770723	1	CLAMP
5	770724	4	CLAMP
6	770725	1	HOSE
7	770726	1	HOSE
8	770727	1	HOSE
9	-----	1	* PIPE -(*See footnote)
10	-----	1	* PIPE -(*See footnote)

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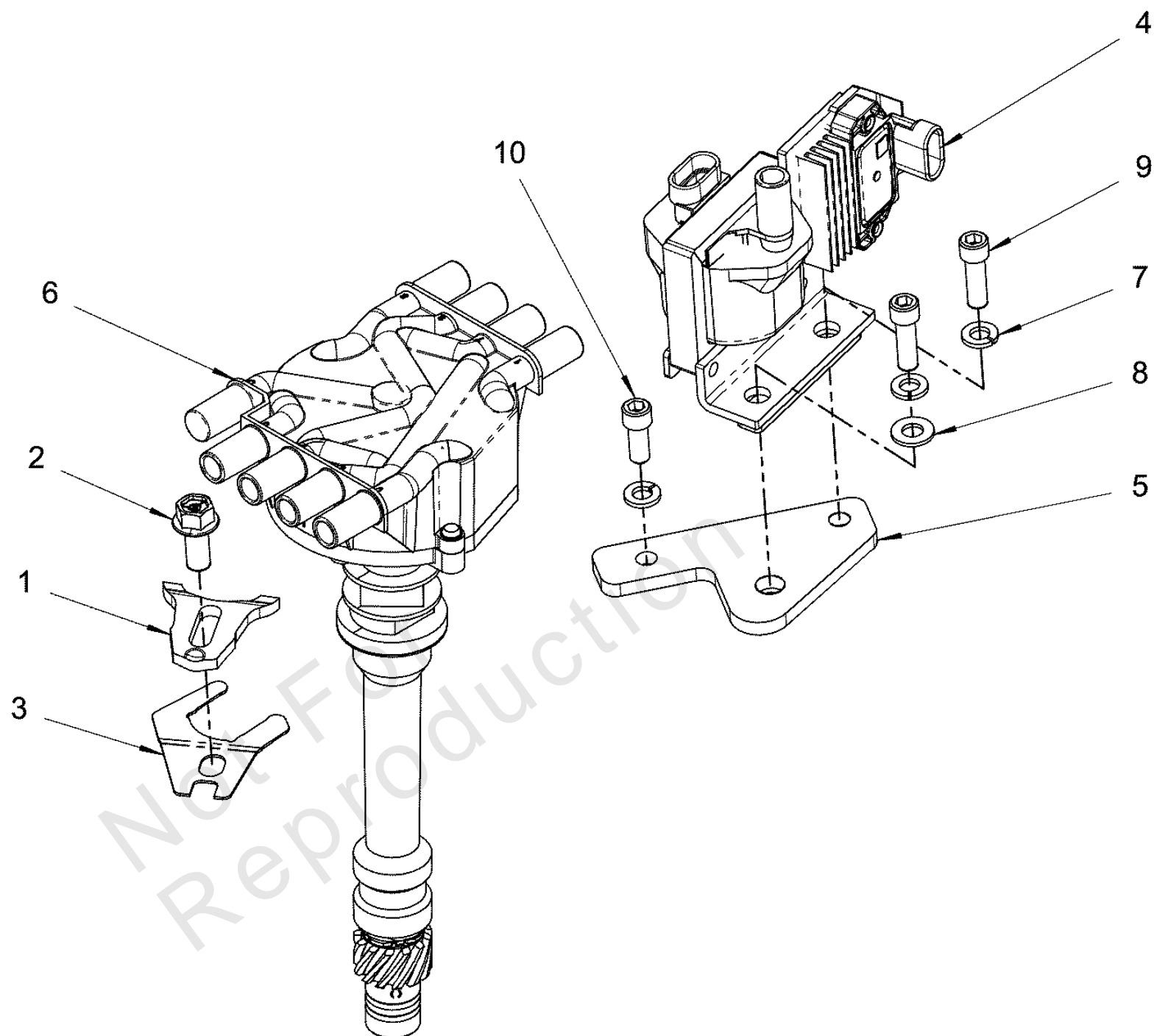
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Coil & Distributor

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Coil & Distributor

REF NO	PART NO	QTY	DESCRIPTION
1	-----		* CLAMP -(*See footnote)
2	-----		* BOLT -(*See footnote)
3	770851		YOKE
4	709458		IGNITION COIL
5	-----		* BRACKET -(*See footnote)
6	708999		DISTRIBUTOR
7	-----		* WASHER -(*See footnote)
8	-----		* WASHER -(*See footnote)
9	-----		* BOLT -(*See footnote)
10	-----		* BOLT -(*See footnote)

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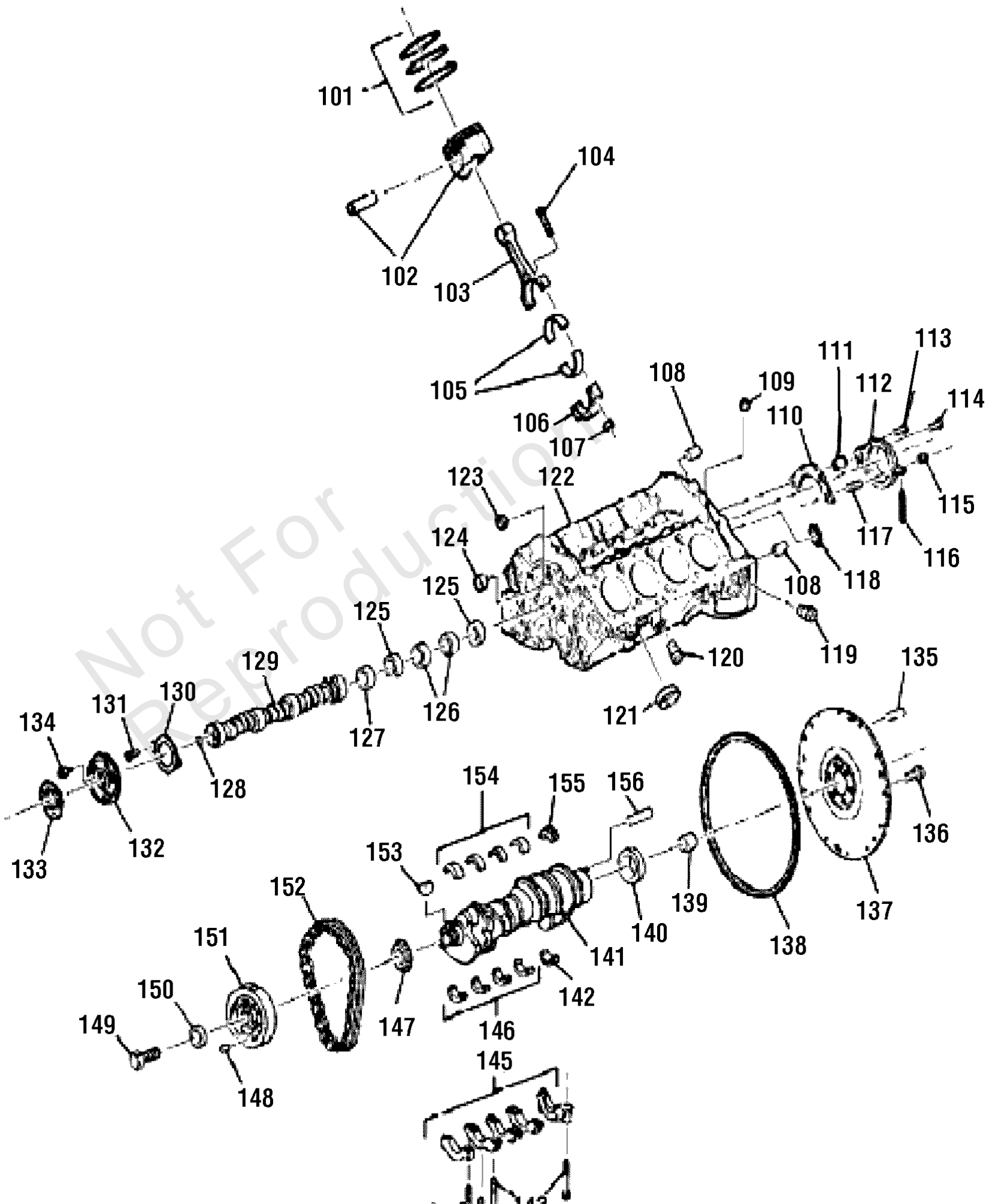
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Cylinder Block

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Cylinder Block

REF NO	PART NO	QTY	DESCRIPTION
101	-----		NUT, Hex Nyloc -(*See footnote)
102	-----		* PISTON -(*See footnote)
103	-----		* ROD -(*See footnote)
104	-----		* BOLT -(*See footnote)
105	-----		* BEARING -(*See footnote)
106	-----		* CAP -(*See footnote)
107	-----		* NUT -(*See footnote)
108	-----		* PIN -(*See footnote)
109	-----		* PLUG -(*See footnote)
110	-----		* GASKET -(*See footnote)
111	-----		* PIN -(*See footnote)
112	-----		* SEAL -(*See footnote)
113	-----		* BOLT -(*See footnote)
114	-----		* BOLT -(*See footnote)
115	-----		* NUT -(*See footnote)
116	-----		* STUD -(*See footnote)
117	-----		* STUD -(*See footnote)
118	-----		* EXPANSION PLUG -(*See footnote)
119	-----		* PLUG -(*See footnote)
120	-----		* PLUG -(*See footnote)
121	708848		WATER PLUG
122	-----		* CYLINDER BLOCK -(*See footnote)
123	-----		HUB, EZT Transmission -(*See footnote)
124	-----		NUT, EZT Transmission -(*See footnote)
125	-----		* BEARING POS 2-5 -(*See footnote)
126	-----		* BEARING POS 3-4 -(*See footnote)
127	-----		* BEARING POS 1 -(*See footnote)
128	-----		* PIN -(*See footnote)
129	-----		* CAMSHAFT -(*See footnote)

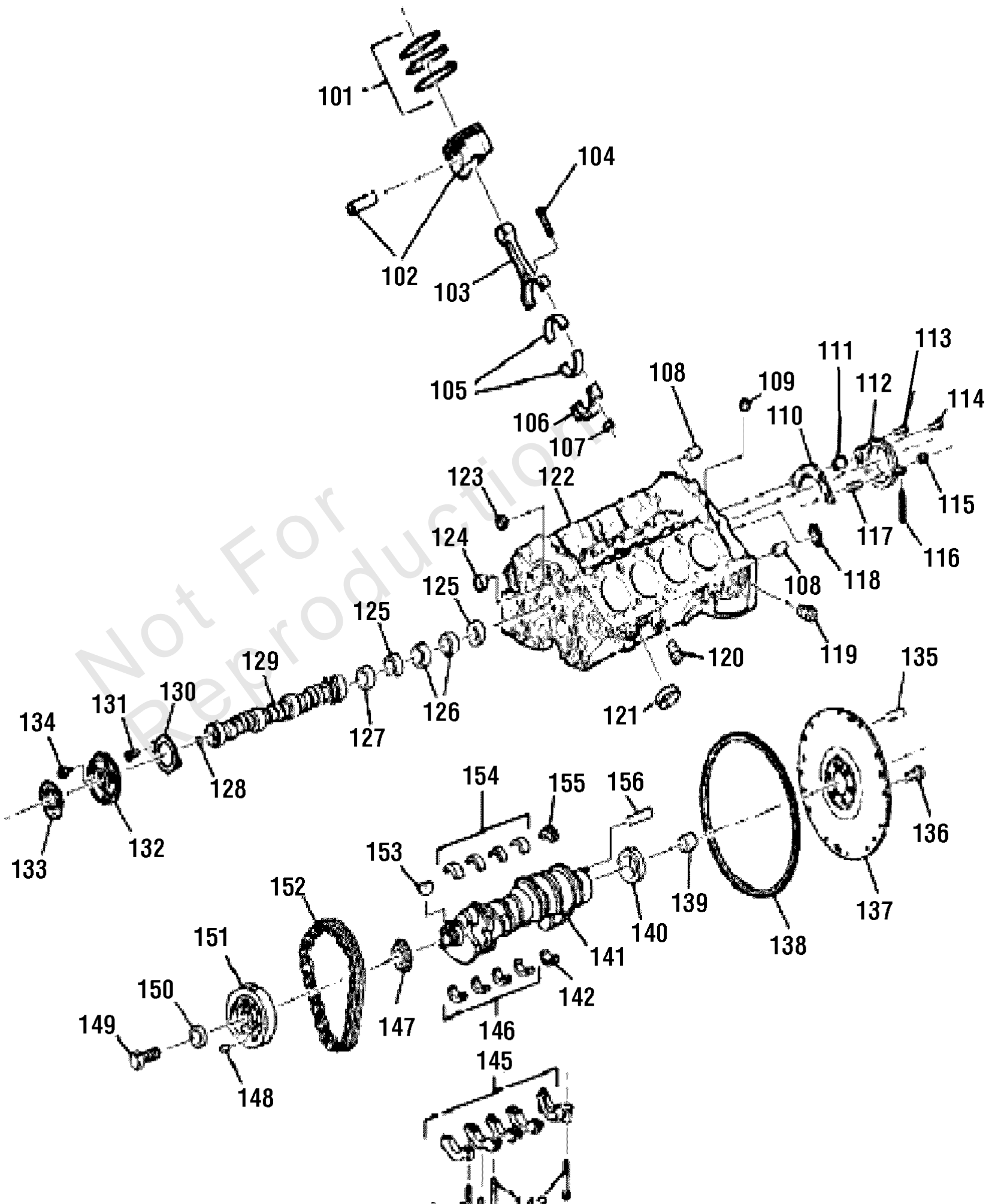
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Cylinder Block

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Cylinder Block

REF NO	PART NO	QTY	DESCRIPTION
130	-----		* RETAINER -(*See footnote)
131	-----		* BOLT -(*See footnote)
132	-----		* SPROCKET -(*See footnote)
133	-----		* RING -(*See footnote)
134	-----		* BOLT -(*See footnote)
135	-----		* WEIGHT -(*See footnote)
136	-----		* BOLT -(*See footnote)
137	-----		* FLYWHEEL -(*See footnote)
138	-----		* GEAR -(*See footnote)
139	-----		* BEARING -(*See footnote)
140	708849		SEAL
141	-----		* CRANKSHAFT -(*See footnote)
142	-----		* BEARING -(*See footnote)
143	-----		* BOLT -(*See footnote)
144	-----		* STUD -(*See footnote)
145	-----		* CAP -(*See footnote)
146	-----		* BEARING -(*See footnote)
147	-----		* SPROCKET -(*See footnote)
148	-----		* PIN -(*See footnote)
149	-----		* BOLT -(*See footnote)
150	-----		* WASHER -(*See footnote)
151	80024095		* BALANCER -(*See footnote)
152	-----		* CHAIN -(*See footnote)
153	-----		* KEY -(*See footnote)
154	-----		* BEARING -(*See footnote)
155	-----		* BEARING -(*See footnote)
156	-----		* PIN -(*See footnote)

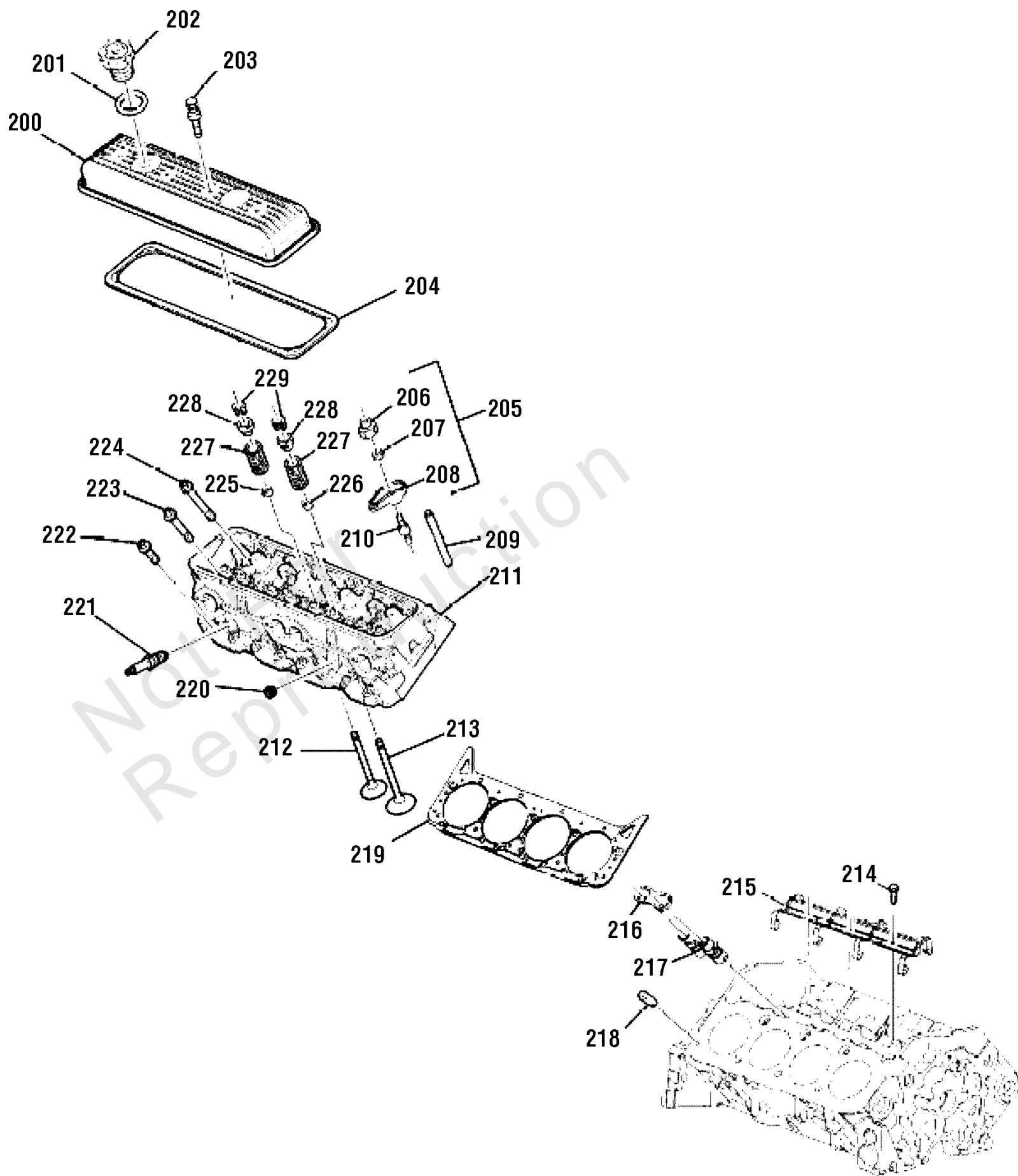
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Cylinder Head

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Cylinder Head

REF NO	PART NO	QTY	DESCRIPTION
200	-----		* COVER -(*See footnote)
201	-----		* SEAL -(*See footnote)
202	709679		CAP
203	-----		* BOLT -(*See footnote)
204	708852		VALVE GASKET
205	-----		* KIT -(*See footnote)
206	-----		* NUT -(*See footnote)
207	-----		* BALL -(*See footnote)
208	-----		* ARM -(*See footnote)
209	-----		* ROD -(*See footnote)
210	-----		* STUD -(*See footnote)
211	-----		* HEAD -(*See footnote)
211	-----		* HEAD HD (OPTIONAL) -(*See footnote)
212	-----		* EXHAUST VALVE -(*See footnote)
213	-----		* INTAKE VALVE -(*See footnote)
214	-----		* BOLT -(*See footnote)
215	-----		* RETAINER -(*See footnote)
216	-----		* GUIDE -(*See footnote)
217	-----		* TANK, Fuel -(*See footnote)
218	-----		* PIN -(*See footnote)
219	708851		GASKET
220	-----		* PLUG -(*See footnote)
221	708819		SPARK PLUG
222	-----		* BOLT -(*See footnote)
223	-----		* BOLT -(*See footnote)
224	-----		* BOLT -(*See footnote)
225	-----		* SEAL -(*See footnote)
226	-----		* SEAL -(*See footnote)
227	-----		* SPRING -(*See footnote)
228	-----		* CAP -(*See footnote)

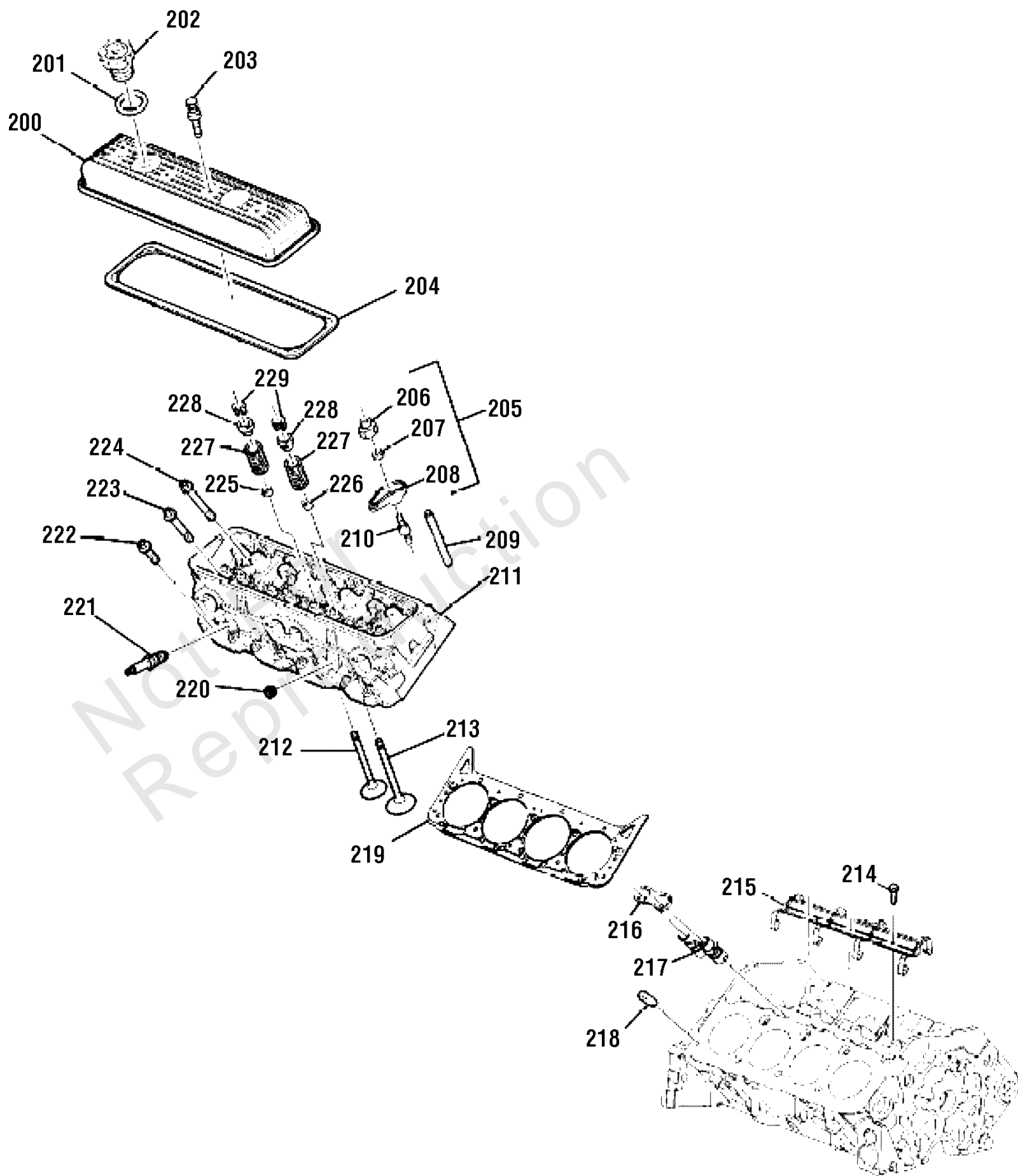
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Cylinder Head

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Cylinder Head

REF NO	PART NO	QTY	DESCRIPTION
229	-----		* KEY -(*See footnote)

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Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Distributor

REF NO	PART NO	QTY	DESCRIPTION
1	709460		CAP
2	709461		ROTOR, DISTRIBUTOR
3	-----		* GEAR -(*See footnote)
4	-----		* GASKET -(*See footnote)
5	708844		SENSOR
6	-----		* BOLT -(*See footnote)
7	-----		* BOLT -(*See footnote)
8	-----		* BOLT -(*See footnote)
9	-----		* BOLT -(*See footnote)
10	-----		* CLAMP -(*See footnote)
11	-----		* HOUSING -(*See footnote)
12	-----		* SHAFT -(*See footnote)
14	708999		DISTRIBUTOR

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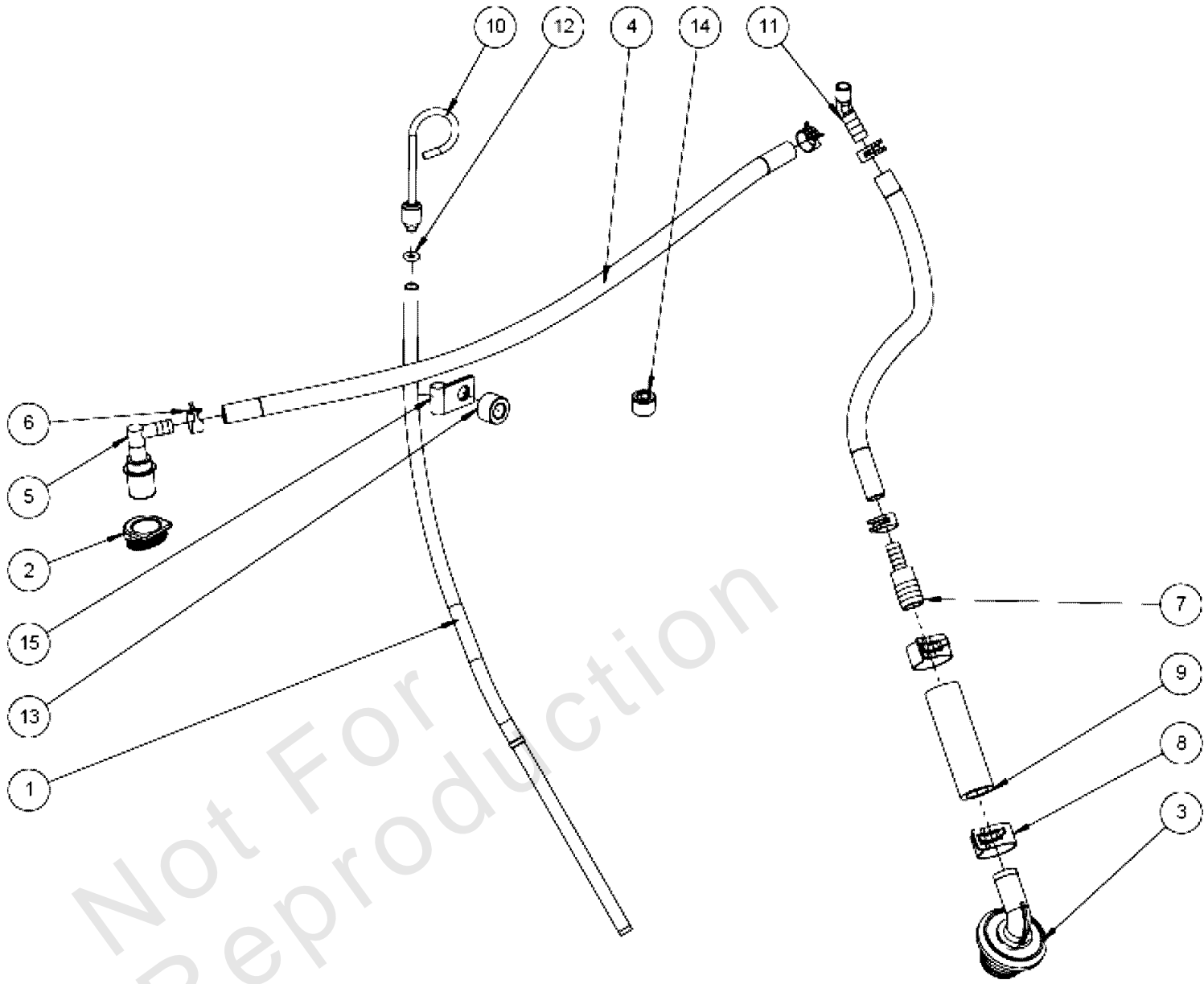
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Dress

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Dress

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	* TUBE -(*See footnote)
2	708976	2	GROMMET
3	708978	1	ELBOW, PCV
4	770852	1	HOSE
5	708979	1	PCV VALVE
6	708982	4	CLAMP
7	708861	1	ADAPTER
8	708983	2	CLAMP, HOSE
9	708986	3	HOSE, VAPOR, 3"
10	708989	1	DIPSTICK
11	-----	1	* FITTING -(*See footnote)
12	-----	1	* O-RING -(*See footnote)
13	-----	1	* SPACER -(*See footnote)
14	-----	1	* PLUG -(*See footnote)
15	-----	1	* CLAMP -(*See footnote)

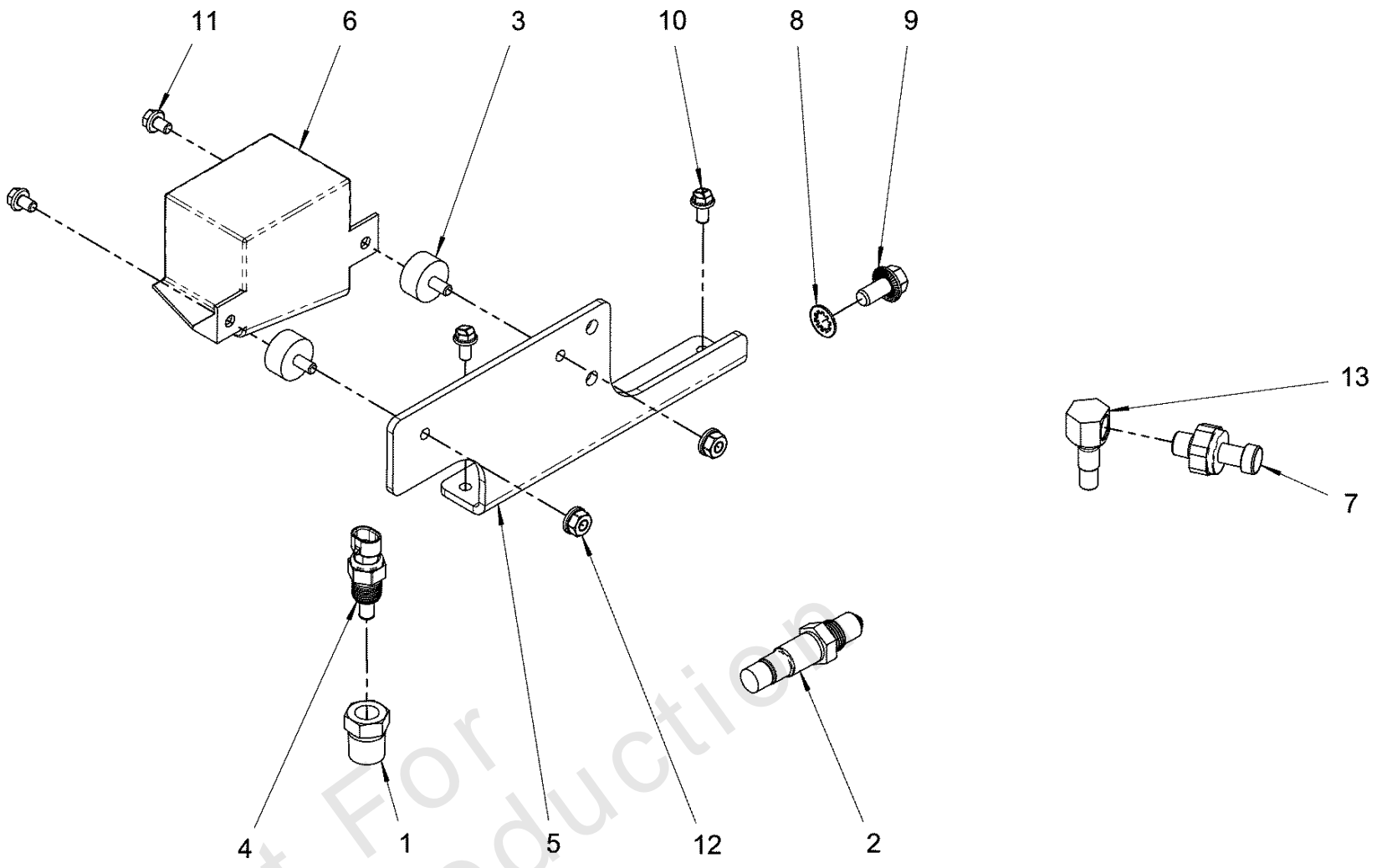
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Electrical

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Electrical

REF NO	PART NO	QTY	DESCRIPTION
1	-----		* BUSHING -(*See footnote)
2	708872		SENSOR, O2
3	-----		* RELAY BOX ISOLATOR -(*See footnote)
4	708873		OIL PRESSURE SENSOR
5	-----		* BRACKET -(*See footnote)
6	708997		MAIN ENGINE HARNESS
7	80024133		OIL PRESSURE SENDER
8	-----		* WASHER -(*See footnote)
9	-----		* BOLT -(*See footnote)
10	-----		* BOLT -(*See footnote)
11	-----		* BOLT -(*See footnote)
12	-----		* NUT -(*See footnote)
13	-----		* FITTING -(*See footnote)

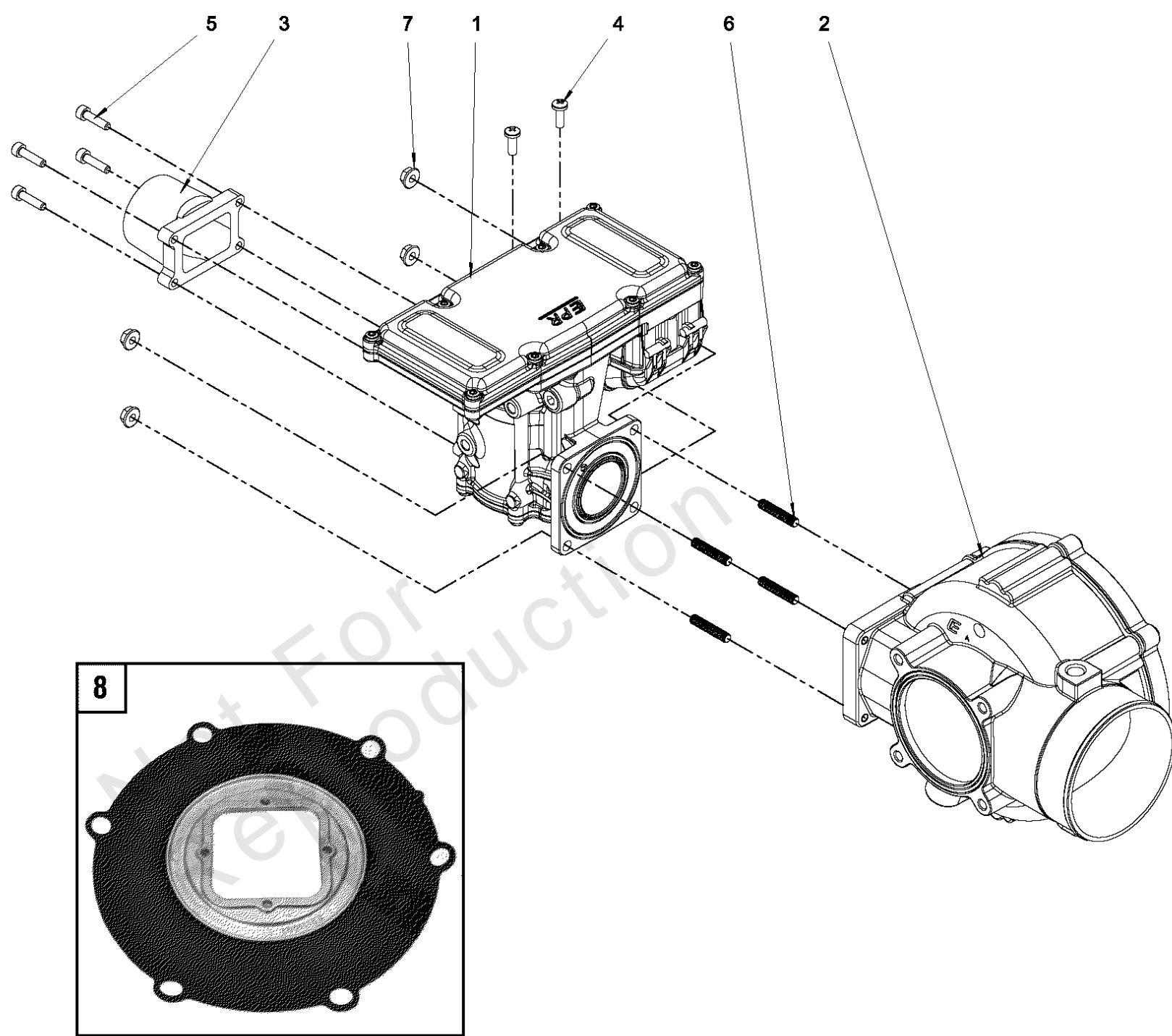
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - EPR

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - EPR

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	PROGRAMMED EPR -(*See footnote)
2	708988	1	MIXER
3	770853	1	FITTING
4	-----	2	* SCREW -(*See footnote)
5	-----	4	* BOLT -(*See footnote)
6	-----	4	* STUD -(*See footnote)
7	-----	4	* NUT -(*See footnote)
8	708968	1	MIXER REPAIR KIT

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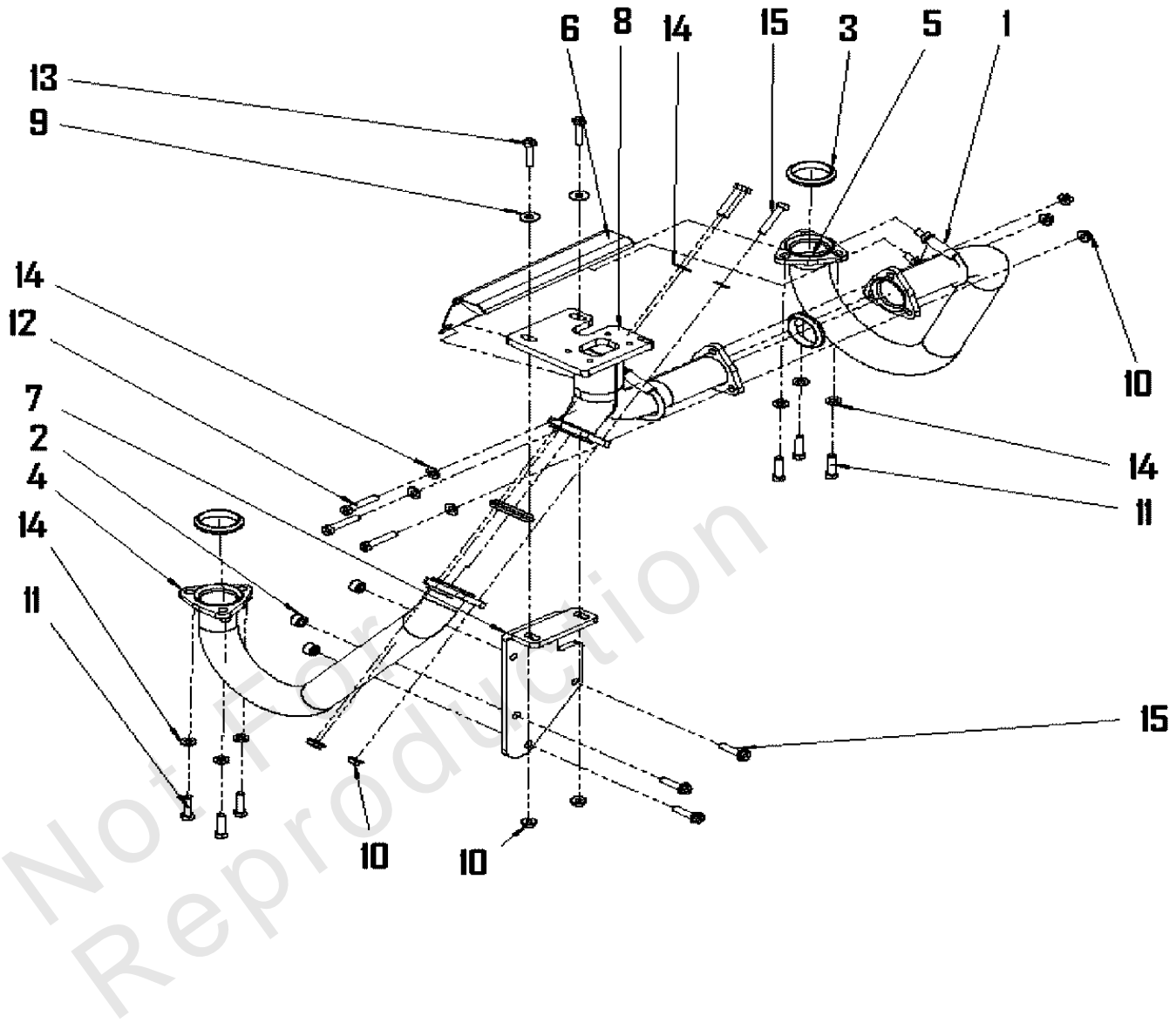
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Exhaust

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Exhaust

REF NO	PART NO	QTY	DESCRIPTION
1	-----		* CLAMP -(*See footnote)
2	-----		* SPACER -(*See footnote)
3	770743		GASKET
4	-----		* PIPE -(*See footnote)
5	-----		* PIPE -(*See footnote)
6	-----		* SHIELD -(*See footnote)
7	-----		* BRACKET -(*See footnote)
8	-----		* PIPE -(*See footnote)
9	-----		* WASHER -(*See footnote)
10	-----		* NUT -(*See footnote)
11	-----		* BOLT -(*See footnote)
12	-----		* BOLT -(*See footnote)
13	-----		* BOLT -(*See footnote)
14	-----		* WASHER -(*See footnote)
15	-----		* BOLT -(*See footnote)

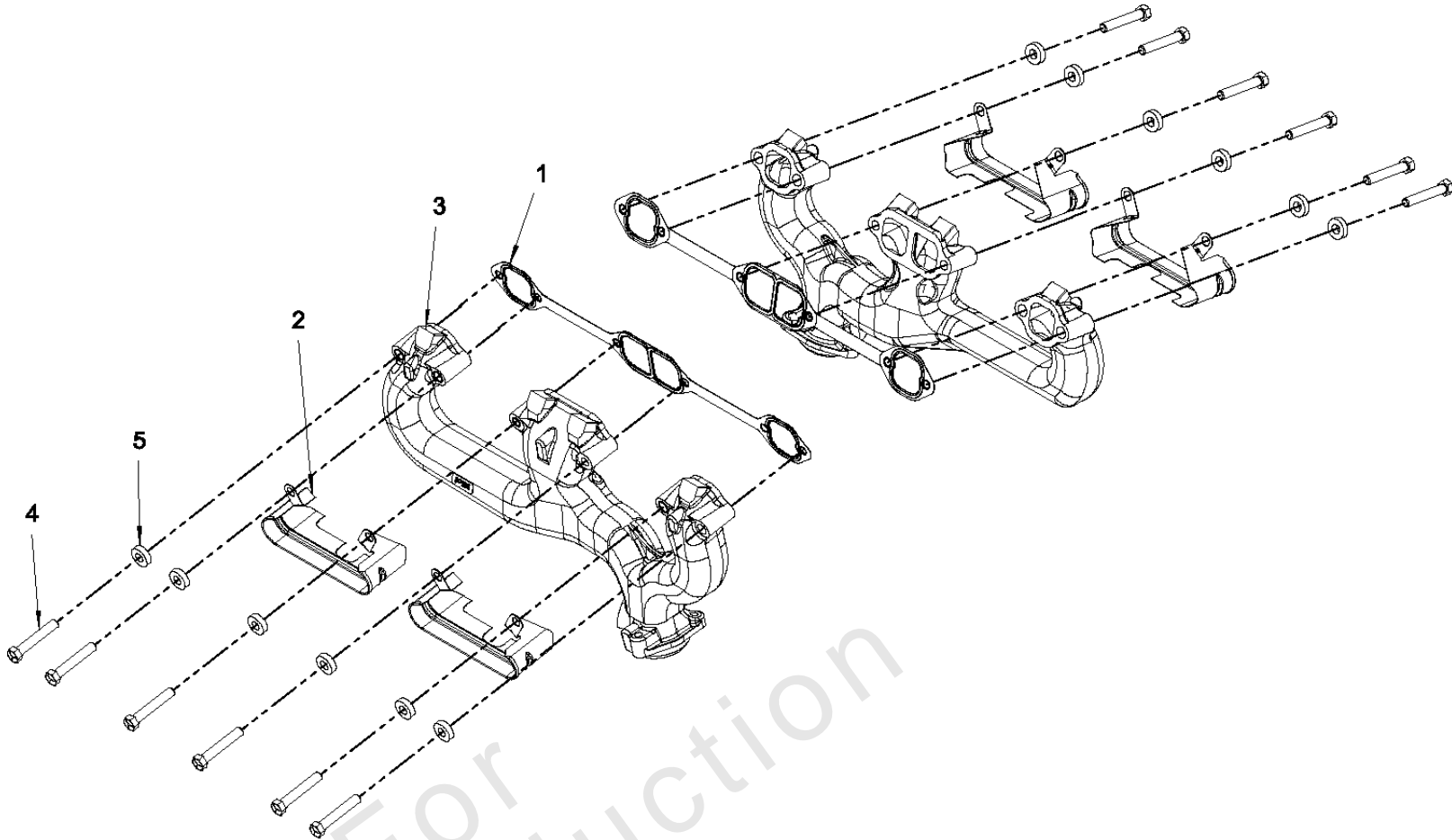
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Exhaust Manifold

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Exhaust Manifold

REF NO	PART NO	QTY	DESCRIPTION
1	80024140		GASKET
2	-----		* HEAT SHIELD -(*See footnote)
3	-----		* EXHAUST MANIFOLD -(*See footnote)
4	-----		* BOLT -(*See footnote)
5	-----		* WASHER -(*See footnote)

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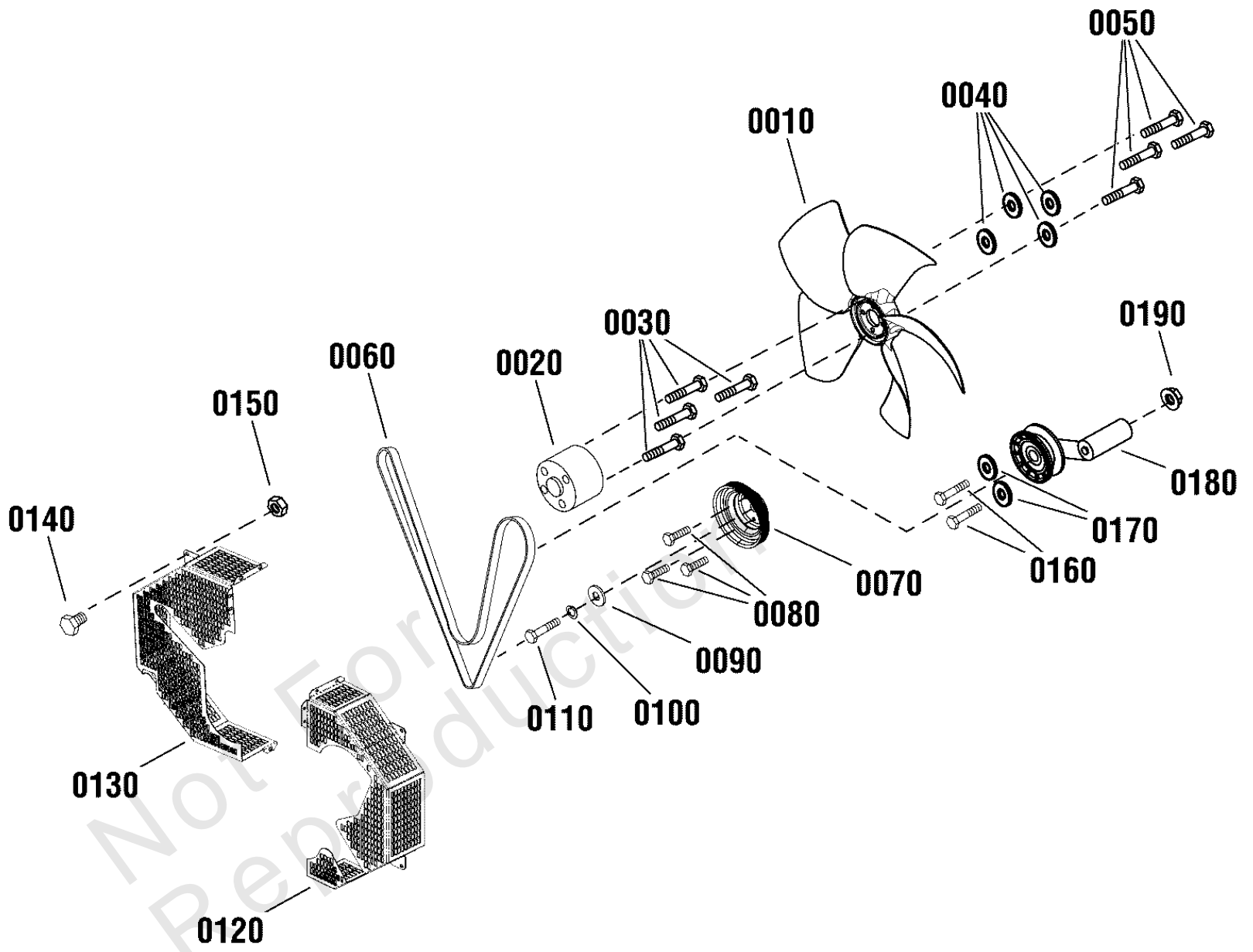
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Fan Pusher

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Fan Pusher

REF NO	PART NO	QTY	DESCRIPTION
0010	770752	1	FAN PUSHER
0020	-----	1	*SPACER -(*See footnote)
0030	-----	4	*BOLT -(*See footnote)
0040	-----	4	*WASHER -(*See footnote)
0050	-----	4	*BOLT -(*See footnote)
0060	770746	1	BELT
0070	708974	1	PULLEY, CRANK
0080	-----	3	*BOLT -(*See footnote)
0090	-----	1	*WASHER -(*See footnote)
0100	-----	1	*WASHER -(*See footnote)
0110	-----	1	*BOLT -(*See footnote)
0120	80024112	1	GUARD, Right
0130	80024111	1	GUARD, Left
0140	-----	6	*BOLT -(*See footnote)
0150	-----	6	*NUT -(*See footnote)
0160	-----	2	*BOLT -(*See footnote)
0170	-----	2	*WASHER -(*See footnote)
0180	770745	1	PULLEY
0190	-----	1	*NUT -(*See footnote)

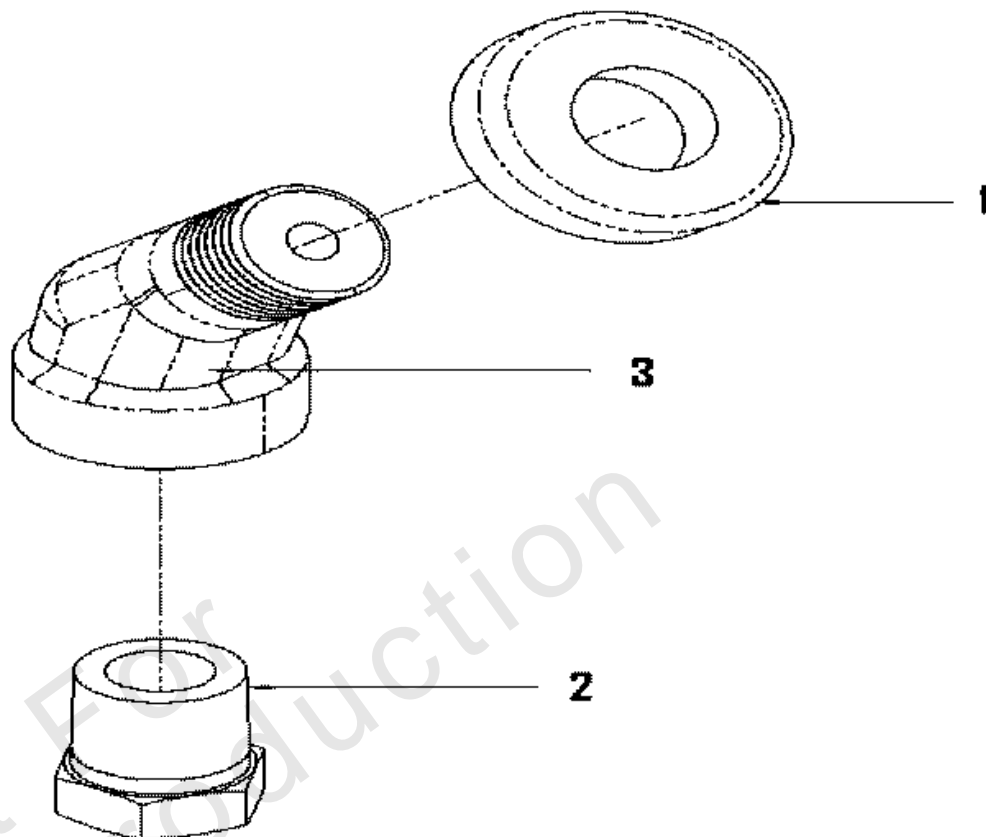
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Freeze Plug

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



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Engine Group - Freeze Plug

REF NO	PART NO	QTY	DESCRIPTION
1	-----		* ADAPTER -(*See footnote)
2	-----		* PLUG -(*See footnote)
3	-----		* PIPE -(*See footnote)

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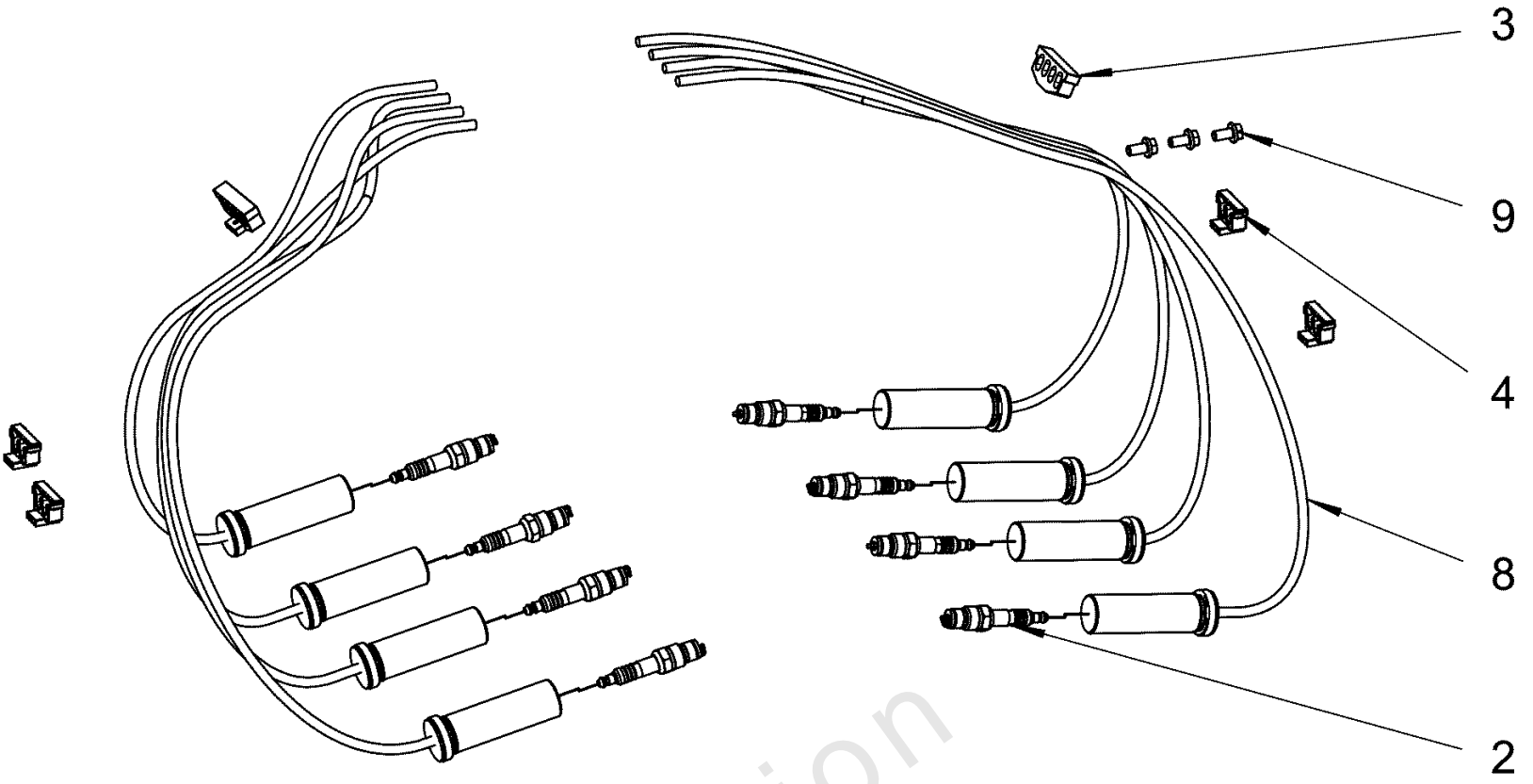
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Ignition Wires

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Ignition Wires

REF NO	PART NO	QTY	DESCRIPTION
1	708977		LOOM -(*See footnote) (Not Illustrated)
2	708819		SPARK PLUG
3	-----		* 4 WIRE RETAINER -(*See footnote)
4	-----		* 2 WIRE RETAINER -(*See footnote)
5	-----		* RETAINER -(*See footnote) (Not Illustrated)
6	-----		* RETAINER -(*See footnote) (Not Illustrated)
7	-----		* RETAINER -(*See footnote) (Not Illustrated)
8	80024147		IGNITION WIRE - KIT
9	-----		* BOLT -(*See footnote)

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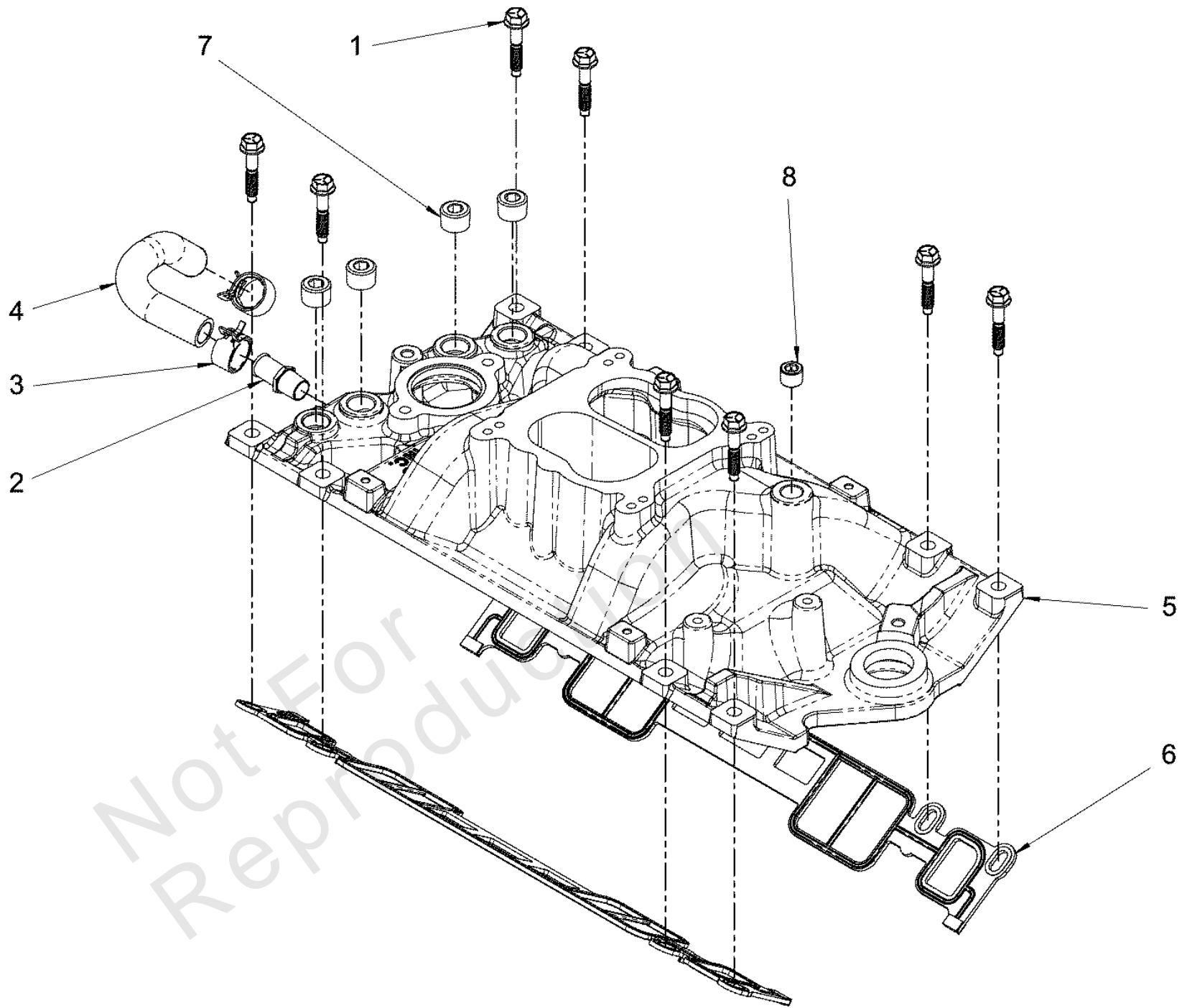
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Intake Manifold

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Intake Manifold

REF NO	PART NO	QTY	DESCRIPTION
1	-----		* BOLT -(*See footnote)
2	-----		* FITTING -(*See footnote)
3	-----		* CLAMP -(*See footnote)
4	708985		HOSE
5	-----		* INTAKE MANIFOLD -(*See footnote)
6	80024145		GASKET
7	-----		* PLUG -(*See footnote)
8	-----		* PLUG -(*See footnote)

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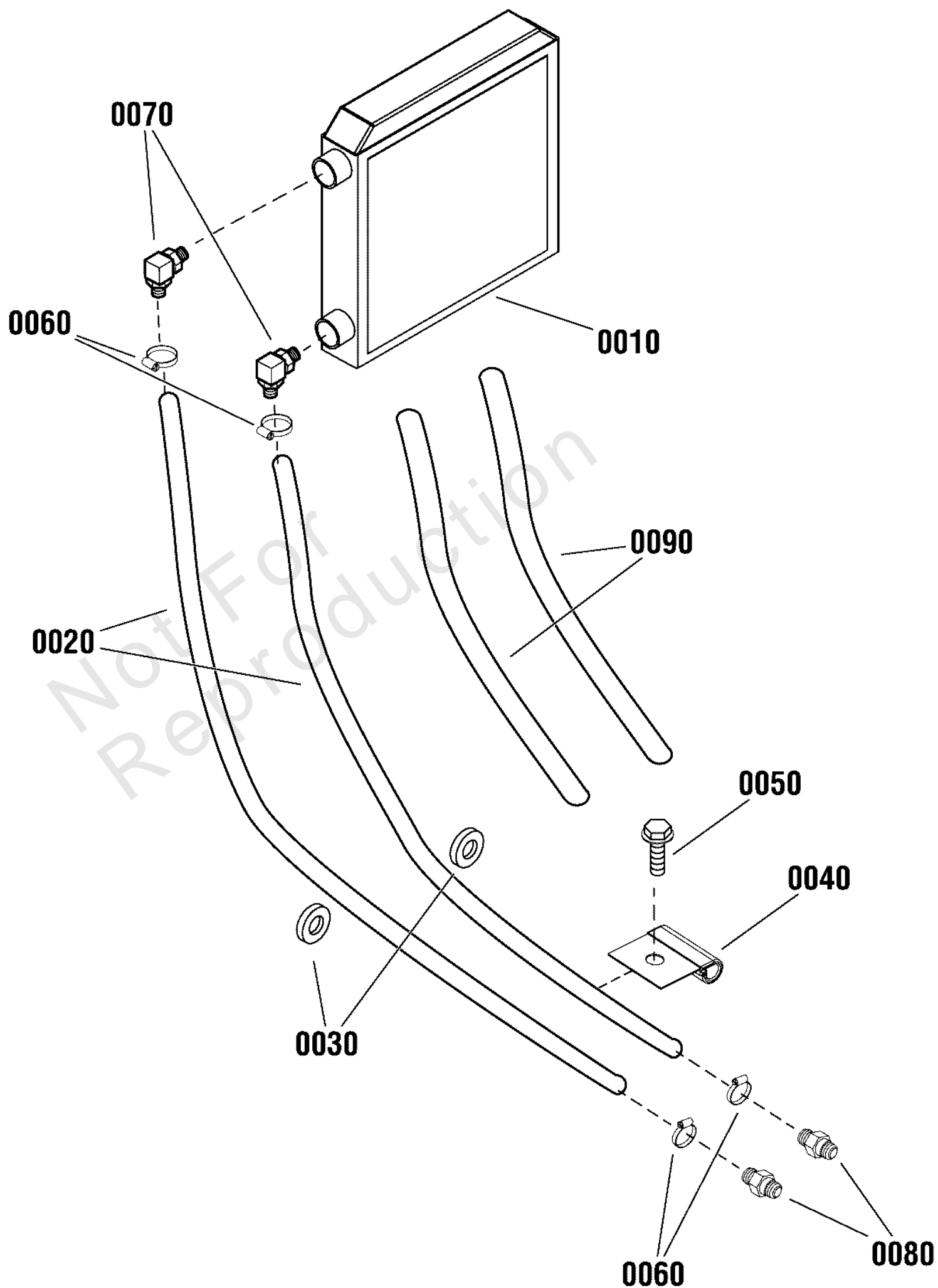
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Oil Cooler

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



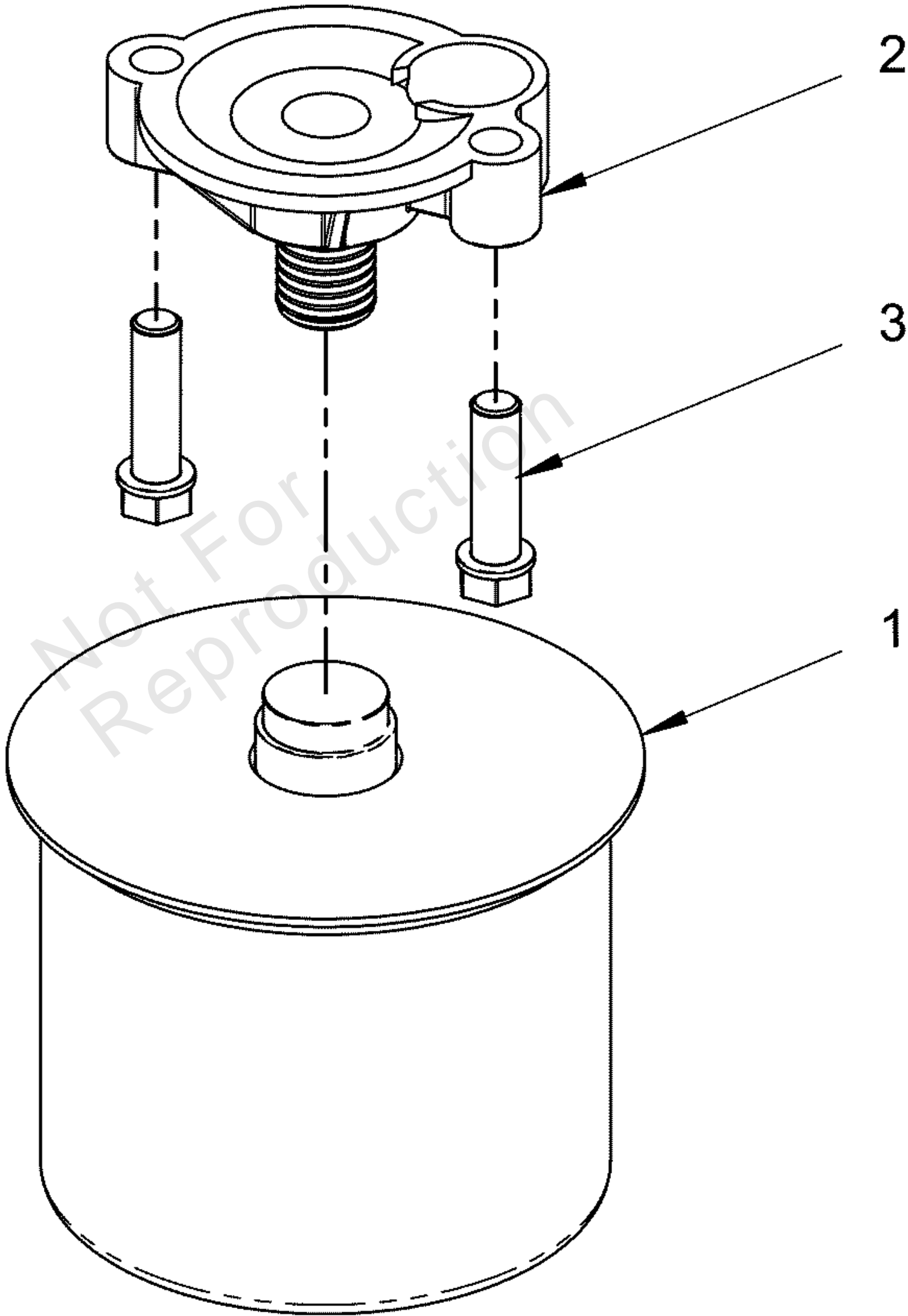
Engine Group - Oil Cooler

REF NO	PART NO	QTY	DESCRIPTION
0010	80024116	1	COOLER, Oil
0020	770718	2	HOSE -(60 inch cut to fit)
0030	80024124	2	BUSHING
0040	80024130	1	CLAMP
0050	-----	1	*BOLT -(*See footnote)
0060	-----	4	*CLAMP -(*See footnote)
0070	-----	2	*FITTING, 90 degree -(*See footnote)
0080	-----	2	*FITTING -(*See footnote)
0090	770714	2	SLEEVE
--	80024146	1	KIT, Oil Cooler -(*See footnote, Not Shown)

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Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.



Engine Group - Oil Filter

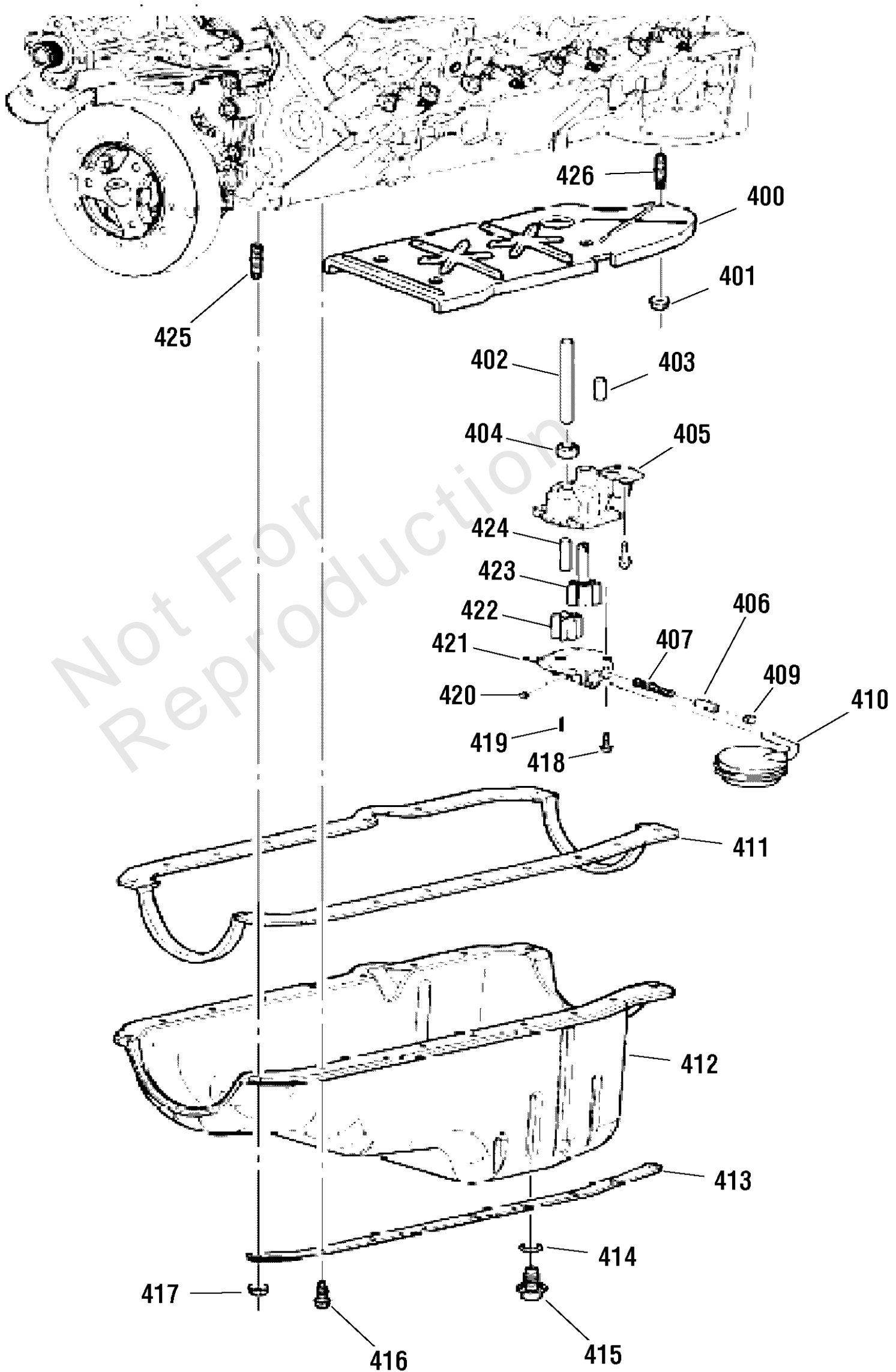
REF NO	PART NO	QTY	DESCRIPTION
1	207577GS		FILTER, Oil
2	80024100		ADAPTER
3	80024101		BOLT

Not For Reproduction

Engine Group - Oil Pan

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Oil Pan

REF NO	PART NO	QTY	DESCRIPTION
400	-----		* DEFLECTOR -(*See footnote)
401	-----		* NUT -(*See footnote)
402	-----		* SHAFT -(*See footnote)
403	-----		* PIN -(*See footnote)
404	-----		* RETAINER -(*See footnote)
405	709459		PUMP
406	-----		* BOLT -(*See footnote)
407	-----		* SPRING -(*See footnote)
409	-----		* PLUG -(*See footnote)
410	708966		SCREEN
411	708965		GASKET
412	-----		* OIL PAN -(*See footnote)
413	-----		* REINFORCEMENT -(*See footnote)
414	770703		SEAL -(*See footnote)
415	770704		PLUG -(*See footnote)
416	-----		* BOLT -(*See footnote)
417	-----		* NUT -(*See footnote)
418	-----		* BOLT -(*See footnote)
419	-----		* PIN -(*See footnote)
420	-----		* PLUG -(*See footnote)
421	-----		* COVER -(*See footnote)
422	-----		* GEAR -(*See footnote)
423	-----		* GEAR -(*See footnote)
424	-----		* SHAFT -(*See footnote)
425	-----		* STUD -(*See footnote)
426	-----		* STUD -(*See footnote)

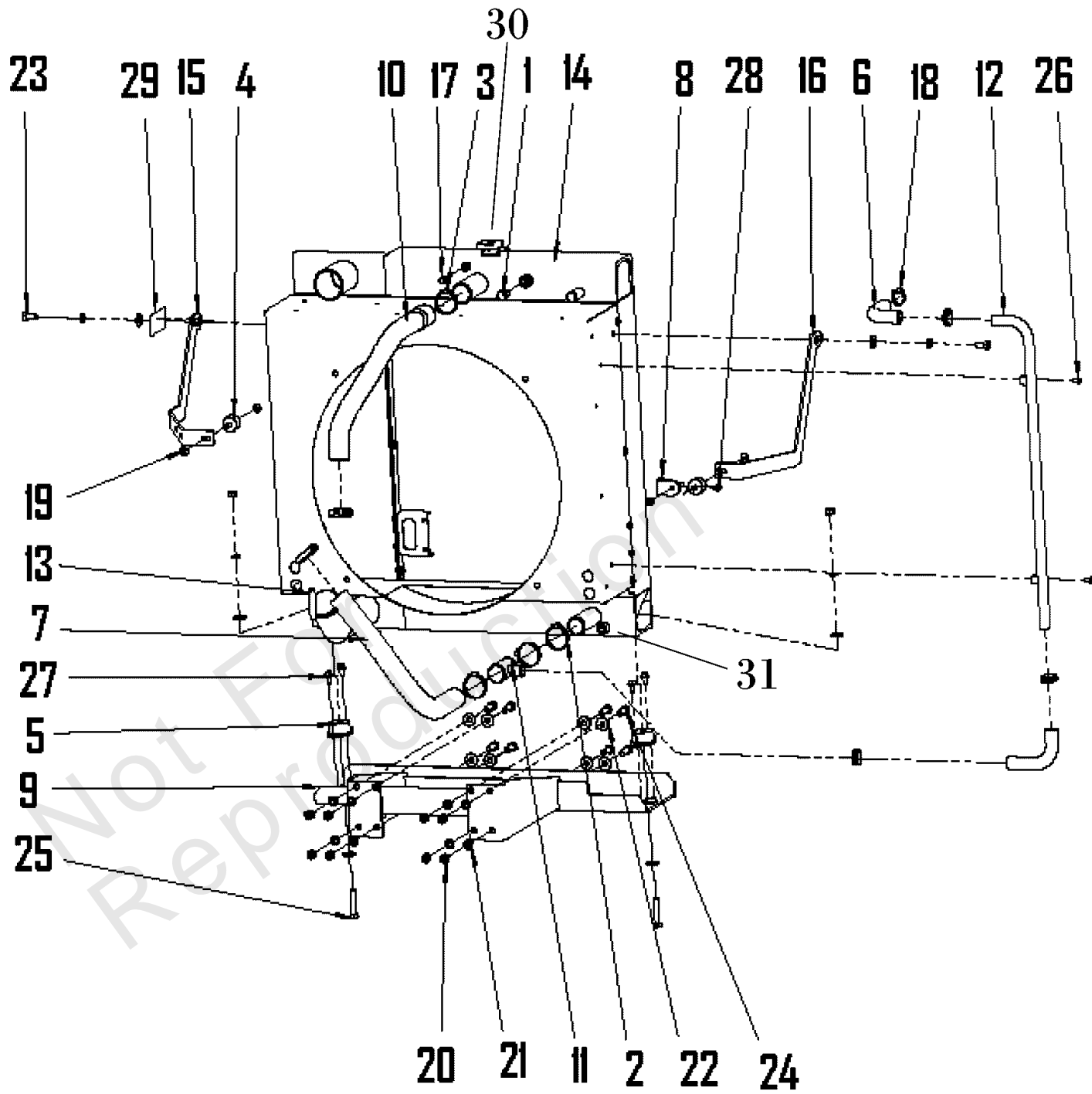
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Radiator

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Radiator

REF NO	PART NO	QTY	DESCRIPTION
1	-----		* PLUG -(*See footnote)
2	80024099		CLAMP
3	-----		* CLAMP -(*See footnote)
4	-----		* ISOLATOR -(*See footnote)
5	-----		* ISOLATOR -(*See footnote)
6	-----		* HOSE -(*See footnote)
7	770708		HOSE, LOWER
8	-----		* BRACKET -(*See footnote)
9	-----		* SUPPORT -(*See footnote)
10	770709		HOSE, UPPER
11	-----		* PIPE -(*See footnote)
12	-----		* PIPE -(*See footnote)
13	-----		* TRIM -(*See footnote)
14	80024117		RADIATOR
15	-----		* BRACKET -(*See footnote)
16	-----		* BRACKET -(*See footnote)
17	-----		* PLUG -(*See footnote)
18	-----		* CLAMP -(*See footnote)
19	-----		* NUT -(*See footnote)
20	-----		* NUT -(*See footnote)
21	-----		* WASHER -(*See footnote)
22	-----		* WASHER -(*See footnote)
23	-----		* BOLT -(*See footnote)
24	-----		* BOLT -(*See footnote)
25	-----		*BOLT -(*See footnote)
26	-----		* BOLT -(*See footnote)
27	-----		* BOLT -(*See footnote)
28	-----		* BOLT -(*See footnote)
29	-----		* STICKER -(*See footnote)
30	80024123		CAP, RADIATOR
31	314551GS		VALVE-DRAIN

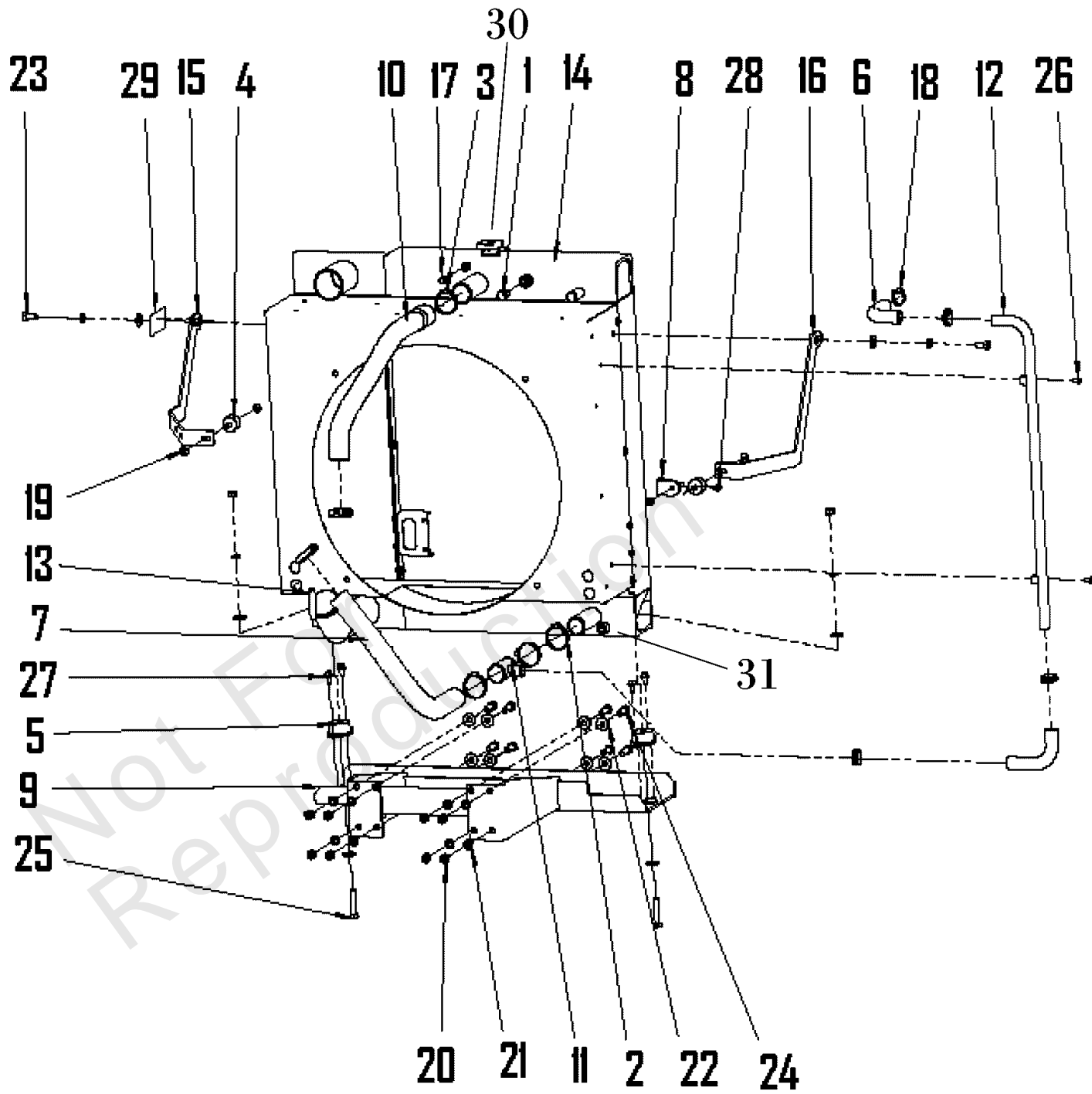
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Radiator

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Radiator

REF NO	PART NO	QTY	DESCRIPTION
0210	-----		SWITCH, Low Coolant -(Not Illustrated) (Part information located in Engine Group - 5.7L.)

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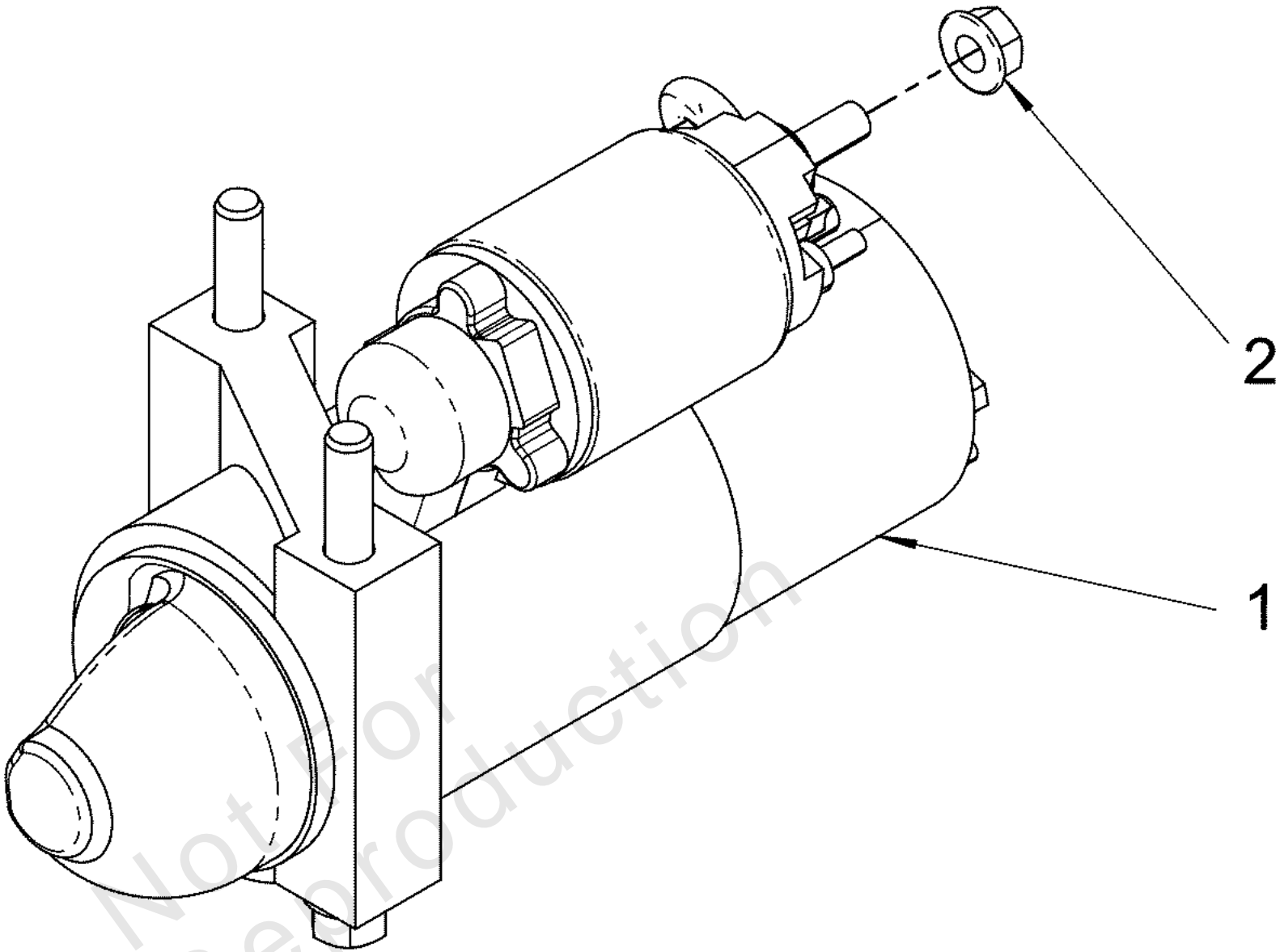
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Starter

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Starter

REF NO	PART NO	QTY	DESCRIPTION
1	708847		STARTER
2	-----		* NUT -(*See footnote)

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Reproduction

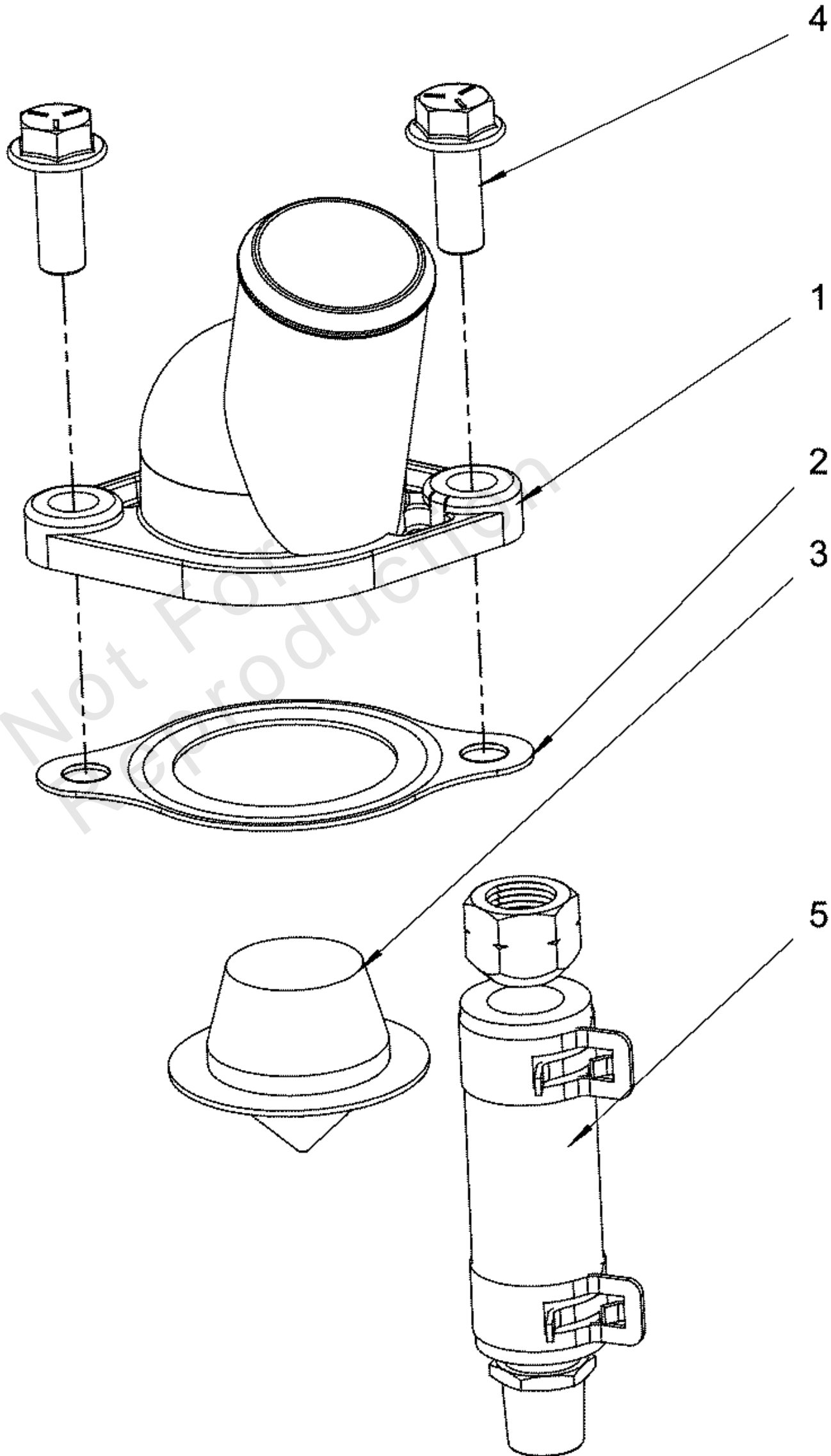
Footnotes:

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

Engine Group - Thermostat

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Thermostat

REF NO	PART NO	QTY	DESCRIPTION
1	708970		COVER, WATER OUTLET
2	708836		GASKET, TSTAT CVR
3	708835		THERMOSTAT
4	-----		* BOLT -(*See footnote)
5	709457		CAP

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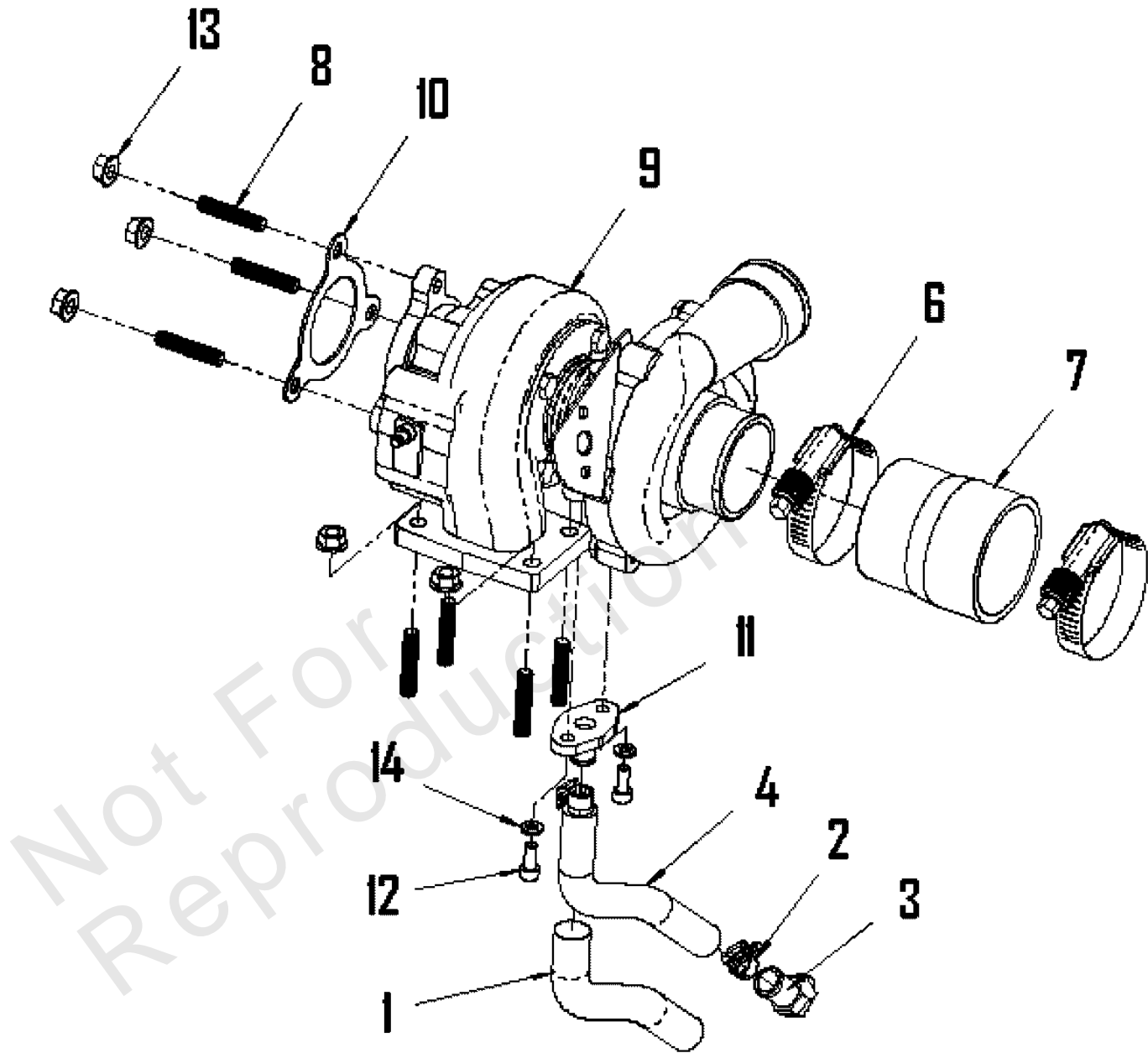
Footnotes:

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

Engine Group - Turbo Charger

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Turbo Charger

REF NO	PART NO	QTY	DESCRIPTION
1	770714	1	SLEEVE -(18 inch cut to fit)
2	770716	2	CLAMP
3	-----	1	*FITTING -(*See footnote)
4	770718	1	HOSE
--	-----	1	*HOSE -(*See footnote)
6	770724	2	CLAMP
7	770730	1	HOSE
8	-----	7	MUFFLER -(*See footnote)
9	770731	1	TURBOCHARGER
10	770732	1	GASKET
11	-----	1	*FITTING -(*See footnote)
12	-----	2	*BOLT -(*See footnote)
13	-----	7	*NUT -(*See footnote)
14	-----	2	*WASHER -(*See footnote)

Not For
Reproduction

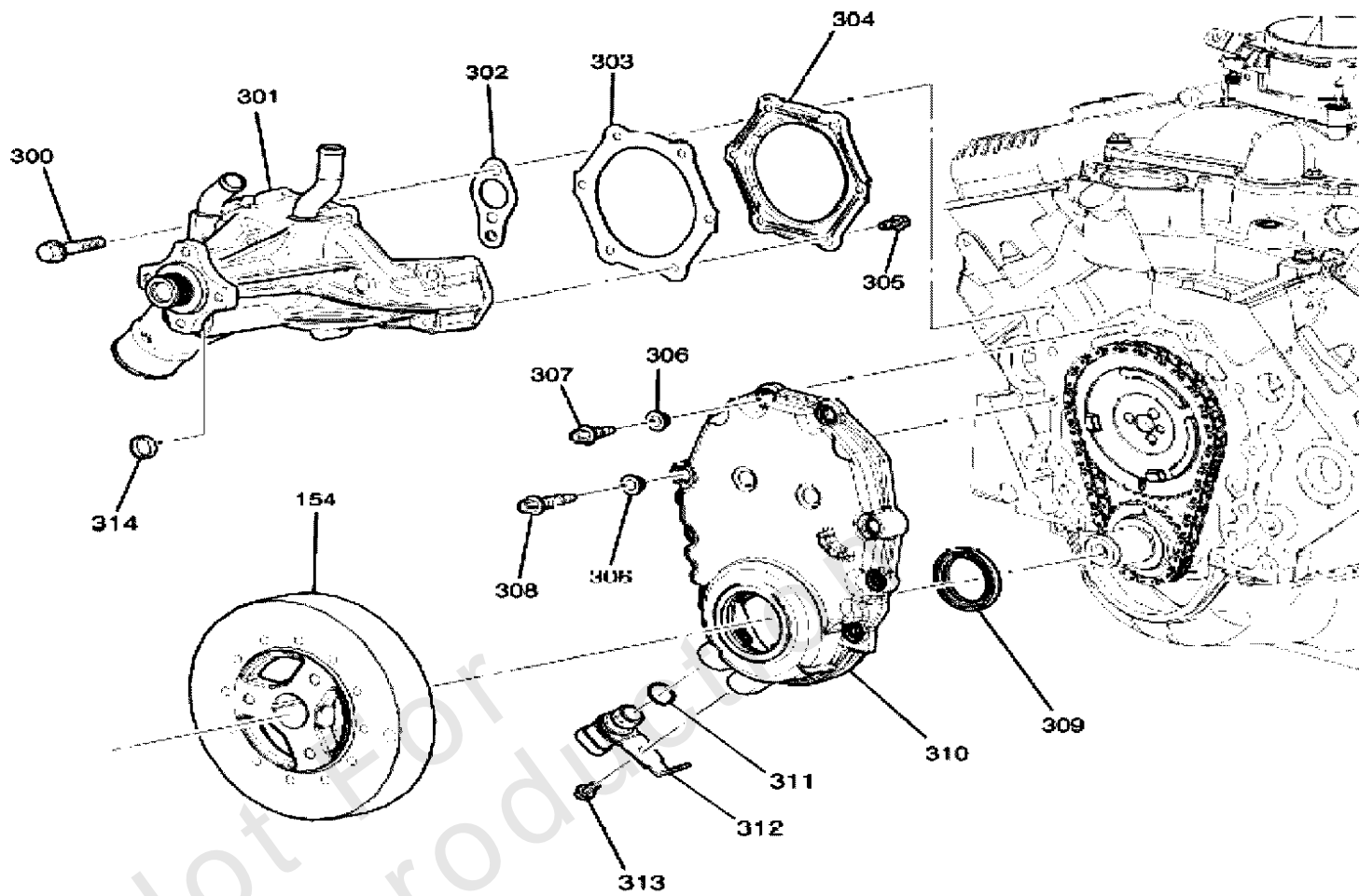
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Engine Group - Water Pump

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Engine Group - Water Pump

REF NO	PART NO	QTY	DESCRIPTION
154	770700		BALANCER
300	-----		* BOLT -(*See footnote)
301	709680		PUMP-WATER
302	709681		WATER PUMP GASKET
303	-----		* GASKET -(*See footnote)
304	-----		* COVER -(*See footnote)
305	-----		* BOLT -(*See footnote)
306	-----		* GROMMET -(*See footnote)
307	-----		* BOLT -(*See footnote)
308	-----		* BOLT -(*See footnote)
309	770701		SEAL
310	-----		* COVER -(*See footnote)
311	-----		* SEAL -(*See footnote)
312	80024131		SENSOR
313	-----		* BOLT -(*See footnote)
314	-----		* PLUG -(*See footnote)

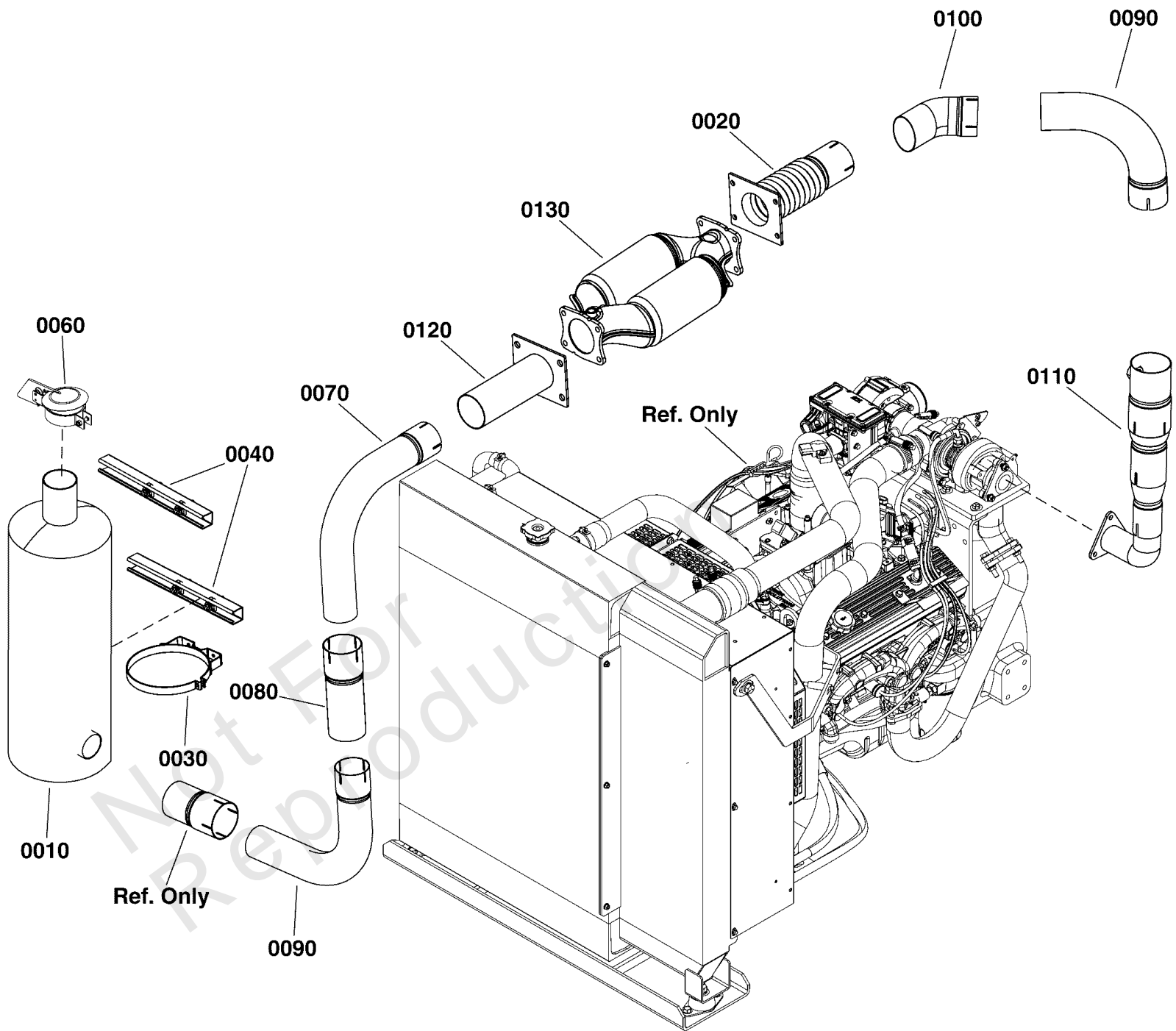
Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

Exhaust Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



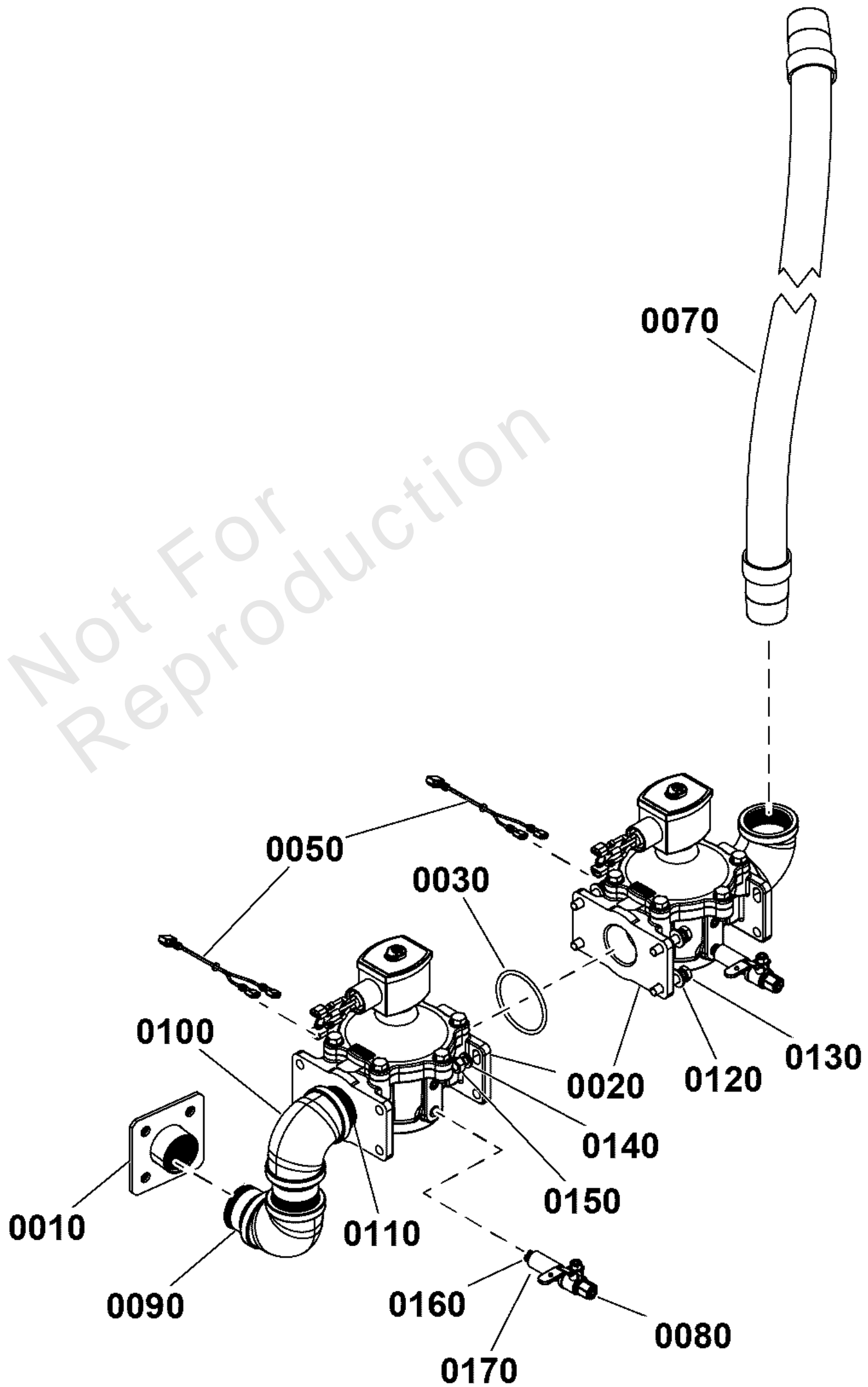
Exhaust Group

REF NO	PART NO	QTY	DESCRIPTION
0010	80021495		SILENCER, Muffler
0020	80022752		FLANGE, Exhaust -(Use on models 080000-00, 080001-00, 080002-00, 080003-00, 080004-00)
0020	80022972		FLANGE, Exhaust -(Use on models 080005-00, 080006-00, 080007-00, 080008-00, 080009-00, 080010-00, 080011-00, 080012-00, 080013-00, 080014-00, 080030-00, 080031-00, 080032-00, 080033-00, 080034-00)
0030	80022751		BAND
0040	80022754		STRUT ASSEMBLY
0060	80022749		CAP, Rain
0070	80022732		PIPE, Exhaust
0080	80022739		PIPE, Exhaust
0090	80022730	2	PIPE, Exhaust Elbow
0100	80022729		ENGINE, Exhaust
0110	80022974		EXHAUST, Engine
0120	80022949		FLANGE, Exhaust
0130	80022980		CATALYTIC -(Use on models 080005-00, 080006-00, 080007-00, 080008-00, 080009-00, 080010-00, 080011-00, 080012-00, 080013-00, 080014-00, 080030-00, 080031-00, 080032-00, 080033-00, 080034-00)

Fuel Solenoid Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 080005-01



Fuel Solenoid Group

REF NO	PART NO	QTY	DESCRIPTION
0010	80021461	1	COUPLING, Fuel, 1 1/4
0020	770640	2	VALVE , Fuel, 1 1/4, 12V
0030	316259GS	1	O-RING
0050	706898	2	WIRE HARNESS, Solenoid
0070	770844	1	HOSE, FLEX, 1-1/4 NPT X 36"
0080	312788GS	2	BALL, Valve, 1/8 -(Includes items 0160, 0170)
0090	-----	2	*FITTING, Nipple, 1 1/4 x 2 1/2 -(*See footnote)
0100	-----	3	*FITTING, Elbow, 1 1/4 x 90 degree -(*See footnote)
0110	-----	2	*FITTING, Nipple, 1 1/4 Close -(*See footnote)
0120	-----	4	*WASHER, Flat, 5/16 -(*See footnote)
0130	-----	4	*CAPSCREW, Hex Head, 5/16-18 x 1 1/2 -(*See footnote)
0140	-----	4	*WASHER, Lock, 5/16 -(*See footnote)
0150	-----	4	*NUT, Hex, 5/16-18 -(*See footnote)
0160	-----	2	*FITTING, Nipple, 1 1/8 Close -(*See footnote)
0170	-----	2	*FITTING, Coupling, 1 1/8 -(*See footnote)

Footnotes:

Note:* Speak to your authorized Briggs & Stratton dealer. For dealers, speak to Briggs & Stratton Technical Support.

0010



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Transformer Group

REF NO	PART NO	QTY	DESCRIPTION
0010	80023997	3	TRANSFORMER 400:5

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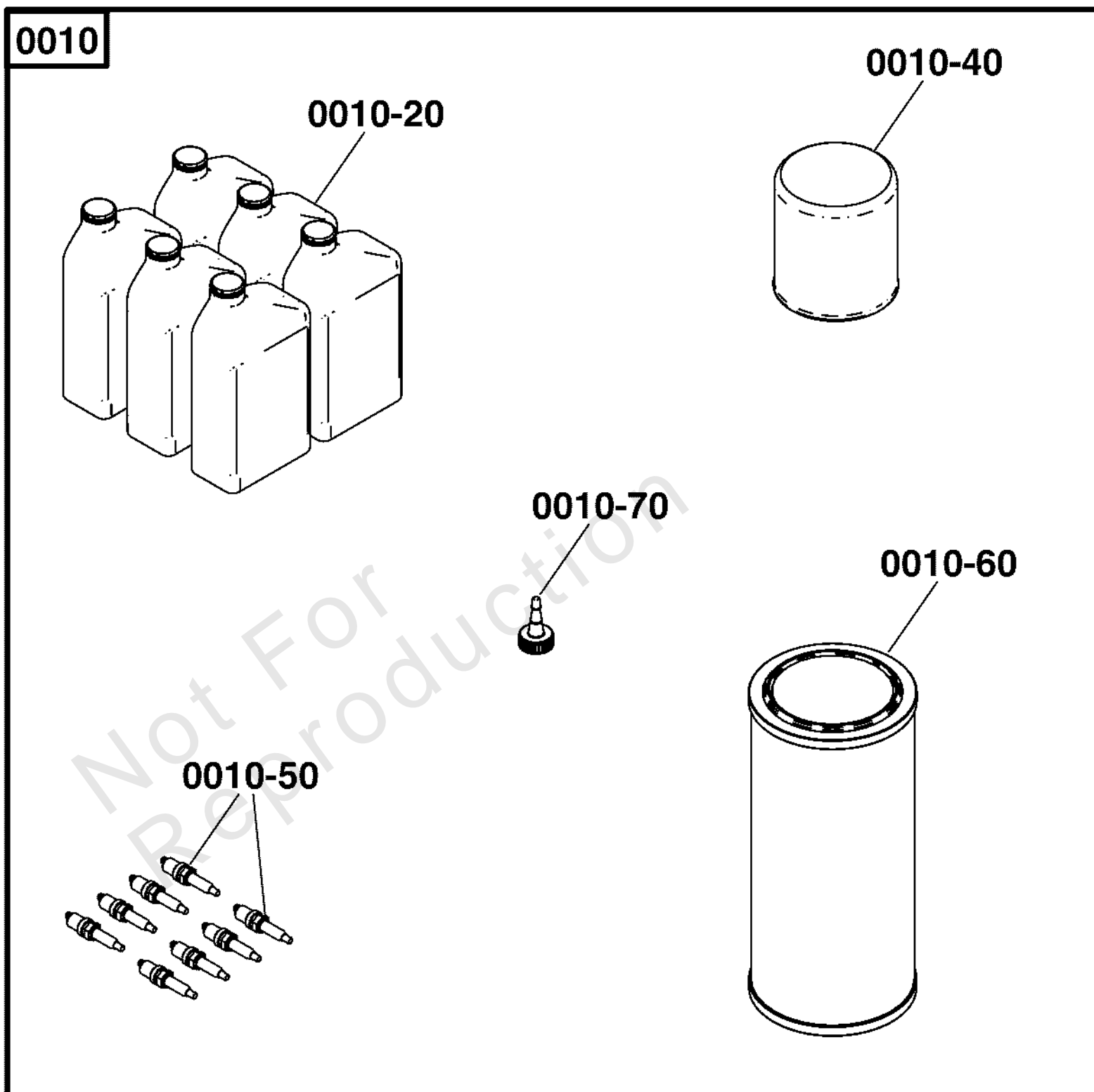


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Reproduction

Maintenance

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6527-00



Maintenance

REF NO	PART NO	QTY	DESCRIPTION
0010	6527	1	KIT, Maintenance -(Incl. Ref. Nos. 0010-20, 0010-40, 0010-50, 0010-60, 0010-70)
0010-20	-----	6	OIL, 32 OZ, 10W-30
0010-40	207577GS	1	FILTER, Oil
0010-50	-----	8	PLUG, Spark
0010-60	-----	1	FILTER, Air
0010-70	B3518	1	OIL BOTTLE FUNNEL

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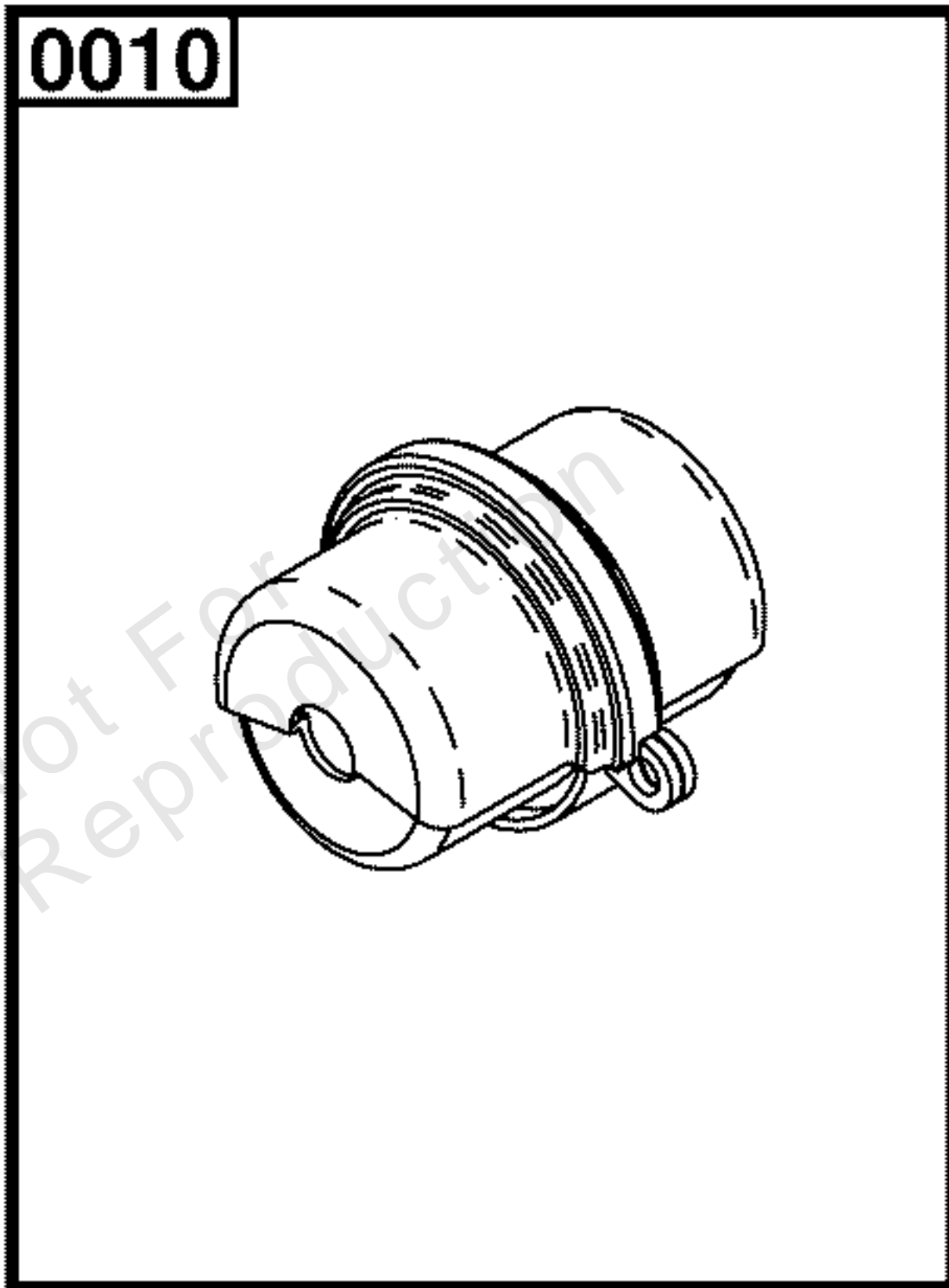
6335-00 - Battery Cable Lockout

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Battery Cable Lockout

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6335-00



Battery Cable Lockout

REF NO	PART NO	QTY	DESCRIPTION
0010	6335	1	LOCKOUT, Battery Cable

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6360-00 - Estop Switch

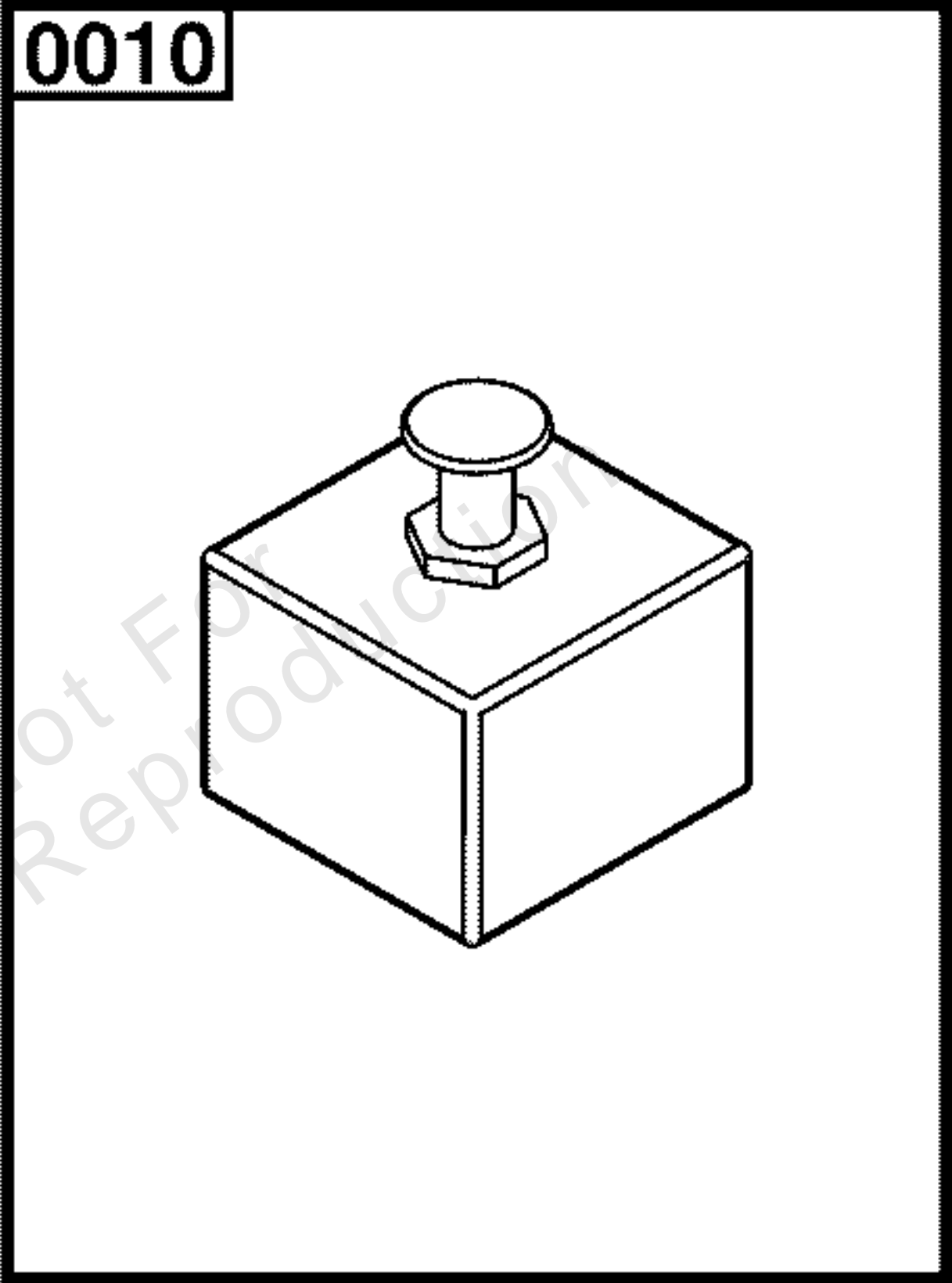


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Estop Switch

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6360-00



Estop Switch

REF NO	PART NO	QTY	DESCRIPTION
0010	6360	1	SWITCH, Estop

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6361-00 - Estop Switch

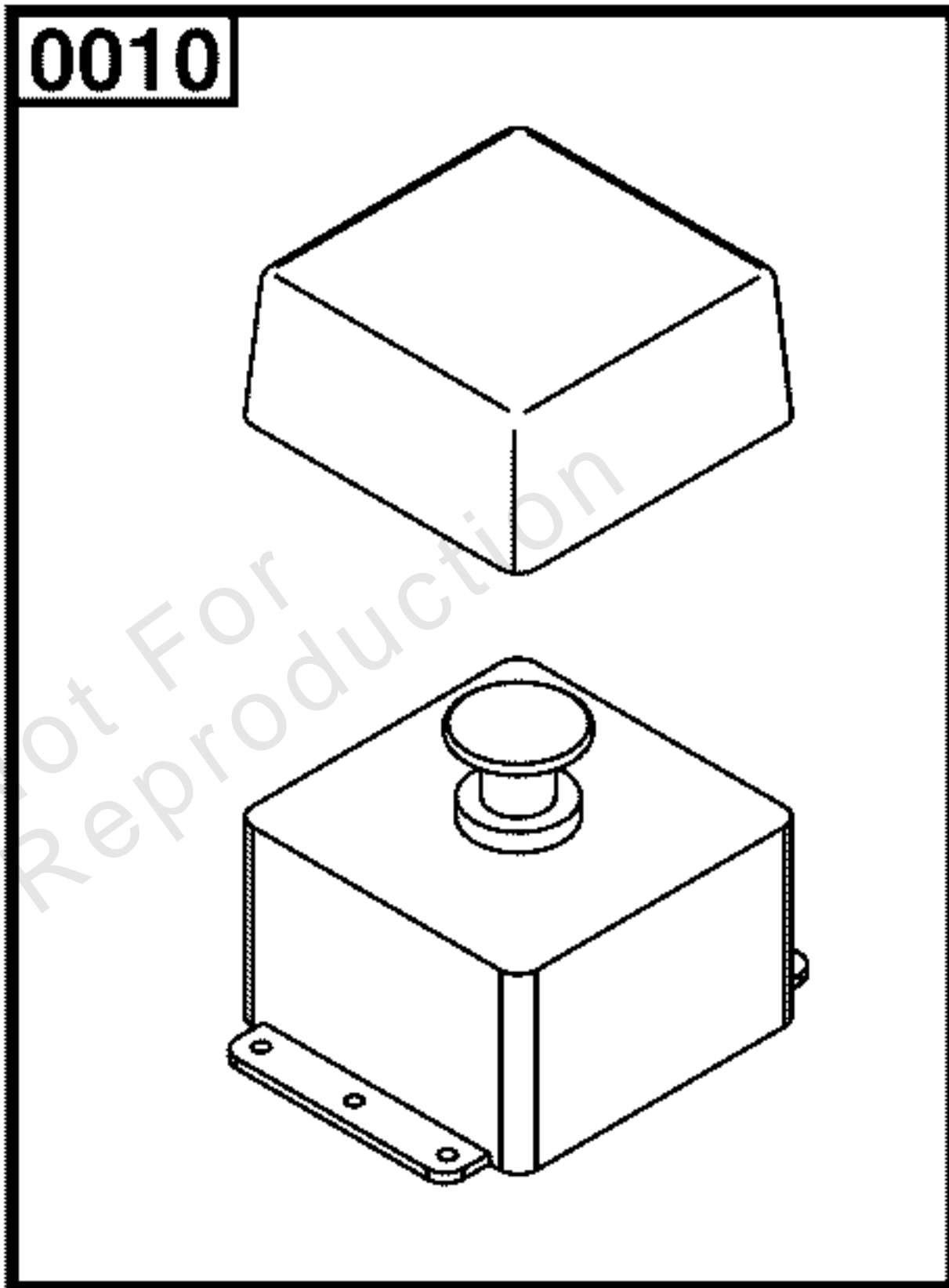


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Reproduction

Estop Switch

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 6361-00



Estop Switch

REF NO	PART NO	QTY	DESCRIPTION
0010	6361	1	SWITCH, Estop

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Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	5.6		8.8		10.9		12.9	
	Class 5.6		Class 8.8		Class 10.9		Class 12.9	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs		ft/lbs	
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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs	
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

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

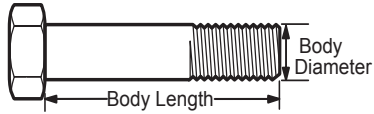


Nut, M8

Thread Diameter (mm)

Inside Diameter (in) Threads per inch

Nut, 1/2-16

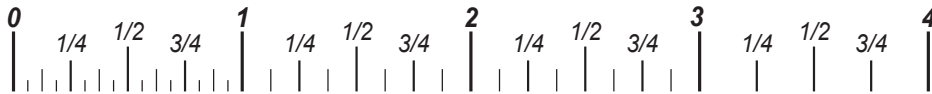


Screw, M8- 1.25 x 25

Thread Diameter (mm) Distance between threads (mm) Body Length (mm)

Body Diameter Threads per inch Body Length (in)

Screw, 1/2- 16 x 2



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).

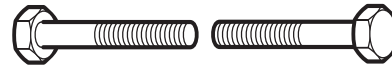
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

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

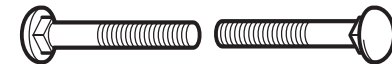
Hex Head Capscrew



Washer



Carriage Bolt



Hex Nut

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

