



# Parts Manual

Mfg. No: 2691691-00  
SZT105, 7200 SER B&S Rider w/91cm  
Mower Deck, EU



|                                                      |  |
|------------------------------------------------------|--|
| 1687855YP - Rhino Grip. ....                         |  |
| 1687856YP - Rhino Grip, Ratcheting. ....             |  |
| 1697103-00 - Cargo Bed Kit. ....                     |  |
| 1697100-00 - Twin Grass Catcher & Front Weight. .... |  |
| 1697101-00 - Bagging Boot & Baffle, 36". ....        |  |
| 1697102-00 - Grass Mulcher Kit, 36". ....            |  |

Not For  
Reproduction

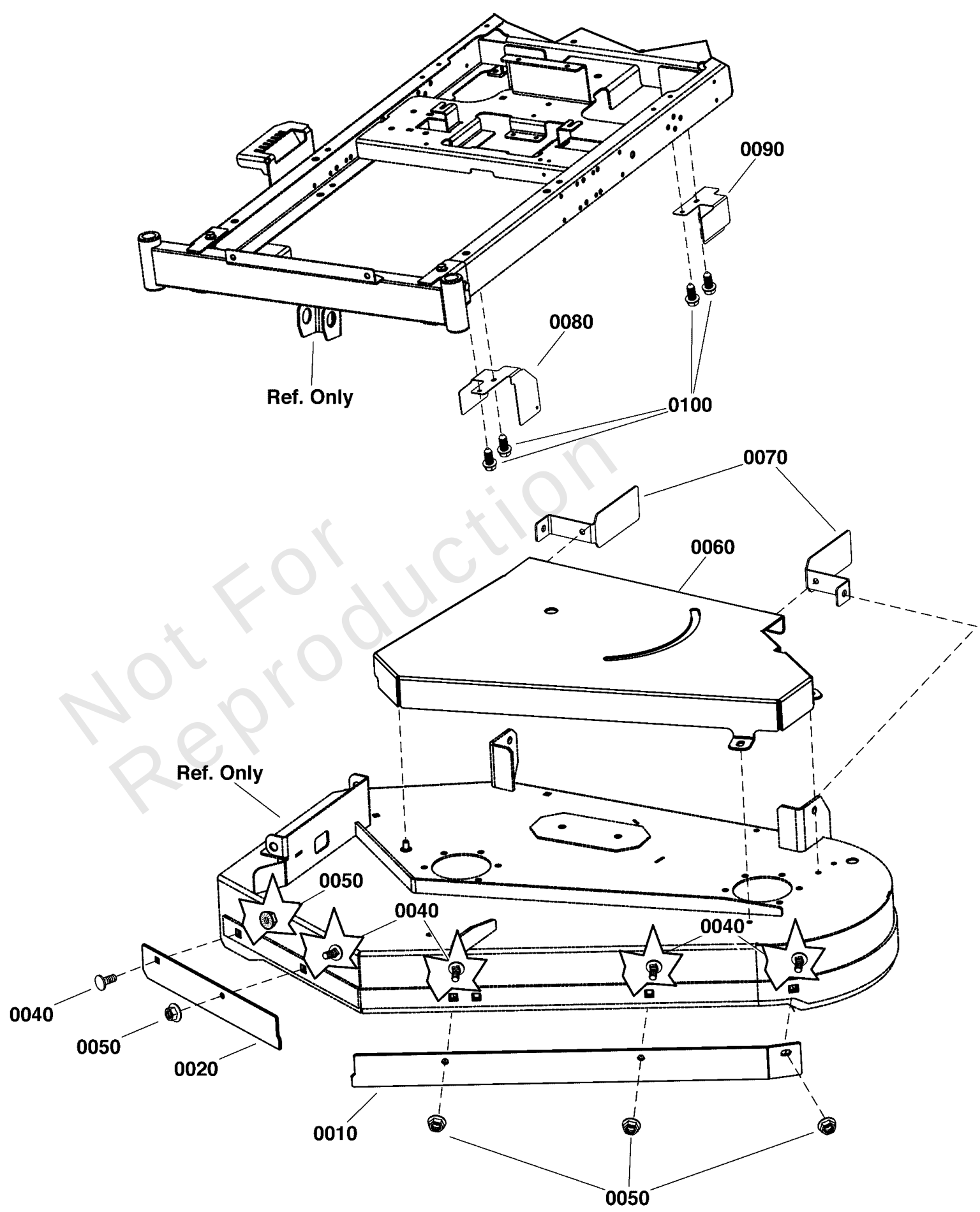
| <b>Model Components</b>                               | <b>Page</b> |
|-------------------------------------------------------|-------------|
| 36" Mower Deck - Guarding Group. ....                 | 4           |
| 36" Mower Deck - Clutch & Support Group. ....         | 6           |
| 36" Mower Deck - Housing, Arbors & Blades Group. .... | 8           |
| 36" Mower Deck - Roller Group. ....                   | 10          |
| Body & Fuel Tank Group. ....                          | 12          |
| Controls Group. ....                                  | 14          |
| Decals Group. ....                                    | 16          |
| Electrical Group w/Hourmeter. ....                    | 18          |
| Engine Group. ....                                    | 20          |
| Evap Group. ....                                      | 22          |
| Frame Group. ....                                     | 24          |
| Lift Group. ....                                      | 26          |
| Parking Brake Group. ....                             | 28          |
| Seat Group. ....                                      | 30          |
| Transmission Group. ....                              | 32          |
| Wheel & Tire Group. ....                              | 34          |
| Torque Specification Chart. ....                      | 36          |

Not For  
Reproduction

36" Mower Deck - Guarding Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



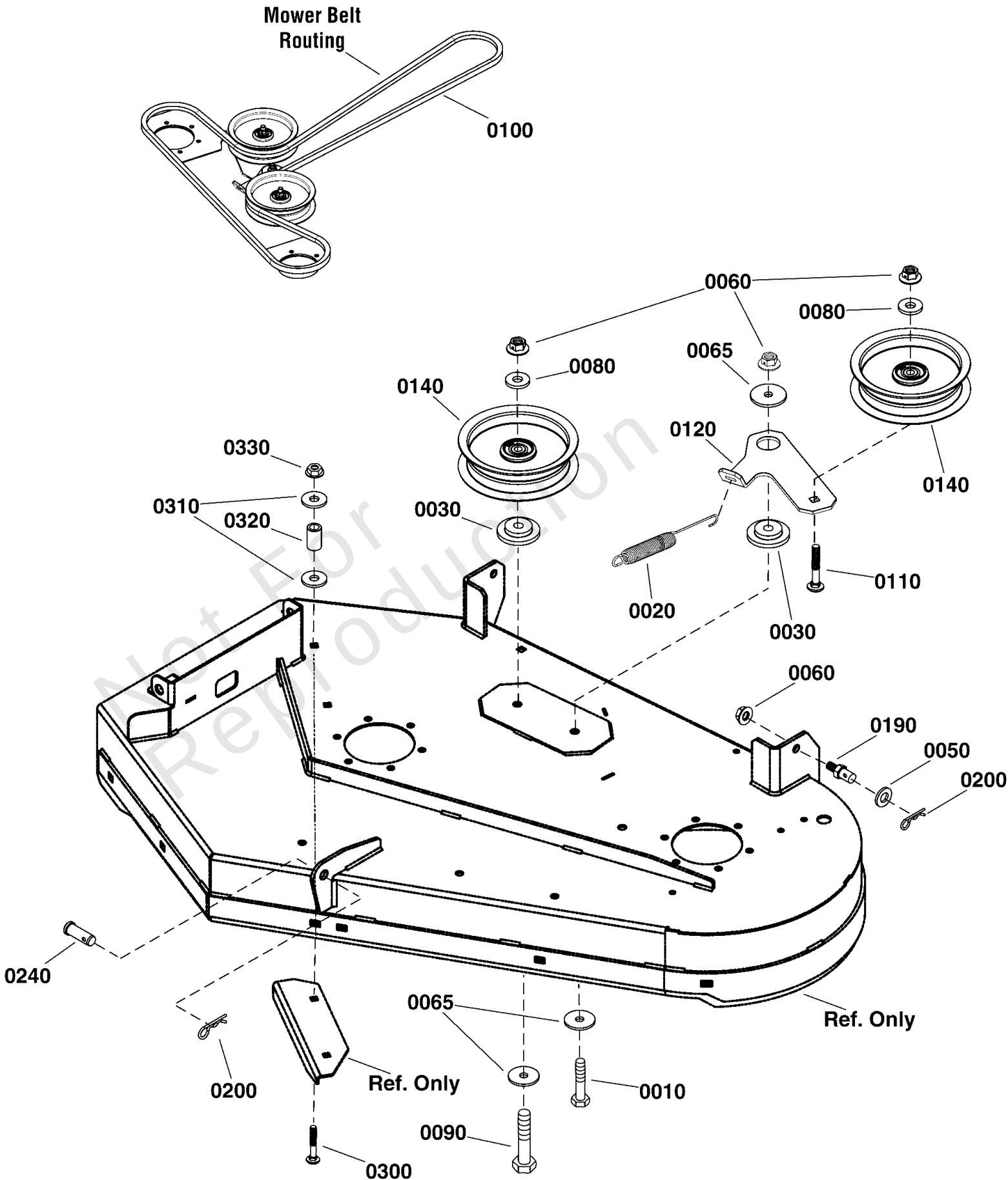
### 36" Mower Deck - Guarding Group

| REF NO | PART NO  | QTY | DESCRIPTION                               |
|--------|----------|-----|-------------------------------------------|
| 0010   | 84004573 | 1   | BAFFLE, Trim Side                         |
| 0020   | 84004571 | 1   | BAFFLE, Discharge                         |
| 0040   | 703185   | 5   | BOLT, Carriage, 5/16-18 X 3/4             |
| 0050   | 703115   | 5   | NUT, Flange Nylock, 5/16-18               |
| 0060   | 84004569 | 1   | COVER, Belt, RH                           |
| 0070   | 84004651 | 2   | SUPPORT, Cover                            |
| 0080   | 84004568 | 1   | COVER, Pulley                             |
| 0090   | 84004570 | 1   | COVER, Belt, LH                           |
| 0100   | 703228   | 6   | SCREW, Washer Head Taptite, 5/16-18 X 3/4 |

### ***36" Mower Deck - Clutch & Support Group***

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



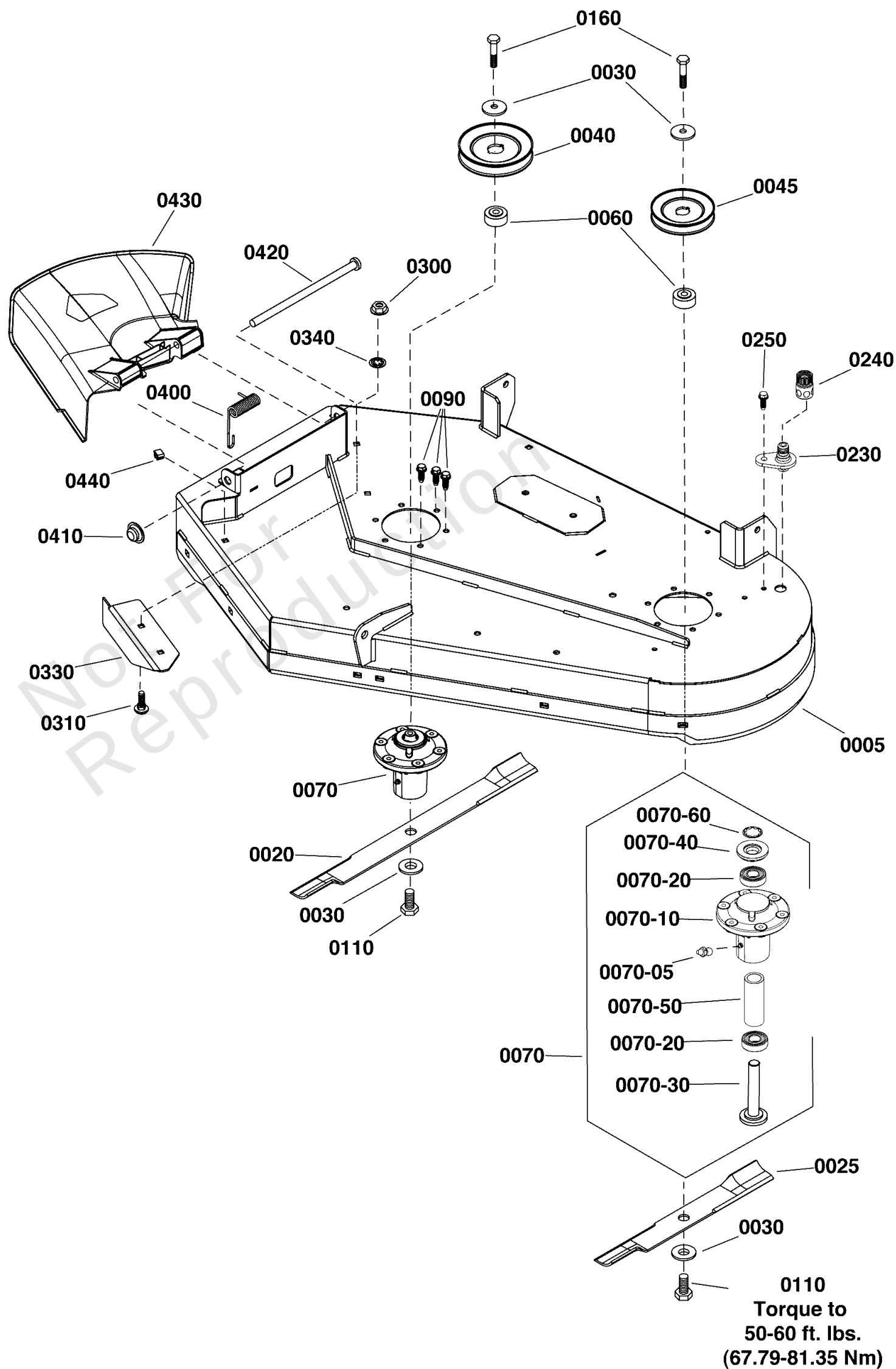
### 36" Mower Deck - Clutch & Support Group

| REF NO | PART NO   | QTY | DESCRIPTION                             |
|--------|-----------|-----|-----------------------------------------|
| 0010   | 703406    | 1   | CAPSCREW, 3/8-16 X 1 1/2                |
| 0020   | 1737415YP | 1   | SPRING, Extension                       |
| 0030   | 706128    | 2   | SPACER, Idler                           |
| 0050   | 703853    | 2   | WASHER, 1/2                             |
| 0060   | 703158    | 5   | NUT, Hex Flange, 3/8-16                 |
| 0065   | 5025305SM | 3   | WASHER, .41 X 1.75 X .14                |
| 0080   | 703878    | 2   | WASHER, Flat, 13/32 x 7/8 x .083        |
| 0090   | 703133    | 1   | CAPSCREW, Hex Head, 3/8-16 X 2 3/4, GR5 |
| 0100   | 84001701  | 1   | BELT, Arbor                             |
| 0110   | 7900009SM | 1   | BOLT, Carriage, 3/8-16 X 2 1/4          |
| 0120   | 84002223  | 1   | ARM, Idler                              |
| 0140   | 1757894YP | 2   | PULLEY, Flat Idler, 4.5"                |
| 0190   | 704054    | 2   | PIN, Threaded Shoulder, 3/8-16 X 11/16  |
| 0200   | 703300    | 3   | PIN, Hair, 3/32 x 1 5/8                 |
| 0240   | 5025479YP | 1   | PIN, Clevis, 1/2 X 1 23/64              |
| 0300   | 703175    | 1   | BOLT, Carriage, 5/16-18 x 1 3/4         |
| 0310   | 703118    | 2   | WASHER, Flat, 7/8, GR5                  |
| 0320   | 5103660YP | 1   | SPACER, .32 x 1/2 x .83                 |
| 0330   | 703115    | 1   | NUT, Flange Nylock, 5/16-18             |

# 36" Mower Deck - Housing, Arbors & Blades Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



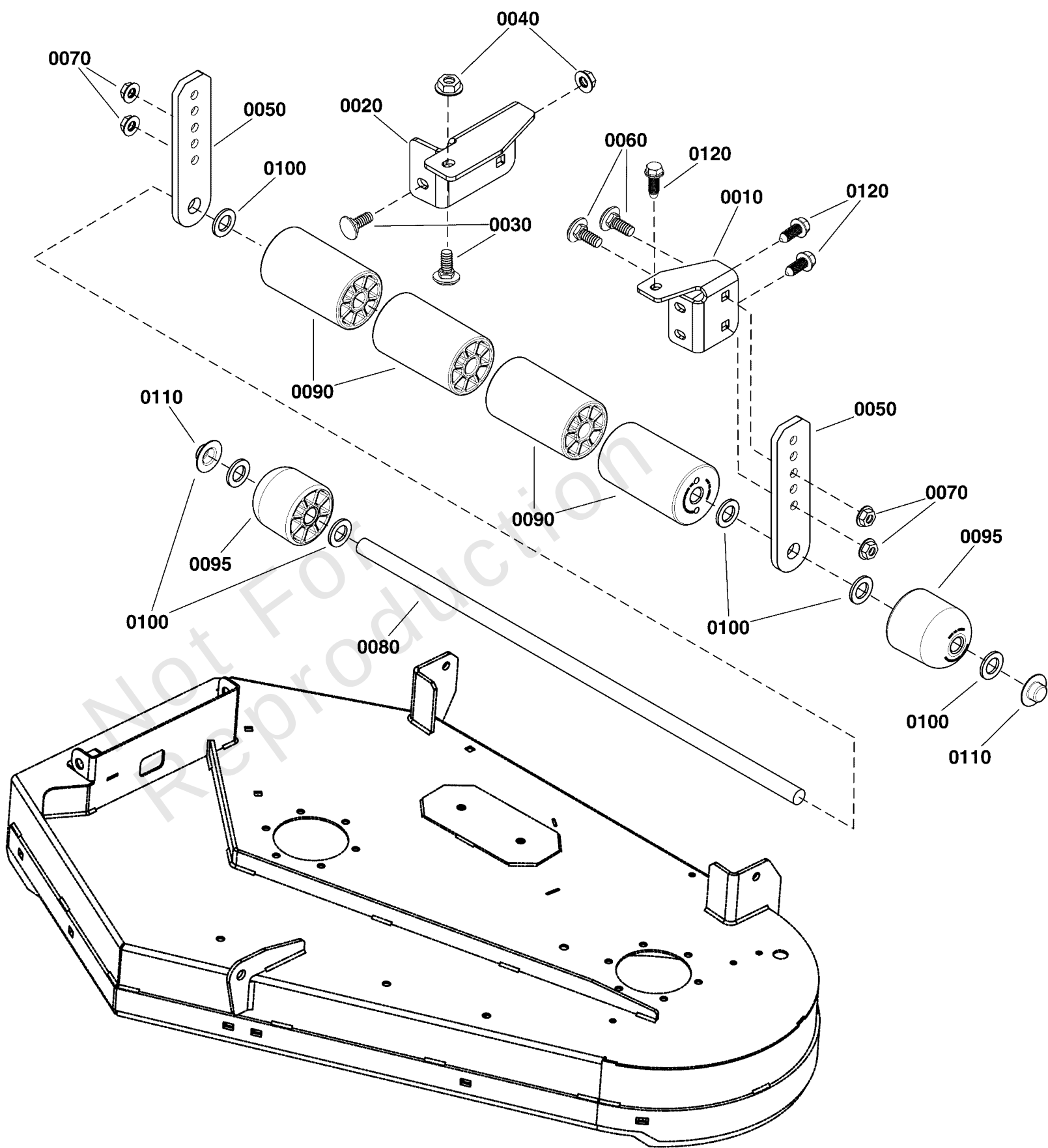
### 36" Mower Deck - Housing, Arbors & Blades Group

| REF NO  | PART NO   | QTY | DESCRIPTION                                                      |
|---------|-----------|-----|------------------------------------------------------------------|
| 0005    | 84001709  | 1   | KIT, Mower Deck w/Decals, Orange                                 |
| 0005    | 84001710  | 1   | KIT, Mower Deck w/Decals, Red                                    |
| 0020    | 84001711  | 1   | BLADE, Mower, 22.24                                              |
| 0025    | 84001712  | 1   | BLADE, Mower, 14.42                                              |
| 0030    | 1656916SM | 4   | WASHER, Spring                                                   |
| 0040    | 1732953SM | 1   | PULLEY                                                           |
| 0045    | 84002209  | 1   | PULLEY, Spindle                                                  |
| 0060    | 706362    | 2   | SPACER, Pulley                                                   |
| 0070    | 84003172  | 2   | ARBOR ASSEMBLY<br>-(Includes Ref Nos. (0070-05 through 0070-60)) |
| 0070-05 | 1704314SM | 1   | FITTING, Lube, 1/4                                               |
| 0070-10 | 84003653  | 1   | HOUSING, w/Lube Fitting                                          |
| 0070-20 | 84003165  | 1   | SHAFT, Spindle                                                   |
| 0070-30 | 1735399YP | 2   | BEARING, Ball, 20mm                                              |
| 0070-40 | 84003166  | 1   | SHIELD, Arbor                                                    |
| 0070-50 | 84003167  | 1   | SPACER, Bearing                                                  |
| 0070-60 | 1960766SM | 1   | RING, Self Locking                                               |
| 0090    | 704146    | 12  | SCREW, Hex Washer Head, Taptite, 5/16-18 x 1                     |
| 0110    | 1920676SM | 2   | CAPSCREW, Hex Head, 7/16-14 X 1                                  |
| 0160    | 1921212SM | 2   | CAPSCREW, Hex Head, 7/16-14 X 1 1/2                              |
| 0230    | 1756247YP | 1   | ADAPTER, Washout Port                                            |
| 0240    | 1756246YP | 1   | CONNECTOR, Washout Port                                          |
| 0250    | 703228    | 3   | SCREW, Washer Head Taptite, 5/16-18 X 3/4                        |
| 0300    | 703115    | 1   | NUT, Flange Nylock, 5/16-18                                      |
| 0310    | 703185    | 1   | BOLT, Carriage, 5/16-18 X 3/4                                    |
| 0330    | 84002212  | 1   | BAFFLE, Front, Discharge                                         |
| 0340    | 703297    | 1   | RETAINER, 5/16 X 5/8                                             |
| 0400    | 7035813SM | 1   | SPRING, Torsion                                                  |
| 0410    | 703179    | 1   | PUSHNUT, 1/2                                                     |
| 0420    | 7104640YP | 1   | ROD, Deflector                                                   |
| 0430    | 7104733YP | 1   | DEFLECTOR                                                        |
| 0440    | 1705115SM | 1   | PLUG, Button                                                     |

36" Mower Deck - Roller Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



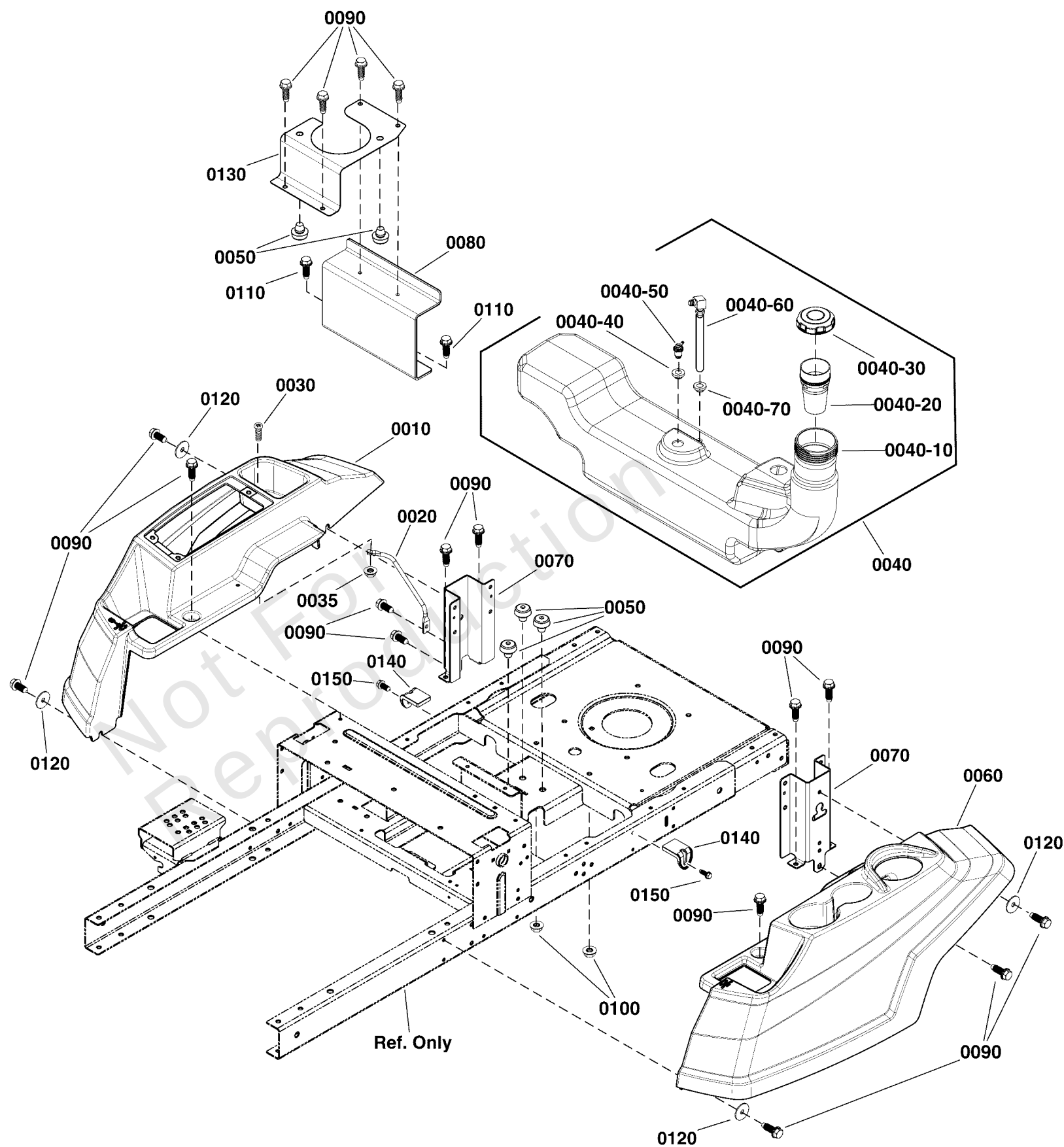
### 36" Mower Deck - Roller Group

| REF NO | PART NO    | QTY | DESCRIPTION                                       |
|--------|------------|-----|---------------------------------------------------|
| 0010   | 84001713   | 1   | BRACKET, Roller, LH                               |
| 0020   | 84001714   | 1   | BRACKET, Roller, RH                               |
| 0030   | 703185     | 2   | BOLT, Carriage, 5/16-18 X 3/4                     |
| 0040   | 703115     | 2   | NUT, Flange Nylock, 5/16-18                       |
| 0050   | 1758461AYP | 2   | BAR, Roller                                       |
| 0060   | 703815     | 4   | BOLT, Carriage, 3/8-16 X 1                        |
| 0070   | 703158     | 4   | NUT, Hex Flange, 3/8-16                           |
| 0080   | 1759677YP  | 1   | SHAFT, Roller                                     |
| 0090   | 1668513SM  | 4   | ROLLER, .652 ID, 2.50 OD, 4.10 LG                 |
| 0095   | 1717675SM  | 2   | ROLLER, .650 ID, 2.5" OD, 2.05" Long, Rounded End |
| 0100   | 703580     | 6   | WASHER, 5/8                                       |
| 0110   | 771009     | 2   | PUSHNUT, 5/8                                      |
| 0120   | 703228     | 3   | SCREW, Washer Head Taptite, 5/16-18 X 3/4         |

Body & Fuel Tank Group

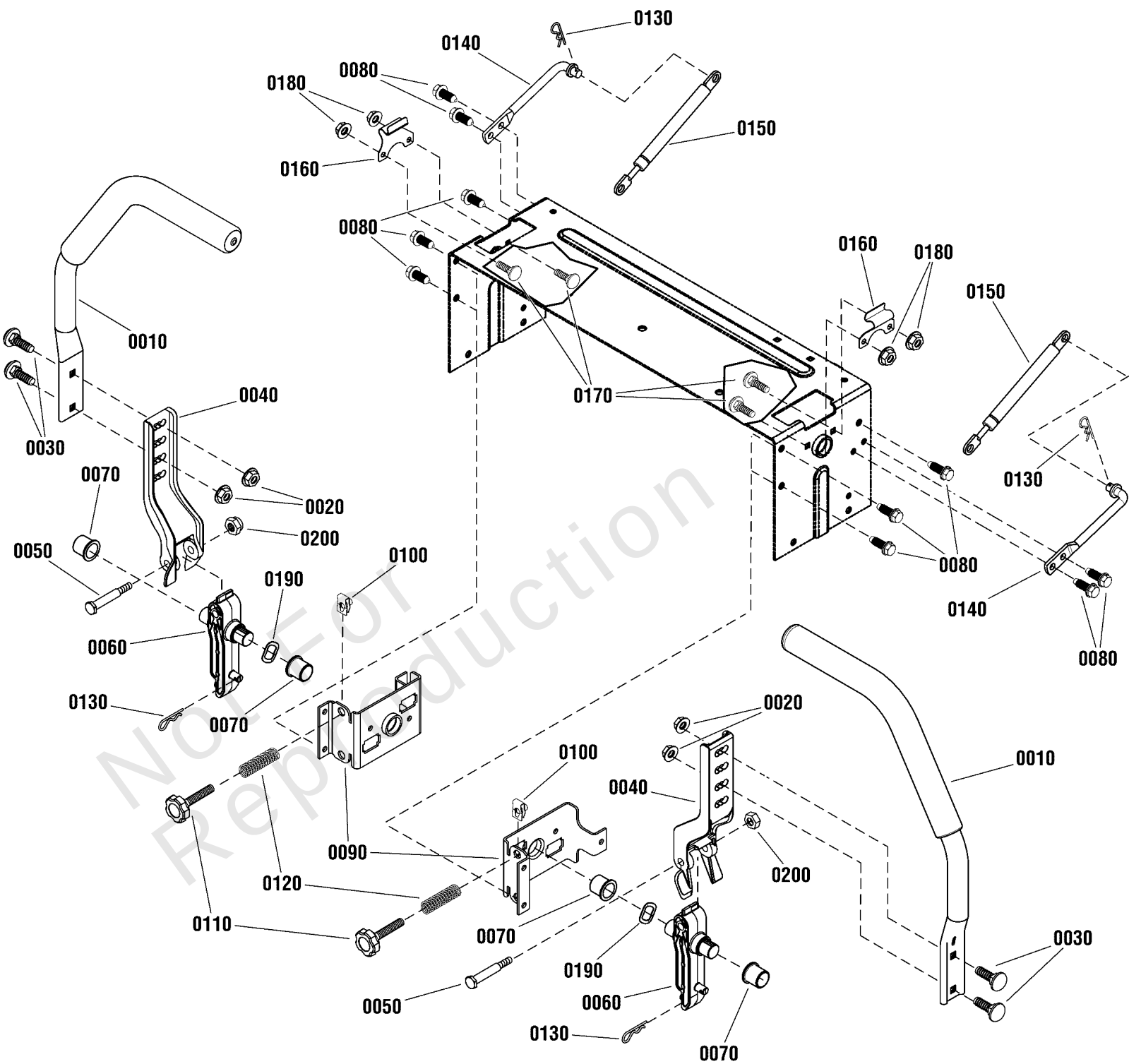
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



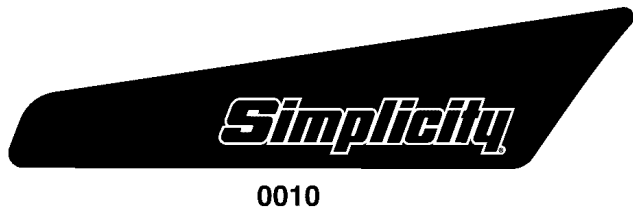
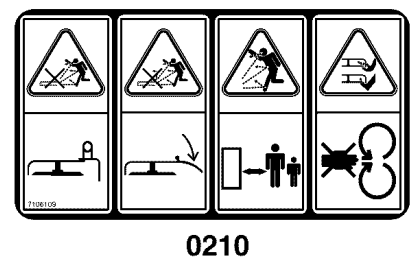
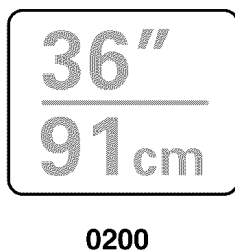
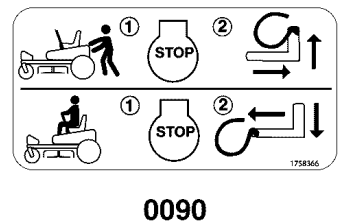
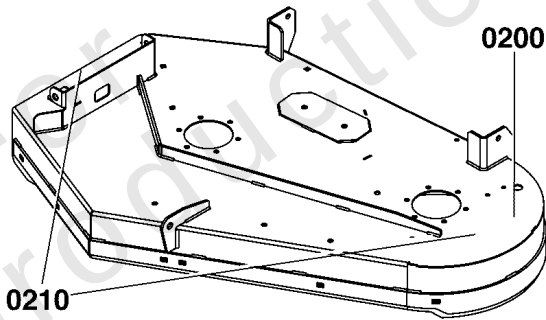
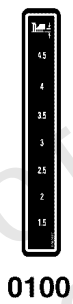
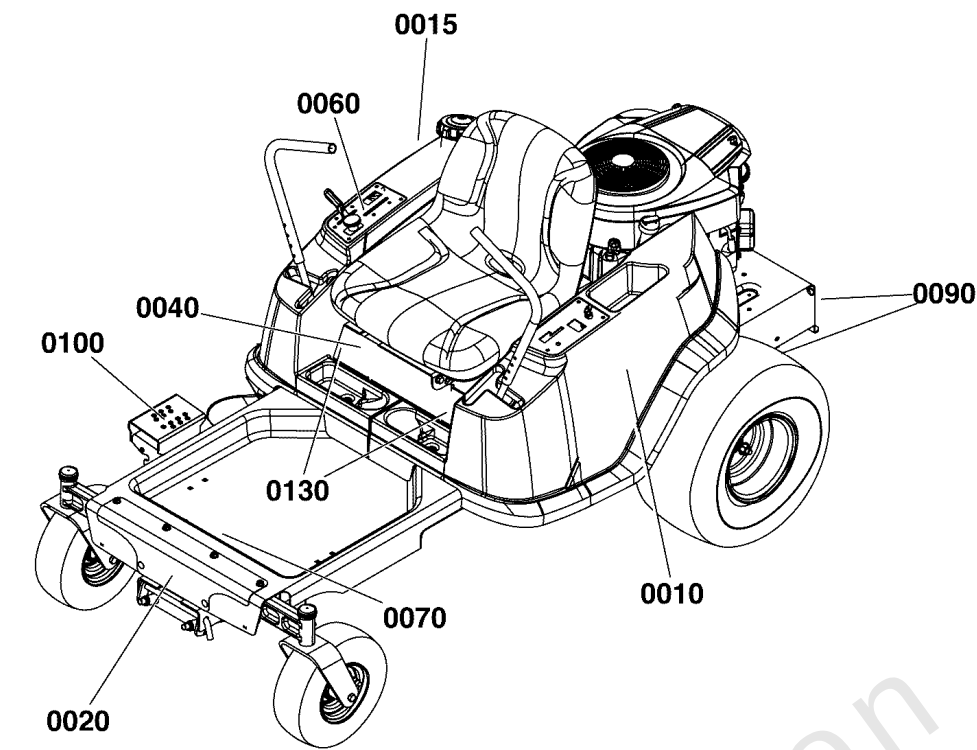
## Body & Fuel Tank Group

| REF NO  | PART NO    | QTY | DESCRIPTION                                                      |
|---------|------------|-----|------------------------------------------------------------------|
| 0010    | 84002190   | 1   | FENDER, RH                                                       |
| 0020    | 84002191   | 1   | ROD, Fender                                                      |
| 0030    | 770135     | 1   | SCREW, Truss HD, 1/4-20 x 3/4                                    |
| 0035    | 703463     | 1   | NUT, Flange Nylock , 1/4-20                                      |
| 0040    | 84005279   | 1   | FUEL TANK ASSEMBLY<br>-(Incl. Ref. Nos, 0040-10 through 0040-70) |
| 0040-10 | -----      | 1   | FUEL TANK<br>-(Not a serviceable part. Order Ref Nos 0040))      |
| 0040-20 | -----      | 1   | TUBE, Fuel<br>-(Not a serviceable part. Order Ref Nos 0040))     |
| 0040-30 | 1758314YP  | 1   | CAP, Fuel (Non Vented)                                           |
| 0040-40 | 799624     | 1   | GROMMET                                                          |
| 0040-50 | 770046     | 1   | REMOTE VENT ASSEMBLY                                             |
| 0040-60 | 1758927YP  | 1   | TUBE, Fuel Pickup                                                |
| 0040-70 | 1726400SM  | 1   | BUSHING                                                          |
| 0050    | 197546GS   | 5   | MOUNT, Vibration                                                 |
| 0060    | 84002192   | 1   | FENDER, LH                                                       |
| 0070    | 1758239AYP | 2   | SUPPORT, Rear Fender                                             |
| 0080    | 84002196   | 1   | BRACKET, Seat Spring                                             |
| 0090    | 703228     | 17  | SCREW, Washer Head Taptite, 5/16-18 X 3/4                        |
| 0100    | 703158     | 2   | NUT, Hex Flange, 3/8-16                                          |
| 0110    | 704038     | 2   | SCREW, Hex Flange, Whiz Lock, 3/8-16 x 1                         |
| 0120    | 1960044SM  | 4   | WASHER, Flat, 5/16                                               |
| 0130    | 1759140AYP | 1   | STRAP, Fuel Tank                                                 |
| 0140    | 84002197   | 2   | SUPPORT, Fuel Tank                                               |
| 0150    | 703054     | 2   | SCREW, Hex Washer Head, 1/4-20 x 5/8                             |



## Controls Group

| REF NO | PART NO    | QTY | DESCRIPTION                       |
|--------|------------|-----|-----------------------------------|
| 0010   | 1758372YP  | 2   | HANDLE, Control w/Grip            |
| 0020   | 703115     | 4   | NUT, Flange Nylock, 5/16-18       |
| 0030   | 703483     | 4   | BOLT, Carriage, 5/16-18 X 1       |
| 0040   | 1757965YP  | 2   | ARM, Upper Control                |
| 0050   | 707624     | 2   | BOLT, Shoulder, 5/16-18 X 3/8     |
| 0060   | 1757964YP  | 2   | ARM, Lower Control                |
| 0070   | 2176440SM  | 4   | BUSHING                           |
| 0080   | 703949     | 10  | SCREW, Washer Head, 5/16-18 X 5/8 |
| 0090   | 1758087AYP | 2   | PIVOT, Inner Control              |
| 0100   | 1960717SM  | 2   | NUT, Speed, 5/16-1                |
| 0110   | 1758373YP  | 2   | KNOB, Stud, 5/16-18 X 2 1/2       |
| 0120   | 1650347SM  | 2   | SPRING, Compression               |
| 0130   | 5025211SM  | 4   | PIN, Hair                         |
| 0140   | 1758463YP  | 2   | ROD, Dampener Mount               |
| 0150   | 1758152YP  | 2   | DAMPENER, Control                 |
| 0160   | 1759182YP  | 2   | LATCH, Control Arm                |
| 0170   | 1960252SM  | 4   | BOLT, Carriage, 1/4-20 x 5/8      |
| 0180   | 703463     | 4   | NUT, Flange Nylock , 1/4-20       |
| 0190   | 707625     | 2   | WASHER, Wave, 3/4                 |
| 0200   | 703902     | 2   | NUT, Hex Nylock, 5/16-18          |



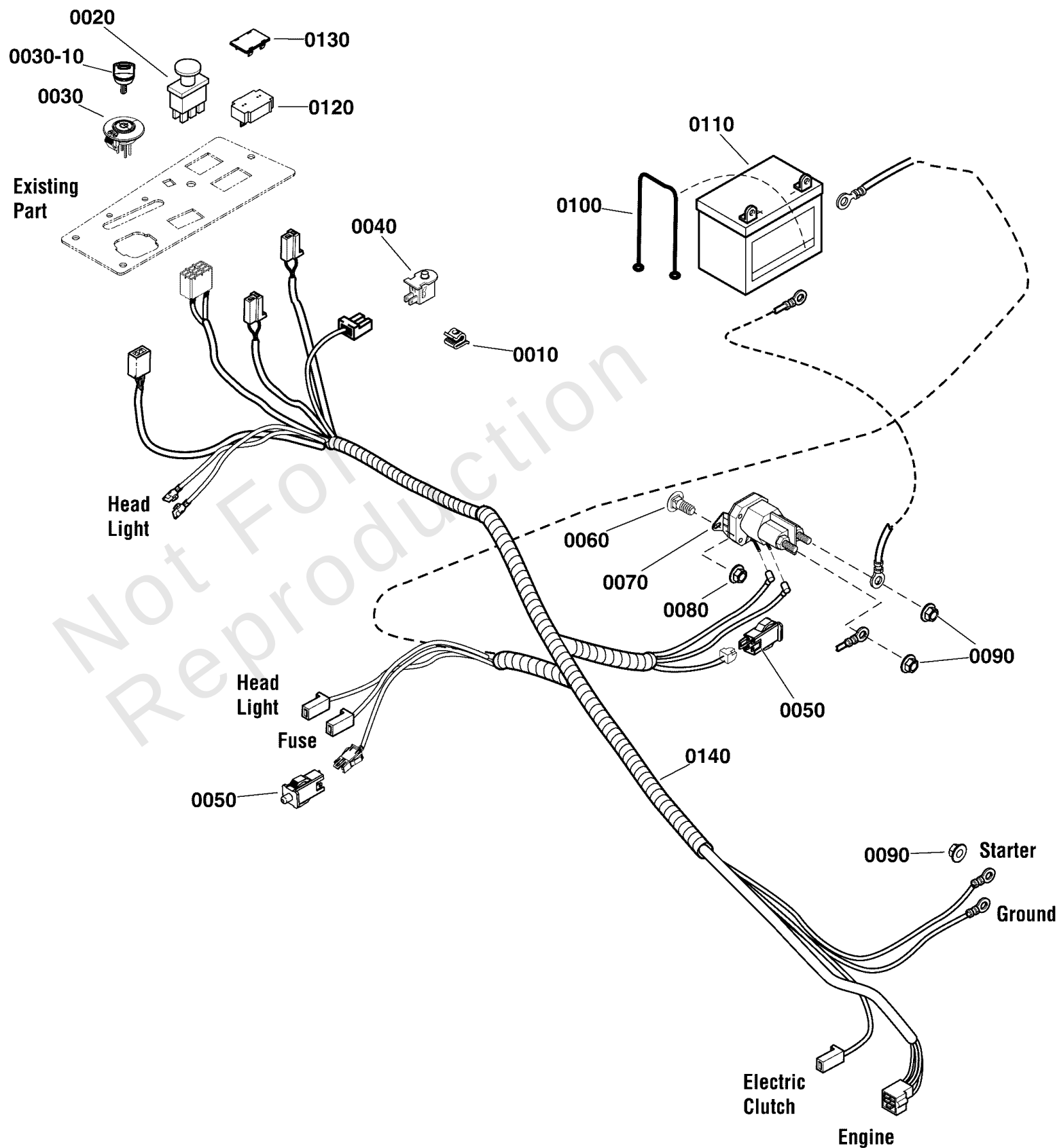
## ***Decals Group***

| REF NO | PART NO   | QTY | DESCRIPTION                                     |
|--------|-----------|-----|-------------------------------------------------|
| 0010   | 1760168YP | 1   | DECAL, Simplicity Logo, LH Fender, 15.7" x 3.7" |
| 0015   | 1760169YP | 1   | DECAL, Simplicity Logo, RH Fender, 15.7" x 3.7" |
| 0020   | 1757673YP | 1   | DECAL, Model, SMI Logo 10.47" Long              |
| 0040   | 84004584  | 1   | DECAL, Model                                    |
| 0060   | 7105868YP | 1   | DECAL, Engine Speed                             |
| 0070   | 1759648YP | 1   | DECAL, Safety Inst.                             |
| 0090   | 1758366YP | 2   | DECAL, Tow Release                              |
| 0090   | 1759466YP | 2   | DECAL, Tow Release, Suspension                  |
| 0100   | 84002224  | 1   | DECAL, Height of Cut                            |
| 0130   | 1759724YP | 2   | DECAL, Tracking                                 |
| 0200   | 84002226  | 1   | DECAL, 36"/91cm                                 |
| 0210   | 7101665YP | 2   | DECAL, Danger                                   |

**Electrical Group w/Hourmeter**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



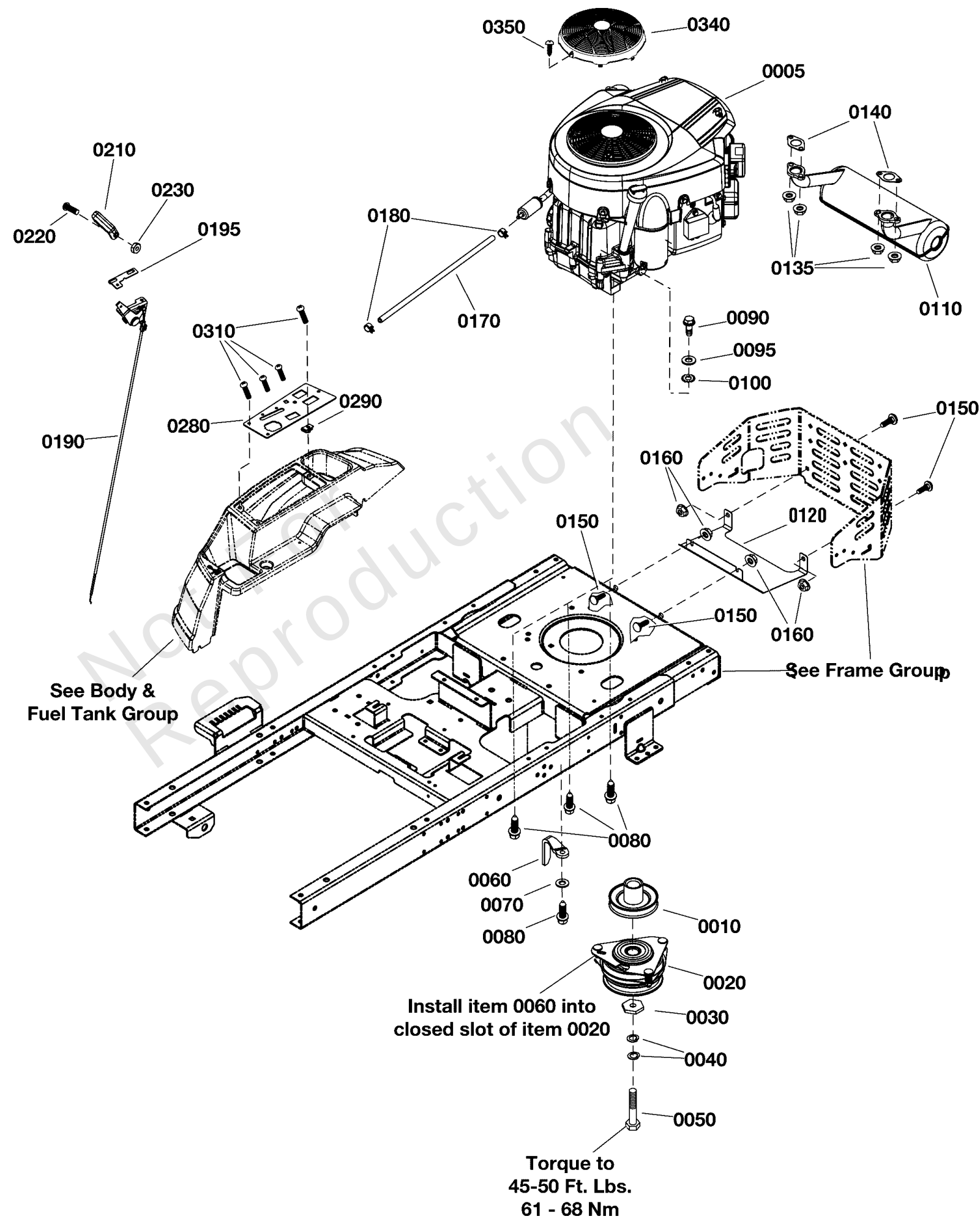
### ***Electrical Group w/Hourmeter***

| REF NO  | PART NO   | QTY | DESCRIPTION                              |
|---------|-----------|-----|------------------------------------------|
| 0010    | 2172434SM | 1   | CLIP, Wire, .390 Dia.                    |
| 0020    | 1722887SM | 1   | SWITCH, PTO, Push/Pull                   |
| 0030    | 7106169YP | 1   | SWITCH, Ignition, Delta (3 Postition)    |
| 0030-10 | 7106172YP | 1   | KEY, Ignition Switch - Pack of 2, CE/CAN |
| 0030-10 | 7106170YP | 1   | KEY, Ignition Switch, Pack of 2, NA/AU   |
| 0040    | 7023354YP | 1   | SWITCH, Seat, Push Button (NC)           |
| 0050    | 7022886YP | 2   | SWITCH, DP, NO/NC, Snap-In               |
| 0060    | 1960252SM | 2   | BOLT, Carriage, 1/4-20 x 5/8             |
| 0070    | 1755382YP | 1   | SOLENOID, 1/4-20 STD, 2 Spade            |
| 0080    | 703463    | 2   | NUT, Flange Nylock , 1/4-20              |
| 0090    | 703061    | 3   | NUT, 1/4-20, Keps, Conical Washer        |
| 0100    | 1722009SM | 1   | STRAP, Rubber, 13"                       |
| 0110    | 7060618YP | 1   | BATTERY, 12 Volt, 230 CCA                |
| 0120    | 1731185SM | 1   | HOUR METER, Digital, No Alarms           |
| 0130    | 1722611SM | 1   | PLUG, Hole, .85 X 1.73                   |
| 0140    | 84002334  | 1   | HARNESS, Main                            |

# Engine Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



## Engine Group

| REF NO | PART NO        | QTY | DESCRIPTION                                                       |
|--------|----------------|-----|-------------------------------------------------------------------|
| 0005   | 40N777-0035-B5 | 1   | * ENGINE, 23 Gross HP B&S Twin<br>-(Engine Model: 44N777-0035-B5) |
| 0010   | 1757995YP      | 1   | PULLEY ASSEMBLY                                                   |
| 0020   | 1736105SM      | 1   | CLUTCH, Ogura                                                     |
| 0030   | 1708264SM      | 1   | WASHER, Hex                                                       |
| 0040   | 1960769YP      | 2   | WASHER, Belleville                                                |
| 0050   | 771023         | 1   | CAPSCREW, Hex Head, Loctite, 7/16-20 x 3 1/2                      |
| 0060   | 1737421AYP     | 1   | GUIDE, Belt                                                       |
| 0070   | 703878         | 1   | WASHER, Flat, 13/32 x 7/8 x .083                                  |
| 0080   | 2828635SM      | 4   | SCREW, Taptite, 3/8-16 X 1 1/4                                    |
| 0090   | 703054         | 1   | SCREW, Hex Washer Head, 1/4-20 x 5/8                              |
| 0095   | 703332         | 1   | WASHER, Flat, 1/4                                                 |
| 0100   | 1921880SM      | 1   | WASHER, Lock, 1/4                                                 |
| 0110   | 1758350YP      | 1   | MUFFLER                                                           |
| 0120   | 1759502AYP     | 1   | SHIELD, Heat                                                      |
| 0135   | 690941         | 4   | NUT                                                               |
| 0140   | 690970         | 2   | GASKET, Exhaust                                                   |
| 0150   | 703185         | 4   | BOLT, Carriage, 5/16-18 X 3/4                                     |
| 0160   | 703115         | 4   | NUT, Flange Nylock, 5/16-18                                       |
| 0150   | 703185         | 4   | BOLT, Carriage, 5/16-18 X 3/4                                     |
| 0160   | 703115         | 4   | NUT, Flange Nylock, 5/16-18                                       |
| 0170   | 327290MA       | 1   | HOSE, Fuel                                                        |
| 0180   | 691038         | 2   | CLAMP, Hose                                                       |
| 0190   | 1759205YP      | 1   | CONTROL, Throttle                                                 |
| 0195   | 84004836       | 1   | STOP, Throttle                                                    |
| 0210   | 1739312YP      | 1   | KNOB, Throttle                                                    |
| 0220   | 797483         | 1   | SCREW                                                             |
| 0230   | 703460         | 1   | NUT                                                               |
| 0280   | 84002285       | 1   | PANEL, Control, Choke                                             |
| 0290   | 705876         | 3   | NUT, Speed, 1/4-20                                                |
| 0310   | 7090999SM      | 5   | SCREW, Phillips Head, 1/4-20 X 5/8                                |
| 0340   | 797420YP       | 1   | GUARD, Debris Screen                                              |
| 0350   | 799359         | 1   | SCREW                                                             |

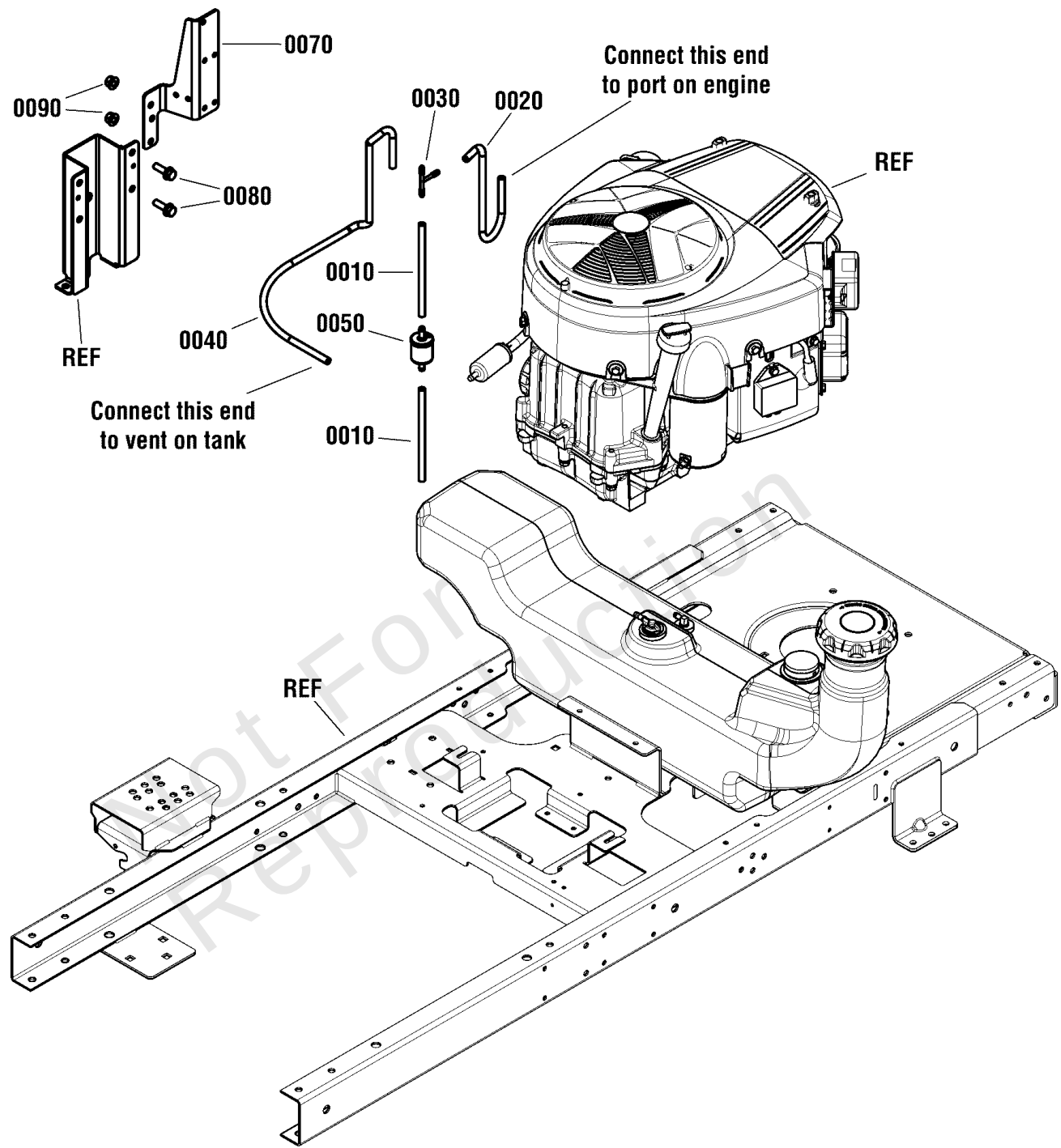
### Footnotes:

Note:\* See your local Briggs & Stratton distributor for parts & service.

**Evap Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



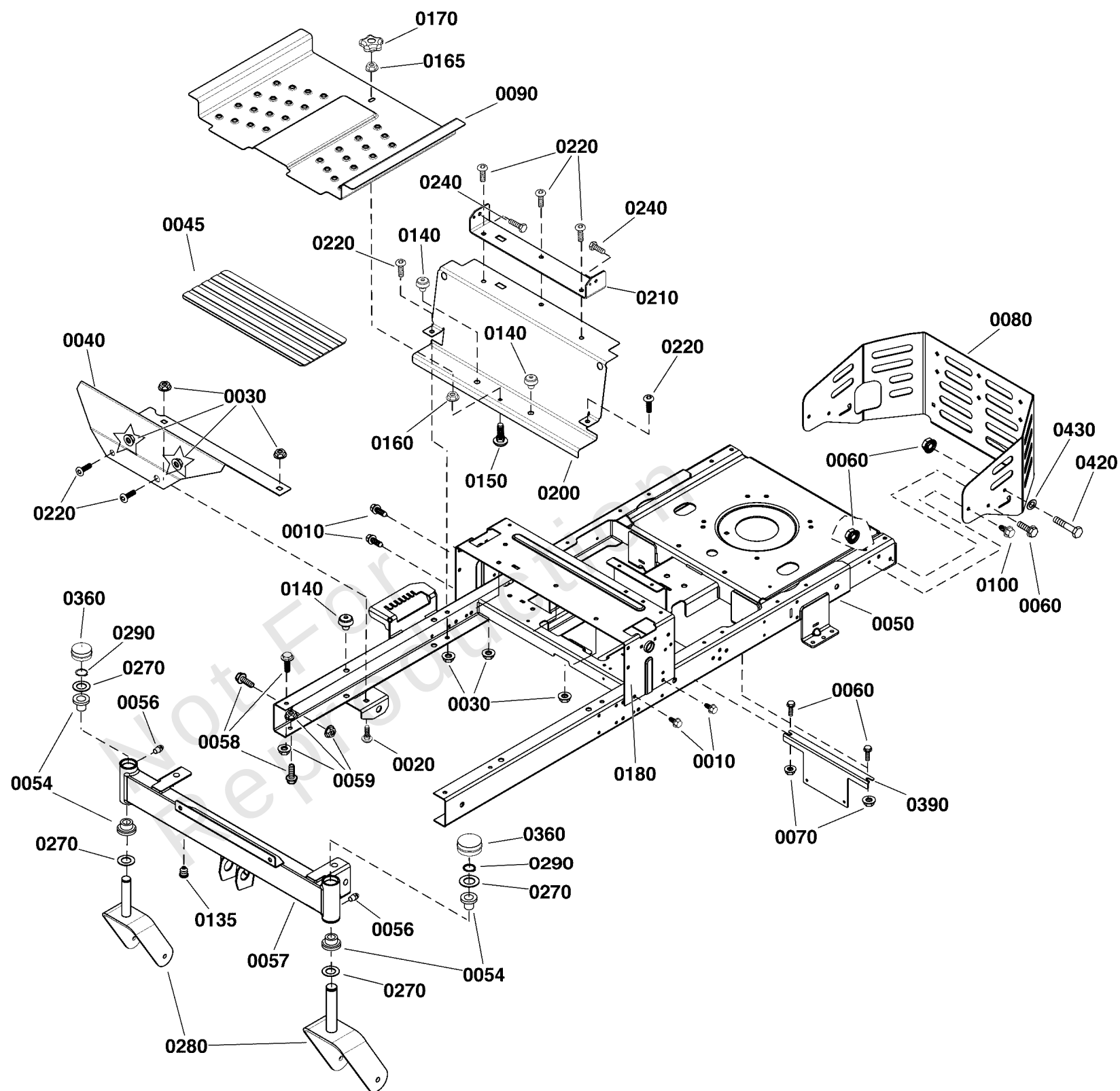
### ***Evap Group***

| REF NO | PART NO      | QTY | DESCRIPTION                              |
|--------|--------------|-----|------------------------------------------|
| 0010   | 7700552X6YP  | 2   | HOSE, VAPOR, 5MM ID, 6.00 LG             |
| 0020   | 7700552X12YP | 1   | HOSE, Vapor, 5 MM ID X 9 MM OD X 12"     |
| 0030   | 5103062YP    | 1   | FITTING, 3/16" TEE, BARB TYPE, HDPE      |
| 0040   | 7700552X26YP | 1   | HOSE, Vapor, 5 MM ID, 26.00 LG           |
| 0050   | 84001895     | 1   | FILTER, Fuel                             |
| 0060   | 5021030SM    | 5   | TIE, 6" Self-Locking                     |
| 0070   | 1760538AYP   | 1   | BRACKET, Vent Hose Mount - BS Twin (BLK) |
| 0080   | 703410       | 2   | BOLT, Serrated Flange, 5/16-18 X 1.0     |
| 0090   | 703115       | 2   | NUT, Flange Nylock, 5/16-18              |

# Frame Group

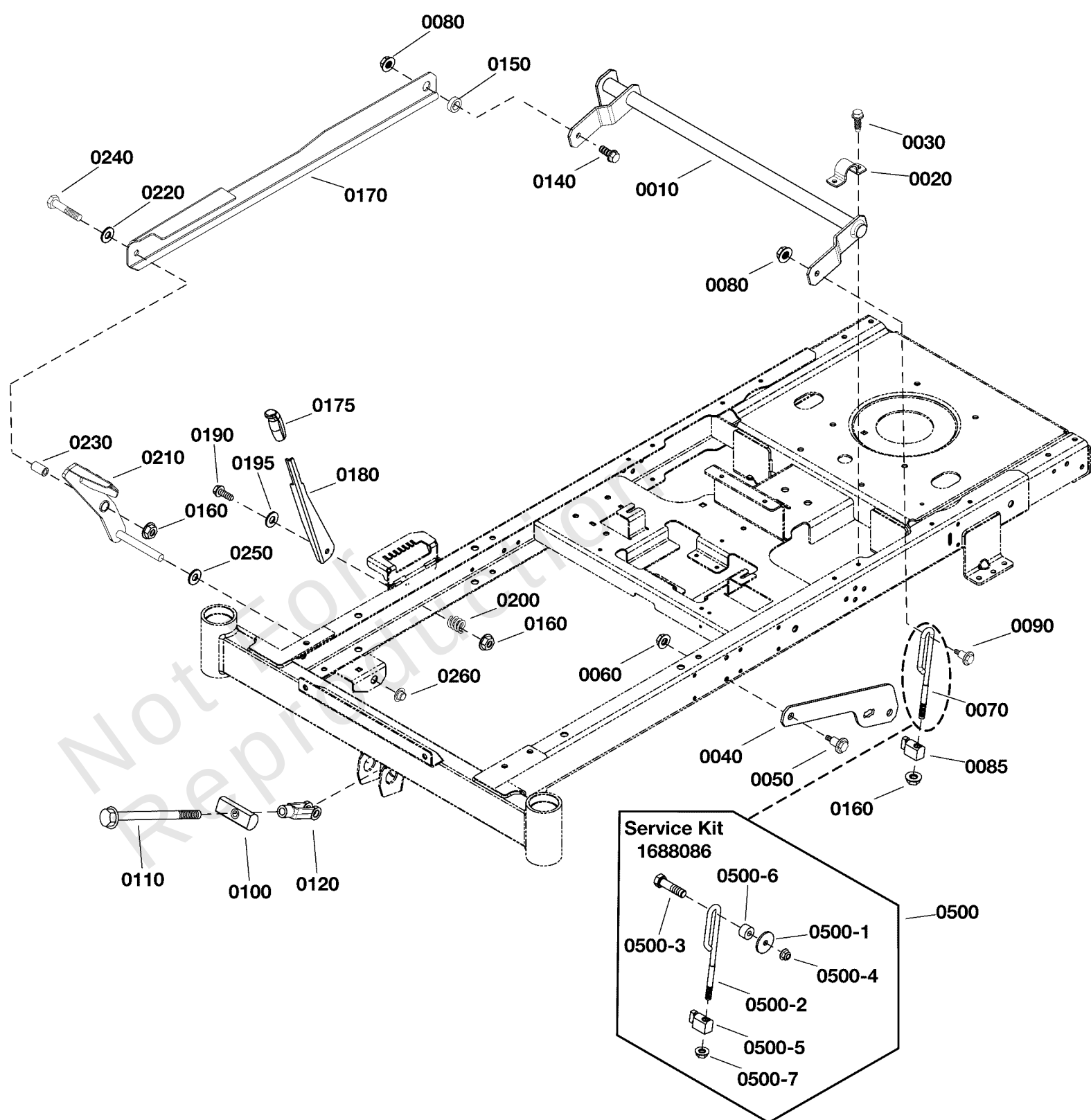
Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



## Frame Group

| REF NO | PART NO      | QTY | DESCRIPTION                                |
|--------|--------------|-----|--------------------------------------------|
| 0010   | 703949       | 4   | SCREW, Washer Head, 5/16-18 X 5/8          |
| 0020   | 703448       | 2   | BOLT, Carriage, 3/8-16 X 3/4, GR5          |
| 0030   | 703158       | 9   | NUT, Hex Flange, 3/8-16                    |
| 0040   | 84002101     | 1   | FOOTREST, Front                            |
| 0045   | 5101567YP    | 1   | SAFETY WALK, 5.13 X 15.25                  |
| 0050   | -----        | 1   | FRAME<br>-(Not a serviceable part)         |
| 0054   | 1721682SM    | 4   | BUSHING, 31/32 x 1-1/4 x 3/4, Powder Metal |
| 0056   | 1704314SM    | 2   | FITTING, Lube, 1/4                         |
| 0057   | 84002871     | 1   | FRONT AXLE ASSEMBLY                        |
| 0058   | 704038       | 6   | SCREW, Hex Flange, Whiz Lock, 3/8-16 x 1   |
| 0059   | 703893       | 6   | NUT, Hex, Flange, Two Way Lock, 3/8-16     |
| 0060   | 703410       | 4   | BOLT, Serrated Flange, 5/16-18 X 1.0       |
| 0070   | 703115       | 6   | NUT, Flange Nylock, 5/16-18                |
| 0080   | 84002229     | 1   | BUMPER, Rear                               |
| 0090   | 1757813CYP   | 1   | PAN, Foot                                  |
| 0100   | 703228       | 2   | SCREW, Washer Head Taptite, 5/16-18 X 3/4  |
| 0135   | 7046780SM    | 1   | PLUG, Hole, .44" OD                        |
| 0140   | 197546GS     | 6   | MOUNT, Vibration                           |
| 0150   | 7090496YP    | 1   | BOLT, Carriage, 1/4C X 1, GR5              |
| 0160   | 703233       | 1   | NUT, Serrated, Flange, 1/4-20, GR5         |
| 0165   | 15X143MA     | 1   | NUT, Center Lock, 1/4-20                   |
| 0170   | 707785       | 1   | KNOB, 5 Prong                              |
| 0180   | 1758010CYP   | 1   | BRACKET, Control                           |
| 0200   | 1757796CYP   | 1   | BRACKET, Brand Plate                       |
| 0210   | 1760193CYP   | 1   | BRACKET, Seat                              |
| 0220   | 707790       | 7   | SCREW, Button Head, 3/8-16 X .88           |
| 0240   | 703932       | 2   | SCREW, 5/16-18 x 1/2" Torx Pan Head        |
| 0270   | 703149       | 4   | WASHER, Flat, 1                            |
| 0280   | 84002867     | 2   | CASTER, Yoke                               |
| 0290   | 703993       | 2   | RETAINER, Ring                             |
| 0360   | 84002102     | 2   | CAP, Vinyl                                 |
| 0390   | 1759969CYP   | 1   | GUARD, Transmission (Orange)               |
| 0420   | 5025055X18YP | 2   | BOLT, 5/16-18 X 2-1/4                      |
| 0430   | 1919326SM    | 2   | WASHER, 5/16                               |



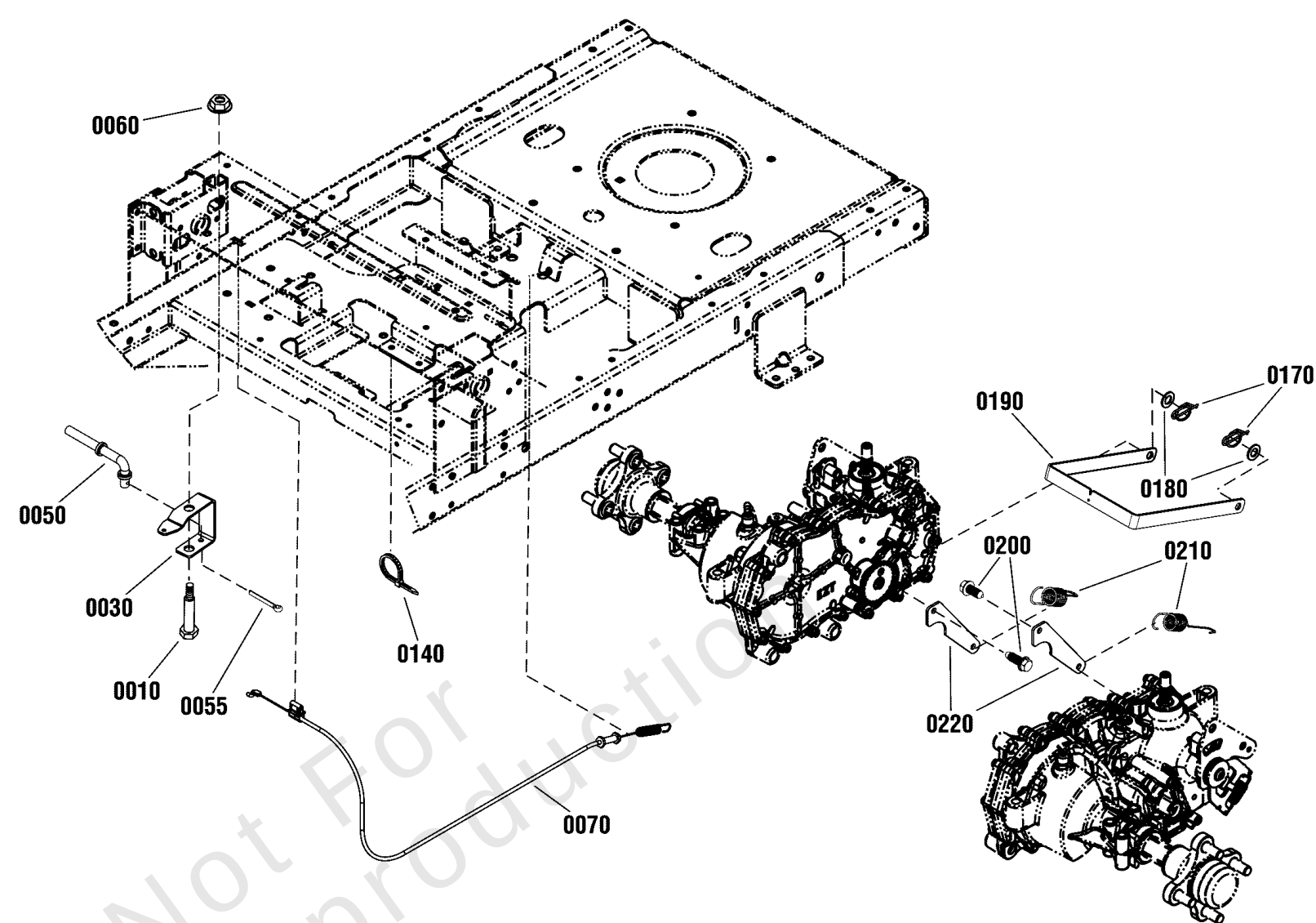
## Lift Group

| REF NO | PART NO    | QTY | DESCRIPTION                              |
|--------|------------|-----|------------------------------------------|
| 0010   | 84001704   | 1   | SHAFT, Lift                              |
| 0020   | 1761690HYP | 2   | STRAP, Rocker Shaft                      |
| 0030   | 703949     | 4   | SCREW, Washer Head, 5/16-18 X 5/8        |
| 0040   | 1757953AYP | 2   | ARM, Lift                                |
| 0050   | 1732426SM  | 2   | BOLT, Shoulder, 5/16-18                  |
| 0060   | 703115     | 2   | NUT, Flange Nylock, 5/16-18              |
| 0070   | 1757936YP  | 2   | ROD, Lift                                |
| 0080   | 703158     | 2   | NUT, Hex Flange, 3/8-16                  |
| 0085   | 1731894SM  | 2   | TRUNNION                                 |
| 0090   | 009X51MA   | 2   | BOLT, Shoulder, 3/8-16                   |
| 0100   | 1757955YP  | 1   | PIVOT                                    |
| 0110   | 1757954YP  | 1   | ROD, Hitch                               |
| 0120   | 5023174SM  | 1   | CLEVIS, 1/2-20                           |
| 0140   | 704038     | 1   | SCREW, Hex Flange, Whiz Lock, 3/8-16 x 1 |
| 0150   | 1663752SM  | 1   | SPACER, 25/64 x 5/8 x 3/16               |
| 0160   | 703893     | 3   | NUT, Hex, Flange, Two Way Lock, 3/8-16   |
| 0170   | 84001705   | 1   | LINK, Lift                               |
| 0175   | 84001706   | 1   | GRIP                                     |
| 0180   | 84001707   | 1   | LEVER, Height Adjust                     |
| 0190   | 770137     | 1   | BOLT, Flange, 3/8-16 X 1 1/4             |
| 0195   | 704128     | 1   | WASHER, Flat                             |
| 0200   | 2162085SM  | 1   | SPRING, Compression                      |
| 0210   | 84001708   | 1   | PEDAL                                    |
| 0220   | 703878     | 1   | WASHER, Flat, 13/32 x 7/8 x .083         |
| 0230   | 1756612YP  | 1   | BUSHING                                  |
| 0240   | 703589     | 1   | CAPSCREW, Hex Head, 3/8-16 X 2, GR5      |
| 0250   | 703580     | 1   | WASHER, 5/8                              |
| 0260   | 771009     | 1   | PUSHNUT, 5/8                             |
| 0500   | 1688086    | 1   | LIFT KIT, ZT                             |
| 0500-1 | 5025305SM  | 2   | WASHER, .41 X 1.75 X .14                 |
| 0500-2 | 84003818   | 2   | ROD, Lift                                |
| 0500-3 | 703406     | 2   | CAPSCREW, Hex Head, 3/8-16 X 1 1/2, GR5  |
| 0500-4 | 703158     | 2   | NUT, Hex Flange, 3/8-16                  |
| 0500-5 | 84003820   | 2   | TRUNNION                                 |
| 0500-6 | 5100334SM  | 2   | SPACER                                   |
| 0500-7 | 5025396SM  | 2   | NUT, Hex Flange, 1/2-13                  |

**Parking Brake Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



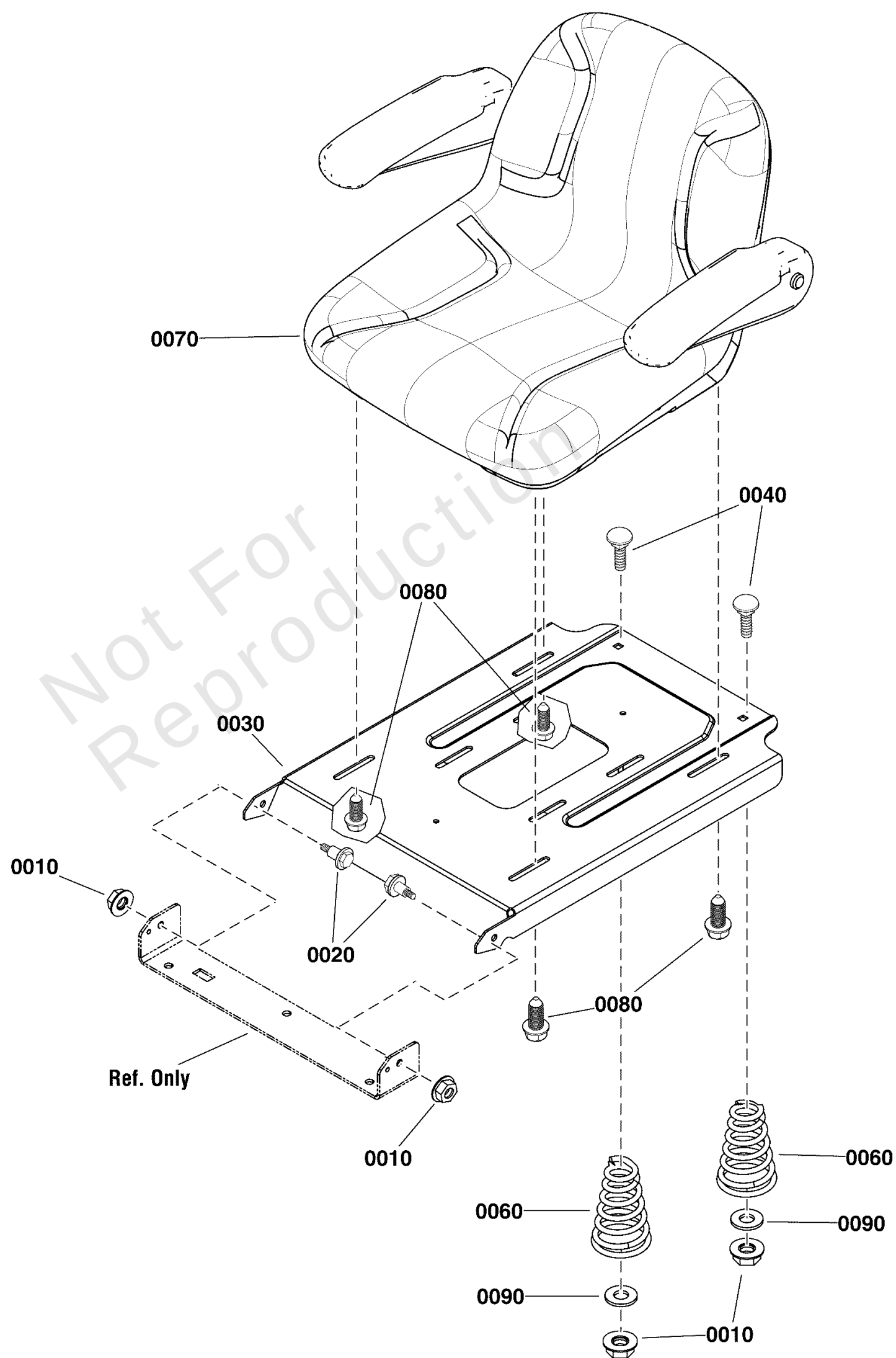
### ***Parking Brake Group***

| REF NO | PART NO    | QTY | DESCRIPTION                   |
|--------|------------|-----|-------------------------------|
| 0010   | 1736539YP  | 1   | BOLT, Shoulder, 3/8-16 X 3.41 |
| 0030   | 1758091YP  | 1   | BELLCRANK, Parking Brake      |
| 0050   | 84004366   | 1   | ROD, Parking Brake            |
| 0055   | 703312     | 1   | PIN, Cotter, 3/32 X 3/4       |
| 0060   | 703158     | 1   | NUT, Hex Flange, 3/8-16       |
| 0070   | 1759207YP  | 1   | CABLE, Parking Brake          |
| 0140   | 703586     | 1   | TIE, Cable                    |
| 0170   | 7091594SM  | 2   | PIN, Cotter, 1/2              |
| 0180   | 703946     | 2   | WASHER, Flat                  |
| 0190   | 1758126AYP | 1   | ARM, Parking Brake            |
| 0200   | 708964     | 2   | SCREW, Taptite, M6 x 1.0-12   |
| 0210   | 1758283YP  | 2   | SPRING, Extension             |
| 0220   | 1759349YP  | 2   | BRACKET, Spring               |

**Seat Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



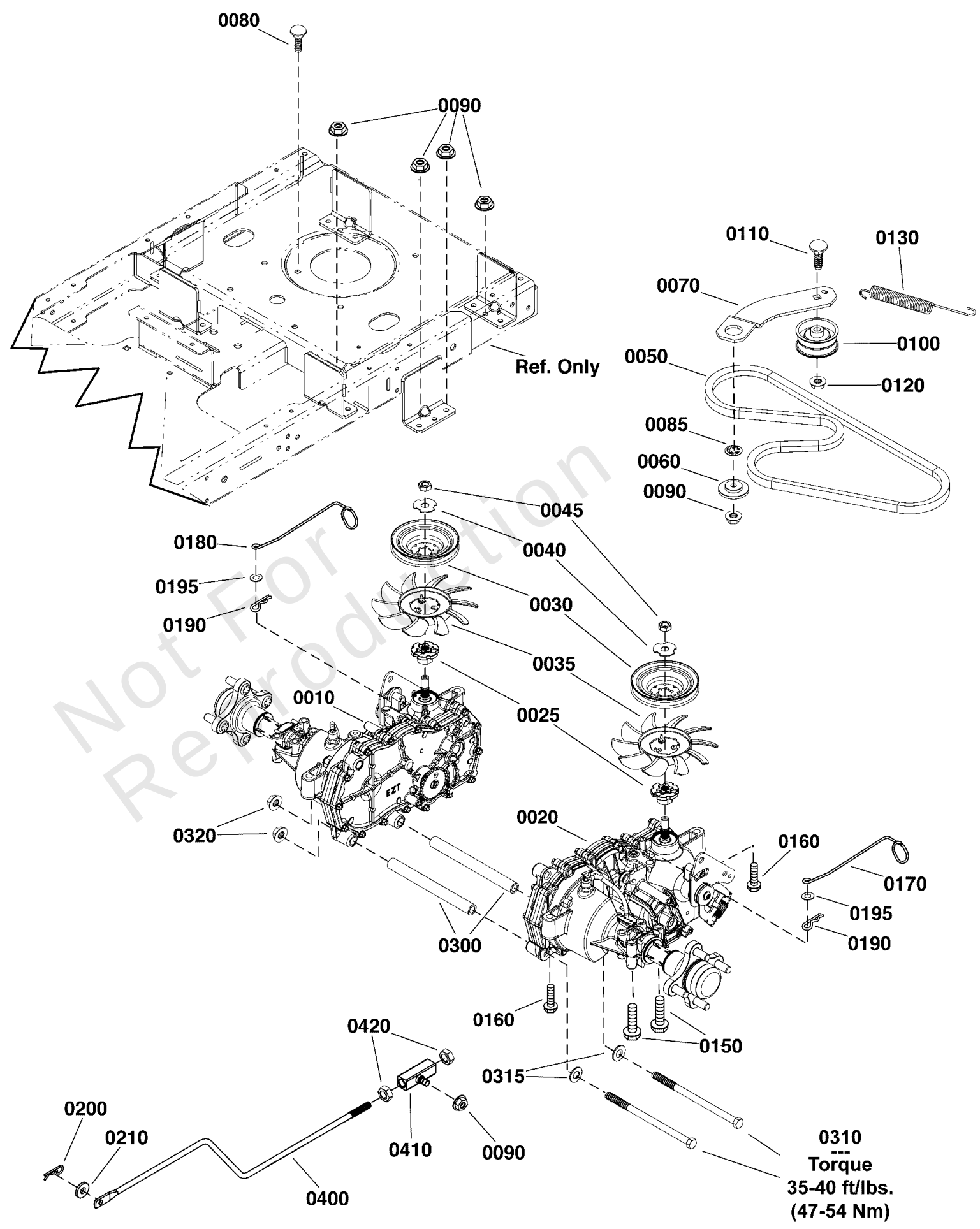
### ***Seat Group***

| REF NO | PART NO   | QTY | DESCRIPTION                      |
|--------|-----------|-----|----------------------------------|
| 0010   | 703115    | 4   | NUT, Flange Nylock, 5/16-18      |
| 0020   | 1752802YP | 2   | BOLT, Shoulder, 5/16-18 x 1.03LG |
| 0030   | 84001619  | 1   | SLIDE, Seat                      |
| 0040   | 703483    | 2   | BOLT, Carriage, 5/16-18 X 1, GR5 |
| 0060   | 1717051SM | 2   | SPRING, Seat                     |
| 0070   | 84003333  | 1   | KIT, Seat, 15" , W/Armrests      |
| 0080   | 770697    | 4   | SCREW, Hex Flange, 5/16-18 x 1   |
| 0090   | 704128    | 2   | WASHER, Flat                     |

**Transmission Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



## Transmission Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                                |
|--------|------------|-----|----------------------------------------------------------------------------|
| 0010   | 84002176   | 1   | * TRANSMISSION, EZT, RH<br>-(Refer to Note: *) (Model: (ZD-DPBB-2A7C-2XPX) |
| 0020   | 84002177   | 1   | * TRANSMISSION, EZT, LH<br>-(Refer to Note: *) (Model: (ZD-APBB-2A7B-3XPX) |
| 0025   | 1759450YP  | 2   | SPACER, Transmission, 26 Tooth Spline                                      |
| 0030   | 1759447YP  | 2   | PULLEY, Transmission                                                       |
| 0035   | 1759448YP  | 2   | FAN, Input                                                                 |
| 0040   | 5102914YP  | 2   | WASHER, Slotted                                                            |
| 0045   | 5102916YP  | 2   | NUT, ZT5400                                                                |
| 0050   | 1758100YP  | 1   | BELT, Transmission                                                         |
| 0060   | 1727935SM  | 1   | SPACER, Pivot                                                              |
| 0070   | 1758044AYP | 1   | ARM, Idler                                                                 |
| 0080   | 703800     | 1   | BOLT, Carriage, 5/16-18 X 1                                                |
| 0085   | 703297     | 1   | RETAINER, 5/16 X 5/8                                                       |
| 0090   | 703115     | 11  | NUT, Flange Nylock, 5/16-18                                                |
| 0100   | 1668477SM  | 1   | PULLEY, Idler, 2.25" OD, .378 ID                                           |
| 0110   | 703879     | 1   | BOLT, Carriage, 3/8-16X1-3/4, GR5                                          |
| 0120   | 703158     | 1   | NUT, Hex Flange, 3/8-16                                                    |
| 0130   | 1758045YP  | 1   | SPRING, 7.18"Long, .75" OD, Extension                                      |
| 0150   | 707943     | 4   | SCREW, Washer Head, 5/16-18 X 3                                            |
| 0160   | 707944     | 4   | SCREW, Washer Head, 5/16-18 X 2 1/4                                        |
| 0170   | 1759245YP  | 1   | ROD, Release, LH                                                           |
| 0180   | 1759246YP  | 1   | ROD, Release, RH                                                           |
| 0190   | 703430     | 2   | PIN, 13X1.19                                                               |
| 0195   | 703332     | 2   | WASHER, Flat, 1/4                                                          |
| 0200   | 703300     | 2   | PIN, Hair, 3/32 x 1 5/8                                                    |
| 0210   | 704138     | 2   | TANK-FUEL                                                                  |
| 0300   | 1759392YP  | 2   | SPACER, Transmission                                                       |
| 0310   | 707945     | 2   | CAPSCREW, HexHead, 7/16-14 X 11 1/4                                        |
| 0315   | 703183     | 2   | WASHER, 7/16                                                               |
| 0320   | 1930650SM  | 2   | NUT, Hex Two Way, 7/16-14                                                  |
| 0400   | 84002180   | 2   | CONTROL ROD, Transmission                                                  |
| 0410   | 84002181   | 2   | TRUNNION                                                                   |
| 0420   | 7090460    | 4   | NUT, 7/16-20 Hex, GR 5 or B                                                |

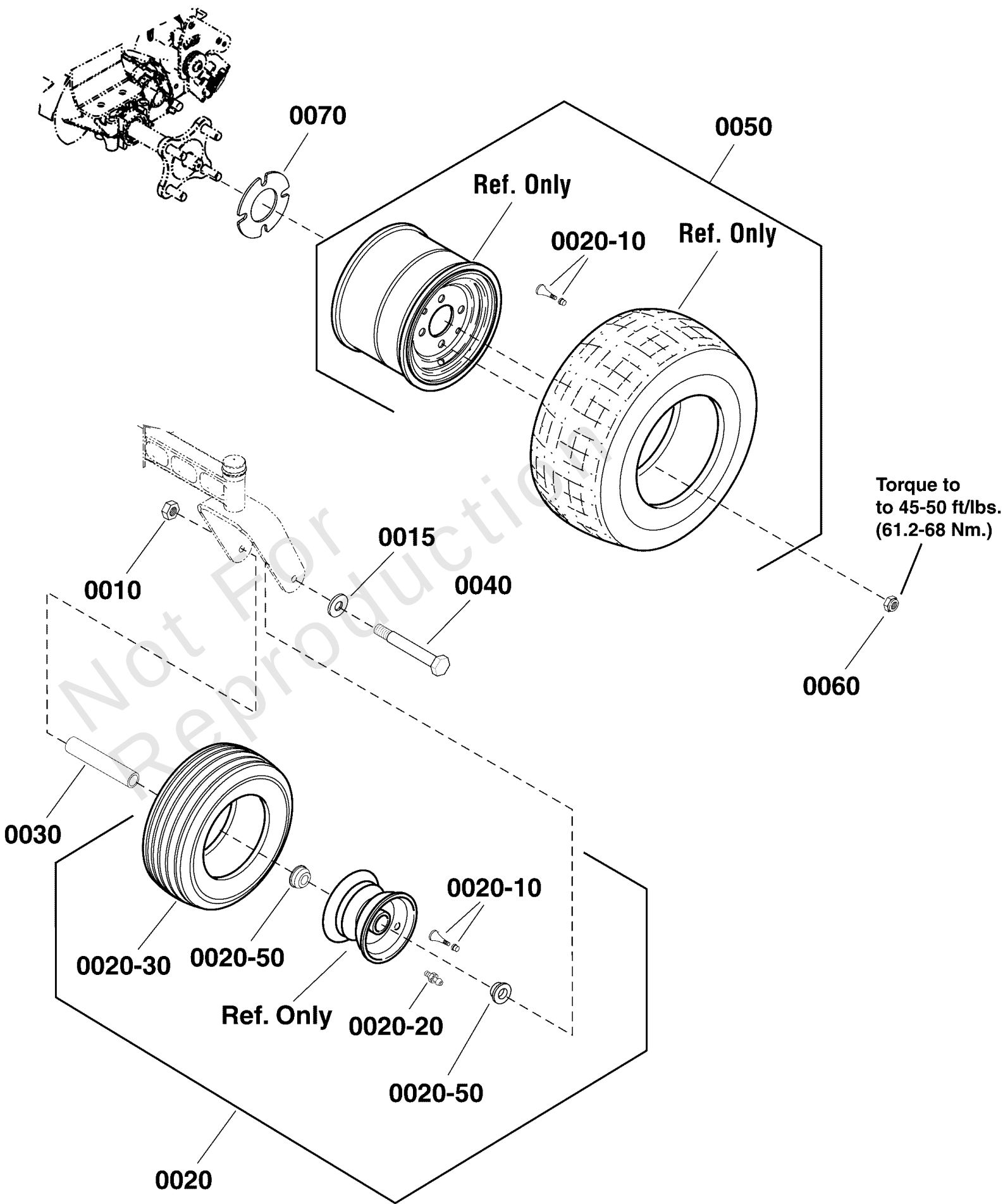
### Footnotes:

Note \*See your local Hydro Gear dealer for parts and service.

Wheel & Tire Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 2691691-00



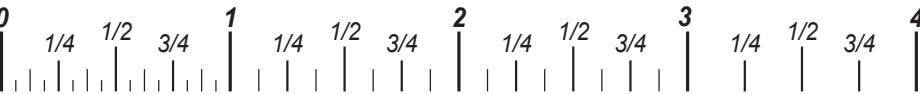
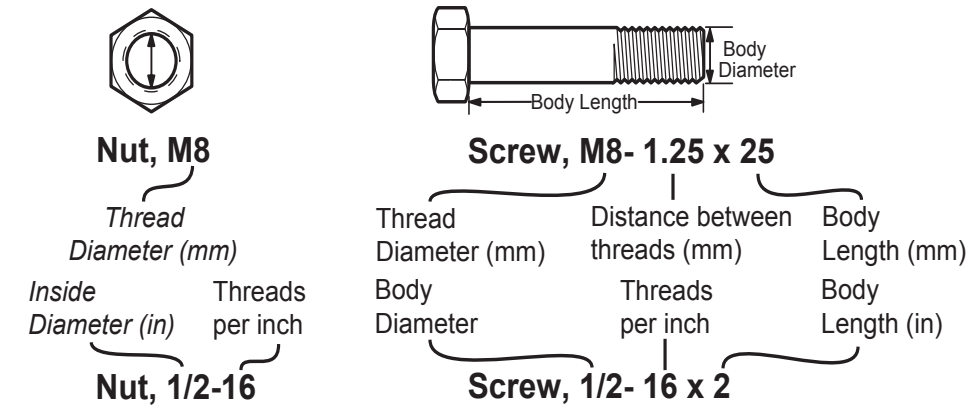
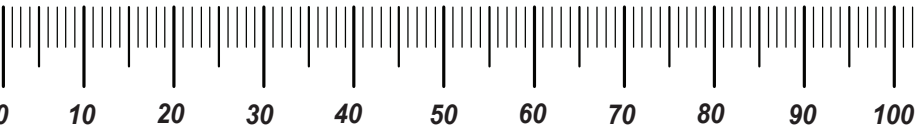
## Wheel & Tire Group

| REF NO  | PART NO   | QTY | DESCRIPTION                                    |
|---------|-----------|-----|------------------------------------------------|
| 0010    | 1930650SM | 2   | NUT, Hex Two Way, 7/16-14                      |
| 0015    | 703183    | 2   | WASHER, 7/16                                   |
| 0020    | 1734013SM | 2   | ASSEMBLY, Wheel & Tire, Front Caster, 11 X 4-5 |
| 0020-10 | 2172353SM | 4   | VALVE STEM & CAP                               |
| 0020-20 | 7104428YP | 2   | ZERK, Grease                                   |
| 0020-30 | 1734875SM | 2   | TIRE, 11 X 4-5                                 |
| 0020-50 | 1739281YP | 4   | BUSHING, 0.632ID, 1.377OD, 0.62 LG             |
| 0030    | 1734841SM | 2   | TUBE, Caster Wheel                             |
| 0040    | 7091772SM | 2   | SCREW, 7/16-14 x 6 Hex Head Cap, GR 5          |
| 0050    | 84001649  | 2   | REAR WHEEL ASSEMBLY                            |
| 0060    | 5020601SM | 8   | NUT, Lug, 1/2-20                               |
| 0070    | 84002077  | 2   | PLATE, Wheel                                   |

# Hardware Identification & Torque Specifications

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

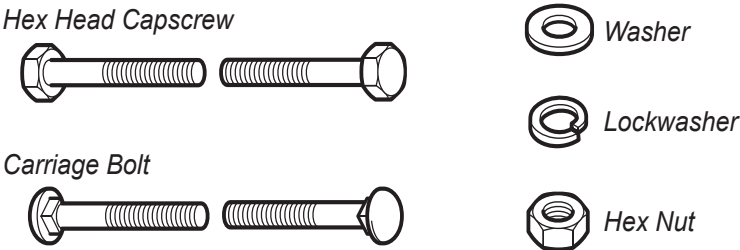
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

| Torque Specification Chart                      |                                                                                                    |       |                                                                                                    |       |                                                                                                    |         |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|---------|
| FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%) |                                                                                                    |       |                                                                                                    |       |                                                                                                    |         |
| Hardware Grade                                  | <br>SAE Grade 2 |       | <br>SAE Grade 5 |       | <br>SAE Grade 8 |         |
| Size Of Hardware                                | in/lbs<br>ft/lbs                                                                                   | Nm.   | in/lbs<br>ft/lbs                                                                                   | Nm.   | in/lbs<br>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

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

