



# Parts Manual

Mfg. No: 1693935  
516H, 16HP Hydro

|                                                                |  |
|----------------------------------------------------------------|--|
| 1690819 - Dethatcher, Lawn 35".....                            |  |
| 1692125 - Cart, Dump (10 Cu. Ft.).....                         |  |
| 1692679 - Dethatcher Adapter.....                              |  |
| 1692883SM - Grass Mulcher Kit, 38".....                        |  |
| 1692884 - Grass Mulcher Kit, 44" (2007 & Prior).....           |  |
| 1693869 - Turbo Blower for 38", 44" & 50" Mounting Kits.....   |  |
| 1693976 - Turbo Blower for 44" Regent and ZT Series.....       |  |
| 1693977 - Turbo Mounting Kit 44".....                          |  |
| 1693979 - Turbo Mounting Kit for 38" Regent and ZT Series..... |  |
| 1691522 - Snowthrower, Single-Stage , 42".....                 |  |
| 1693754 - Blade, 42" Angling Dozer.....                        |  |
| 1691521 - Snowthrower, Single-Stage,36".....                   |  |
| 1692629 - Snow Cab.....                                        |  |
| 1692620 - Catcher, Clean Sweep Twin, 38".....                  |  |
| 1692621 - Catcher, Clean Sweep Turbo Twin, 38".....            |  |
| 1692622 - Snowthrower Hitch.....                               |  |
| 1693755 - Hitch, 42" Dozer.....                                |  |
| 1693867 - Lift Lever, Snowthrower & Dozer Blade.....           |  |
| 1693792 - 38" Mower Deck.....                                  |  |
| 1693554 - 40" Mower Deck.....                                  |  |
| 1693795 - 44" Mower Deck.....                                  |  |

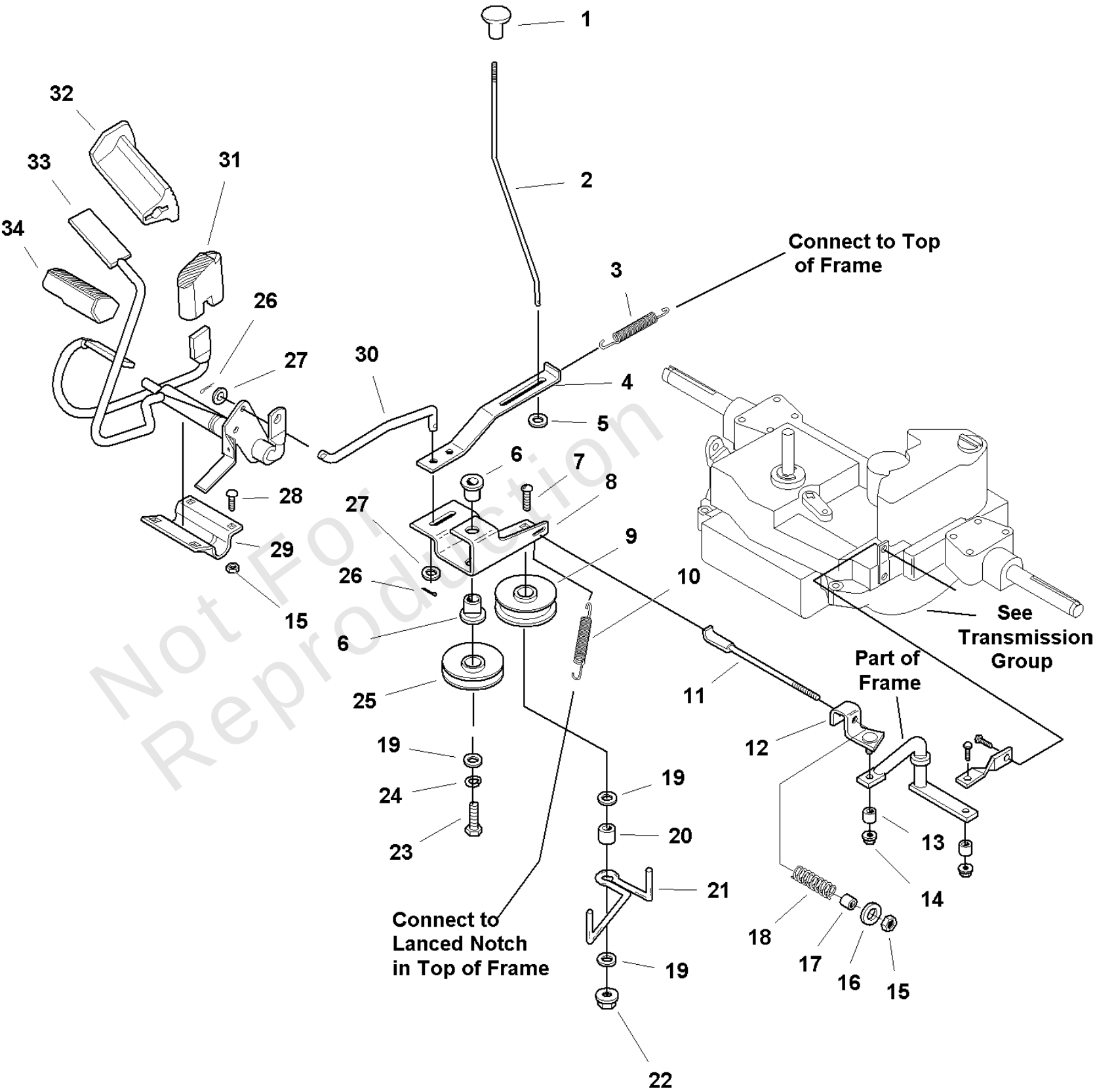
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# Controls Group

Note: Unless noted otherwise, use the standard torque specifications

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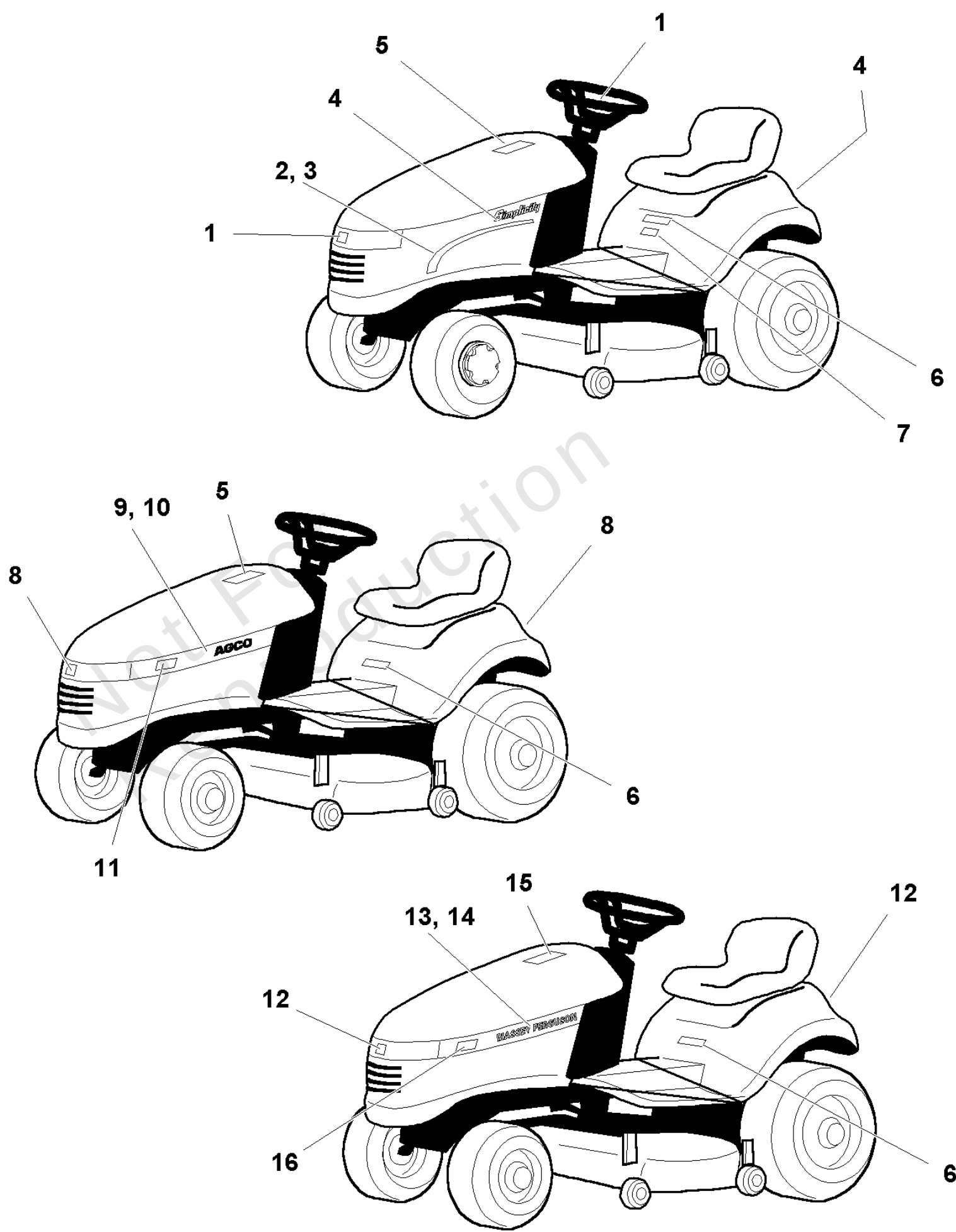
## Controls Group

| REF NO | PART NO    | QTY | DESCRIPTION                        |
|--------|------------|-----|------------------------------------|
| 1      | 1713855SM  | 1   | KNOB                               |
| 2      | 1714385SM  | 1   | ROD, Parking Brake                 |
| 3      | 2165068SM  | 1   | SPRING, Extension                  |
| 4      | 1717439SM  | 1   | LEVER, Parking                     |
| 5      | 1921319SM  | 1   | WASHER, 1/4                        |
| 6      | 1663114SM  | 2   | BUSHING, 21/32, Nylon              |
| 7      | 1931355SM  | 1   | CARRIAGE BOLT, 3/8-16 x 2-1/4      |
| 8      | 1717438SM  | 1   | ARM, Idler                         |
| 9      | 1721133SM  | 1   | PULLEY, IDLER                      |
| 10     | 1719590SM  | 1   | SPRING, Extension                  |
| 11     | 1717440SM  | 1   | ROD, Brake                         |
| 12     | 1717728SM  | 1   | GUIDE BELT & STUD ASSEMBLY         |
| 13     | 1703900SM  | 1   | SPACER                             |
| 14     | 1935048SM  | 1   | NUT, Hex Flange, 5/16-18           |
| 15     | 1919438SM  | 5   | NUT, Hex Lock, 5/16-18             |
| 16     | 1919381SM  | 1   | WASHER, 5/16                       |
| 17     | 1705249SM  | 1   | SPACER                             |
| 18     | 1708360SM  | 1   | SPRING, Compression                |
| 19     | 1924940SM  | 3   | WASHER, 5/16                       |
| 20     | 1667811SM  | 1   | SPACER                             |
| 21     | 1721276SM  | 1   | STOP, Belt                         |
| 22     | 1928352SM  | 1   | NUT, Hex Head Whiz Lock, 3/8-16    |
| 23     | 1921971SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 1-3/4 |
| 24     | 1916965SM  | 1   | LOCKWASHER, 3/8                    |
| 25     | 1721134SM  | 1   | PULLEY, Idler, 3 OD                |
| 26     | 1918451SM  | 2   | PIN, Cotter, 1/8 X 3/4             |
| 27     | 1919326SM  | 2   | WASHER, 5/16                       |
| 28     | 1931333SM  | 4   | CARRIAGE BOLT, 5/16-18 x 3/4       |
| 29     | 1713784SM  | 1   | CLAMP                              |
| 30     | 1717115SM  | 1   | ROD, Clutch                        |
| 31     | 1715835SM  | 1   | PAD, Reverse Pedal                 |
| 32     | 1704849SM  | 1   | PAD, Brake Pedal                   |
| 33     | 1720004ASM | 1   | FOOT PEDAL & BRAKE ARM ASSEMBLY    |
| 34     | 1721577SM  | 1   | PAD, Forward Pedal                 |

**Decals Group - Brand & Model**

Note: Unless noted otherwise, use the standard torque specifications

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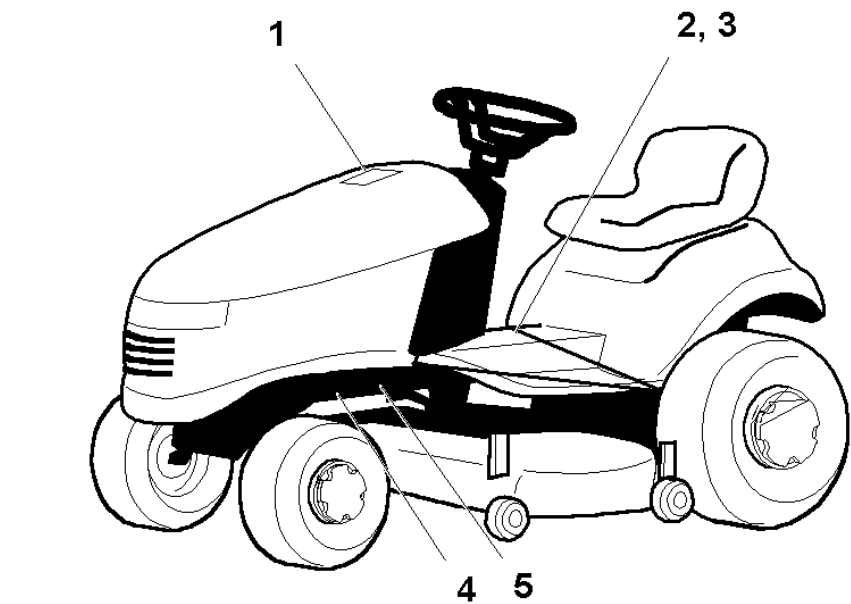
### ***Decals Group - Brand & Model***

| REF NO | PART NO   | QTY | DESCRIPTION                            |
|--------|-----------|-----|----------------------------------------|
| 1      | 1717692SM | 2   | DECAL, Simplicity Icon                 |
| 2      | 1719516SM | 1   | DECAL, Simplicity Stripe RH            |
| 3      | 1719517SM | 1   | DECAL, Simplicity Stripe LH            |
| 4      | 1722551SM | 3   | DECAL, Simplicity                      |
| 5      | 1720454SM | 1   | DECAL, Touch Up Paint                  |
| 6      | 1722549SM | 1   | DECAL, 16HP                            |
| 7      | 1722772SM | 1   | DECAL, Regent, Silver & Blue           |
| 8      | 1708926SM | 2   | DECAL, AGCO Logo                       |
| 9      | 1714363SM | 2   | DECAL, Massey Ferguson                 |
| 9      | 1722558SM | 1   | DECAL, AGCO, Hood Stripe RH            |
| 10     | 1722557SM | 1   | DECAL, AGCO, Hood Stripe LH            |
| 11     | 1722722SM | 2   | DECAL, 516                             |
| 13     | 1722728SM | 1   | DECAL, Massey Ferguson Hood Stripe RH  |
| 14     | 1722727SM | 1   | DECAL, Massey Ferguson Hood Stripe LH  |
| 15     | 1725072SM | 1   | DECAL, Touch Up Paint, Massey Ferguson |
| 16     | 1722731SM | 2   | DECAL, 2516                            |

Decals Group - Safety & Common

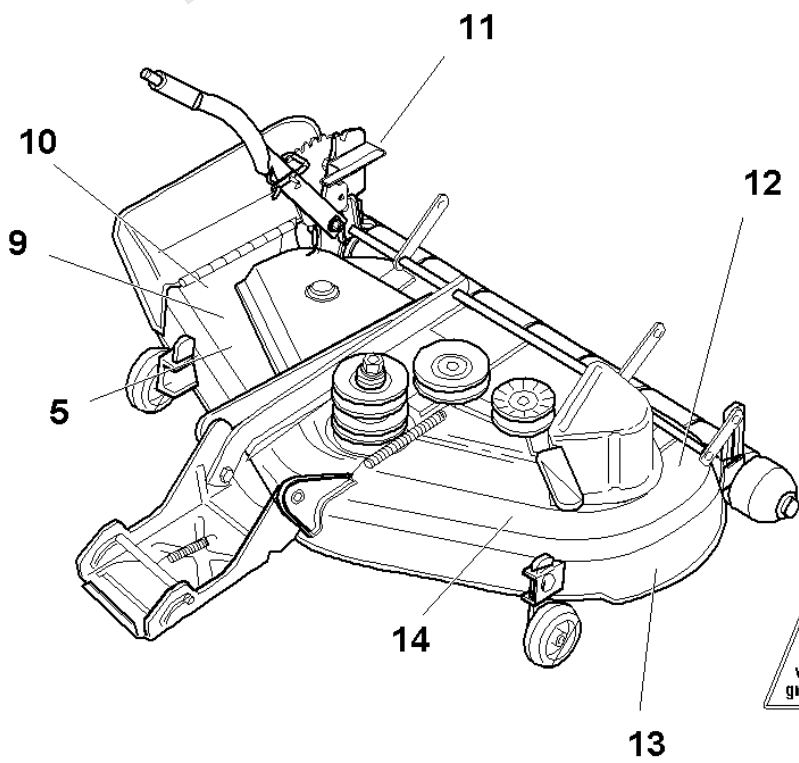
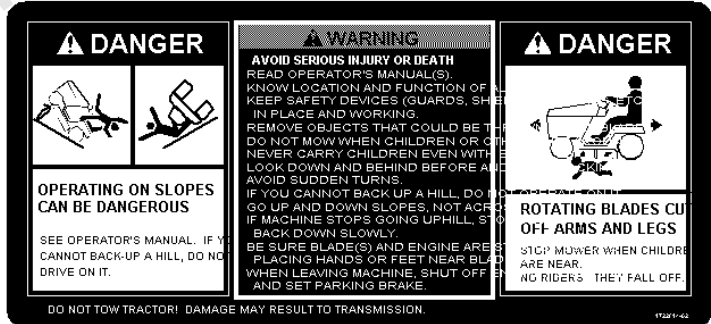
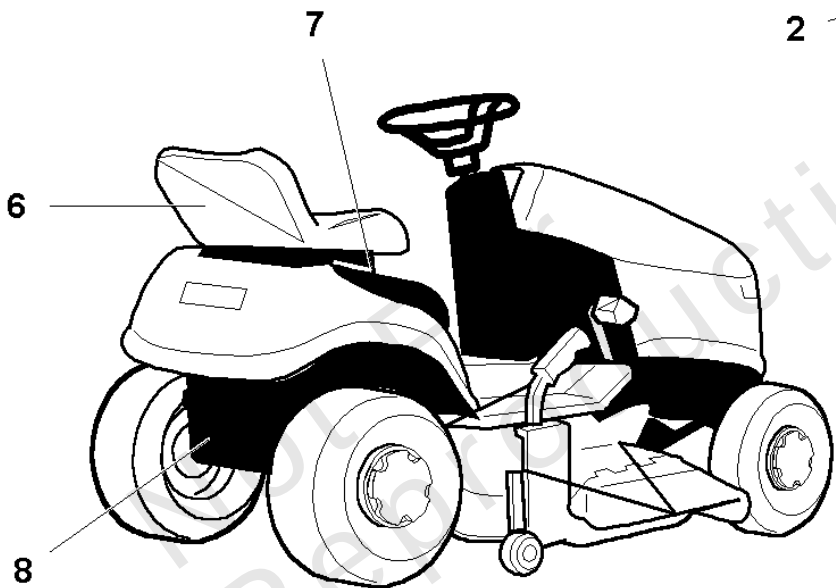
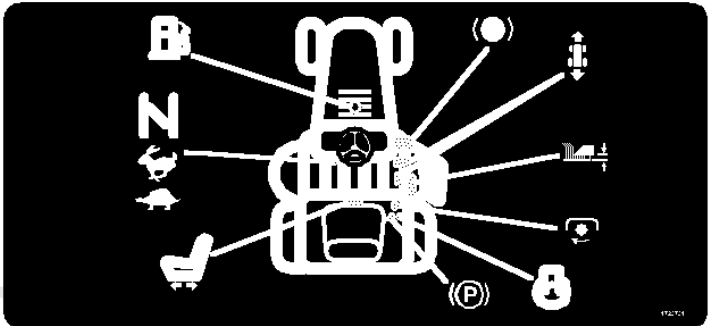
Note: Unless noted otherwise, use the standard torque specifications

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| XXXX TRACTORS<br>DRIVE BELTS & MOWER BLADES |        |
|---------------------------------------------|--------|
| Transmission Belt                           | 333333 |
| Idler                                       | 333333 |
| Mower Deck                                  |        |
| Drive Belt                                  | 333333 |
| Mower Blade - Left                          | 333333 |
| Mower Blade - Right                         | 333333 |
| 447 Blade                                   |        |
| Deck Drive Belt                             | 333333 |
| Deck Belt                                   | 333333 |
| Mower Blade                                 | 333333 |
| 447 148 333333 Drive Belt                   | 333333 |

For safety and quality, hold on, please, stay fully  
Nuts and bolts, etc. with safety, no more  
Nuts and bolts, etc. with safety, no more  
Nuts and bolts, etc. with safety, no more



## Decals Group - Safety & Common

| REF NO | PART NO   | QTY | DESCRIPTION                                     |
|--------|-----------|-----|-------------------------------------------------|
| 1      | 1725157SM | 1   | DECAL, Belts & Mower Blades                     |
| 2      | 1723731SM | 1   | DECAL, Control Locations                        |
| 3      | 1722814SM | 1   | DECAL, Safety Instructions                      |
| 3      | 1723175SM | 1   | DECAL, Safety Insrtuctions (Export) (Not Shown) |
| 4      | -----     | 1   | DECAL, Patent (Not Serviced)                    |
| 5      | -----     | 1   | DECAL, Serial Number (Not Serviced)             |
| 5      | -----     | 1   | DECAL, CE & Serial Number Export (Not Serviced) |
| 6      | 1708927   | 1   | DECAL, USA Logo                                 |
| 7      | 1719776SM | 1   | DECAL, PTO Control Symbols                      |
| 8      | 1719635SM | 1   | DECAL, Transmission Release Valve, Hydros Only  |
| 9      | 1722787SM | 1   | DECAL, 38"                                      |
| 9      | 1722789SM | 1   | DECAL, 44"                                      |
| 10     | 1704277SM | 1   | DECAL, Danger, Rotating Blades                  |
| 11     | 1720919SM | 1   | DECAL, Height of Cut                            |
| 12     | 1704276SM | 1   | DECAL-DANGER DO NOT P                           |
| 14     | -----     | 1   | DECAL, OPEI (Not Serviced)                      |
| 13     | 1722771SM | 1   | DECAL, Free Floating Mower                      |

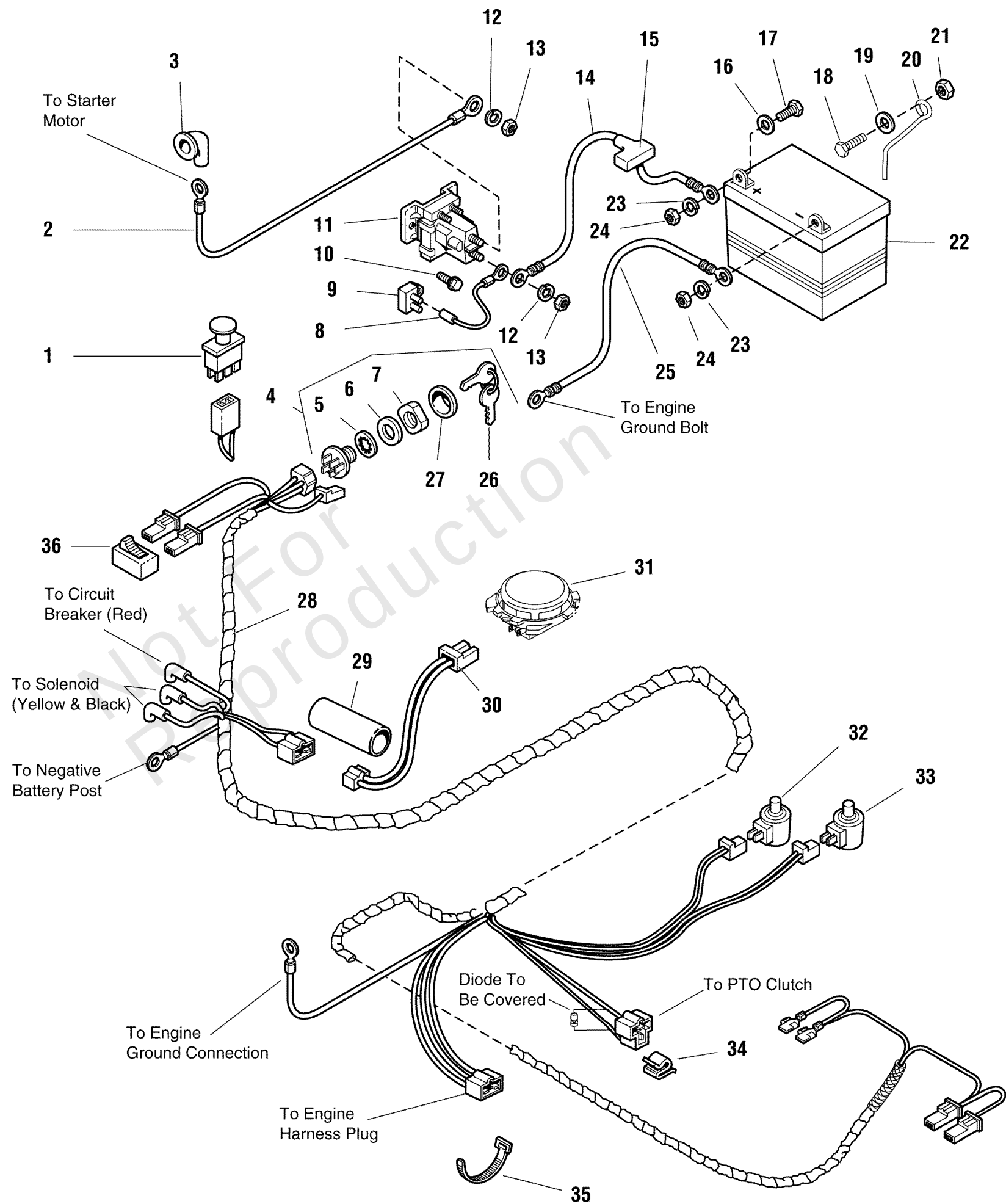
### Footnotes:

Note:\* Not a service part.

**Electrical Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



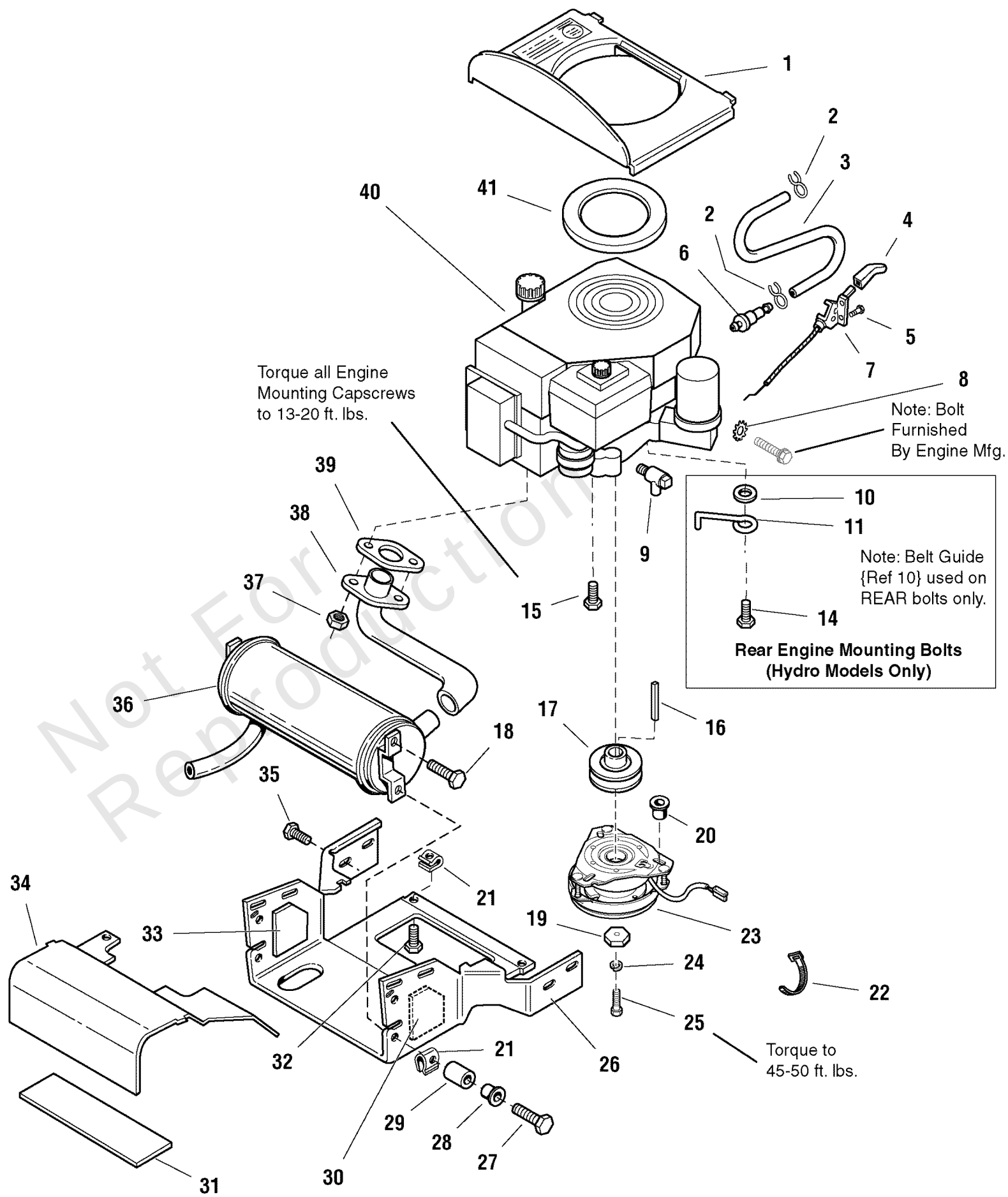
## Electrical Group

| REF NO | PART NO   | QTY | DESCRIPTION                                                                                                                                                                                                                                     |
|--------|-----------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | 1716332SM | 1   | SWITCH, PTO, Push/Pull                                                                                                                                                                                                                          |
| 2      | 1703484SM | 1   | CABLE, # 6, 42-1/2 Long                                                                                                                                                                                                                         |
| 3      | 2122023SM | 1   | COVER, Terminal                                                                                                                                                                                                                                 |
| 4      | 1686734SM | 1   | IGNITION SWITCH                                                                                                                                                                                                                                 |
| 5      | 1960547SM | 1   | LOCKWASHER-INTERNAL                                                                                                                                                                                                                             |
| 6      | 2101025SM | 1   | WASHER, 5/8                                                                                                                                                                                                                                     |
| 7      | 1717549SM | 1   | NUT, Hex Flange, 5/8-32                                                                                                                                                                                                                         |
| 8      | 1665237SM | 1   | WIRE, 12GA, 5.9 Long Red                                                                                                                                                                                                                        |
| 9      | 1665238SM | 1   | BREAKER-CIRCUIT                                                                                                                                                                                                                                 |
| 10     | 1927429SM | 2   | SCREW, Hex Washer Head Taptite, 1/4 x 5/8                                                                                                                                                                                                       |
| 11     | 1686981SM | 1   | SOLENOID, 4 Pole12Volt DC                                                                                                                                                                                                                       |
| 12     | 2820426SM | 2   | LOCKWASHER, External Tooth, 5/16                                                                                                                                                                                                                |
| 13     | 2820263SM | 2   | NUT, Hex, 5/16-24                                                                                                                                                                                                                               |
| 14     | 1716549SM | 1   | CABLE, # 6, 10 Long                                                                                                                                                                                                                             |
| 15     | 1677296SM | 1   | BOOT,INSULATOR BATTER                                                                                                                                                                                                                           |
| 16     | 2821319SM | 2   | WASHER, 1/4                                                                                                                                                                                                                                     |
| 17     | 2823341SM | 2   | CAPSCREW, Hex Head, 1/4 x 3/4                                                                                                                                                                                                                   |
| 18     | 1921332SM | 1   | CAPSCREW, Hex Head, 5/16-18 x 3/4                                                                                                                                                                                                               |
| 19     | 1919326SM | 1   | WASHER, 5/16                                                                                                                                                                                                                                    |
| 20     | 1723048SM | 1   | ROD, Battery Hold Down                                                                                                                                                                                                                          |
| 21     | 1919438SM | 1   | NUT, Hex Lock ESNAL, 5/16-18                                                                                                                                                                                                                    |
| 22     | 1685215SM | 1   | BATTERY,12V                                                                                                                                                                                                                                     |
| 23     | 2816964SM | 2   | LOCKWASHER, 1/4                                                                                                                                                                                                                                 |
| 24     | 2816622SM | 2   | NUT, Hex, 1/4-20                                                                                                                                                                                                                                |
| 25     | 1723109SM | 1   | CABLE, # 6, 52-1/2 Long                                                                                                                                                                                                                         |
| 26     | 1717163SM | 2   | KEY-IGNITION INDAK                                                                                                                                                                                                                              |
| 27     | 1717550SM | 1   | COVER, Ignition Switch                                                                                                                                                                                                                          |
| 28     | 1724875SM | 1   | WIRE ASSEMBLY, Main Harness                                                                                                                                                                                                                     |
| 29     | 1715014SM | 1   | SHRINK TUBE                                                                                                                                                                                                                                     |
| 30     | 1715010SM | 1   | WIRE ASSEMBLY, 16GA, 16 Long                                                                                                                                                                                                                    |
| 31     | 1714771SM | 1   | SWITCH, Seat, Gray Switch, Gray Retainer<br>-(Regent 16HP Domestic - SERIAL NO. 09000-11368 & Regent 16HP Export -<br>SERIAL NO. 09000-09035, 516H 16HP Domestic - SERIAL NO. 09000-09034 &<br>2516H 16HP Export - SERIAL NO. 09000-09004 Only) |
| 31     | 1718981SM | 1   | SWITCH, Seat, Gray Switch, Black Retainer                                                                                                                                                                                                       |
| 32     | 1720411SM | 1   | SWITCH, Push, Black                                                                                                                                                                                                                             |
| 33     | 1720401SM | 1   | SWITCH, Push, Grey                                                                                                                                                                                                                              |
| 34     | 2834683SM | 2   | CLIP, Wire                                                                                                                                                                                                                                      |
| 35     | 1701011SM | 2   | TIE, Wire                                                                                                                                                                                                                                       |
| 36     | 1703799SM | 1   | SWITCH, HEADLIGHT                                                                                                                                                                                                                               |

**Engine Group - Electric Clutch - 16HP Kohler**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



## Engine Group - Electric Clutch - 16HP Kohler

| REF NO | PART NO   | QTY | DESCRIPTION                                      |
|--------|-----------|-----|--------------------------------------------------|
| 1      | 1686918SM | 1   | DUCT, Air                                        |
| 2      | 2860112SM | 2   | CLAMP, Hose Type E                               |
| 3      | 1727209SM | 1   | HOSE, Fuel 13.5"                                 |
| 4      | 1715897SM | 1   | KNOB                                             |
| 5      | 1960498SM | 2   | CAPSCREW, Hex Washer Head, 1/4-14 x 5/8          |
| 6      | 2173206SM | 1   | FUEL FILTER                                      |
| 7      | 1687058SM | 1   | CABLE, Control Throttle, 14"                     |
| 8      | 2820427SM | 1   | LOCKWASHER, External Tooth, 3/8                  |
| 9      | 1708405SM | 1   | VALVE, Shut Of                                   |
| 10     | 1933263SM | 2   | WASHER, 7/16                                     |
| 11     | 1704419SM | 2   | STOP, Belt                                       |
| 14     | 1928635SM | 2   | CAPSCREW, Hex Taptite 3/8-16 x 1.25              |
| 15     | 1960405SM | 2   | CAPSCREW, M08-1.25 x 30MM                        |
| 16     | 2805100SM | 1   | KEY                                              |
| 17     | 1723497SM | 1   | PULLEY                                           |
| 18     | 1929000SM | 2   | CAPSCREW, Hex Washer Head Taptite, 1/4-20 x 3/8  |
| 19     | 1708264SM | 1   | WASHER, HEX, 0.453ID                             |
| 20     | 1708537SM | 1   | SLEEVE, Clutch Anchor                            |
| 21     | 1935255SM | 4   | NUT, SPEED, 5/16-18 L                            |
| 22     | 1701011SM | 1   | TIE, Wire                                        |
| 23     | 1686880SM | 1   | CLUTCH, Electric                                 |
| 24     | 1918199SM | 1   | LOCKWASHER, 7/16                                 |
| 25     | 2860631SM | 1   | CAPSCREW, 7/16-20 x 3                            |
| 26     | 1726976   | 1   | DUCT, Muffler Lower                              |
| 27     | 1930595SM | 2   | CAPSCREW, Hex Head Flange Lock, 5/16-18 x 1-1/4  |
| 28     | 1705248SM | 2   | PIVOT                                            |
| 29     | 1705249SM | 2   | SPACER                                           |
| 30     | 1723337SM | 1   | INSULATION, LH                                   |
| 31     | 1723336SM | 1   | INSULATION, Foam, 6 x 11-3/8                     |
| 32     | 1930591SM | 2   | CAPSCREW, Hex Head Flange Lock, 5/16-18 x 3/4    |
| 33     | 1723338SM |     | INSULATION, RH                                   |
| 34     | 1723085SM | 1   | DUCT, Muffler Upper                              |
| 34     | 1723085A  | 1   | DUCT, Muffler Upper, (Export)                    |
| 35     | 1924856SM | 4   | CAPSCREW, Hex Washer Head Taptite, 5/16-18 x 1/2 |
| 36     | 1717429SM | 1   | MUFFLER (Domestic)                               |
| 36     | 1723408SM | 1   | MUFFLER (Export)                                 |
| 37     | -----     | 4   | NUT                                              |
| 38     | 1717430SM | 1   | PIPE, Manifold                                   |
| 39     | -----     | 1   | GASKET                                           |
| 40     | -----     | 1   | ENGINE, 16HP Kohler CV460, PA 26507              |
| 41     | 1715586SM | 1   | SEAL, Ring                                       |

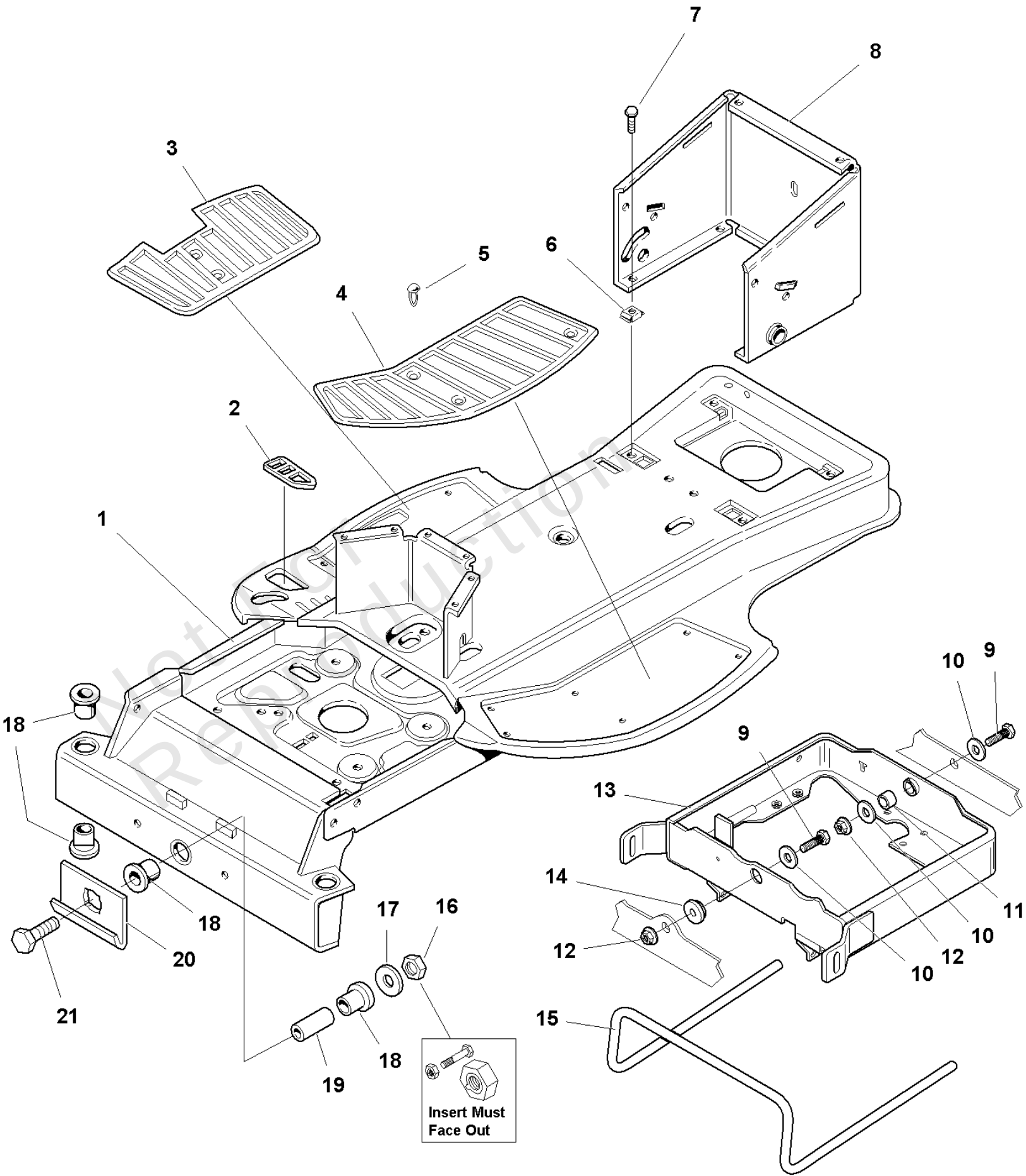
### Footnotes:

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

**Frame Group**

Note: Unless noted otherwise, use the standard torque specifications

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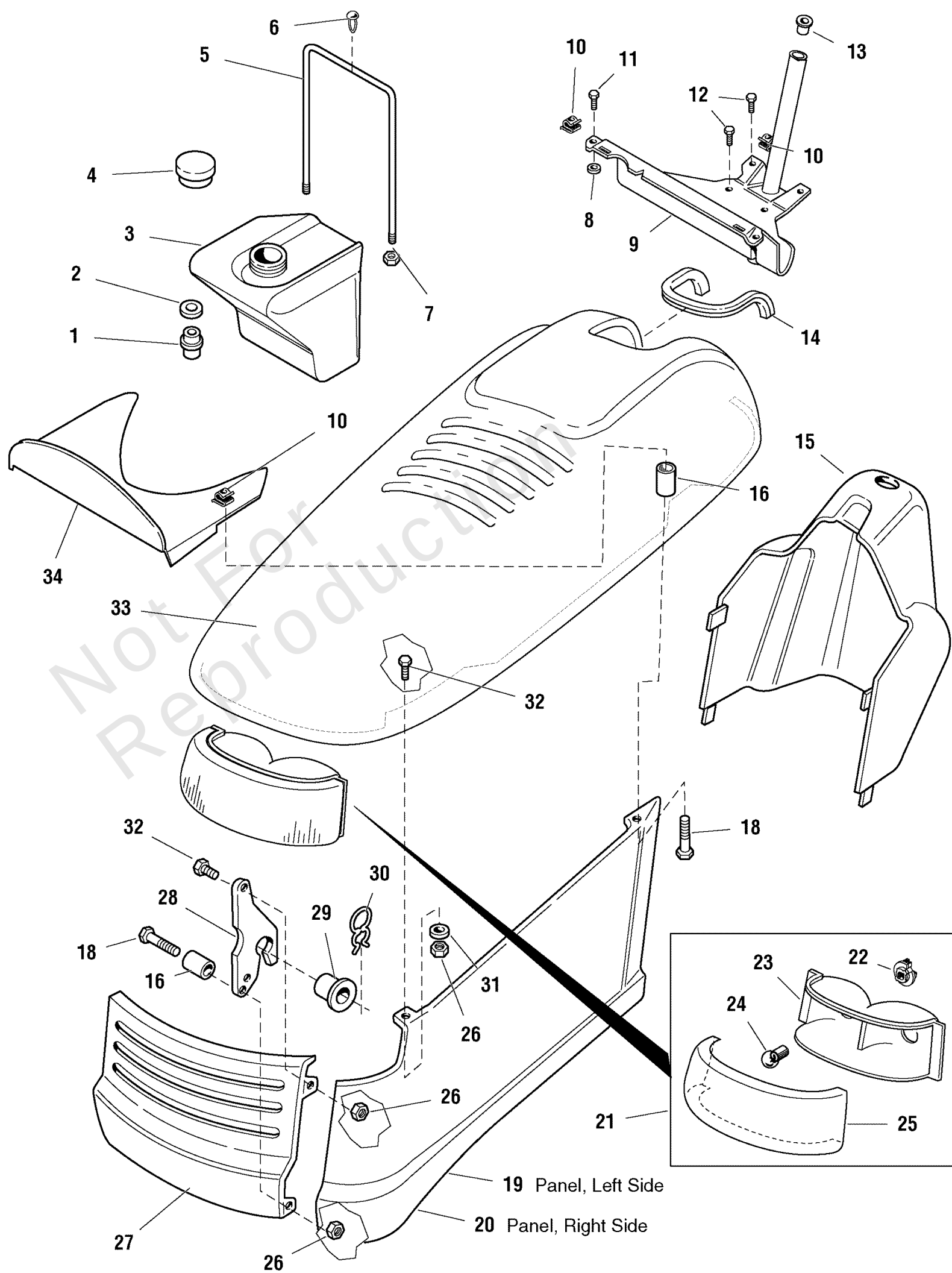
## Frame Group

| REF NO | PART NO   | QTY | DESCRIPTION                                   |
|--------|-----------|-----|-----------------------------------------------|
| 1      | 1724393SM | 1   | FRAME ASSEMBLY                                |
| 2      | 1715015SM | 1   | PLUG, Hole                                    |
| 3      | 1714418SM | 1   | PAD, Footrest RH                              |
| 4      | 1714417SM | 1   | PAD, Footrest LH                              |
| 5      | 1704351SM | 12  | FASTENER, Panel                               |
| 6      | 1935255SM | 4   | NUT, SPEED, 5/16-18 L                         |
| 7      | 1930591SM | 4   | CAPSCREW, Hex Head Flange Lock, 5/16-18 x 3/4 |
| 8      | 1723021A  | 1   | WRAPPER ASSEMBLY, Hydro                       |
| 9      | 1920328SM | 2   | CAPSCREW, Hex, 1/2-13 x 1-1/2                 |
| 10     | 1918431SM | 3   | WASHER, 1/2                                   |
| 11     | 1709235SM | 1   | SPACER                                        |
| 12     | 1930644SM | 2   | NUT-HEX FLANGE 1/2-1                          |
| 13     | 1726768   | 1   | CARRIER ASSEMBLY, Hydro                       |
| 14     | 1717286SM | 1   | SPACER                                        |
| 15     | 1717424SM | 1   | BAR, Torsion                                  |
| 16     | 2860681SM | 1   | NUT, Hex Flange, 3/8-16                       |
| 17     | 1924356SM | 1   | WASHER, 3/8                                   |
| 18     | 2176440SM | 6   | BUSHING-0.765IDX                              |
| 19     | 1719868SM | 1   | SPACER                                        |
| 20     | 1719869A  | 1   | "J" HOOK, Hitch                               |
| 21     | 1960614SM | 1   | CAPSCREW, Hex Head, 3/8-16 x 3, G8            |

***Hood, Dash & Fuel Tank Group***

Note: Unless noted otherwise, use the standard torque specifications

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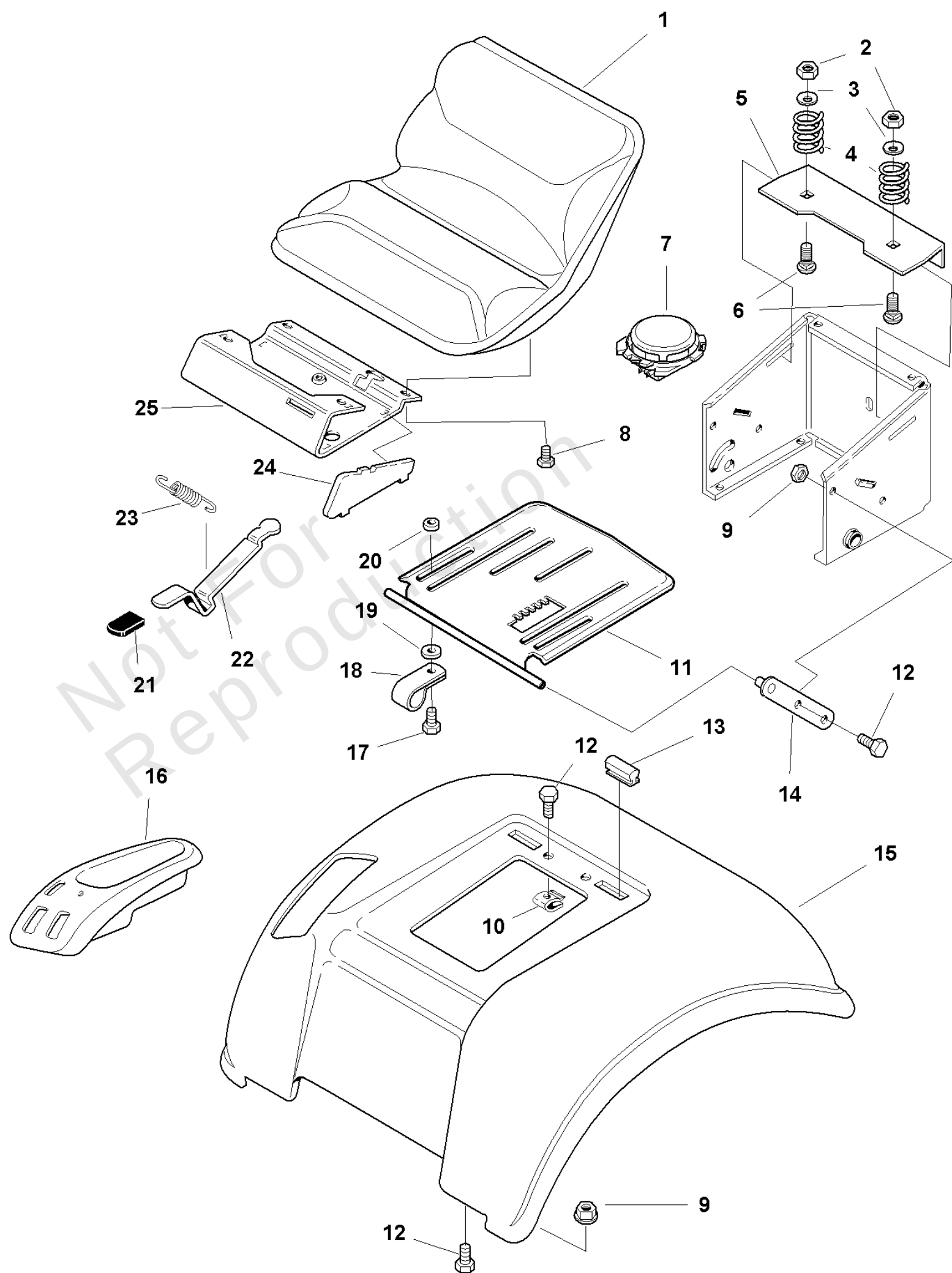
## Hood, Dash & Fuel Tank Group

| REF NO | PART NO    | QTY | DESCRIPTION                                             |
|--------|------------|-----|---------------------------------------------------------|
| 1      | 1674792SM  | 1   | FITTING, with Screen                                    |
| 2      | 1726400SM  | 1   | BUSHING                                                 |
| 3      | 1687047SM  | 1   | TANK, Fuel                                              |
| 4      | 1714020SM  | 1   | CAP, Fuel                                               |
| 5      | 1715044SM  | 1   | STRAP                                                   |
| 6      | 1704351SM  | 1   | FASTENER, Panel                                         |
| 7      | 1919438SM  | 2   | NUT, Hex Lock ESNA light, 5/16-18                       |
| 8      | 1960353SM  | A/R | WASHER, 1/4<br>-A/R as required.                        |
| 9      | 1719945SM  | 1   | BULKHEAD & TUBE ASSEMBLY                                |
| 10     | 1960368SM  | 6   | NUT, Speed                                              |
| 11     | 1722737SM  | 4   | CAPSCREW, Hex Washer Head Taptite, 1/4-20 x 1/2         |
| 12     | 1925003SM  | 4   | CAPSCREW, Hex Washer Head Taptite, 1/4-20 x 1/2         |
| 13     | 2176440SM  | 1   | BUSHING-0.765IDX                                        |
| 14     | 1715495SM  | 2   | MOLDING                                                 |
| 15     | 1687057SM  | 1   | DASHBOARD                                               |
| 16     | 1710703SM  | 4   | SPACER, 3/8 x 1/2 x 5/8                                 |
| 18     | 1922837SM  | 4   | CAPSCREW, Hex Head, 1/4-20 x 1-1/2                      |
| 19     | 1714350SM  | 1   | PANEL, Hood, LH, Orange                                 |
| 19     | 1729521SM  | 1   | PANEL, Hood, LH, Red                                    |
| 20     | 1714351SM  | 1   | PANEL, Hood, RH, Orange                                 |
| 20     | 1729522SM  | 1   | PANEL, Hood, RH, Red                                    |
| 21     | 1714353SM  | 1   | HEADLIGHT ASSEMBLY, (Includes Ref. Nos. 22, 23, 24, 25) |
| 22     | 1714787SM  | 2   | SOCKET, Headlight                                       |
| 23     | 1714353SM  | 1   | BEZEL, Headlight                                        |
| 24     | 1677371SM  | 2   | BULB-HEADLIGHT 1                                        |
| 25     | 1714785SM  | 1   | LENS, Headligh                                          |
| 26     | 1920397SM  | 6   | NUT, Hex Lock ESNA light, 1/4-20                        |
| 27     | 1714352CSM | 1   | GRILLE, Orange                                          |
| 27     | 1714352DSM | 1   | GRILLE, Red                                             |
| 28     | 1714875A   | 2   | HINGE                                                   |
| 29     | 1704626SM  | 2   | SPACER                                                  |
| 30     | 1704628SM  | 2   | PIN, Quick                                              |
| 31     | 1921319SM  | 2   | WASHER, 1/4                                             |
| 32     | 1960295SM  | 4   | CAPSCREW, Hex Head Flange Lock, 1/4-20 x 5/8            |
| 33     | 1719483C   | 1   | HOOD, Orange                                            |
| 33     | 1719483D   | 1   | HOOD, Red                                               |
| 34     | 1723127ASM | 1   | DUCT, Cooling                                           |

**Seat & Seat Deck Group**

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



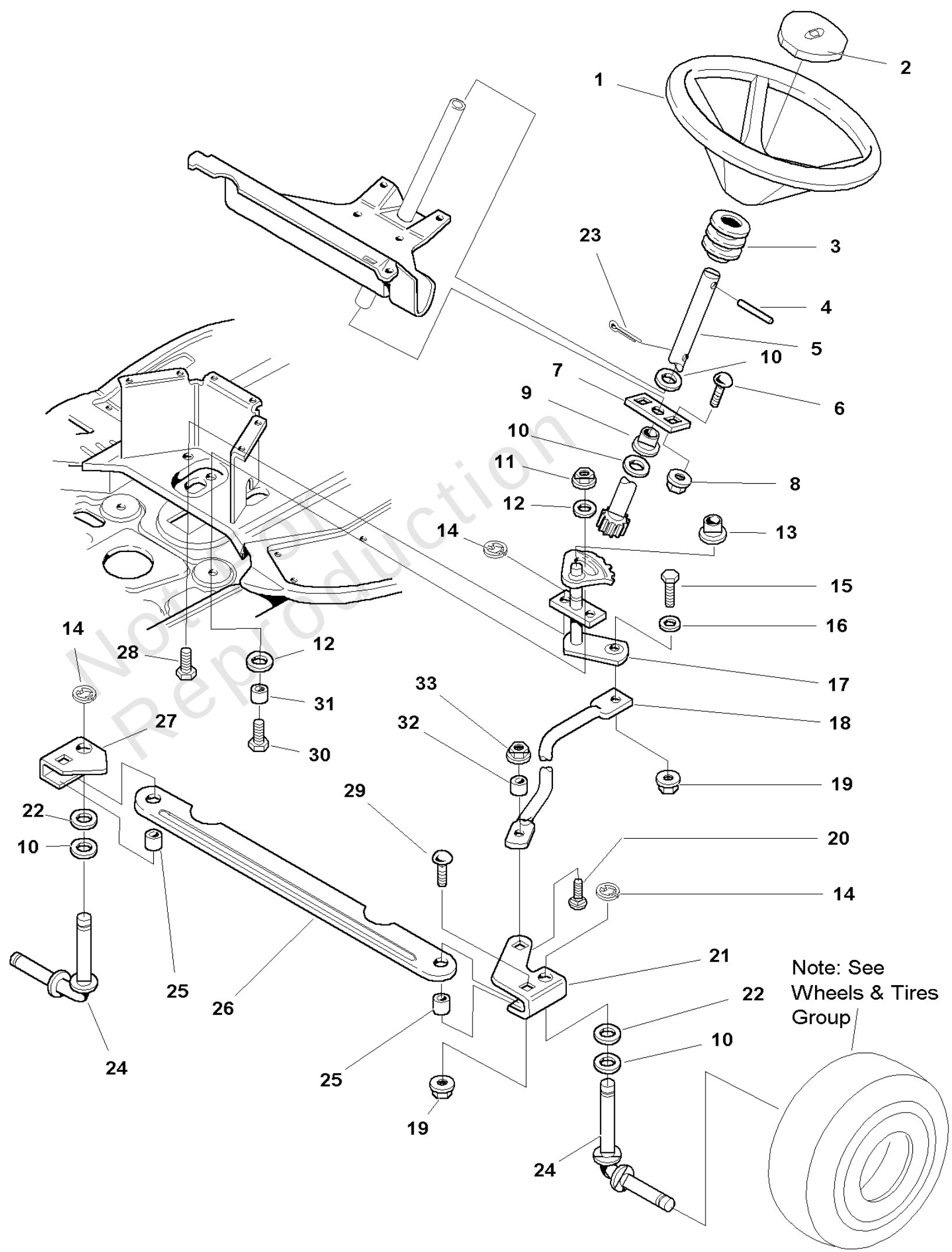
## Seat & Seat Deck Group

| REF NO | PART NO   | QTY | DESCRIPTION                                                                          |
|--------|-----------|-----|--------------------------------------------------------------------------------------|
| 1      | 1687020SM | 1   | MILSCO SEAT SERVICE K<br>-Optional arm rest kit available under Part Number 1686796. |
| 2      | 1919438SM | 2   | NUT, Hex Nylon Lock, 5/16-18                                                         |
| 3      | 1709256SM | 2   | WASHER, Spring, 5/16 x 1 1/4                                                         |
| 4      | 1704728SM | 2   | SPRING, Seat                                                                         |
| 5      | 1715768A  | 1   | PLATE, Spring Support                                                                |
| 6      | 1931333SM | 2   | CARRIAGE BOLT, 5/16-18 x 3/4                                                         |
| 7      | 1718981SM | 1   | SWITCH, Seat, Used with Seat P/N 1721702                                             |
| 8      | 1931648SM | 4   | CAPSCREW, Hex Head Whiz Lock, 5/16-18 x 1/2                                          |
| 9      | 1931277SM | 4   | NUT, Hex Flange Whiz-Lock, 5/16-18                                                   |
| 10     | 1935255SM | 2   | NUT, SPEED, 5/16-18 L                                                                |
| 11     | 1718985SM | 1   | PAN, Seat                                                                            |
| 12     | 1930591SM | 8   | CAPSCREW, Hex Head Whiz Lock, 5/16-18 x 3/4                                          |
| 13     | 1713794SM | 2   | STOP, Rubber Seat                                                                    |
| 14     | 1713758SM | 2   | BAR, Seat Pivot                                                                      |
| 15     | 1714317C  | 1   | SEAT DECK, Orange                                                                    |
| 15     | 1714317D  | 1   | SEAT DECK, Red                                                                       |
| 16     | 1714542SM | 1   | CONTROL POD, Hydro                                                                   |
| 17     | 1960086SM | 3   | SCREW, TRUSS HD TORX                                                                 |
| 18     | 1708008SM | 1   | CLAMP, Wire (Middle Bolt Only)                                                       |
| 19     | 1919326SM | 3   | WASHER, 5/16                                                                         |
| 20     | 1666697SM | 3   | SPACER                                                                               |
| 21     | 1715047SM | 1   | CAP, Seat Adjust                                                                     |
| 22     | 1713597SM | 1   | LEVER, Seat Latch                                                                    |
| 23     | 2159106SM | 1   | SPRING, Extension                                                                    |
| 24     | 1714318SM | 2   | SIDE PANEL, Seat Slide                                                               |
| 25     | 1713595SM | 1   | SLIDE, Seat                                                                          |

# Steering Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



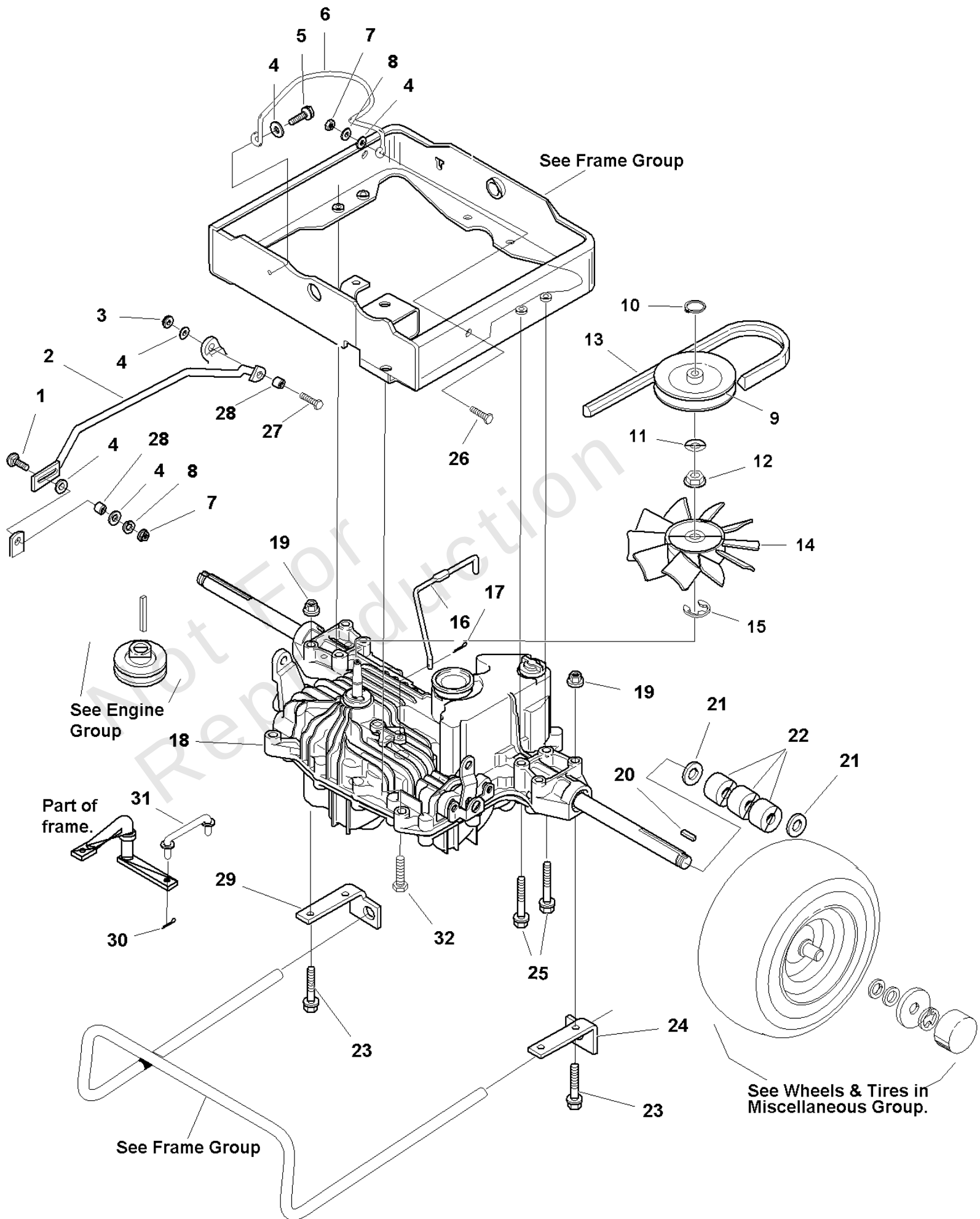
## Steering Group

| REF NO | PART NO    | QTY | DESCRIPTION                                              |
|--------|------------|-----|----------------------------------------------------------|
| 1      | 1722738SM  | 1   | STEERING WHEEL                                           |
| 2      | 1722319SM  | 1   | CAP, Steering Wheel, Simplicity<br>-(Decal Not Included) |
| 3      | 1714400SM  | 1   | TUBE, Cover                                              |
| 4      | 1960540SM  | 1   | PIN, Spring                                              |
| 5      | 1723051SM  | 1   | SHAFT & PINION ASSEMBLY                                  |
| 6      | 1931350SM  | 2   | BOLT, RD HD SH SQ NK                                     |
| 7      | 1703508ASM | 1   | PLATE, Mounting                                          |
| 8      | 1928352SM  | 2   | NUT, Hex Whiz Lock, 3/8-16                               |
| 9      | 2176440SM  | 1   | BUSHING-0.765IDX                                         |
| 10     | 1960114SM  | 5   | WASHER, 3/4                                              |
| 11     | 1919438SM  | 1   | NUT, Hex Lock, 5/16-18                                   |
| 12     | 1933468SM  | 2   | WASHER, 5/16                                             |
| 13     | 1666001SM  | 2   | BUSHING, 3/4, Powered Metal                              |
| 14     | 1611710SM  | 4   | RING, Clipring Extension                                 |
| 15     | 1920415SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 1-1/4                       |
| 16     | 1922611SM  | 1   | WASHER, 3/8                                              |
| 17     | 1723072ASM | 1   | SHAFT & GEAR ASSEMBLY                                    |
| 18     | 1713469SM  | 1   | LINK, 19.66" Long                                        |
| 19     | 1930645SM  | 3   | NUT, Hex Flange Lock, 3/8-16                             |
| 20     | 1931335SM  | 1   | BOLT, Carriage, Short Neck, 5/16-18 x 1                  |
| 21     | 1721472ASM | 1   | ARM & SPACER ASSEMBLY, LH Splined                        |
| 22     | 1960160SM  | 1   | WASHER, 3/4                                              |
| 23     | 1919314SM  | 1   | PIN, Cotter                                              |
| 24     | 1721542SM  | 2   | SPINDLE & CUP ASSEMBLY                                   |
| 25     | 1713791SM  | 2   | SPACER                                                   |
| 26     | 1722484A   | 1   | ROD, Tie                                                 |
| 27     | 1721473ASM | 1   | ARM & SPACER ASSEMBLY, RH Splined                        |
| 28     | 1664847SM  | 2   | CAPSCREW, Hex Head Taptite, 5/16-18 x 3/4                |
| 29     | 1960268SM  | 2   | CARRIAGE BOLT, 3/8-16 x 1-1/4                            |
| 30     | 1921221SM  | 1   | CAPSCREW, Hex Head, 5/16-18 x 1-1/2                      |
| 31     | 1673796SM  | 1   | SPACER                                                   |
| 32     | 1710437SM  | 1   | SPACER                                                   |
| 33     | 1935048SM  | 1   | NUT, Hex Flange Lock, 5/16-18                            |

# Transmission Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



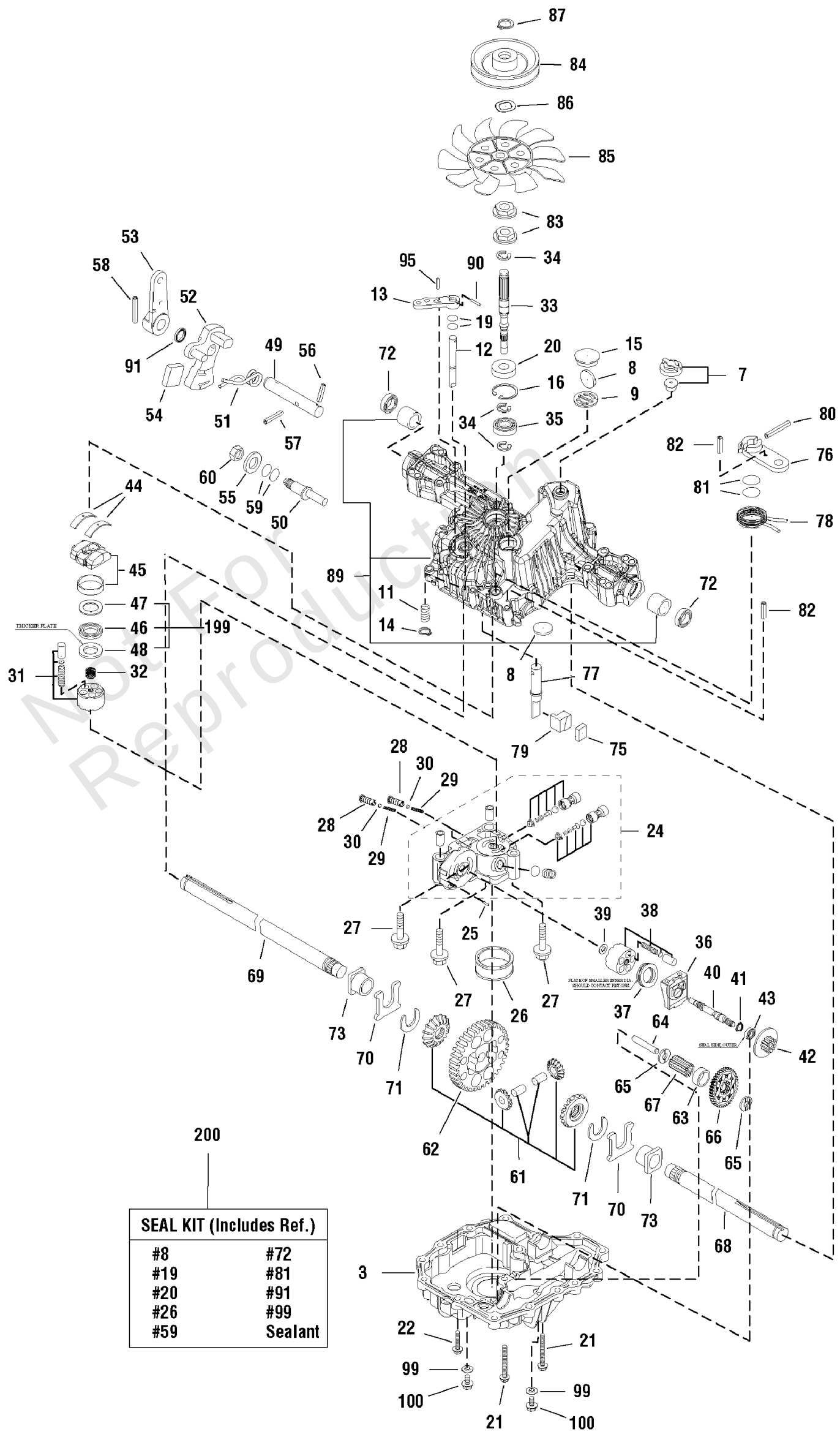
## Transmission Group

| REF NO | PART NO   | QTY | DESCRIPTION                                        |
|--------|-----------|-----|----------------------------------------------------|
| 1      | 1931335SM | 1   | BOLT, Carriage, Short Neck, 5/16-18 x 1            |
| 2      | 1721097SM | 1   | ROD, Hydro Control                                 |
| 3      | 1919438SM | 1   | NUT, Hex Lock ESNA Light, 5/16-18                  |
| 4      | 1919326SM | 5   | WASHER, 5/16                                       |
| 5      | 1960541SM | 1   | CAPSCREW, Hex Head Taptite, 5/16-18 x 3/4          |
| 6      | 1721007SM | 1   | STOP, Belt                                         |
| 7      | 1917372SM | 2   | NUT, Hex 5/16-18                                   |
| 8      | 1917356SM | 2   | LOCKWASHER, 5/16                                   |
| 9      | 1724313SM | 1   | PULLEY                                             |
| 10     | 1724316SM | 1   | SNAP RING                                          |
| 11     | 1724315SM | 1   | LOCKWASHER                                         |
| 12     | 1724312SM | 1   | SPLINE COLLAR                                      |
| 13     | 1721130SM | 1   | V-BELT, Drive                                      |
| 14     | 1724314SM | 1   | FAN                                                |
| 15     | 1718076SM | 3   | "E" RING                                           |
| 16     | 1721005SM | 1   | ROD, Hydro Bypass                                  |
| 17     | 1918447SM | 1   | PIN, Cotter                                        |
| 18     | 1686876SM | 1   | TRANSMISSION ASSEMBLY                              |
| 19     | 1931277SM | 4   | NUT, Hex Flange, 5/16-18                           |
| 20     | 1717749SM | 2   | KEY, 3/16 x 2                                      |
| 21     | 2860202SM | 4   | WASHER, 3/4                                        |
| 22     | 1717451SM | 6   | SPACER                                             |
| 23     | 1960586SM | 4   | CAPSCREW, Hex Head, 5/16-18 x 2-1/2                |
| 24     | 1717427A  | 1   | ANCHOR, Torsion Bar, LH                            |
| 25     | 2860551SM | 4   | CAPSCREW, Hex Washer Head Taptite, 5/16-18 x 2-1/2 |
| 26     | 703570    | 1   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4                |
| 27     | 1921977SM | 1   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4                |
| 28     | 1703900SM | 2   | SPACER                                             |
| 29     | 1717428A  | 1   | ANCHOR, Torsion Bar, RH                            |
| 30     | 1918451SM | 2   | PIN, Cotter                                        |
| 31     | 1720998SM | 1   | ROD, Brake                                         |
| 32     | 1960585SM | 1   | CAPSCREW, Hex Head, 5/16-18 x 1-3/4                |

Transmission SERVICE PARTS - Tuff Torq K46Z (1721020)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



**Transmission SERVICE PARTS - Tuff Torq K46Z (1721020)**

| REF NO | PART NO   | QTY | DESCRIPTION                  |
|--------|-----------|-----|------------------------------|
| 3      | -----     | 1   | *LOWER HOUSING               |
| 7      | 1718052SM | 1   | VENT VALVE 15                |
| 8      | 1724279SM | 2   | MAGNET                       |
| 9      | -----     | 1   | *HOLDER MAGNET               |
| 11     | 1725730SM | 1   | SPRING 25                    |
| 12     | 1724281SM | 1   | BYPASS SHAFT A               |
| 13     | 1720418SM | 1   | LEVER, Bypass                |
| 14     | 1718061SM | 1   | RING, Snap, 10               |
| 15     | 1724282SM | 1   | SEALING CAP, 30              |
| 16     | 1708650SM | 1   | RING, Snap, C 35             |
| 19     | 1708691SM | 2   | O-RING, 1A P10A              |
| 20     | 1708651SM | 1   | SEAL TC 153507               |
| 21     | 1707789SM | 14  | SCREW, Tapping, 8 * 30       |
| 22     | -----     | 2   | *SCREW, Tapping, 8*55        |
| 24     | 1724351SM | 1   | CENTER CASE E CMP            |
| 25     | 1718070SM | 1   | PIN, 3 * 9.8                 |
| 26     | 1718071SM | 1   | FILTER K50 SNP               |
| 27     | 1720805SM | 3   | BOLT, 10 * 75                |
| 28     | -----     | 2   | *IDS VALVE 1.0               |
| 29     | 1724287SM | 2   | IDS SPRING                   |
| 30     | -----     | 2   | *BALL 3/16                   |
| 31     | 1718079SM | 1   | KIT, Cylinder Block          |
| 32     | 1724290SM | 1   | SPRING                       |
| 33     | 1724291SM | 1   | PUMP SHAFT                   |
| 34     | 1718076SM | 3   | E-RING, 15                   |
| 35     | 1718083SM | 1   | BEARING, 6202UC3             |
| 36     | 1718077SM | 1   | MOTOR HOUSING                |
| 37     | 1718078SM | 1   | BEARING, Motor Thrust, 51106 |
| 38     | -----     | 1   | *CYLINDER BLOCK              |
| 39     | 1718084SM | 1   | WASHER, 12 * 24 * 1          |
| 40     | 1724293SM | 1   | SHAFT MOTOR                  |
| 41     | 1708672SM | 1   | RING, Snap, S15              |
| 42     | 1724294SM | 1   | BRAKE DISC/MOTOR GEAR (11T)  |
| 43     | 1718083SM | 1   | BEARING, 6202UC3             |
| 44     | 1718089SM | 2   | THRUST METAL                 |
| 45     | 1720426SM | 1   | SWASH PLATE ASSEMBLY         |
| 46     | 1718086SM | 1   | THRUST BEARING K81105        |
| 47     | 1718088SM | 1   | THRUST PLATE, B              |
| 48     | 1718087SM | 1   | THRUST PLATE, A              |
| 49     | -----     | 1   | *CONTROL SHAFT               |
| 50     | -----     | 1   | *FULCRUM (ECCENTRICIT        |
| 51     | 1724345SM | 1   | SPRING, Torsion, Standard    |
| 52     | 1724346SM | 1   | LEVER, Control               |
| 53     | 1724347SM | 1   | CONTROL LEVER C              |
| 54     | 1724348SM | 1   | JERKY PLATE                  |
| 55     | 1708689SM | 1   | WASHER, 12                   |
| 56     | 1724311SM | 1   | SPRING PIN 4 * 16            |
| 57     | 1724349SM | 1   | COTTER PIN, 1/8 * 3/4        |

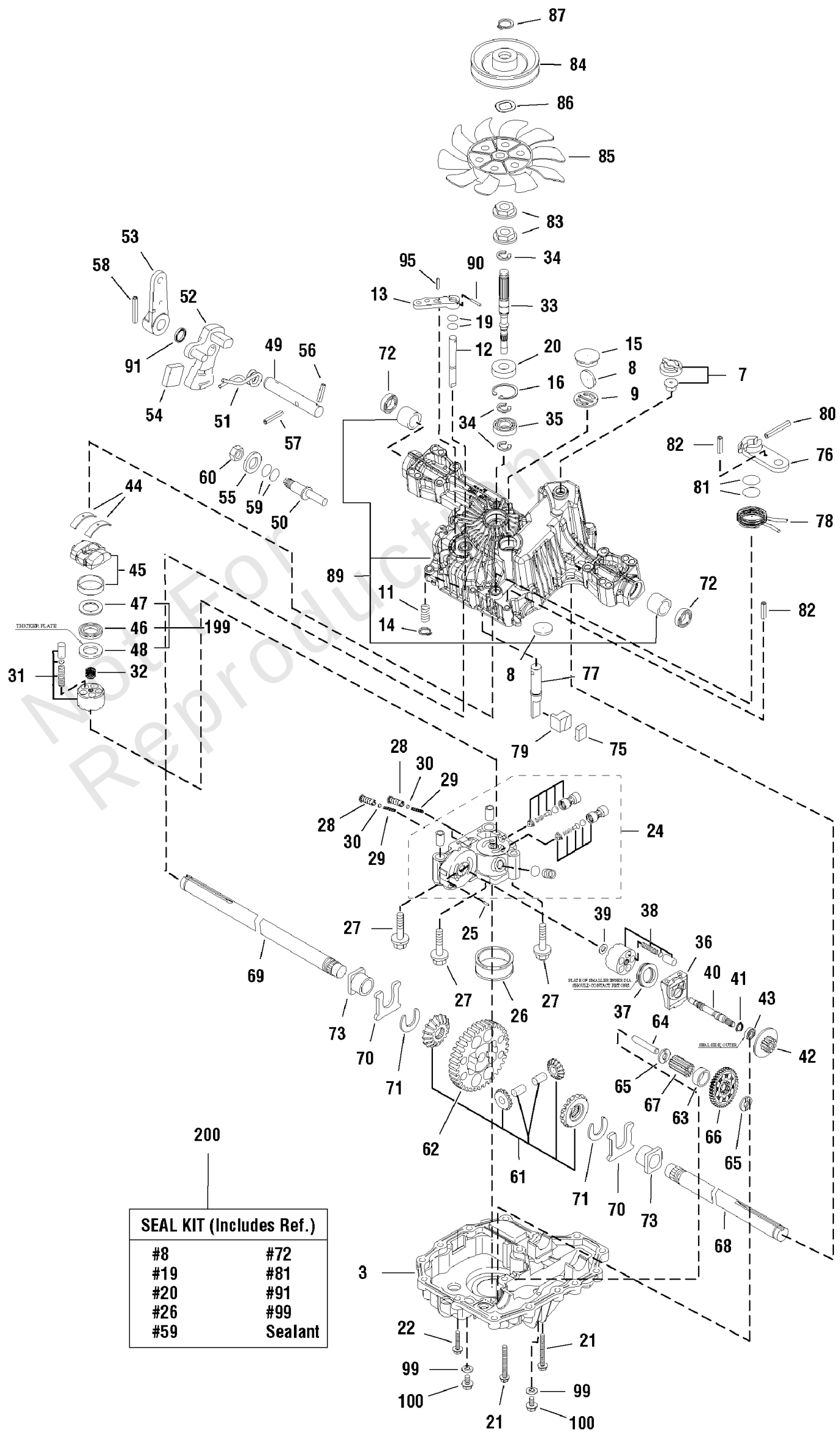
**Footnotes:**

Note:\* See your local authorized dealership for parts and warranty or contact Tuff Torq at [www.tufftorqservices.com](http://www.tufftorqservices.com) (U.S. 1-866-572-3441 Int'l 01-423-585-1977)

Transmission SERVICE PARTS - Tuff Torq K46Z (1721020)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935

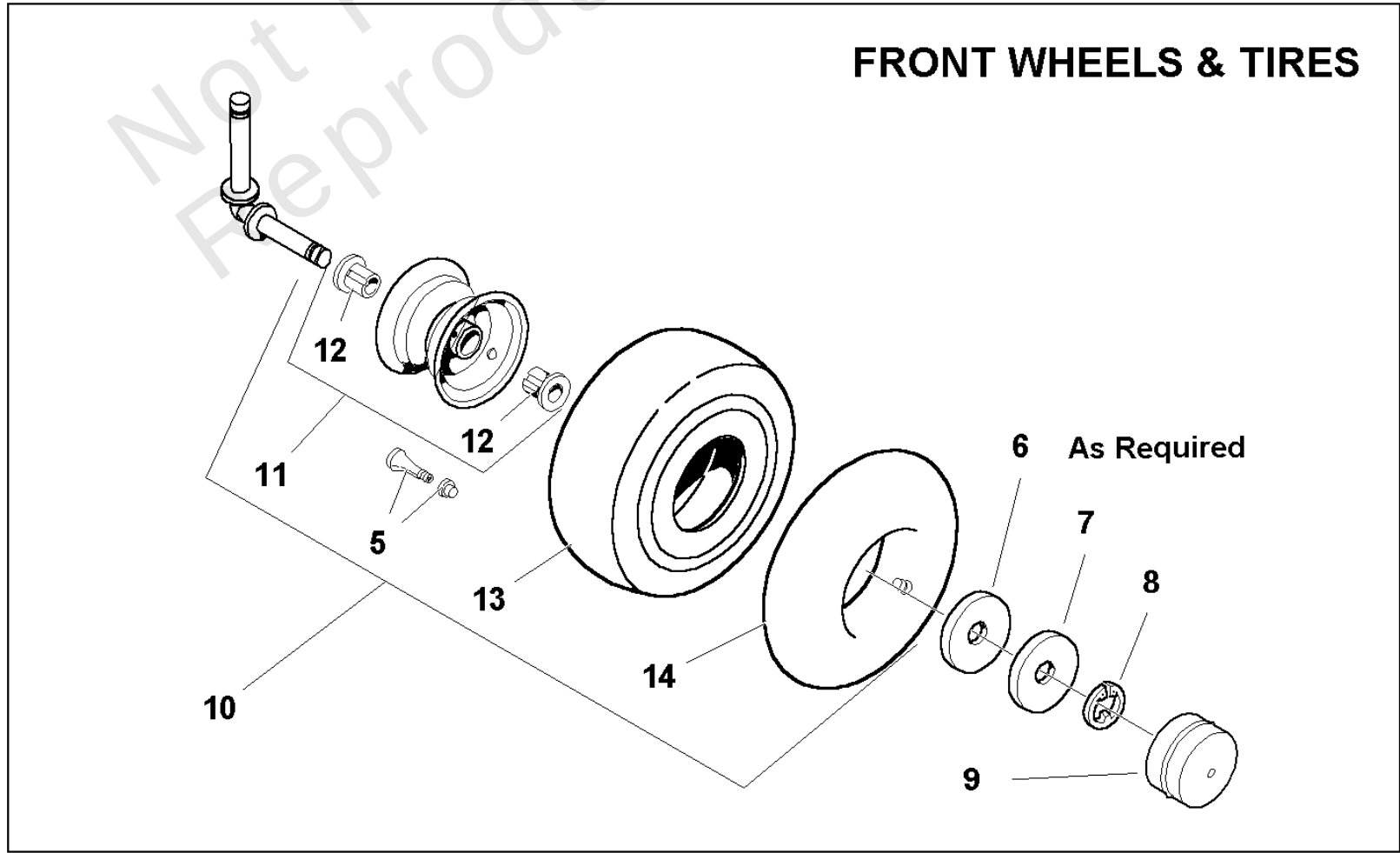
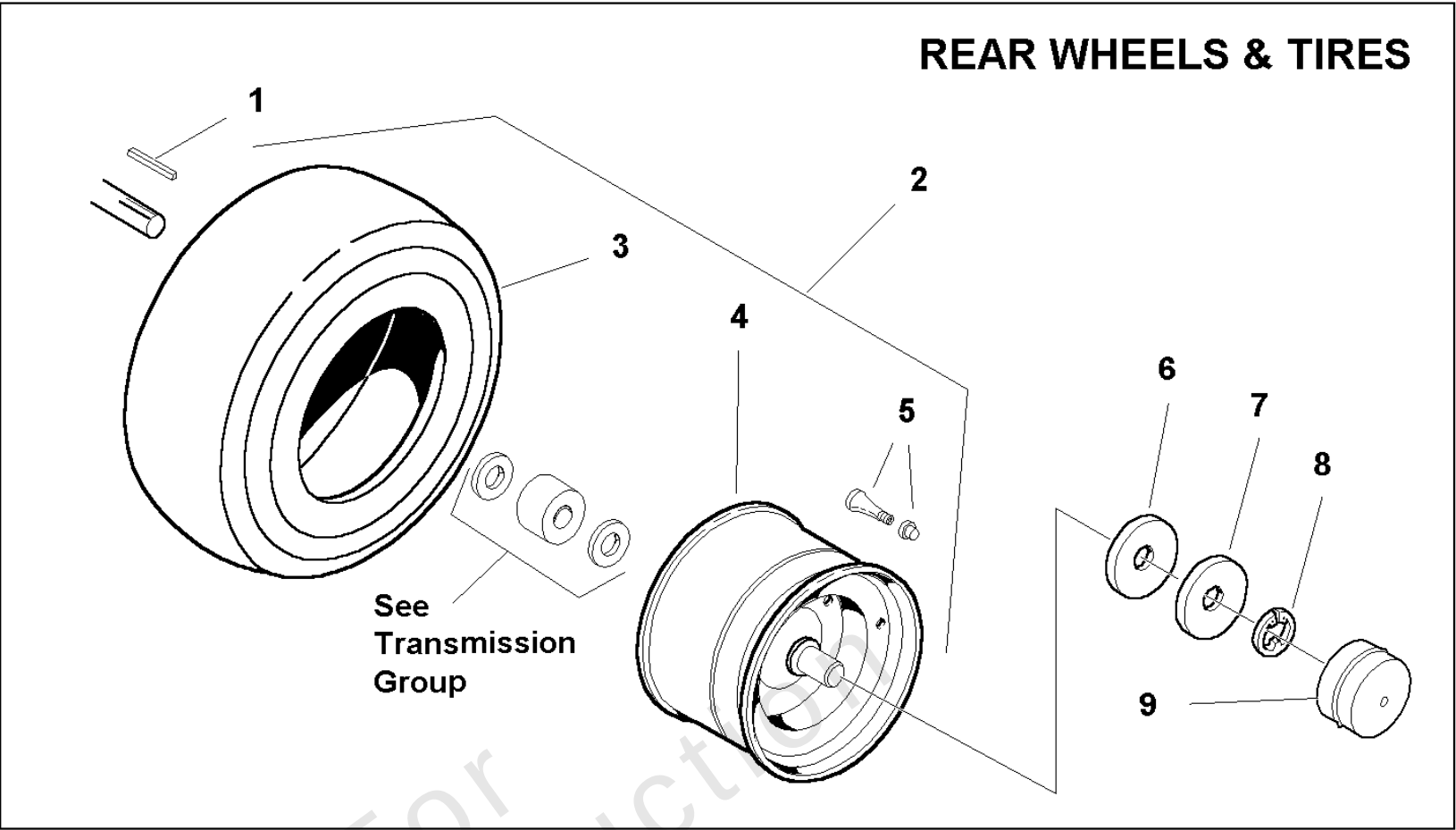


**Transmission SERVICE PARTS - Tuff Torq K46Z (1721020)**

| REF NO | PART NO   | QTY | DESCRIPTION                                                           |
|--------|-----------|-----|-----------------------------------------------------------------------|
| 58     | 1718100SM | 1   | ROLL PIN 6 * 40                                                       |
| 59     | 1707879SM | 2   | O-RING 1A P14                                                         |
| 60     | 1708692SM | 1   | NUT 12                                                                |
| 61     | 1724297SM | 2   | DIFFERNIAL PINION                                                     |
| 62     | -----     | 1   | *FINAL GEAR                                                           |
| 63     | -----     | 1   | *COLLAR, FINAL P                                                      |
| 64     | -----     | 1   | *REDUCTION SHAFT                                                      |
| 65     | -----     | 2   | *WASHER 12*32*3.2                                                     |
| 66     | 1724301SM | 1   | REDUCTION GEAR                                                        |
| 67     | -----     | 1   | *FINAL PINION                                                         |
| 68     | 1724303SM | 1   | AXLE SHAFT, Left                                                      |
| 69     | 1724304SM | 1   | AXLE SHAFT, Right                                                     |
| 70     | 1718112SM | 2   | THRUST WASHER                                                         |
| 71     | 1718113SM | 2   | RING, 17                                                              |
| 72     | 1718111SM | 2   | SEAL, 19 * 32 * 8<br>-( For this part only contact B&S Tech support ) |
| 73     | 1718110SM | 2   | BUSHING, 19 * 25                                                      |
| 75     | 1724305SM | 1   | BRAKE SHOE                                                            |
| 76     | 1724306SM | 1   | BRAKE LEVER                                                           |
| 77     | -----     | 1   | *SHAFT BRAKE                                                          |
| 78     | 1724308SM | 1   | RETURN SPRING B                                                       |
| 79     | 1724309SM | 1   | BRAKE ACTUATOR                                                        |
| 80     | 1724310SM | 1   | SPRING PIN, 5 * 32                                                    |
| 81     | 1708690SM | 2   | O-RING 1A P12                                                         |
| 82     | 1724311SM | 2   | SPRING PIN 4 * 16                                                     |
| 83     | 1724312SM | 2   | SPLINE COLLAR                                                         |
| 84     | 1724313SM | 1   | PULLEY D                                                              |
| 85     | 1724314SM | 1   | FAN, White                                                            |
| 86     | 1724315SM | 1   | WASHER, Wave                                                          |
| 87     | 1724316SM | 1   | RING, Snap                                                            |
| 89     | -----     | 1   | *UPPER HOUSING                                                        |
| 90     | 1707839SM | 1   | SPRING PIN, 3.0A * 20                                                 |
| 91     | 1724318SM | 1   | OIL SEAL 16 * 22 * .03                                                |
| 95     | 1707839SM | 1   | SPRING PIN, 3.0A * 20                                                 |
| 99     | 1708649SM | 2   | WASHER, Seal 8                                                        |
| 100    | -----     | 2   | *SCREW, CAP 8*12                                                      |
| 199    | -----     | 1   | *BEARING                                                              |
| 200    | 1727541YP | 1   | K46 & T40 SEAL KIT                                                    |
| 201    | -----     | 1   | *KIT, Repair                                                          |

**Footnotes:**

Note:\* See your local authorized dealership for parts and warranty or contact Tuff Torq at [www.tufftorqservices.com](http://www.tufftorqservices.com) (U.S. 1-866-572-3441 Int'l 01-423-585-1977)



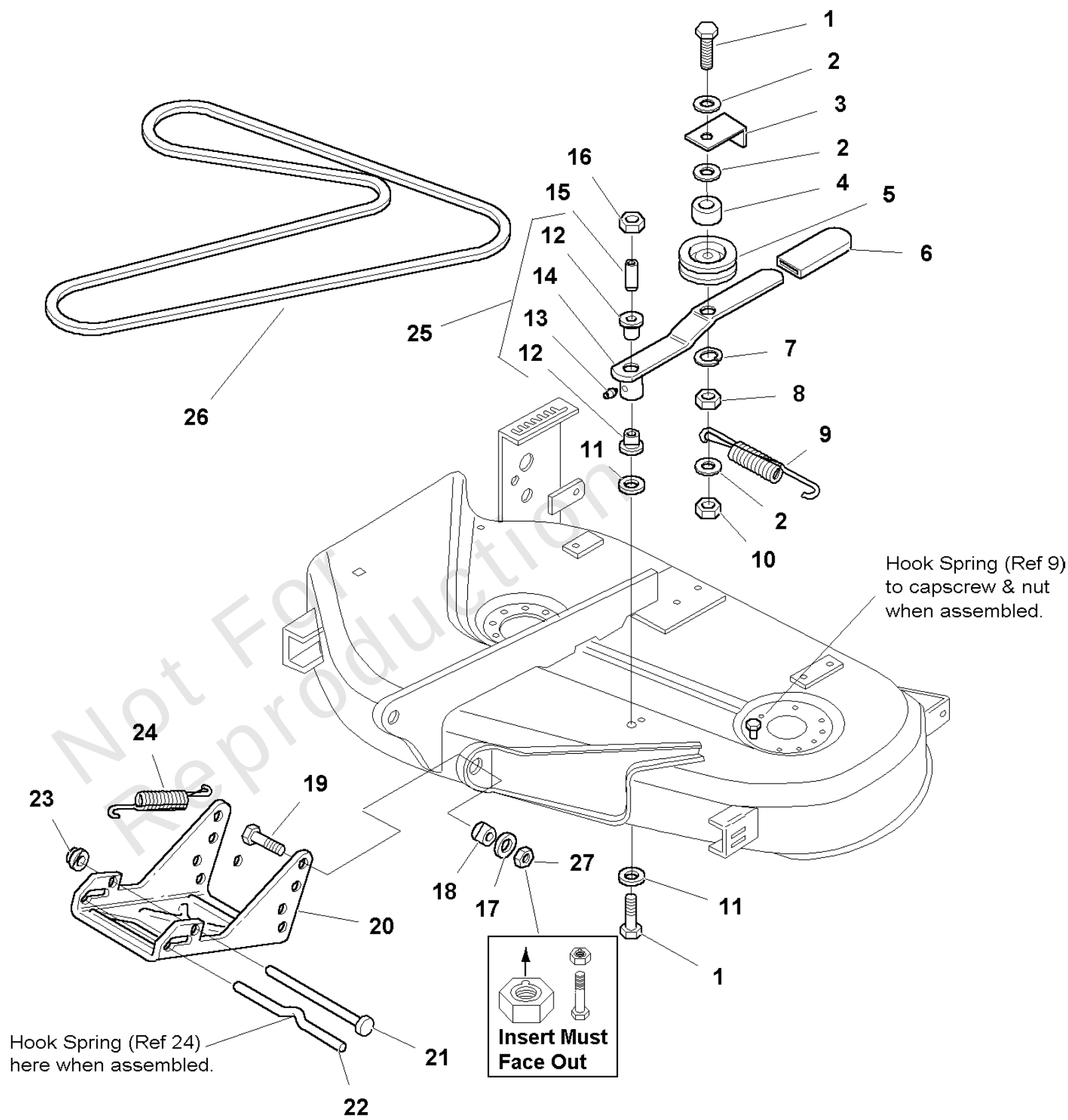
## ***Wheels & Tires Group***

| REF NO | PART NO   | QTY | DESCRIPTION                                                   |
|--------|-----------|-----|---------------------------------------------------------------|
| 1      | 1717749SM | 2   | KEY, 3/16 x 2                                                 |
| 2      | 1716131SM | 2   | WHEEL & TIRE ASSEMBLY                                         |
| 3      | 1716133SM | 2   | TIRE, 20 x 8 - 8 Super Trac II                                |
| 4      | 1716132SM | 2   | WHEEL, 7 x 8                                                  |
| 5      | 2172353SM | 4   | VALVE STEM & CAP ASSEMBLY                                     |
| 6      | 2860202SM | 4   | WASHER                                                        |
| 7      | 1960160SM | 4   | WASHER                                                        |
| 8      | 2827794SM | 4   | KLIPRING, .75 Dia Shaft                                       |
| 9      | 1722675SM | 4   | CAP, Hub                                                      |
| 10     | 1726302SM | 2   | WHEEL & TIRE ASSEMBLY (Includes Ref. Nos. 5, 11, 12, 13 & 14) |
| 11     | 1726301SM | 2   | WHEEL & BUSHINGS ASSEMBLY (Includes Ref. No. 12)              |
| 12     | 1713167SM | 2   | BEARING                                                       |
| 13     | 1716130SM | 2   | TIRE, 15 X 6.5 - 6 Super Trac II                              |
| 14     | 1664090SM | 2   | TUBE, Tire                                                    |

# 38" Mower Deck - Belt, Idler Arm & Hitch Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



### 38" Mower Deck - Belt, Idler Arm & Hitch Group

| REF NO | PART NO    | QTY | DESCRIPTION                                |
|--------|------------|-----|--------------------------------------------|
| 1      | 1928957SM  | 2   | CAPSCREW, Hex Head, 3/8-16 x 2-3/4 G8      |
| 2      | 1922755SM  | 4   | WASHER, Plain, 3/8                         |
| 3      | 1677135ASM | 1   | GUARD, Spring                              |
| 4      | 1666294SM  | 1   | SPACER                                     |
| 5      | 1685150SM  | 1   | PULLEY ASSEMBLY KIT, (Includes Ref. No. 4) |
| 6      | 1665835    | 1   | GRIP, Lever                                |
| 7      | 1916965SM  | 1   | LOCKWASHER, 3/8                            |
| 8      | 1916950SM  | 1   | NUT, Hex, 3/8-16                           |
| 9      | 1715435SM  | 1   | SPRING, EXTENSION, 1.                      |
| 10     | 1919439SM  | 1   | NUT, ESNA Hex Lock, 3/8-16                 |
| 11     | 1924356SM  | 2   | WASHER , 3/8                               |
| 12     | 1663114SM  | 2   | BUSHING, 5/8, Nylon                        |
| 13     | 2812808SM  | 1   | FITTING, Grease                            |
| 14     | -----      | 1   | CLUTCH LEVER ASSEMBLY, See Ref. No. 25     |
| 15     | 1657242SM  | 1   | SPACER                                     |
| 16     | 1960339SM  | 1   | NUT, Hex Flange Lock, 3/8-16               |
| 17     | 1924940SM  | 2   | WASHER, Plain, 3/8                         |
| 18     | 2157081SM  | 2   | SPACER                                     |
| 19     | 1921968SM  | 2   | CAPSCREW, Hex, 3/8-16 x 1-3/8              |
| 20     | 1713561A   | 1   | HITCH                                      |
| 21     | 1713578SM  | 1   | ROD, Mower Hitch                           |
| 22     | 1715759SM  | 1   | ROD, 3/8 x 8                               |
| 23     | 1960519SM  | 1   | NUT, Push, 1/2                             |
| 24     | 2156302    | 1   | SPRING                                     |
| 25     | 1704520ASM | 1   | LEVER ASMY-CLUTCH W/B                      |
| 26     | 1716854SM  | 1   | V-BELT, Arbor Drive                        |
| 27     | 2860681SM  | 2   | NUT, Hex Flange, 3/8-16                    |

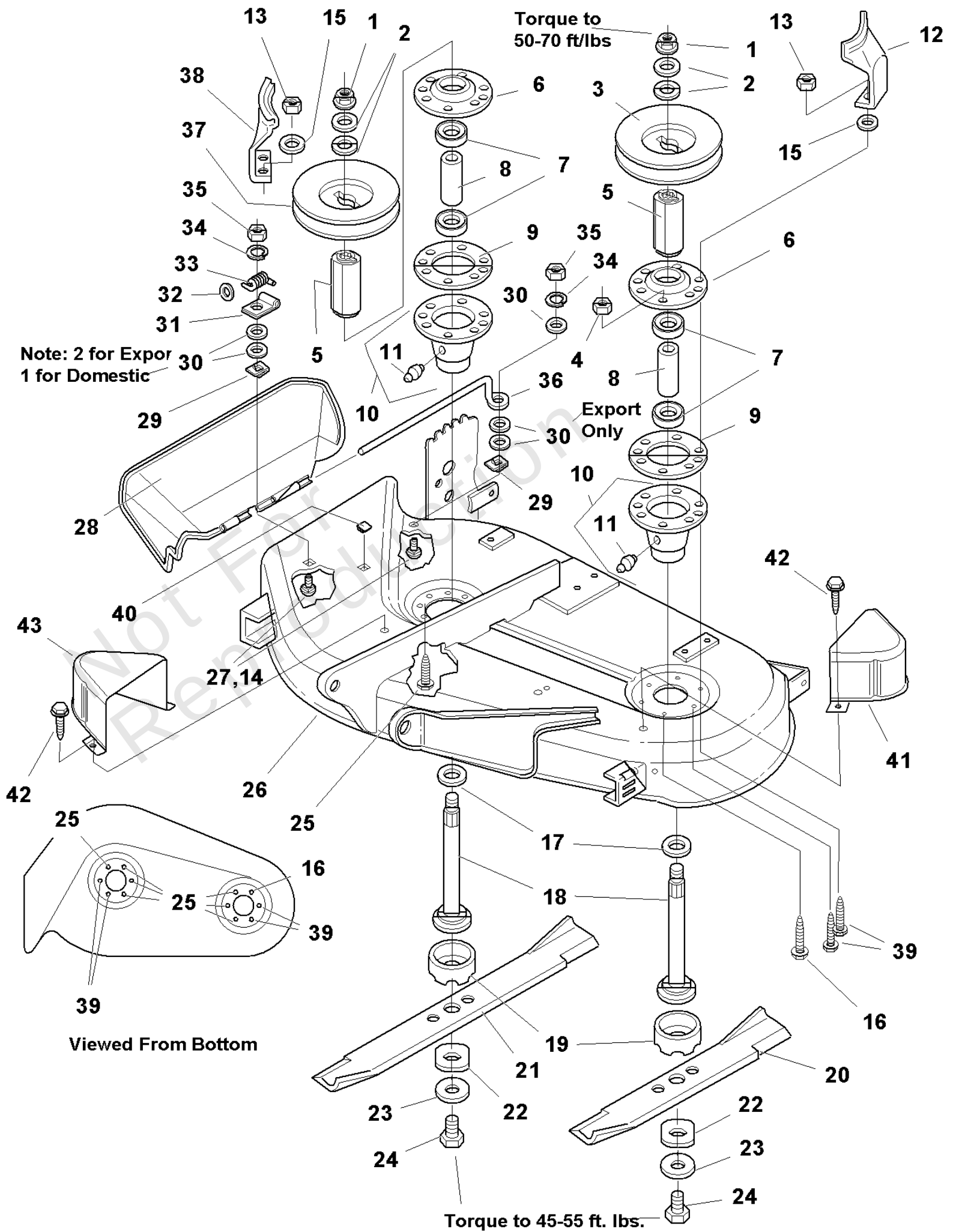
#### Footnotes:

Note:\* Not Serviced Separately.

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

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



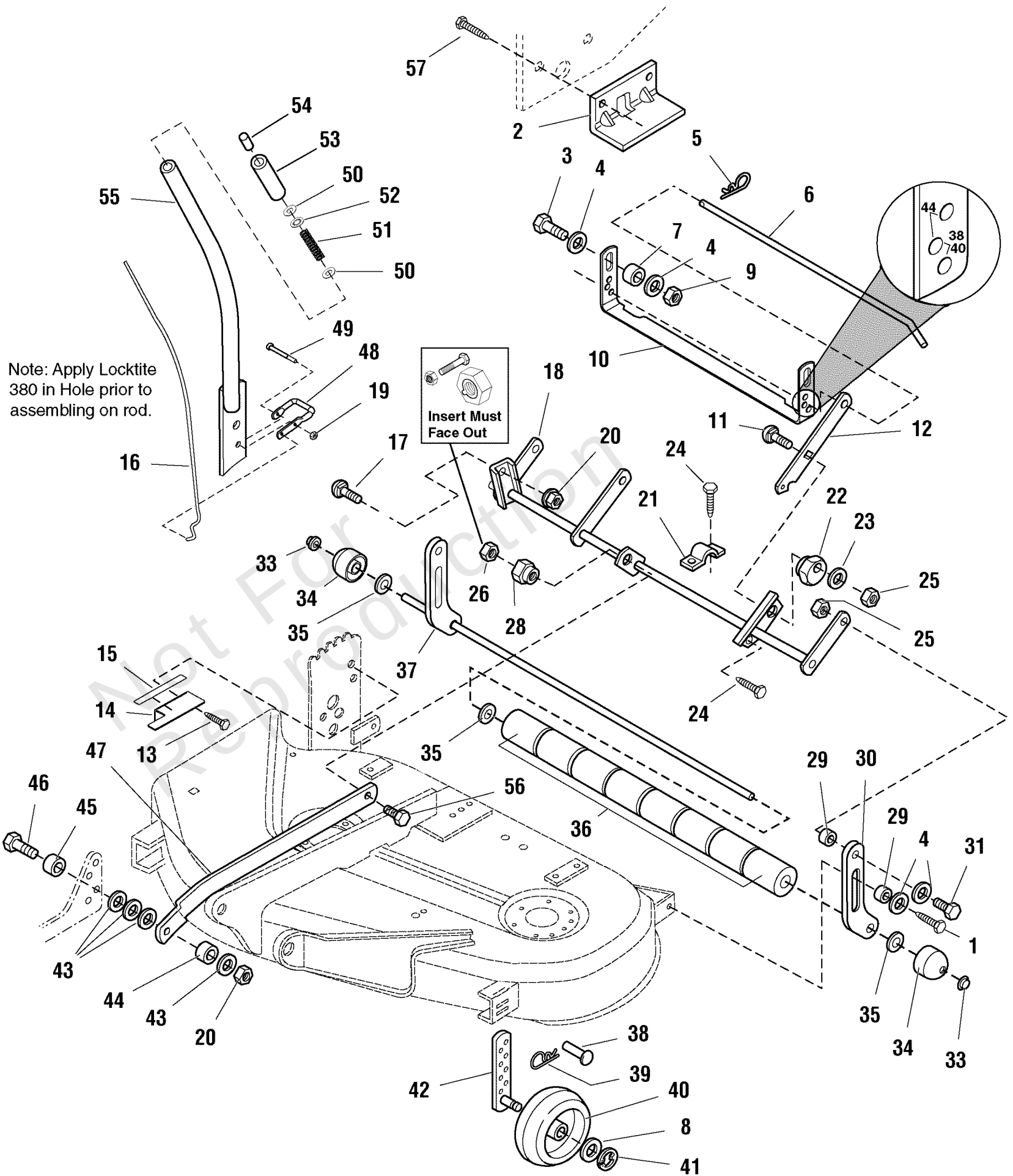
### 38" Mower Deck - Housing, Arbors & Blades Group

| REF NO | PART NO    | QTY | DESCRIPTION                                                               |
|--------|------------|-----|---------------------------------------------------------------------------|
| 1      | 1714419SM  | 2   | NUT, Hex, Flange, 9/16-8                                                  |
| 2      | 1713675SM  | 4   | WASHER, Bellville .56ID x 1.34 OD x .05T                                  |
| 3      | 1720387SM  | 1   | PULLEY, LH, .49" Shallow-Groove OD 4"                                     |
| 4      | 1917372SM  | 1   | NUT, Hex, 5/16-18                                                         |
| 5      | 1713616SM  | 2   | HUB                                                                       |
| 6      | 1713199ASM | 2   | COVER, Arbor Housing                                                      |
| 7      | 1705897SM  | 4   | BEARING, BALL 11/16X1                                                     |
| 8      | 1732543SM  | 2   | SPACER                                                                    |
| 9      | 1707335SM  | 2   | GASKET, Foam                                                              |
| 10     | 1713338ASM | 2   | HOUSING ASSEMBLY, Arbor Bottom, w/Lube Fitting<br>-(Includes Ref. No. 11) |
| 11     | 1704314SM  | 2   | LUBE FITTING, .250 DR                                                     |
| 12     | 1714321A   | 1   | STOP, Belt, LH                                                            |
| 13     | 1927557SM  | 4   | NUT, Hex, Whiz Lock, 5/16-18                                              |
| 14     | 1931320SM  | 2   | CARRIAGE BOLT, 1/4-20 x 1-1/4<br>-(CE/Export)                             |
| 15     | 1924940SM  | 4   | WASHER, Flat, 3/8                                                         |
| 16     | 2960678SM  | 1   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1-3/4                        |
| 17     | 1713619SM  | 2   | WASHER                                                                    |
| 18     | 1713612SM  | 2   | SHAFT, Arbor                                                              |
| 19     | 1713196SM  | 2   | SHIELD, Grass, Lower                                                      |
| 20     | 1704856ASM | 1   | BLADE, Mower, 16-1/8                                                      |
| 21     | 1704101ASM | 1   | BLADE, Mower, 22-1/4                                                      |
| 22     | 1713089SM  | 2   | WASHER, Hex                                                               |
| 23     | 1656916SM  | 2   | WASHER, SPRING 0.475I                                                     |
| 24     | 2823471SM  | 2   | CAPSCREW, Hex Head, 7/16-14 x -1/4                                        |
| 25     | 1664847SM  | 7   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 3/4                          |
| 26     | 1686826SM  | 1   | MOWER DECK HOUSING, 38", Orange                                           |
| 26     | 1687172SM  | 1   | MOWER DECK HOUSING, 38", Red                                              |
| 26     | 1687151SM  | 1   | MOWER DECK HOUSING, 38", Black                                            |
| 27     | 1931318SM  | 2   | CARRIAGE BOLT, 1/4-20 x 7/8                                               |
| 27     | 1931320SM  | 2   | CARRIAGE BOLT, 1/4-20 x 1-1/4, (6 Total for CE)                           |
| 28     | 1705449SM  | 1   | DEFLECTOR, Plastic                                                        |
| 29     | 1960518SM  | 2   | NUT, Push On                                                              |
| 30     | 1960353SM  | 6   | CARRIAGE BOLT, 1/4-20 x 1-1/4<br>-(CE/Export)                             |
| 31     | 1704873SM  | 1   | CLAMP, WIRE, .312DIA                                                      |
| 32     | 1919326SM  | 1   | WASHER, 5/16                                                              |
| 33     | 1723938SM  | 1   | SPRING                                                                    |
| 35     | 1920397SM  | 2   | NUT, Hex, 1/4-20 ESNA                                                     |
| 36     | 1706709SM  | 1   | ROD-.283DIA 11.65LG D                                                     |
| 37     | 1720388SM  | 1   | PULLEY, RH, .49" Shallow-Groove OD 5.25"                                  |
| 38     | 1714322A   | 1   | STOP, Belt, RH                                                            |
| 39     | 1960373SM  | 4   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1                            |
| 40     | 1705115SM  | 2   | PLUG, Plastic                                                             |
| 41     | 1721143A   | 1   | COVER ASSEMBLY, LH<br>-(CE/Export)                                        |
| 42     | 1664847SM  | 3   | CARRIAGE BOLT, 1/4-20 x 1-1/4<br>-(CE/Export)                             |
| 43     | 1721142A   | 1   | COVER ASSEMBLY, RH<br>-(CE/Export)                                        |

38" Mower Deck - Height Adjustment & Roller Bar

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



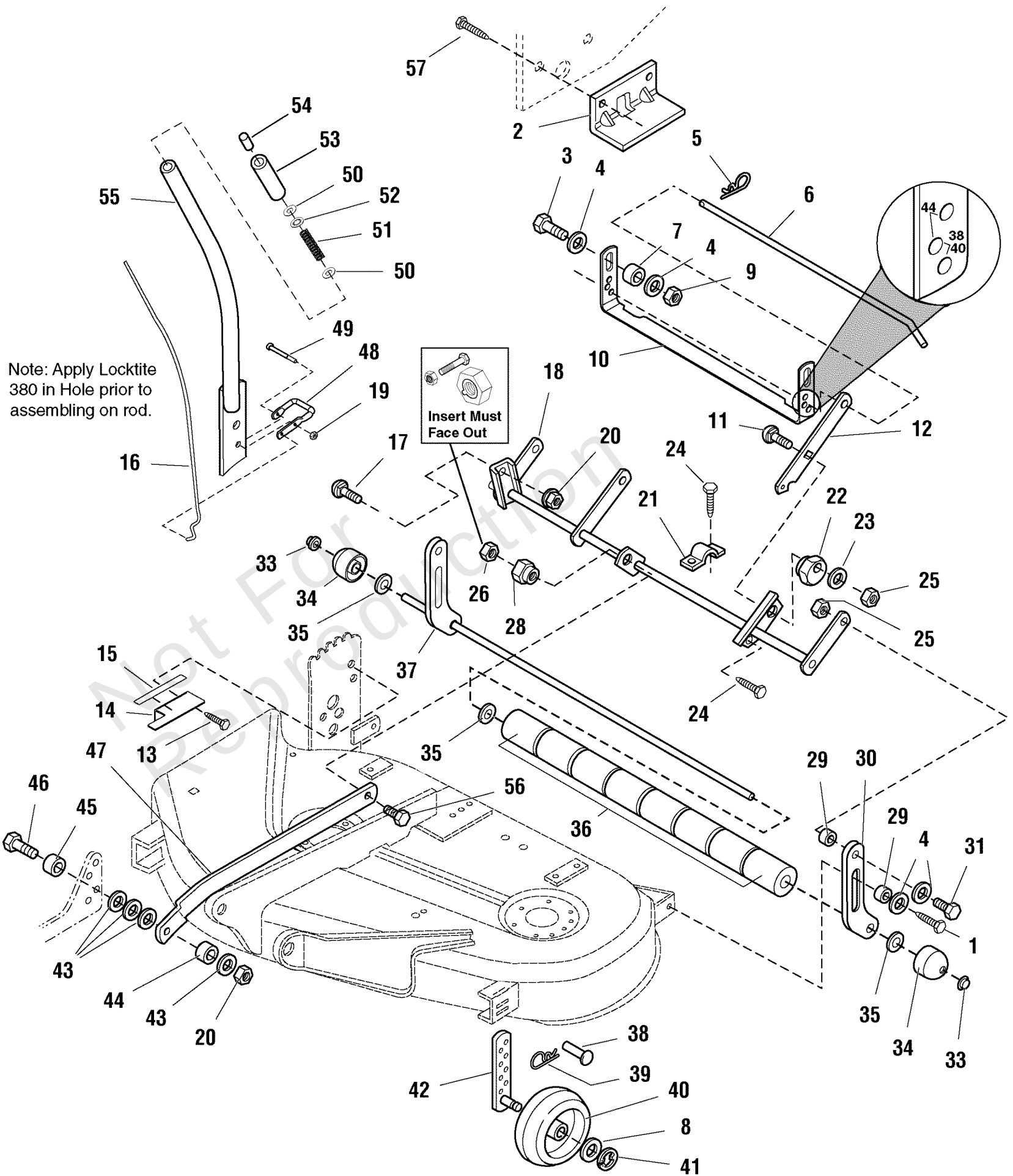
### 38" Mower Deck - Height Adjustment & Roller Bar

| REF NO | PART NO    | QTY | DESCRIPTION                                       |
|--------|------------|-----|---------------------------------------------------|
| 1      | 1960373SM  | 3   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1    |
| 2      | 1714910ASM | 1   | BRACKET, Upstop                                   |
| 3      | 1921977SM  | 2   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4               |
| 4      | 1960044SM  | 8   | WASHER-0.312(0.33IDX1                             |
| 5      | 1960074SM  | 1   | CLIP, HAIR PIN .093DI                             |
| 6      | 1714529SM  | 1   | ROD, Transport                                    |
| 7      | 1710703SM  | 2   | SPACER, 3/8 x 1/2 x 5/8                           |
| 8      | 1960027SM  | 2   | WASHER, 1/2                                       |
| 9      | 1923362SM  | 2   | NUT, Hex Lock, 5/16-18                            |
| 10     | 1720372A   | 1   | U-BRACKET                                         |
| 11     | 1960655SM  | 1   | CARRIAGE BOLT, 5/16-18 x 1-1/4                    |
| 12     | 1717297A   | 1   | ARM, Rear                                         |
| 13     | 1924856SM  | 2   | CAPSCREW, Hex Head, Taptite, 5/16-18 x 1/2        |
| 14     | 1721635A   | 1   | BRACKET, Decal                                    |
| 15     | 1720919SM  | 1   | DECAL, Height                                     |
| 16     | 1721634SM  | 1   | ROD, Latch                                        |
| 17     | 1931350SM  | 1   | BOLT, RD HD SH SQ NK                              |
| 18     | 1724493ASM | 1   | ROCKER ARM ASSEMBLY                               |
| 19     | 1920397SM  | 1   | NUT, Hex Lock, 1/4-20                             |
| 20     | 1919439SM  | 2   | NUT, HEx Lock ESNA, 3/8-16                        |
| 21     | 1665374SM  | 1   | STRAP-1.00WD 3.06LG .                             |
| 22     | 1714879SM  | 1   | ECCENTRIC                                         |
| 23     | 1924874SM  | 1   | WASHER, Flat, 5/16                                |
| 24     | 1664847SM  | 3   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 3/4  |
| 25     | 2860643SM  | 3   | NUT, Hex, Flange Collar Lock, 5/16-18             |
| 26     | 2860681SM  | 2   | NUT, Hex Flange, 3/8-16                           |
| 28     | 1704082SM  | 1   | NUT, Hex Adjusting, 11/16                         |
| 29     | 1960236SM  | 4   | SPACER                                            |
| 30     | 1719846ASM | 1   | BAR, Roller, Support                              |
| 31     | 703570     | 2   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4               |
| 33     | 1960520SM  | 2   | NUT, Push, 5/8                                    |
| 34     | 1717675SM  | 2   | ROLLER, .650 ID, 2.5" OD, 2.05" Long, Rounded End |
| 35     | 1924366SM  | 3   | WASHER, 5/8                                       |
| 36     | 1668513SM  | 8   | ROLLER, .652 ID, 2.50 OD, 4.10 LG                 |
| 37     | 1719905ASM | 1   | SHAFT ASSEMBLY                                    |
| 38     | 1960288SM  | 2   | PIN                                               |
| 39     | 1960221SM  | 2   | CLIP, Hair                                        |
| 40     | 1714760SM  | 2   | GAUGE WHEEL                                       |
| 41     | 2158399SM  | 2   | E-RING, 1/2                                       |
| 42     | 1714878ASM | 2   | ARM ASSEMBLY, Adjustable                          |
| 43     | 1924940SM  | 4   | WASHER, Flat, 3/8                                 |
| 44     | 1611705SM  | 1   | SPACER-0.385IDX0                                  |
| 45     | 1715024SM  | 1   | SPACER                                            |
| 46     | 1923701SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2                    |
| 47     | 1721081ASM | 1   | ARM, Pitch                                        |
| 48     | 1720599SM  | 1   | LATCH                                             |
| 49     | 1921159SM  | 1   | CAPSCREW, Hex, 1/4-20 x 2-1/4                     |
| 50     | 1918265SM  | 2   | WASHER                                            |
| 51     | 1723321SM  | 1   | SPRING-COMP 0.715ODX                              |
| 52     | 1960674SM  | 1   | NUT-PUSH PAL .250 DIA                             |
| 53     | 1713995SM  | 1   | GRIP                                              |

38" Mower Deck - Height Adjustment & Roller Bar

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



**38" Mower Deck - Height Adjustment & Roller Bar**

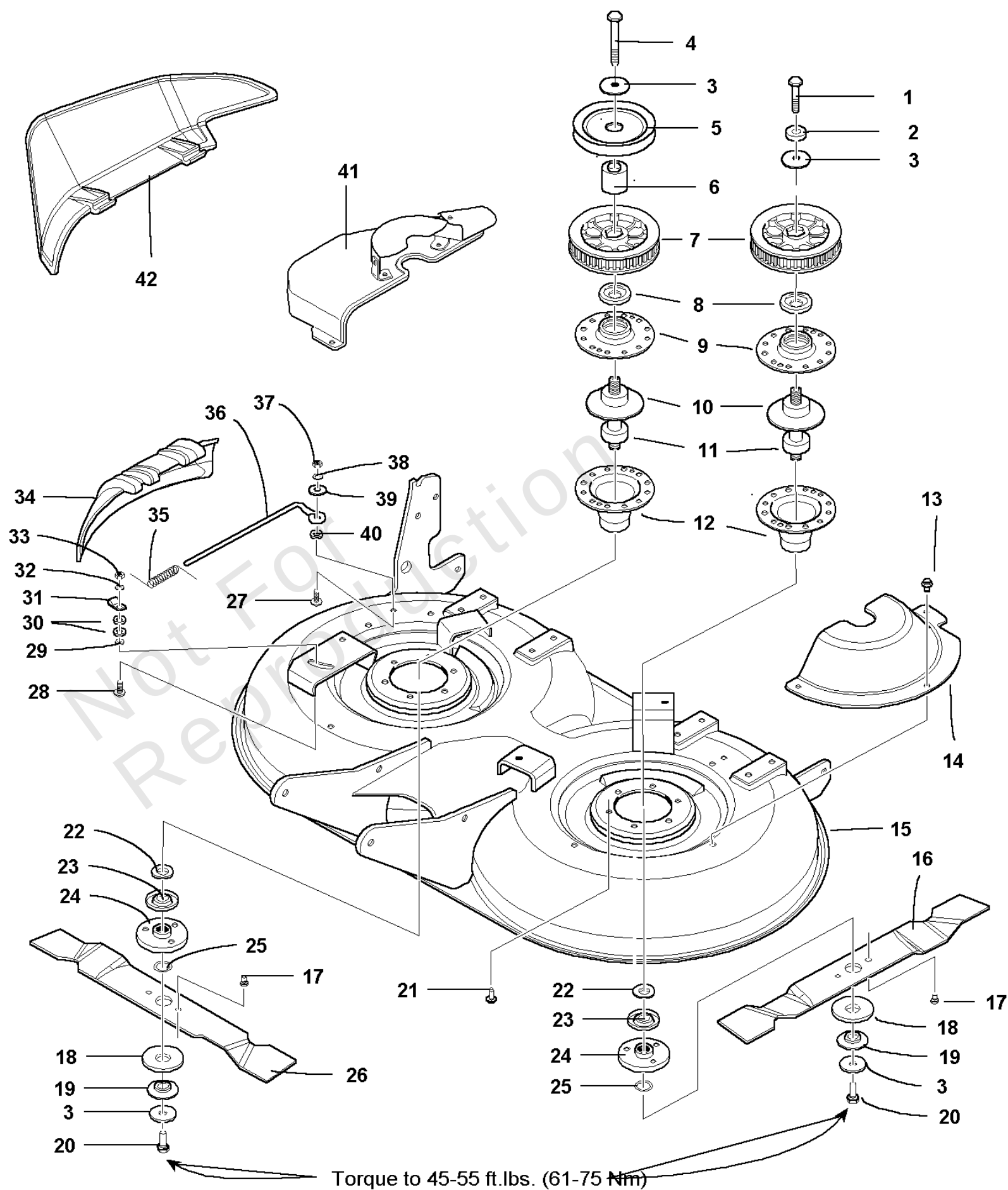
| REF NO | PART NO    | QTY | DESCRIPTION                                |
|--------|------------|-----|--------------------------------------------|
| 54     | 1723124SM  | 1   | BUTTON                                     |
| 55     | 1721620ASM | 1   | HANDLE ASSEMBLY                            |
| 56     | 1931352SM  | 1   | BOLT, Carriage, Short Neck, 3/8-16 x 1-1/2 |
| 57     | 1960541SM  | 1   | CAPSCREW, Hex Head Taptite, 5/16-18 x 3/4  |

Not For Reproduction

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

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



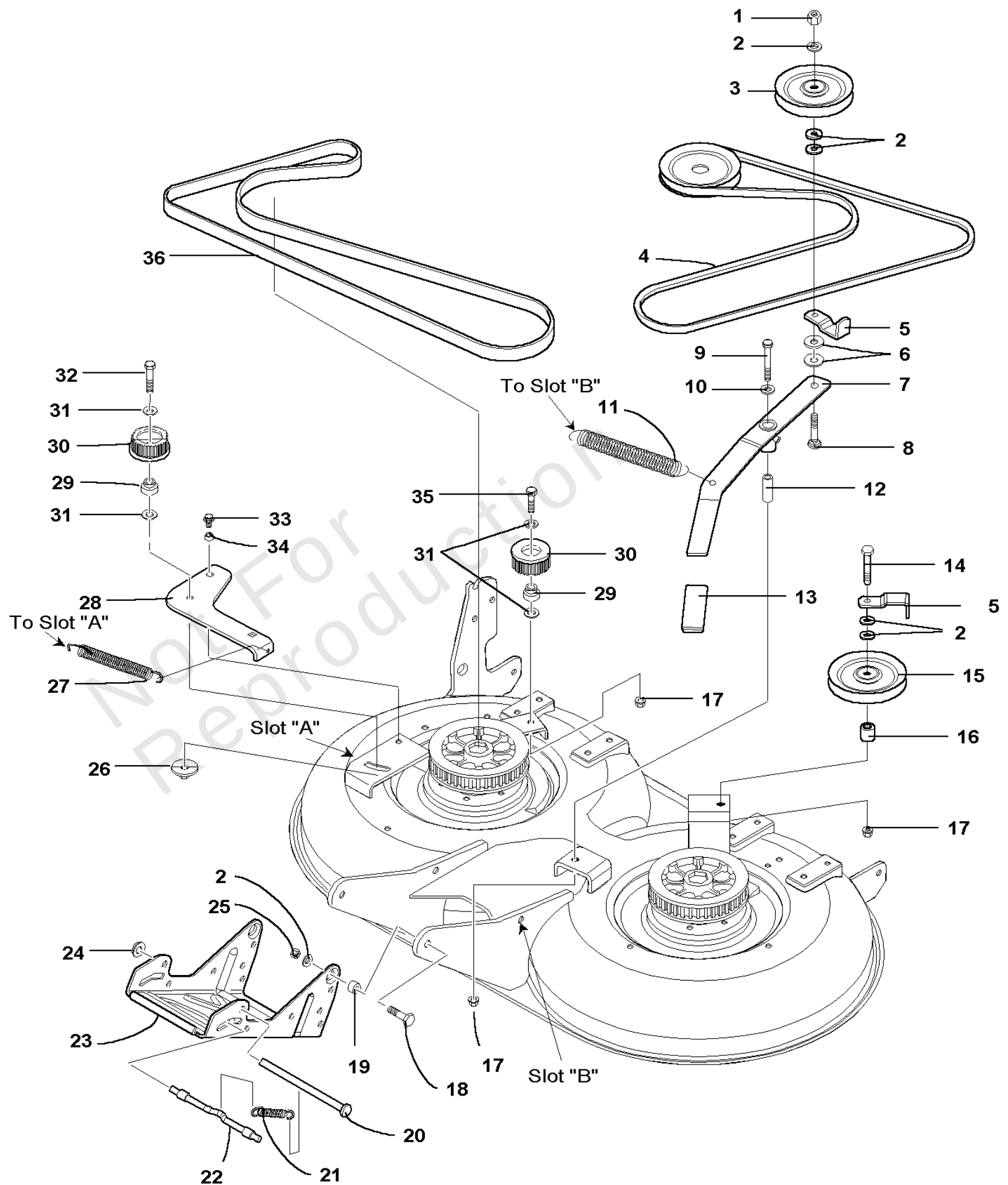
## 40" Mower Deck - Housing, Arbors & Blades Group

| REF NO | PART NO    | QTY | DESCRIPTION                                      |
|--------|------------|-----|--------------------------------------------------|
| 1      | 1936723SM  | 1   | CAPSCREW, Hex Head, 7/16-14 x 1 3/4 G8           |
| 2      | 1933263SM  | 1   | WASHER, 7/16                                     |
| 3      | 1656916SM  | 4   | WASHER, SPRING 0.475I                            |
| 4      | 1930585SM  | 1   | CAPSCREW, Hex Head, 7/16-14 x 3 1/2 G8           |
| 5      | 1713091SM  | 1   | PULLEY                                           |
| 6      | 1719870SM  | 1   | HUB                                              |
| 7      | 1719766SM  | 2   | SPROCKET & FLANGE ASSEMBLY, Riveted              |
| 8      | 1657969SM  | 2   | SHIELD, Bearing Upper, Arbor                     |
| 9      | 1655729ASM | 2   | HOUSING-ARBOR TOP - B                            |
| 10     | 1707335SM  | 2   | GASKET, Foam Poly                                |
| 11     | 1676278A   | 2   | ARBOR SHAFT & BEARINGS ASSEMBLY                  |
| 12     | 1703273ASM | 2   | HOUSING, Arbor Bottom with Lube Fitting          |
| 13     | 1924856SM  | 6   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1/2 |
| 14     | 1724601SM  | 1   | COVER, Arbor, LH                                 |
| 15     | 1686976SM  | 1   | HOUSING ASSEMBLY, 40", Orange                    |
| 15     | 1686976SM  | 1   | HOUSING ASSEMBLY, 40", Red                       |
| 15     | 1687152SM  | 1   | HOUSING ASSEMBLY, 40", Black                     |
| 16     | 1719624ASM | 1   | BLADE-MOWER 20.38 .1                             |
| 17     | 1722258SM  | 2   | PIN, Blade                                       |
| 18     | 1719985SM  | 2   | WASHER, 1"                                       |
| 19     | 1722257SM  | 2   | WASHER, Spline                                   |
| 20     | 2823471SM  | 2   | CAPSCREW, Hex Head, 7/16-14 x 1 1/4 G8           |
| 21     | 1664847SM  | 12  | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 3/4 |
| 22     | 1700230SM  | 2   | WASHER, Shim                                     |
| 23     | 1700229SM  | 2   | SHIELD, Arbor Bearing, Lower                     |
| 24     | 1655777SM  | 2   | ADAPTER, Blade                                   |
| 25     | 1657528SM  | 2   | RING, Retaining, Self Locking                    |
| 26     | 1719623ASM | 1   | BLADE, Mower, RH                                 |
| 27     | 1931335SM  | 1   | BOLT, Carriage, Short Neck, 5/16-18 x 1          |
| 28     | 1931318SM  | 1   | CARRIAGE BOLT, 1/4-20 x 7/8                      |
| 29     | 1960518SM  | 1   | NUT, Push                                        |
| 30     | 1960353SM  | 2   | WASHER, 1/4                                      |
| 31     | 1704873SM  | 1   | CLAMP, WIRE, .312DIA                             |
| 32     | 1916964SM  | 1   | LOCKWASHER, Spring 1/4                           |
| 33     | 1916622SM  | 1   | NUT, Hex 1/4-20                                  |
| 34     | 1719597SM  | 1   | DOOR, Mulching, Black Plastic                    |
| 35     | 1723938SM  | 1   | SPRING, Torsion                                  |
| 36     | 1719617SM  | 1   | ROD, Pivot                                       |
| 37     | 1917372SM  | 1   | NUT, Hex 5/16-18                                 |
| 38     | 1917356SM  | 1   | LOCKWASHER, Spring 5/16                          |
| 39     | 1919381SM  | 1   | WASHER, 5/16                                     |
| 40     | 1933988SM  | 1   | NUT, Push Pal                                    |
| 41     | 1721155SM  | 1   | COVER, Arbor, RH                                 |
| 42     | 1720600SM  | 1   | DEFLECTOR, Discharge                             |

## 40" Mower Deck - Belt, Idler Arm & Hitch Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



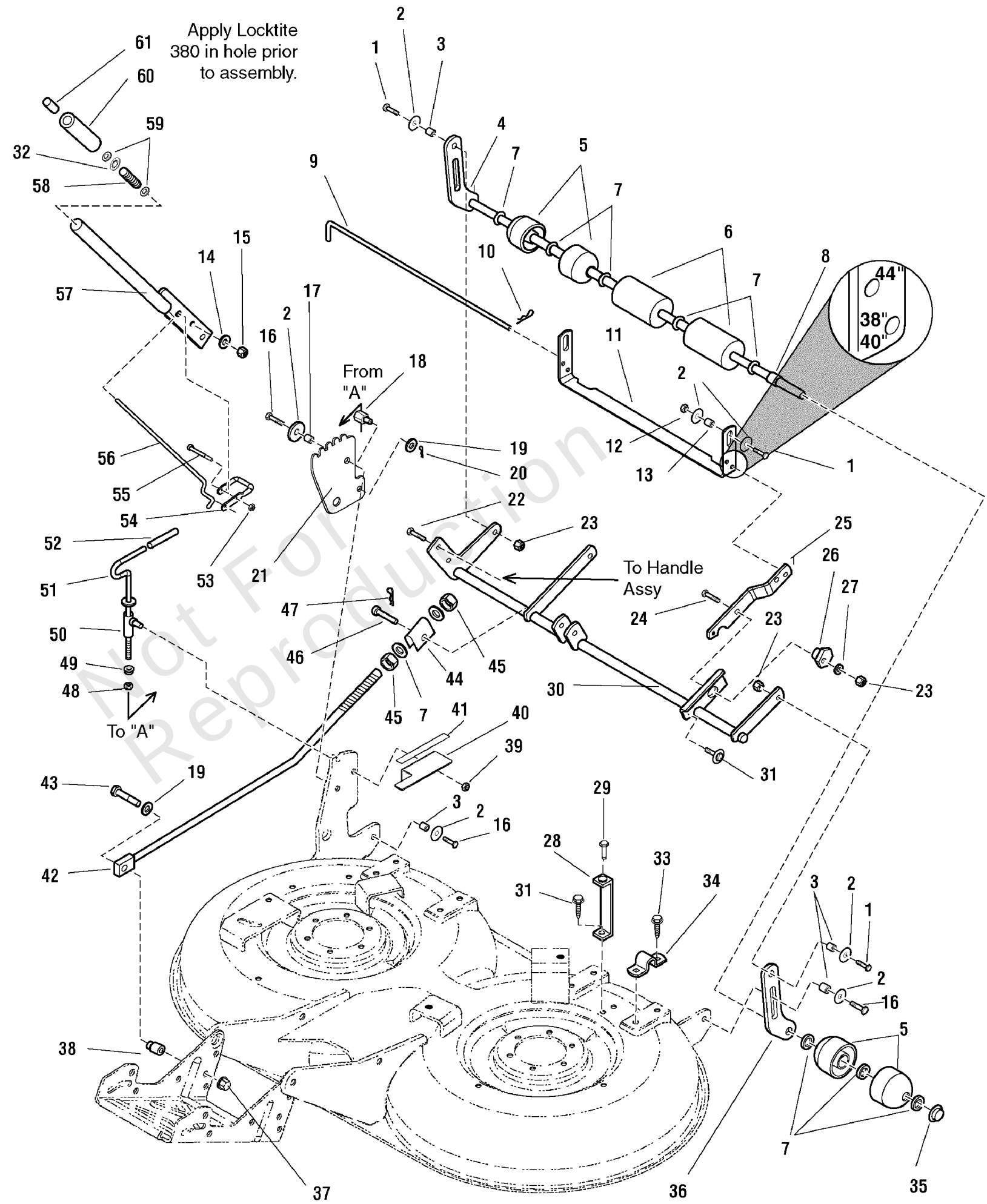
### 40" Mower Deck - Belt, Idler Arm & Hitch Group

| REF NO | PART NO    | QTY | DESCRIPTION                                      |
|--------|------------|-----|--------------------------------------------------|
| 1      | 1919439SM  | 1   | NUT, Hex Lock Esna Light, 3/8-16                 |
| 2      | 1924940SM  | 7   | WASHER, 3/8                                      |
| 3      | 1725408SM  | 1   | PULLEY, Idler                                    |
| 4      | 1721532SM  | 1   | BELT, 83.1                                       |
| 5      | 1722175ASM | 2   | STOP, Belt                                       |
| 6      | 1960534SM  | 2   | WASHER, 3/8                                      |
| 7      | 1724835SM  | 1   | ARM ASSEMBLY, Idler with Bushings & Fitting      |
| 8      | 1960315SM  | 1   | CARRIAGE BOLT, 3/8-16 x 2                        |
| 9      | 1928957SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2 3/4 G8            |
| 10     | 1922755SM  | 1   | WASHER, 3/8                                      |
| 11     | 1715435SM  | 1   | SPRING, EXTENSION, 1.                            |
| 12     | 1657242SM  | 1   | SPACER, Hardened                                 |
| 13     | 1719965SM  | 1   | GRIP, Black Vinyl for Handle                     |
| 14     | 1922130SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2 1/4               |
| 15     | 2174497    | 1   | PULLEY                                           |
| 16     | 1667812SM  | 1   | SPACER                                           |
| 17     | 1928352SM  | 4   | NUT, Hex Flange Whiz Lock, Large, 3/8-16         |
| 18     | 1921969SM  | 2   | CAPSCREW, Hex Head, 3/8-16 x 1 1/2               |
| 19     | 2172329SM  | 2   | SPACER                                           |
| 20     | 1713578SM  | 1   | ROD, Mower Hitch                                 |
| 21     | 2156302    | 1   | SPRING                                           |
| 22     | 1715759SM  | 1   | ROD, 3/8 x 8                                     |
| 23     | 1720044ASM | 1   | HITCH, Mower                                     |
| 24     | 1960519SM  | 1   | NUT, Push                                        |
| 25     | 1919439SM  | 2   | NUT, Hex Lock Esna Light ,3/8-16                 |
| 26     | 1721425SM  | 1   | WASHER & NUT ASSEMBLY, 3/8 x 1 1/2               |
| 27     | 1674671SM  | 1   | SPRING, Extension                                |
| 28     | 1726387    | 1   | ARM, Idler                                       |
| 29     | 1719221SM  | 2   | HUB                                              |
| 30     | 1719562SM  | 2   | PULLEY, Idler                                    |
| 31     | 1922755SM  | 5   | WASHER, 3/8                                      |
| 32     | 1923701SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2                   |
| 33     | 1930601SM  | 1   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1/2 |
| 34     | 1666697SM  | 1   | SPACER                                           |
| 35     | 1921971SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 1 3/4               |
| 36     | 1721118SM  | 1   | BELT, Timing                                     |

# 40" Mower Deck - Height Adjustment & Roller Bar Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



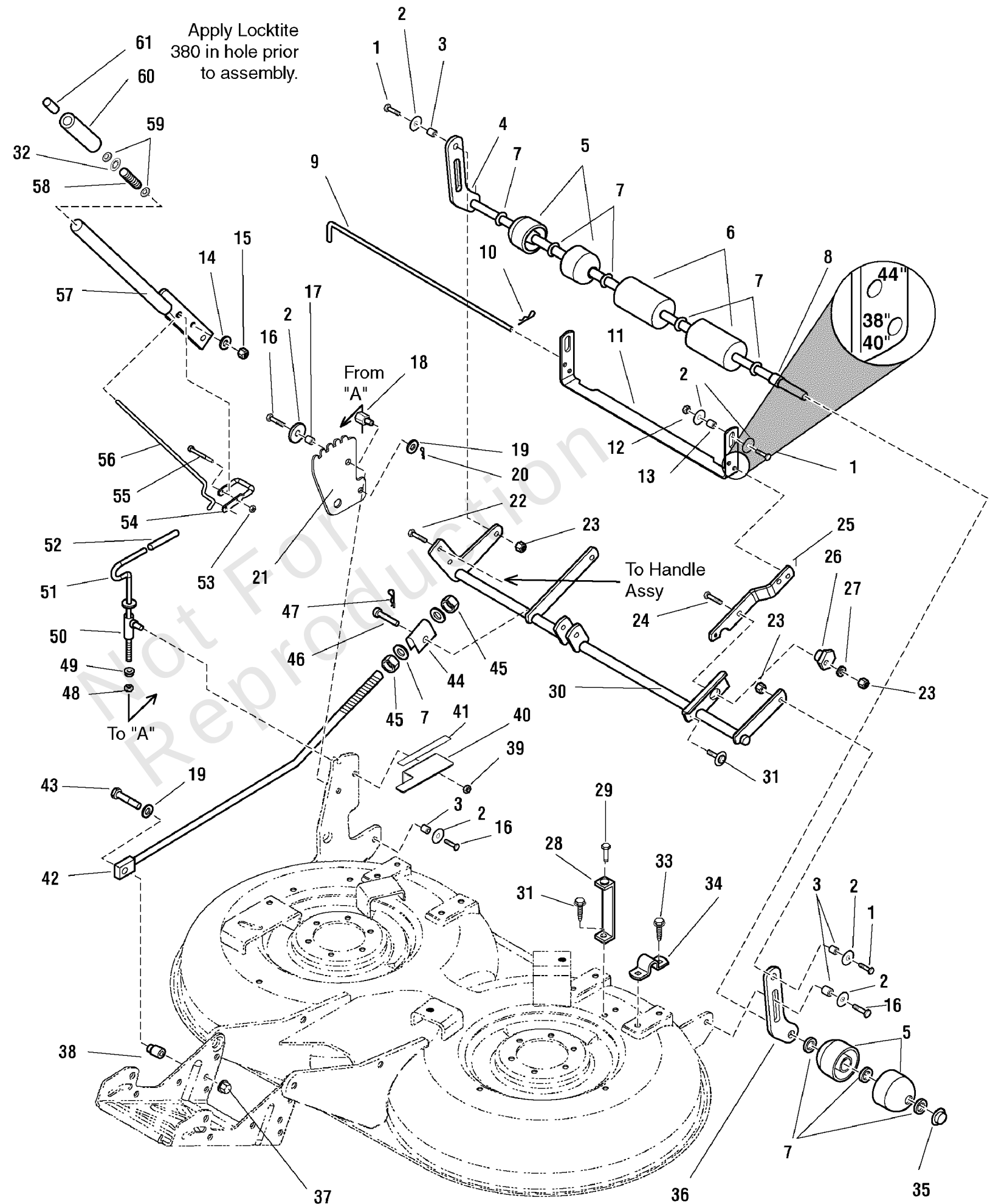
## 40" Mower Deck - Height Adjustment & Roller Bar Group

| REF NO | PART NO    | QTY | DESCRIPTION                                          |
|--------|------------|-----|------------------------------------------------------|
| 1      | 1921977SM  | 7   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4                  |
| 2      | 1960044SM  | 9   | WASHER-0.312(0.33IDX1                                |
| 3      | 1960236SM  | 4   | SPACER                                               |
| 4      | 1720693ASM | 1   | SHAFT & BAR ASSEMBLY, 40" Roller                     |
| 5      | 1717675SM  | 4   | ROLLER, .650 ID, 2.5" OD, 2.05" Long, Rounded End    |
| 6      | 1722036SM  | 6   | ROLLER, Rounded, 4.1 LG, 650 ID, 2.50 OD Rounded End |
| 7      | 1924366SM  | 14  | WASHER, 5/8                                          |
| 8      | 1676652SM  | 1   | SPACER                                               |
| 9      | 1714529SM  | 1   | ROD, Transport                                       |
| 10     | 1960074SM  | 1   | CLIP, HAIR PIN .093DI                                |
| 11     | 1720372A   | 1   | U-BRACKET                                            |
| 12     | 1923362SM  | 2   | NUT, Hex Centerlock, 5/16-18                         |
| 13     | 1710703SM  | 2   | SPACER, 3/8 x 1/2 x 5/8                              |
| 14     | 1917356SM  | 3   | LOCKWASHER, 5/16                                     |
| 15     | 1917372SM  | 3   | NUT, Hex, 5/16-18                                    |
| 16     | 1921977SM  | 7   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4                  |
| 17     | 1666697SM  | 1   | SPACER                                               |
| 18     | 2108512SM  | 1   | PIVOT, 3/4 Hex                                       |
| 19     | 1924940SM  | 2   | WASHER, 3/8                                          |
| 20     | 1918447SM  | 1   | PIN, Cotter                                          |
| 21     | 1723409ASM | 1   | BRACKET, Adjusting                                   |
| 22     | 1931335SM  | 2   | BOLT, Carriage, Short Neck, 5/16-18 x 1              |
| 23     | 2860643SM  | 5   | NUT, Hex Flange Lock, 5/16-18                        |
| 24     | 1960655SM  | 1   | CARRIAGE BOLT, 5/16-18 x 1 1/4                       |
| 25     | 1717145ASM | 1   | ARM, 1 1/4                                           |
| 26     | 1714879SM  | 1   | CAM, Eccentric, 1 1/8 Hex                            |
| 27     | 1924874SM  | 1   | WASHER, 5/16                                         |
| 28     | 1721852ASM | 2   | UPSTOP                                               |
| 29     | 1704351SM  | 2   | FASTNER, Panel                                       |
| 30     | 1724459    | 1   | SHAFT ASSEMBLY, Rocker                               |
| 31     | 1960373SM  | 3   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1       |
| 32     | 1960674SM  | 1   | NUT-PUSH PAL .250 DIA                                |
| 33     | 1664847SM  | 6   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 3/4     |
| 34     | 1665374SM  | 3   | STRAP-1.00WD 3.06LG .                                |
| 35     | 1960520SM  | 1   | NUT, Push, 5/8                                       |
| 36     | 1719846ASM | 1   | BAR, Roller                                          |
| 37     | 2860681SM  | 1   | NUT, Hex Flange, 3/8-16                              |
| 38     | 1706644SM  | 1   | SPACER, 3/8X3/4X15/16                                |
| 39     | 1930645SM  | 1   | NUT, Hex Centerlock, 3/8-16                          |
| 40     | 1720931ASM | 1   | BRACKET, Height of Cut                               |
| 41     | 1720919SM  | 1   | DECAL, Height of Cut                                 |
| 42     | 1719261SM  | 1   | ROD, Adjustment                                      |
| 43     | 1922606SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 1-3/4                   |
| 44     | 1706645ASM | 1   | TRUNNION-2.00WD-BLACK                                |
| 45     | 1915726SM  | 2   | NUT, Hex, 5/8-11                                     |
| 46     | 2118053SM  | 1   | PIN                                                  |
| 47     | 1960074SM  | 1   | CLIP, HAIR PIN .093DI                                |
| 48     | 1917421SM  | 1   | NUT, Hex Jam, 3/8-16                                 |
| 49     | 1960601SM  | 1   | NUT, Hex Flange, 3/8-16                              |
| 50     | 2108241SM  | 1   | GUIDE ASSEMBLY, Adjustment Rod                       |
| 51     | 1720704SM  | 1   | ROD & WASHER ASSEMBLY, Adjust Handle                 |

# 40" Mower Deck - Height Adjustment & Roller Bar Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



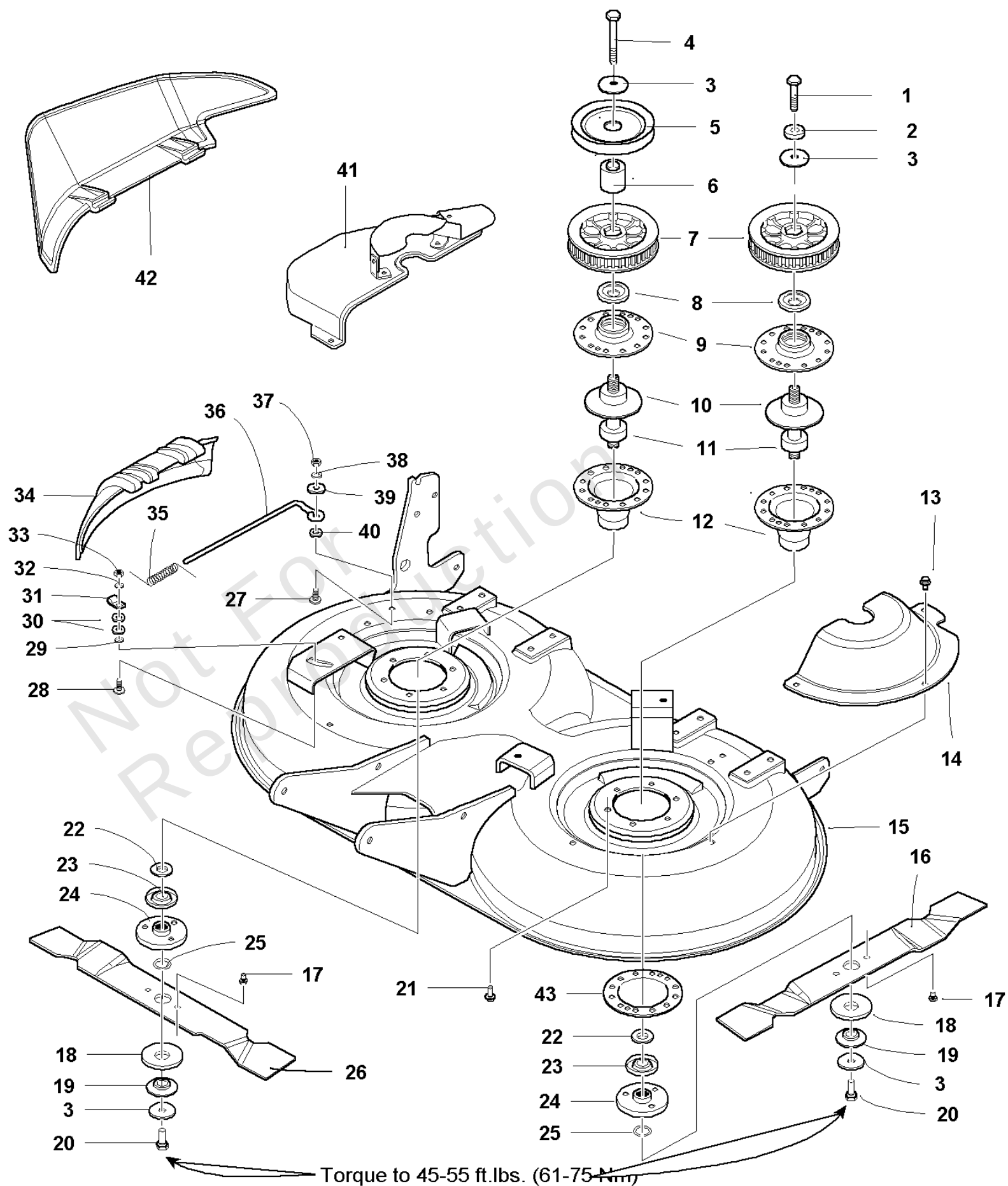
### ***40" Mower Deck - Height Adjustment & Roller Bar Group***

| REF NO | PART NO    | QTY | DESCRIPTION                        |
|--------|------------|-----|------------------------------------|
| 52     | 1651820SM  | 1   | GRIP, Black Vinyl For Rod          |
| 53     | 1920397SM  | 1   | NUT, Hex Lock Esna Light, 1/4-20   |
| 54     | 1720599SM  | 1   | LATCH, 5/16 WIRE                   |
| 55     | 1921159SM  | 1   | CAPSCREW, Hex Head, 1/4-20 x 2 1/4 |
| 56     | 1721257SM  | 1   | ROD, Latch                         |
| 57     | 1720695ASM | 1   | HANDLE ASSEMBLY, Lift              |
| 58     | 1723321SM  | 1   | SPRING-COMP 0.715ODX               |
| 59     | 1918265SM  | 2   | WASHER, 5/16                       |
| 60     | 1713995SM  | 1   | GRIP, Black Soft for Rod           |
| 61     | 1723124SM  | 1   | BUTTON                             |

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

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



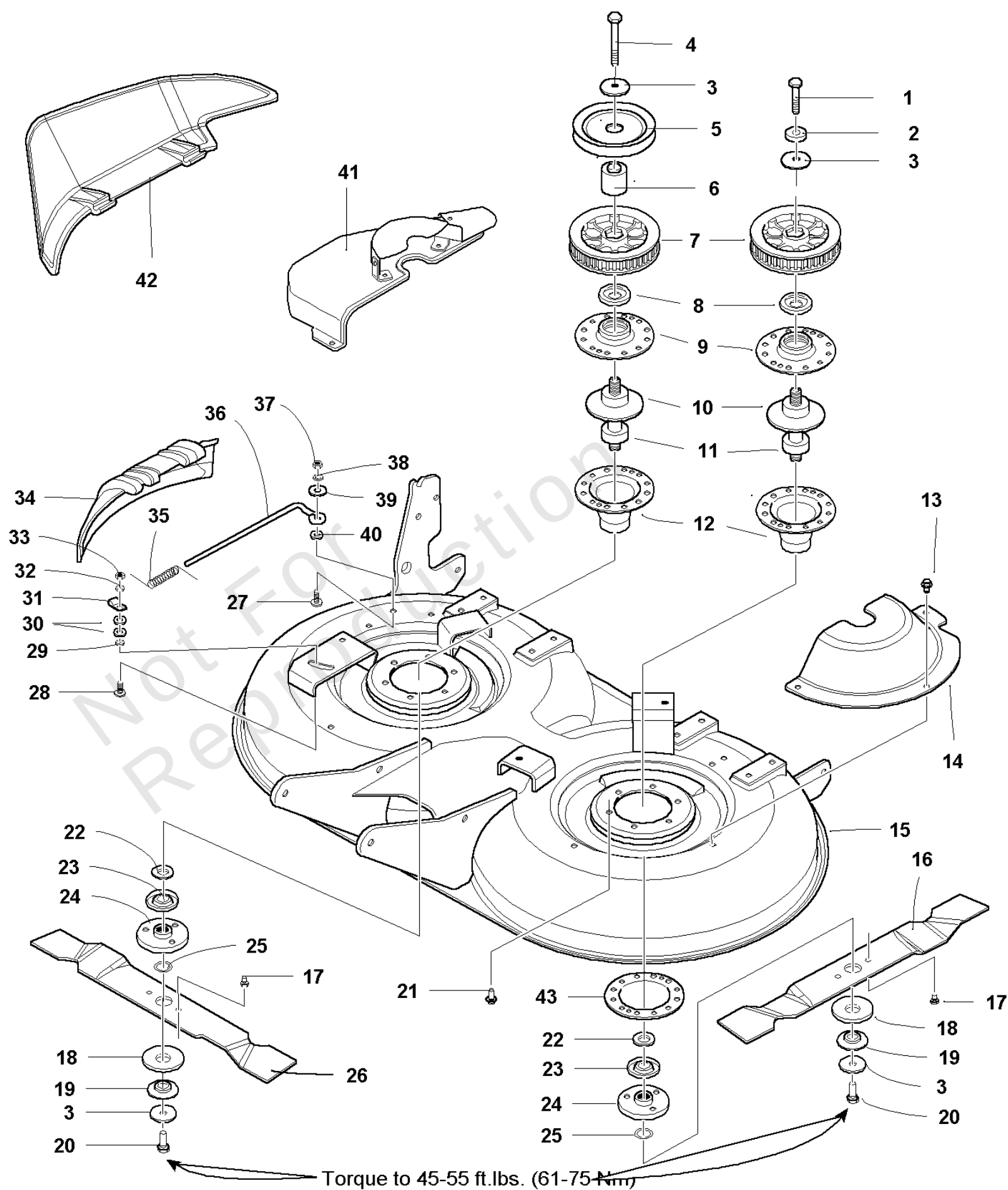
### 40" Mower Deck - Housing, Arbors & Blades Group

| REF NO | PART NO    | QTY | DESCRIPTION                                      |
|--------|------------|-----|--------------------------------------------------|
| 1      | 1936723SM  | 1   | CAPSCREW, Hex Head, 7/16-14 x 1 3/4 G8           |
| 2      | 1933263SM  | 1   | WASHER, 7/16                                     |
| 3      | 1656916SM  | 4   | WASHER, SPRING 0.475I                            |
| 4      | 1930585SM  | 1   | CAPSCREW, Hex Head, 7/16-14 x 3 1/2 G8           |
| 5      | 1713091SM  | 1   | PULLEY                                           |
| 6      | 1719870SM  | 1   | HUB                                              |
| 7      | 1719766SM  | 2   | SPROCKET & FLANGE ASSEMBLY, Riveted              |
| 8      | 1657969SM  | 2   | SHIELD, Bearing Upper, Arbor                     |
| 9      | 1655729ASM | 2   | HOUSING-ARBOR TOP - B                            |
| 10     | 1707335SM  | 2   | GASKET, Foam Poly                                |
| 11     | 1676278A   | 2   | ARBOR SHAFT & BEARINGS ASSEMBLY                  |
| 12     | 1703273ASM | 2   | HOUSING, Arbor Bottom with Lube Fitting          |
| 13     | 1924856SM  | 6   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1/2 |
| 14     | 1724601SM  | 1   | COVER, Arbor, LH                                 |
| 15     | 1686976SM  | 1   | HOUSING ASSEMBLY, 40", Orange                    |
| 15     | 1686976SM  | 1   | HOUSING ASSEMBLY, 40", Red                       |
| 15     | 1687152SM  | 1   | HOUSING ASSEMBLY, 40", Black                     |
| 16     | 1719624ASM | 1   | BLADE-MOWER 20.38 .1                             |
| 17     | 1722258SM  | 2   | PIN, Blade                                       |
| 18     | 1719985SM  | 2   | WASHER, 1"                                       |
| 19     | 1722257SM  | 2   | WASHER, Spline                                   |
| 20     | 2823471SM  | 2   | CAPSCREW, Hex Head, 7/16-14 x 1 1/4 G8           |
| 21     | 1664847SM  | 12  | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 3/4 |
| 22     | 1700230SM  | 2   | WASHER, Shim                                     |
| 23     | 1700229SM  | 2   | SHIELD, Arbor Bearing, Lower                     |
| 24     | 1655777SM  | 2   | ADAPTER, Blade                                   |
| 25     | 1657528SM  | 2   | RING, Retaining, Self Locking                    |
| 26     | 1719623ASM | 1   | BLADE, Mower, RH                                 |
| 27     | 1931335SM  | 1   | BOLT, Carriage, Short Neck, 5/16-18 x 1          |
| 28     | 1931318SM  | 1   | CARRIAGE BOLT, 1/4-20 x 7/8                      |
| 29     | 1960518SM  | 1   | NUT, Push                                        |
| 30     | 1960353SM  | 2   | WASHER, 1/4                                      |
| 31     | 1704873SM  | 1   | CLAMP, WIRE, .312DIA                             |
| 32     | 1916964SM  | 1   | LOCKWASHER, Spring 1/4                           |
| 33     | 1916622SM  | 1   | NUT, Hex 1/4-20                                  |
| 34     | 1719597SM  | 1   | DOOR, Mulching, Black Plastic                    |
| 35     | 1723938SM  | 1   | SPRING, Torsion                                  |
| 36     | 1719617SM  | 1   | ROD, Pivot                                       |
| 37     | 1917372SM  | 1   | NUT, Hex 5/16-18                                 |
| 38     | 1917356SM  | 1   | LOCKWASHER, Spring 5/16                          |
| 39     | 1919381SM  | 1   | WASHER, 5/16                                     |
| 40     | 1933988SM  | 1   | NUT, Push                                        |
| 41     | 1721155SM  | 1   | COVER, Arbor, RH                                 |
| 42     | 1720600SM  | 1   | DEFLECTOR, Discharge                             |
| 43     | 1677274ASM | 2   | ADAPTOR, Arbor                                   |

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

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



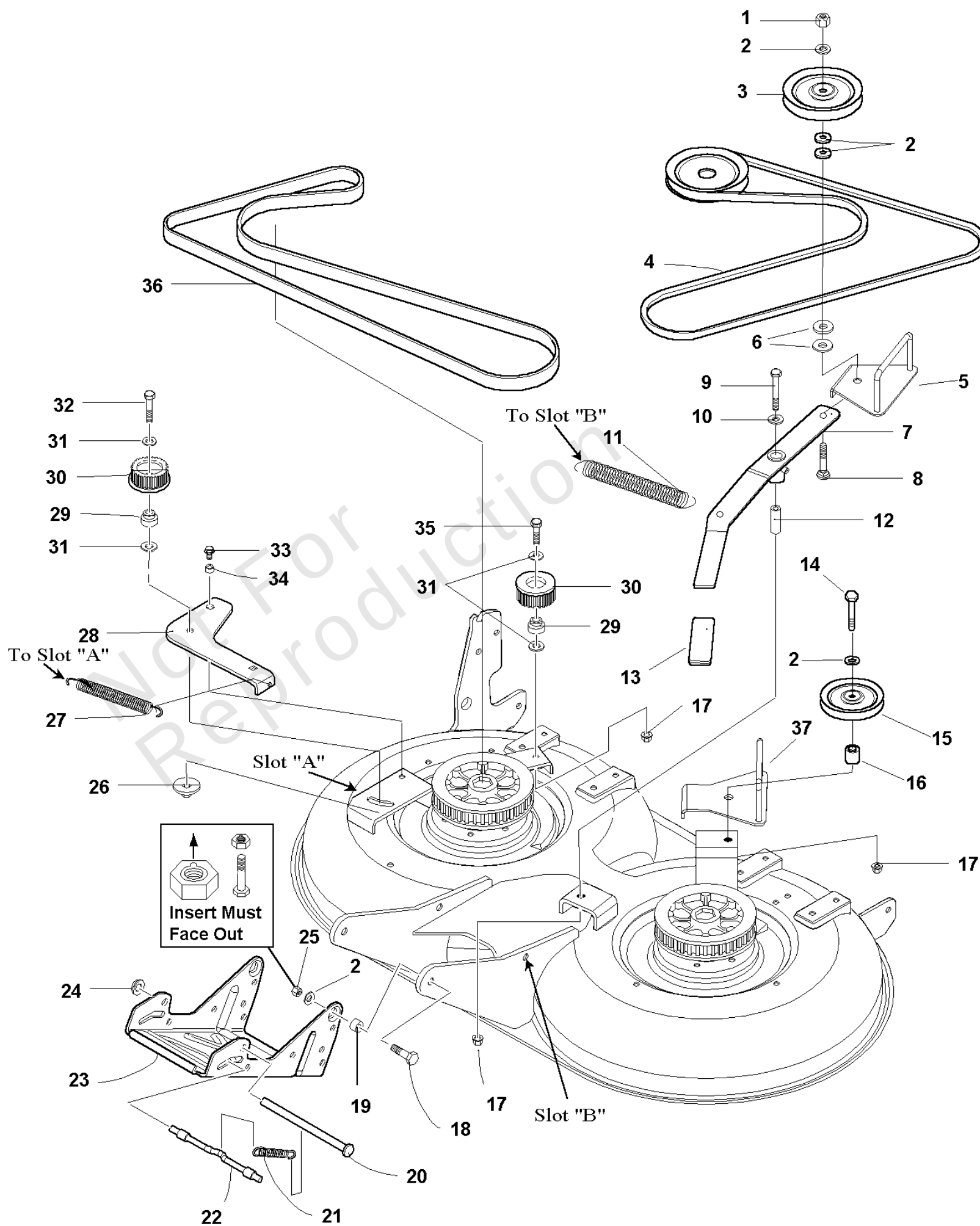
## 40" Mower Deck - Housing, Arbors & Blades Group

| REF NO | PART NO    | QTY | DESCRIPTION                                      |
|--------|------------|-----|--------------------------------------------------|
| 1      | 1930584SM  | 1   | CAPSCREW, Hex Head, 7/16-14 x 2 3/4 G8           |
| 2      | 1933263SM  | 1   | WASHER, 7/16                                     |
| 3      | 1656916SM  | 4   | WASHER, SPRING 0.475I                            |
| 4      | 2860644SM  | 1   | CAPSCREW, Hex Head, 7/16-14 x 4 1/2 G8           |
| 5      | 1713091SM  | 1   | PULLEY                                           |
| 6      | 1719870SM  | 1   | HUB                                              |
| 7      | 1719766SM  | 2   | SPROCKET & FLANGE ASSEMBLY, Riveted              |
| 8      | 1657969SM  | 2   | SHIELD, Bearing Upper, Arbor                     |
| 9      | 1655729ASM | 2   | HOUSING-ARBOR TOP - B                            |
| 10     | 1707335SM  | 2   | GASKET, Foam Poly                                |
| 11     | 1722396SM  | 2   | ARBOR SHAFT & BEARINGS ASSEMBLY                  |
| 12     | 1703273ASM | 2   | HOUSING, Arbor Bottom with Lube Fitting          |
| 13     | 1924856SM  | 6   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1/2 |
| 14     | 1724601SM  | 1   | COVER, Arbor, LH                                 |
| 15     | 1686976SM  | 1   | HOUSING ASSEMBLY, 40", Orange                    |
| 15     | 1686976SM  | 1   | HOUSING ASSEMBLY, 40", Red                       |
| 16     | 1719624ASM | 1   | BLADE-MOWER 20.38 .1                             |
| 17     | 1722258SM  | 2   | PIN, Blade                                       |
| 18     | 1719985SM  | 2   | WASHER, 1"                                       |
| 19     | 1722257SM  | 2   | WASHER, Spline                                   |
| 20     | 2823471SM  | 2   | CAPSCREW, Hex Head, 7/16-14 x 1 1/4 G8           |
| 21     | 1664847SM  | 12  | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 3/4 |
| 22     | 1700230SM  | 2   | WASHER, Shim                                     |
| 23     | 1700229SM  | 2   | SHIELD, Arbor Bearing, Lower                     |
| 24     | 1655777SM  | 2   | ADAPTER, Blade                                   |
| 25     | 1657528SM  | 2   | RING, Retaining, Self Locking                    |
| 26     | 1719623ASM | 1   | BLADE, Mower, RH                                 |
| 27     | 1931335SM  | 1   | BOLT, Carriage, Short Neck, 5/16-18 x 1          |
| 28     | 1931318SM  | 1   | CARRIAGE BOLT, 1/4-20 x 7/8                      |
| 29     | 1960518SM  | 1   | NUT, Push                                        |
| 30     | 1960353SM  | 2   | WASHER, 1/4                                      |
| 31     | 1704873SM  | 1   | CLAMP, WIRE, .312DIA                             |
| 32     | 1916964SM  | 1   | LOCKWASHER, Spring 1/4                           |
| 33     | 1916622SM  | 1   | NUT, Hex 1/4-20                                  |
| 34     | 1719597SM  | 1   | DOOR, Mulching, Black Plastic                    |
| 35     | 1723938SM  | 1   | SPRING, Torsion                                  |
| 36     | 1719617SM  | 1   | ROD, Pivot                                       |
| 37     | 1917372SM  | 1   | NUT, Hex 5/16-18                                 |
| 38     | 1917356SM  | 1   | LOCKWASHER, Spring 5/16                          |
| 39     | 1919381SM  | 1   | WASHER, 5/16                                     |
| 40     | 1933988SM  | 1   | NUT, Push                                        |
| 41     | 1721155SM  | 1   | COVER, Arbor, RH                                 |
| 42     | 1720600SM  | 1   | DEFLECTOR, Discharge                             |
| 43     | 1677274ASM | 2   | ADAPTOR, Arbor                                   |

# 40" Mower Deck - Belt, Idler Arm & Hitch Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



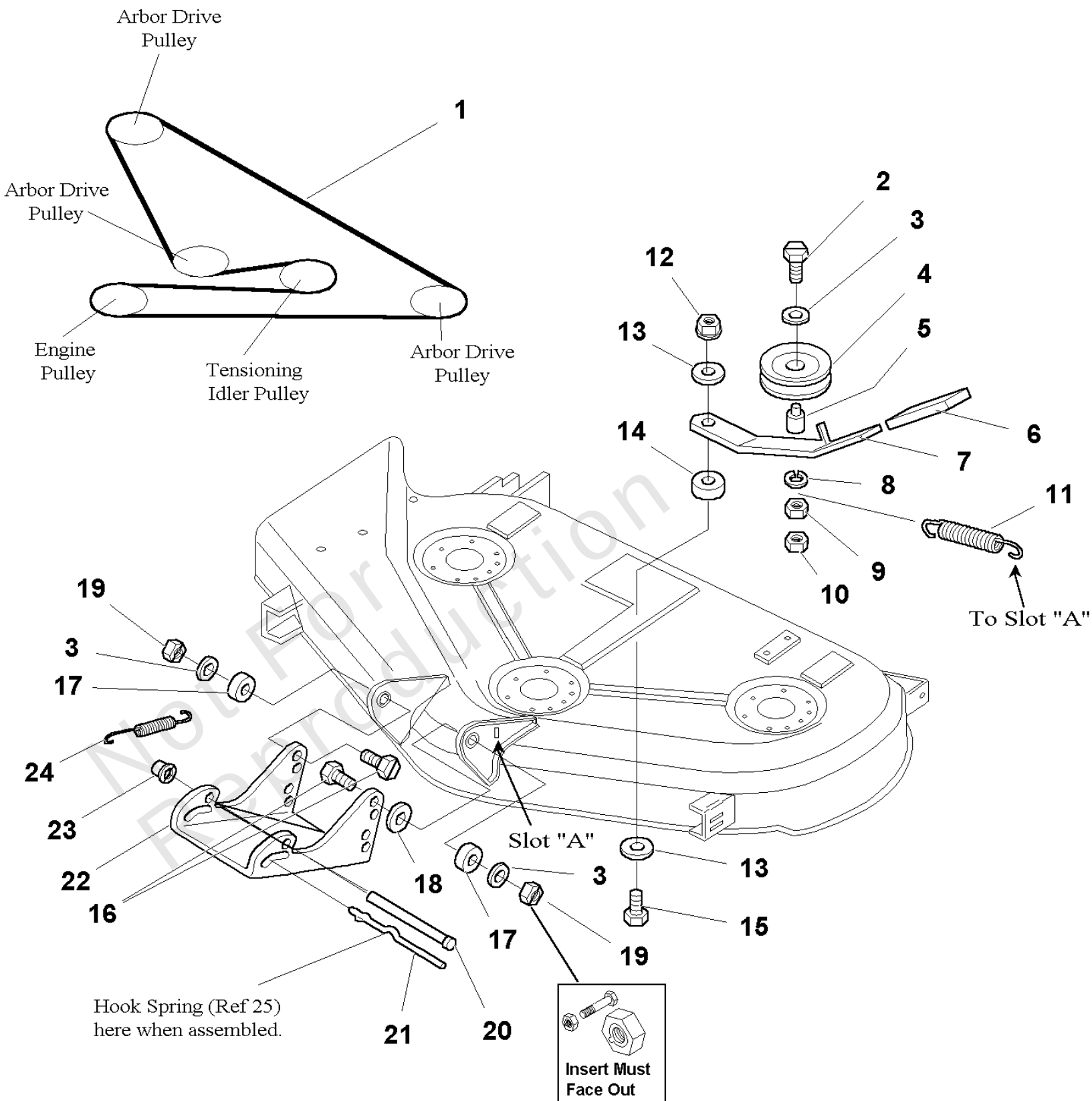
### 40" Mower Deck - Belt, Idler Arm & Hitch Group

| REF NO | PART NO    | QTY | DESCRIPTION                                      |
|--------|------------|-----|--------------------------------------------------|
| 1      | 1919439SM  | 1   | NUT, Hex Lock Esna Light, 3/8-16                 |
| 2      | 1924940SM  | 7   | WASHER, 3/8                                      |
| 3      | 1725408SM  | 1   | PULLEY, Idler                                    |
| 4      | 1721532SM  | 1   | BELT, 83.1                                       |
| 5      | 1722175ASM | 1   | BELT GUIDE                                       |
| 6      | 1960534SM  | 2   | WASHER, 3/8                                      |
| 7      | 1724835SM  | 1   | ARM ASSEMBLY, Idler with Bushings & Fitting      |
| 8      | 1960315SM  | 1   | CARRIAGE BOLT, 3/8-16 x 2                        |
| 9      | 1928957SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2 3/4 G8            |
| 10     | 1922755SM  | 1   | WASHER, 3/8                                      |
| 11     | 1715435SM  | 1   | SPRING, EXTENSION, 1.                            |
| 12     | 1657242SM  | 1   | SPACER, Hardened                                 |
| 13     | 1719965SM  | 1   | GRIP, Black Vinyl for Handle                     |
| 14     | 1922130SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2 1/4               |
| 15     | 2174497    | 1   | PULLEY                                           |
| 16     | 1667812SM  | 1   | SPACER                                           |
| 17     | 1928352SM  | 4   | NUT, Hex Flange Whiz Lock, Large, 3/8-16         |
| 18     | 1921969SM  | 2   | CAPSCREW, Hex Head, 3/8-16 x 1 1/2               |
| 19     | 2172329SM  | 2   | SPACER                                           |
| 20     | 1713578SM  | 1   | ROD, Mower Hitch                                 |
| 21     | 2156302    | 1   | SPRING                                           |
| 22     | 1715759SM  | 1   | ROD, 3/8 x 8                                     |
| 23     | 1720044ASM | 1   | HITCH, Mower                                     |
| 24     | 1960519SM  | 1   | NUT, Push                                        |
| 25     | 1919439SM  | 2   | NUT, Hex Lock Esna Light, 3/8-16                 |
| 26     | 1721425SM  | 1   | WASHER & NUT ASSEMBLY, 3/8 x 1 1/2               |
| 27     | 1674671SM  | 1   | SPRING, Extension                                |
| 28     | 1726387    | 1   | ARM, Idler                                       |
| 29     | 1719221SM  | 2   | HUB                                              |
| 30     | 1719562SM  | 2   | PULLEY, Idler, 22 Teeth                          |
| 31     | 1922755SM  | 5   | WASHER, 3/8                                      |
| 32     | 1923701SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2                   |
| 33     | 1930601SM  | 1   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1/2 |
| 34     | 1666697SM  | 1   | SPACER                                           |
| 35     | 1921971SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 1 3/4               |
| 36     | 1721118SM  | 1   | BELT, Timing                                     |
| 37     | 1722182ASM | 1   | BELT GUIDE                                       |

44" Mower Deck - Belt, Idler Arm & Hitch Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



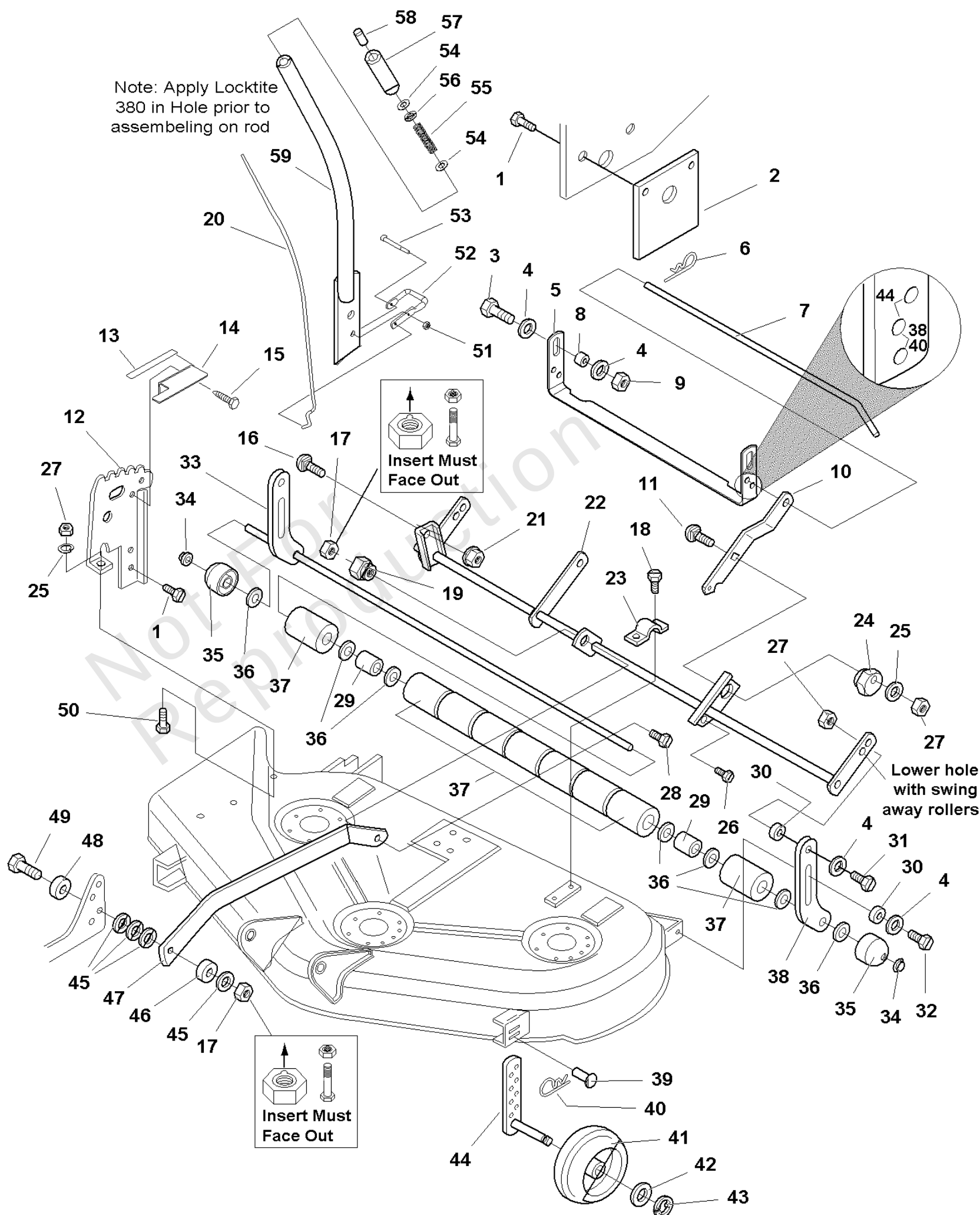
### 44" Mower Deck - Belt, Idler Arm & Hitch Group

| REF NO | PART NO    | QTY | DESCRIPTION                        |
|--------|------------|-----|------------------------------------|
| 1      | 1718017SM  | 1   | V-BELT, Arbor Drive                |
| 2      | 1921972SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2-1/2 |
| 3      | 1924940SM  | 3   | WASHER, 3/8                        |
| 4      | 2171247SM  | 1   | PULLEY ASSEMBLY, 5 OD              |
| 5      | 1667812SM  | 1   | SPACER                             |
| 6      | 1665835    | 1   | GRIP, Lever                        |
| 7      | 1718020ASM | 1   | ARM, Idler                         |
| 8      | 1916965SM  | 1   | LOCKWASHER, Spring, 3/8            |
| 9      | 1916950SM  | 1   | NUT, Hex, 3/8-16                   |
| 10     | 1930645SM  | 1   | NUT, Hex Flange Lock, 3/8-16       |
| 11     | 1715772SM  | 1   | SPRING, Idler Arm                  |
| 12     | 1960339SM  | 1   | NUT, Hex, Center Lock, 3/8-16      |
| 13     | 1924356SM  | 2   | WASHER, 3/8                        |
| 14     | 1714255SM  | 1   | SPACER, Idler Arm                  |
| 15     | 1922605SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 1-1/4 |
| 16     | 1921968SM  | 2   | CAPSCREW, Hex, 3/8-16 x 1-3/8      |
| 17     | 2157081SM  | 2   | SPACER                             |
| 18     | 1919384SM  | 1   | WASHER-0.375(0.44)IDX1             |
| 19     | 2860681SM  | 2   | NUT, Hex Flange, 3/8-16            |
| 20     | 1713578SM  | 1   | ROD, Mower Hitch                   |
| 21     | 1715759SM  | 1   | ROD, 3/8 x 8                       |
| 22     | 1713561A   | 1   | HITCH                              |
| 23     | 1960519SM  | 1   | NUT, Push, 1/2                     |
| 24     | 2156302    | 1   | SPRING                             |

# 44" Mower Deck - Height Adjustment & Roller Bar

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



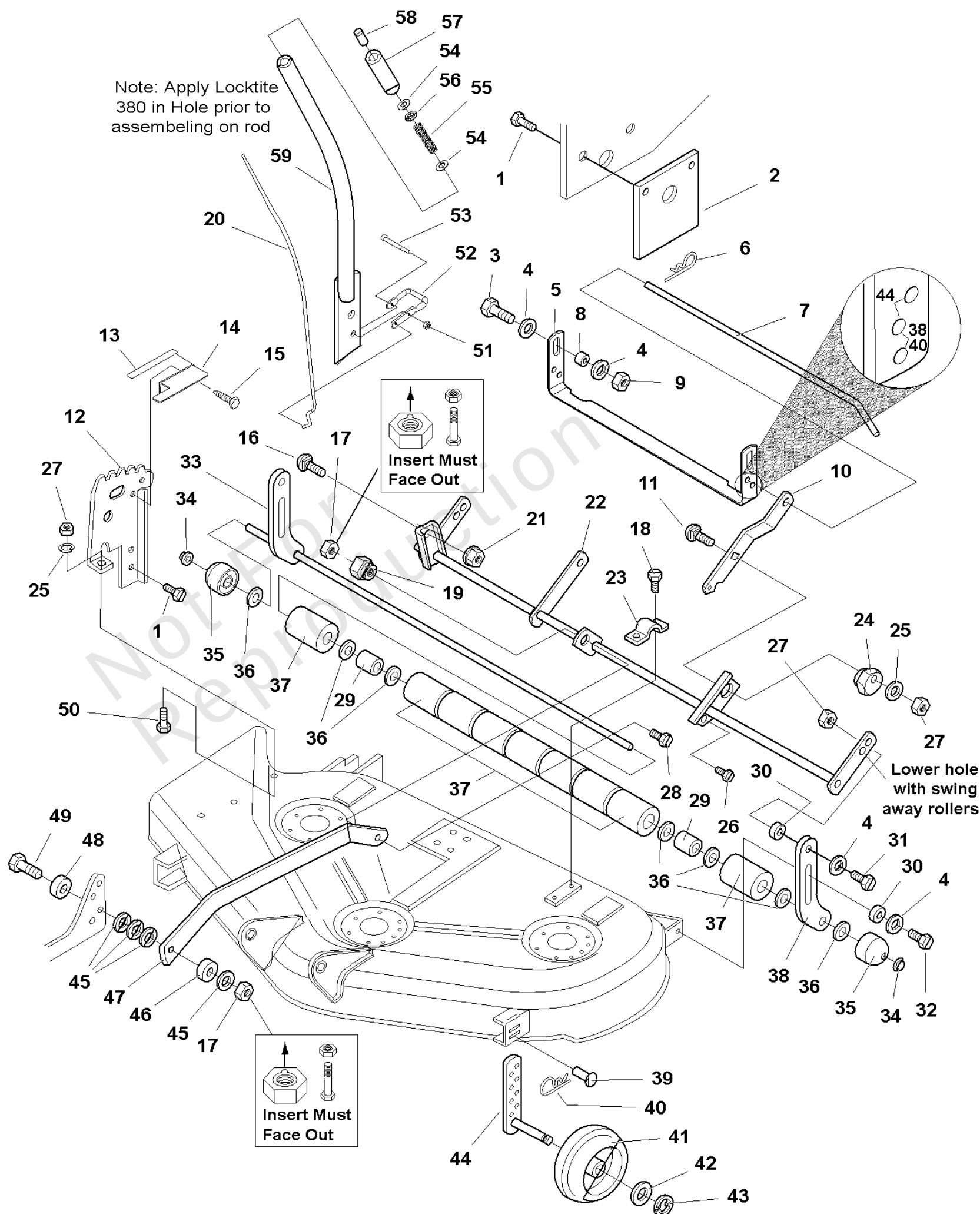
## 44" Mower Deck - Height Adjustment & Roller Bar

| REF NO | PART NO    | QTY | DESCRIPTION                                       |
|--------|------------|-----|---------------------------------------------------|
| 1      | 1960541SM  | 2   | CAPSCREW, Hex Head Taptite, 5/16-18 x 3/4         |
| 2      | 1716555ASM | 1   | BRACKET, Upstop                                   |
| 3      | 1921977SM  | 2   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4               |
| 4      | 1960044SM  | 8   | WASHER-0.312(0.33IDX1                             |
| 5      | 1720372A   | 1   | BRACKET, U                                        |
| 6      | 1960074SM  | 1   | CLIP, HAIR PIN .093DI                             |
| 7      | 1714529SM  | 1   | ROD, Transport                                    |
| 8      | 1710703SM  | 2   | SPACER, 3/8 x 1/2 x 5/8                           |
| 9      | 1923362SM  | 2   | NUT, Hex Lock, 5/16-18                            |
| 10     | 1717145ASM | 1   | ARM, Rear                                         |
| 11     | 1960655SM  | 1   | CARRIAGE BOLT, 5/16-18 x 1-1/4                    |
| 12     | 1721552A   | 1   | QUADRANT, 44"                                     |
| 13     | 1720919SM  | 1   | DECAL, Height                                     |
| 14     | 1721635A   | 1   | BRACKET, Decal                                    |
| 15     | 1924856SM  | 2   | CAPSCREW, Hex Head, Taptite, 5/16-18 x 1/2        |
| 16     | 1931350SM  | 1   | BOLT, RD HD SH SQ NK                              |
| 17     | 2860681SM  | 2   | NUT, Hex Flange, 3/8-16                           |
| 18     | 1960594SM  | 1   | CAPSCREW, Hex Head Taptite, 5/16-18 x 7/8         |
| 19     | 1704082SM  | 1   | NUT, Hex Adjusting, 11/16                         |
| 20     | 1721634SM  | 1   | ROD, Latch                                        |
| 21     | 1919439SM  | 1   | NUT, Hex Lock, ESNA, 3/8-16                       |
| 22     | 1724549ASM | 1   | ARM ASSEMBLY, Rocker                              |
| 23     | 1665374SM  | 2   | STRAP-1.00WD 3.06LG .                             |
| 24     | 1714879SM  | 1   | ECCENTRIC                                         |
| 25     | 1924874SM  | 1   | WASHER, 5/16                                      |
| 26     | 1664847SM  | 6   | CAPSCREW, Hex Head Taptite, 5/16-18 x 3/4         |
| 27     | 2860643SM  | 2   | NUT, Hex Flange Collar Lock, 5/16-18              |
| 28     | 1931352SM  | 1   | BOLT, Carriage, Short Neck, 3/8-16 x 1-1/2        |
| 29     | 1709195SM  | 2   | SPACER, .66 X 7/8 X 1 1/4                         |
| 30     | 1960236SM  | 4   | SPACER                                            |
| 31     | 703570     | 2   | CAPSCREW, Hex Head, 5/16-18 x 1 1/4               |
| 32     | 1960373SM  | 4   | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 1    |
| 33     | 1719907ASM | 1   | SHAFT ASSEMBLY                                    |
| 34     | 1960520SM  | 2   | NUT, Push, 5/8                                    |
| 35     | 1717675SM  | 2   | ROLLER, .650 ID, 2.5" OD, 2.05" Long, Rounded End |
| 36     | 1924366SM  | 7   | WASHER, 5/8                                       |
| 37     | 1668513SM  | 9   | ROLLER, .652 ID, 2.50 OD, 4.10 LG                 |
| 38     | 1719846ASM | 1   | BAR, Roller, Support                              |
| 39     | 1960288SM  | 2   | PIN                                               |
| 40     | 1960221SM  | 2   | CLIP, Hair Pin                                    |
| 41     | 1714760SM  | 2   | GAUGE WHEEL                                       |
| 42     | 1960027SM  | 2   | WASHER, 1/2                                       |
| 43     | 2158399SM  | 2   | "E"-RING, 1/2                                     |
| 44     | 1714878ASM | 2   | ARM ASSEMBLY, Adjustable                          |
| 45     | 1924940SM  | 4   | WASHER, 3/8                                       |
| 46     | 1611705SM  | 1   | SPACER-0.385IDX0                                  |
| 47     | 1718019A   | 1   | ARM, Pitch                                        |
| 48     | 1667812SM  | 1   | SPACER                                            |
| 49     | 1923701SM  | 1   | CAPSCREW, Hex Head, 3/8-16 x 2                    |
| 50     | 1921332SM  | 1   | CAPSCREW, Hex Head, 5/16-18 x 3/4                 |
| 51     | 1920397SM  | 1   | NUT, Hex Lock ESNA, 1/4-20                        |

# 44" Mower Deck - Height Adjustment & Roller Bar

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



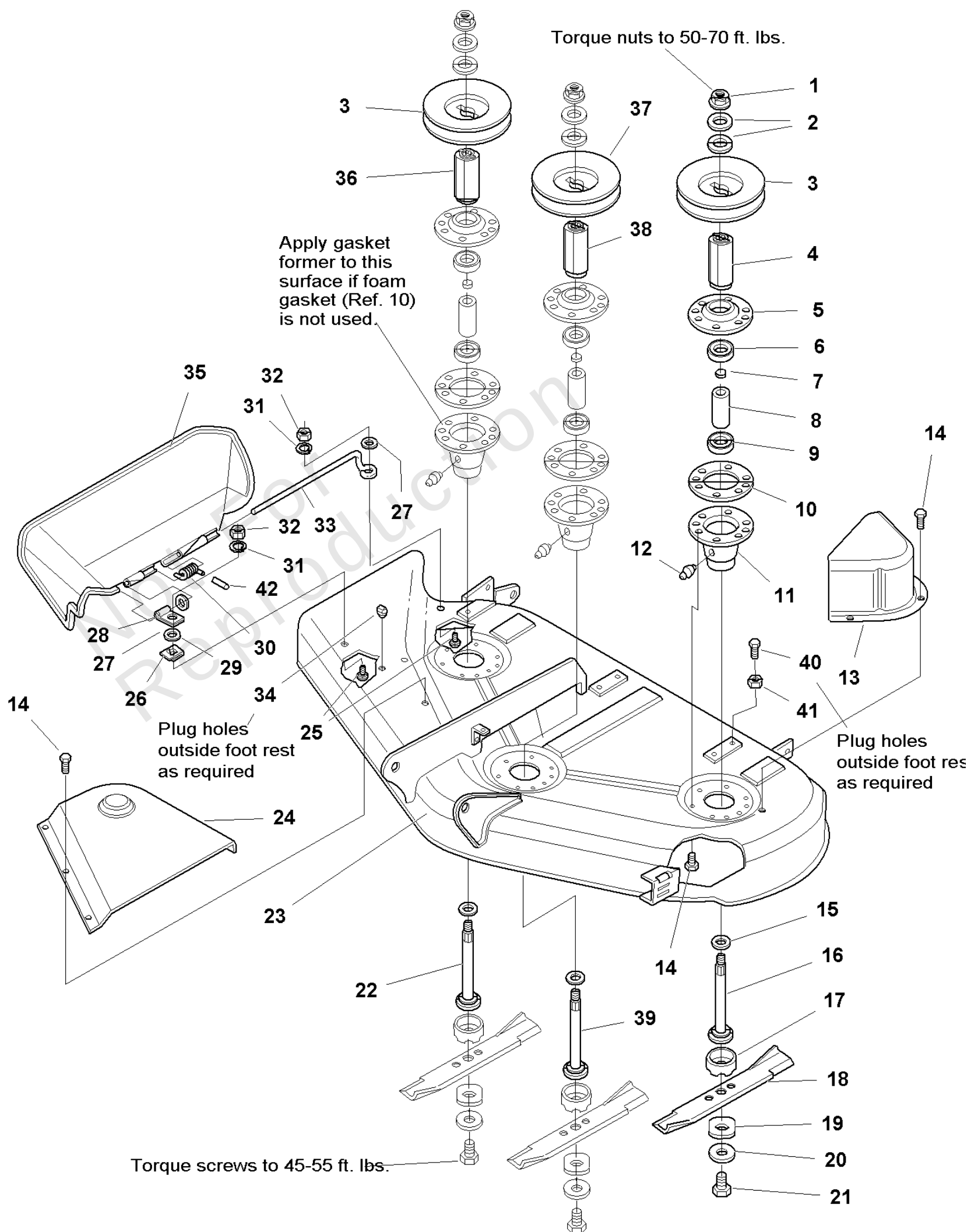
## 44" Mower Deck - Height Adjustment & Roller Bar

| REF NO | PART NO    | QTY | DESCRIPTION                        |
|--------|------------|-----|------------------------------------|
| 52     | 1720599SM  | 1   | LATCH                              |
| 53     | 1921159SM  | 1   | CAPSCREW, Hex Head, 1/4-20 x 2-1/4 |
| 54     | 1918265SM  | 2   | WASHER, 5/16                       |
| 55     | 1723321SM  | 1   | SPRING-COMP 0.715ODX               |
| 56     | 1960674SM  | 1   | NUT-PUSH PAL .250 DIA              |
| 57     | 1713995SM  | 1   | GRIP, Lift Lever                   |
| 58     | 1723124SM  | 1   | BUTTON                             |
| 59     | 1721620ASM | 1   | HANDLE ASSEMBLY                    |

# 44" Mower Deck - Housing, Arbors & Blades

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1693935



## 44" Mower Deck - Housing, Arbors & Blades

| REF NO | PART NO    | QTY | DESCRIPTION                                                               |
|--------|------------|-----|---------------------------------------------------------------------------|
| 1      | 1714419SM  | 3   | NUT, Hex, Flange, 9/16-8                                                  |
| 2      | 1713675SM  | 6   | WASHER, Bellville .56ID x 1.34 OD x .05T                                  |
| 3      | 1713161SM  | 2   | PULLEY, LH, .49" Shallow-Groove OD 4.5"                                   |
| 4      | 1713616SM  | 1   | HUB, Adapter, LH                                                          |
| 5      | 1655729ASM | 3   | HOUSING-ARBOR TOP - B                                                     |
| 6      | 2108202SM  | 3   | BEARING, BALL                                                             |
| 7      | 1715724SM  | 3   | SPACER, Sleeve, Upper Bearing                                             |
| 8      | 1732544SM  | 3   | SPACER, Arbor, Internal                                                   |
| 9      | 1705897SM  | 3   | BEARING, BALL 11/16X1                                                     |
| 10     | 1707335SM  | 3   | GASKET, Foam                                                              |
| 11     | 1713338ASM | 3   | HOUSING ASSEMBLY, Arbor Bottom, w/Lube Fitting<br>-(Includes Ref. No. 12) |
| 12     | 1704314SM  | 3   | LUBE FITTING, .250 DR                                                     |
| 13     | 1720560ASM | 1   | COVER, Arbor LH                                                           |
| 14     | 1664847SM  | 28  | CAPSCREW, Taptite Hex Washer Head, 5/16-18 x 3/4                          |
| 15     | 1713619SM  | 3   | WASHER, Cup, 23/32                                                        |
| 16     | 1713612SM  | 1   | SHAFT, Arbor LH                                                           |
| 17     | 1713196SM  | 3   | SHIELD, Grass, Lower                                                      |
| 18     | 1704100ASM | 3   | BLADE, Mower, 16-1/8                                                      |
| 19     | 1713089SM  | 3   | WASHER, Hex                                                               |
| 20     | 1656916SM  | 3   | WASHER, SPRING 0.475I                                                     |
| 21     | 2823471SM  | 3   | CAPSCREW, Hex, Head, 7/16-14 x 1-1/4                                      |
| 22     | 1713609SM  | 1   | SHAFT, Arbor (RH)                                                         |
| 23     | 1687171SM  | 1   | HOUSING ASSEMBLY, Red                                                     |
| 23     | 1686816SM  | 1   | HOUSING ASSEMBLY, Orange                                                  |
| 23     | 1687150SM  | 1   | HOUSING ASSEMBLY, Black                                                   |
| 24     | 1715673SM  | 1   | COVER, Arbor (RH)                                                         |
| 25     | 1931318SM  | 2   | CARRIAGE BOLT, 1/4-20 x 7/8                                               |
| 26     | 1960518SM  | 2   | NUT, Push                                                                 |
| 27     | 1960353SM  | 2   | WASHER, Plain, 1/4                                                        |
| 28     | 1704873SM  | 1   | CLAMP, WIRE, .312DIA                                                      |
| 29     | 1919326SM  | 1   | WASHER, 5/16                                                              |
| 30     | 1723938SM  | 1   | SPRING, Deflector Retaining                                               |
| 32     | 1920397SM  | 2   | NUT, Hex, 1/4-20 ESNA                                                     |
| 33     | 1706709SM  | 1   | ROD-.283DIA 11.65LG D                                                     |
| 34     | 1705115SM  | 1   | * PLUG, Hole                                                              |
| 35     | 1705449SM  | 1   | DEFLECTOR, Plastic                                                        |
| 36     | 1713613SM  | 1   | HUB, Pulley, RH                                                           |
| 37     | 1718021SM  | 1   | PULLEY, Arbor (Center)                                                    |
| 38     | 1713614SM  | 1   | HUB, Pulley (Center)                                                      |
| 39     | 1713610SM  | 1   | SHAFT, Arbor (Center)                                                     |
| 40     | 1924856SM  | 3   | * CAPSCREW, Hex Head, Taptite, 5/16-18 x 1/2                              |
| 41     | 1931277SM  | 3   | * NUT, Hex Whiz Lock, 5/16-18                                             |
| 42     | 1723323SM  | 1   | CAP, Spring End                                                           |

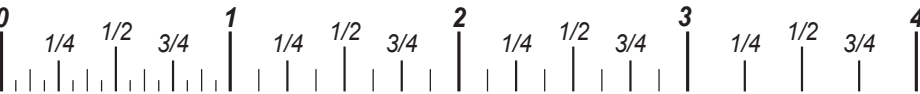
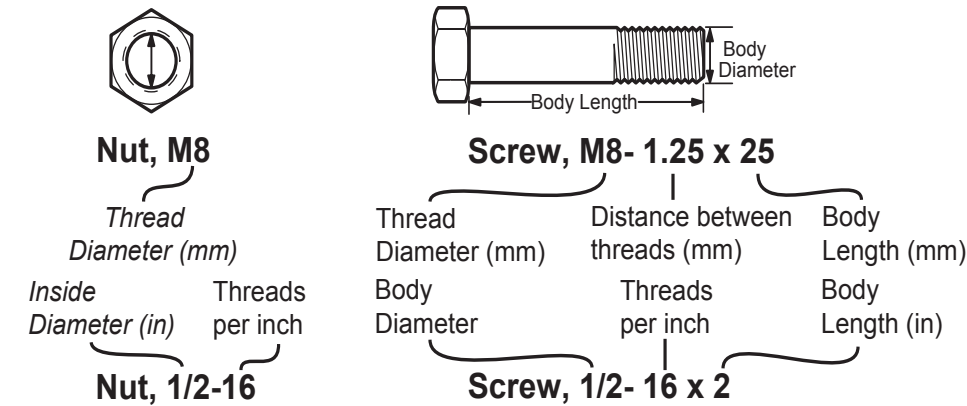
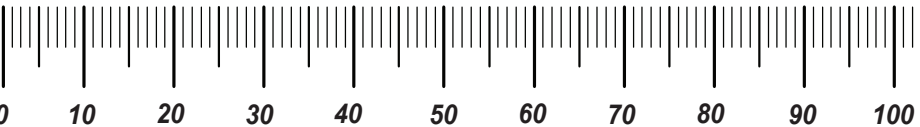
### Footnotes:

Note:\* Plug holes outside footrest as required

# 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).

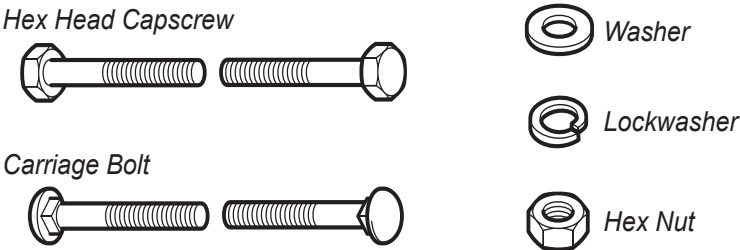
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

