

# Hustler Raptor Flip-Up Parts Manual (CE)



## Contents

|                                                                        |     |
|------------------------------------------------------------------------|-----|
| General Information .....                                              | 1   |
| <b>Frame</b>                                                           |     |
| Frame .....                                                            | 3-1 |
| <b>Hydraulic &amp; Steering</b>                                        |     |
| Hydraulic System .....                                                 | 4-1 |
| Transmission Service Parts - 604708 .....                              | 4-2 |
| Transmission Service Parts - 604709 .....                              | 4-3 |
| Steering & Deck Lift Controls—S/N 16042182 & Higher (Multi-Page) ..... | 4-4 |
| Steering & Deck Lift Controls—S/N Prior to 16042182 (Multi-Page) ..... | 4-5 |
| Steering & Deck Lift Controls Sub-Assembly .....                       | 4-6 |
| <b>Wheels &amp; Tires</b>                                              |     |
| Wheel & Tire .....                                                     | 5-1 |
| Front Tire Breakdown .....                                             | 5-2 |
| Drive Wheel Breakdown .....                                            | 5-3 |
| <b>Engine &amp; Fuel Tank</b>                                          |     |
| Engine (Multi-Page) .....                                              | 6-1 |
| Engine Service Parts .....                                             | 6-2 |
| Fuel System .....                                                      | 6-3 |
| <b>Electrical</b>                                                      |     |
| Battery .....                                                          | 7-1 |
| Fenders & Instrument Panel (Multi-Page) .....                          | 7-2 |
| <b>Deck</b>                                                            |     |
| 48" Side Discharge Service Deck .....                                  | 8-1 |
| 48" Side Discharge Deck Pulleys & Spindles .....                       | 8-2 |
| 48" Side Discharge Deck .....                                          | 8-3 |
| 48" Rear Discharge Service Deck .....                                  | 8-4 |
| 48" Rear Discharge Deck Pulleys & Spindles .....                       | 8-5 |
| 48" Rear Discharge Deck .....                                          | 8-6 |
| Rear Discharge Deck Shield .....                                       | 8-7 |
| Deck Carrier (Multi-Page) .....                                        | 8-8 |
| <b>Seat</b>                                                            |     |
| Seat, Standard .....                                                   | 9-1 |
| Seat Service Parts - Standard Seat .....                               | 9-2 |
| Seat, Seats Inc. ....                                                  | 9-3 |
| Seat Service Parts, Seats Inc. ....                                    | 9-4 |
| Appendix A:Pagina-index .....                                          | A   |
| Appendix B:Onderdelenindex .....                                       | B   |

---

# General Information

*This manual covers Hustler® Raptor® Flip-Up models 935288CE & 935452CE.*

---

## **Service Literature**

| PART NO. | DESCRIPTION            |
|----------|------------------------|
| 121539   | WARRANTY STATEMENT     |
| 121535   | GENERAL SERVICE MANUAL |
| 606224CE | OPERATOR'S MANUAL      |

---

## **Options Available From Your Dealer**

| PART NO. | DESCRIPTION                  |
|----------|------------------------------|
| 933804   | 2 BAG CATCHER                |
| 119101   | MULCH KIT                    |
| 121472   | STRIPE KIT                   |
| 121505   | LIGHT KIT                    |
| 121696   | ENGINE GUARD KIT             |
| 333724   | STEERING LEVER EXTENSION KIT |
| 605677   | FLEX FORKS KIT               |

*Note: When ordering parts, you must use the part number as shown for each part, not the index number. Always give the model and serial number to your parts and service representative.*

*Note: Items sold in bulk such as seals and hoses are sold by the foot.*

---

## **Using This Manual**

*This manual is part of a service package for the Hustler® mowers. Use of this manual in conjunction with other Hustler® mower and component manuals will provide the information necessary to service and maintain Hustler® mowers.*

*This Parts Manual provides a complete parts listing for the unit. Use this manual when ordering parts. Illustrations used were current at the time of printing, but subsequent production changes may cause your machine to vary slightly in detail. Excel Industries, Inc. reserves the right to redesign and change the machine as deemed necessary, without notification. If a change has been made to your machine which is not reflected in this parts manual, see your authorized dealer for current information and parts.*

*The Service Manual is a service guide for use by Service Technicians. It provides the necessary information needed to perform normal maintenance requirements on these units.*

*The Operator's Manual provides fundamental operational information and operational safety that is needed when operating the mower.*

*The component manuals are furnished by the various manufacturers to be used for the troubleshooting and servicing of their products.*

---

## **Hardware Description Codes & Abbreviations**

*The following codes are used throughout this parts manual. Refer to this list when ordering parts.*

| ABBREVIATION | DESCRIPTION   | ABBREVIATION | DESCRIPTION            |
|--------------|---------------|--------------|------------------------|
| CB           | CARRIAGE BOLT | MB           | MACHINE BUSHING        |
| CE           | CLEVIS PIN    | MS           | MACHINE SCREW          |
| CN           | CLIP NUT      | NT           | NUT                    |
| CP           | COTTER PIN    | SC           | SELF TAPPING CAP SCREW |
| CS           | CAP SCREW     | SH           | SOCKET HEAD            |
| CW           | CUP WASHER    | SB           | SHOULDER BOLT          |
| FDRW         | FENDER WASHER | SS           | SET SCREW              |
| FW           | FLAT WASHER   | OD           | OUTSIDE DIAMETER       |
| HX           | HEX HEAD      | ID           | INSIDE DIAMETER        |
| LW           | LOCK WASHER   | WN           | WELD NUT               |

---

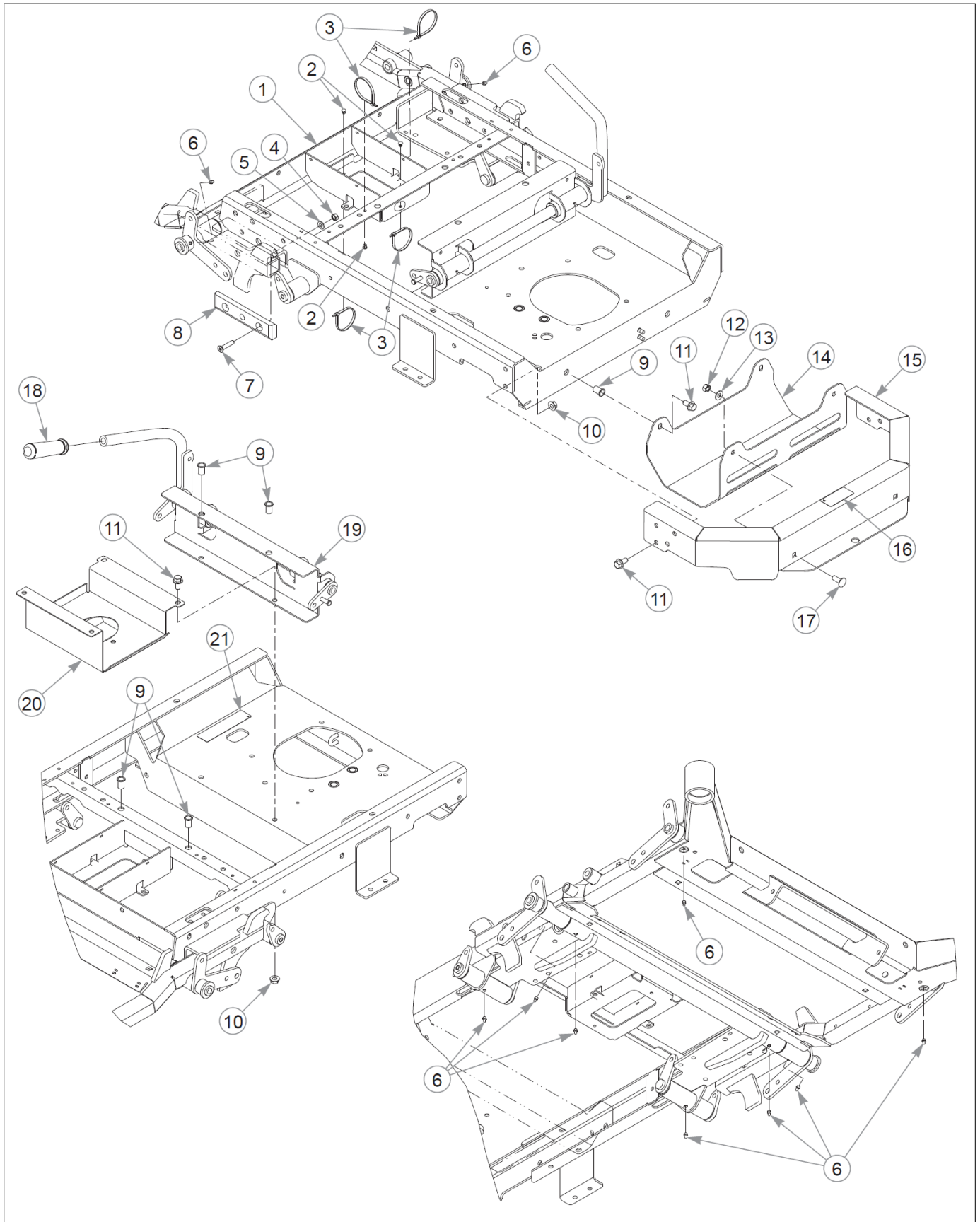
## **Standard Torques**

*The following chart lists the standard torque values for the threaded fasteners found in this manual. Torque all cap screws, nuts and set screws to these values unless a different torque is shown in the Notes section next to the fastener.*

| SIZE | FT-LBS | N•M  | SIZE | FT-LBS | N•M   |
|------|--------|------|------|--------|-------|
| .250 | 8.2    | 11.1 | M3   | 1      | 1.3   |
| .312 | 17     | 23   | M4   | 2.2    | 3     |
| .375 | 30     | 40   | M5   | 4.5    | 6.1   |
| .438 | 48     | 65   | M6   | 7.7    | 10.4  |
| .500 | 73     | 99   | M8   | 18.5   | 25    |
| .562 | 105    | 143  | M10  | 37     | 50    |
| .625 | 145    | 200  | M12  | 64     | 87    |
| .750 | 260    | 350  | M14  | 80     | 108.5 |
| .875 | 420    | 565  | M16  | 160    | 215   |
| 1.00 | 625    | 850  | M20  | 320    | 435   |
|      |        |      | M24  | 555    | 750   |



# Frame



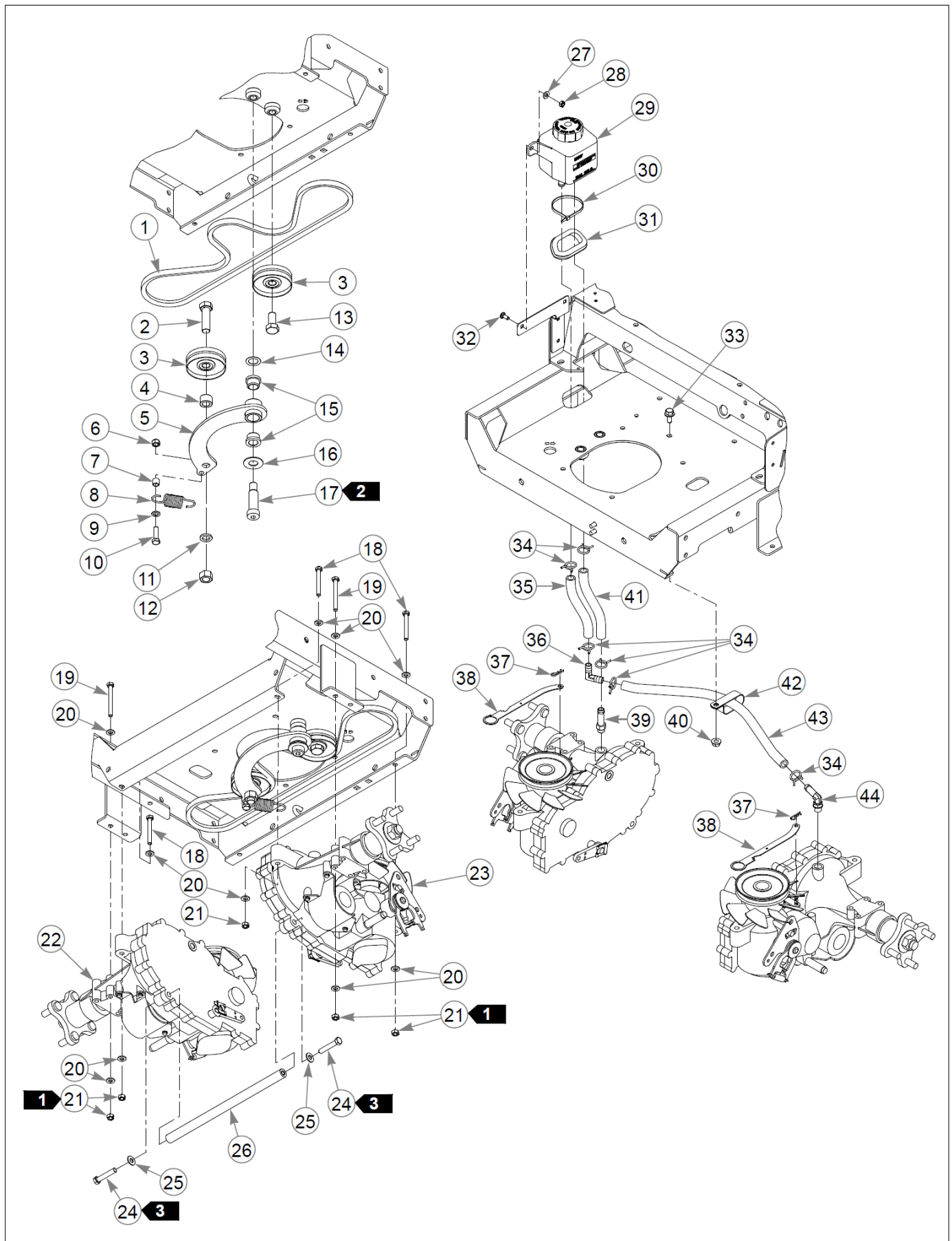
| Item      | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|-----------|-----------------|--------------------------|--------|---------|
| 1         | 552930          | SVC, FRAME RFU           | 1      | EA      |
| 2         | 604307          | MOUNT, PUSH BUTTON       | 3      | EA      |
| 3         | 000331          | WIRE TIE, SMALL/SHORT    | 4      | EA      |
| 4         | 034272          | NT .312-18HXG5           | 4      | EA      |
| 5         | 768523          | FW 0.343SAE              | 4      | EA      |
| 6         | 015495          | GREASE FITTING STRAIGHT  | 10     | EA      |
| 7         | 797910          | CS .312-18x1.50FLT SH ZY | 4      | EA      |
| 8         | 604888          | GUIDE BLOCK, CARRIER     | 2      | EA      |
| 9         | 808493          | RIVET NUT, 3/8-16 THREA  | 6      | EA      |
| 10        | 016899          | NT .375-16 FLKG5         | 6      | EA      |
| 11        | 029629          | CS .375-16X0.750FLK      | 8      | EA      |
| 12        | 054502          | NT .375-16HXG5           | 2      | EA      |
| 13        | 767954          | FW 0.379 x 0.813 x 0.063 | 2      | EA      |
| 14        | 121430          | MUFFLER SHIELD           | 1      | EA      |
| 15        | 552922          | SVC, BUMPER RFU          | 1      | EA      |
| 16        | 602041          | DECAL, HOT               | 1      | EA      |
| 17        | 025395          | CB .375-16X 1.00 G5 ZNY  | 2      | EA      |
| 18        | 605299          | HAND GRIP, 7/8 I.D.      | 1      | EA      |
| 19        | 120370          | W/A, FRAME LATCH         | 1      | EA      |
| 20        | 121108          | SUPPORT, FUEL TANK W/A   | 1      | EA      |
| 21        | 605650          | DECAL, TIP OVER DANGER   | 1      | EA      |
| Not Shown | 605547          | WIRE HARNESS             | 1      | EA      |
| Not Shown | 602725          | WIRE TIE,                | 1      | EA      |

Comments for Page: Frame

jmumford@excelii.com on Nov 6, 2015

1. The frame includes the decal (605650).
2. The bumper (552922) includes the decal (602041).

## Hydraulic &amp; Steering



| Item      | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|-----------|-----------------|--------------------------|--------|---------|
| 1         | 786533          | BELT, A 57.880" EL       | 1      | EA      |
| 2         | 601983          | CS .625-11 X 2.25 HXG5ZY | 1      | EA      |
| 3         | 605657          | PULLEY, IDLER 3.25       | 2      | EA      |
| 4         | 121319          | IDLER SPACER             | 1      | EA      |
| 5         | 121728          | TENSION ARM W/A          | 1      | EA      |
| 6         | 086660          | NT .375-16NLG5           | 1      | EA      |
| 7         | 605481          | BUSHING                  | 1      | EA      |
| 8         | 605655          | SPRING, PUMP IDLER       | 1      | EA      |
| 9         | 704718          | FW .406X .688X.060 ZNYC  | 1      | EA      |
| 10        | 052860          | CS .375-16X1.250 HX G5   | 1      | EA      |
| 11        | 028118          | FW 0.625X1.000X0.134     | 1      | EA      |
| 12        | 016972          | NT .625-11 HX G5 ZNYC    | 1      | EA      |
| 13        | 781872          | CS .625-11X1.250HXG5     | 1      | EA      |
| 14        | 704791          | FW 0.781X1.250X0.024     | 1      | EA      |
| 15        | 781153          | BUSHING, UHMW            | 2      | EA      |
| 16        | 025296          | FW .760X1.625X0.080      | 1      | EA      |
| 17        | 601084          | SB .750X 2.000 SH.625-11 | 1      | EA      |
| 18        | 710087          | CS .312-18X2.500HXG5     | 4      | EA      |
| 19        | 043067          | CS .312-18X3.000HXG5     | 4      | EA      |
| 20        | 768523          | FW 0.343SAE              | 16     | EA      |
| 21        | 034272          | NT .312-18HXG5           | 8      | EA      |
| 22        | 604708          | ZT2800, 20.69:1 TRANS    | 1      | EA      |
| 23        | 604709          | ZT2800, 20.69:1 TRANS    | 1      | EA      |
| 24        | 016410          | CS .375-16X2.000HXG5     | 2      | EA      |
| 25        | 767954          | FW 0.379 x 0.813 x 0.063 | 2      | EA      |
| 26        | 605539          | SPACER TUBE              | 1      | EA      |
| 27        | 768515          | FW 0.281SAE              | 2      | EA      |
| 28        | 068551          | NT .250-20 HXZY NL       | 2      | EA      |
| 29        | 601996          | EXPANSION TANK, ZT2800   | 1      | EA      |
| Not Shown | 600767          | CAP, OVERFLOW TANK       | 1      | EA      |
| 30        | 000331          | WIRE TIE, SMALL/SHORT    | 1      | EA      |

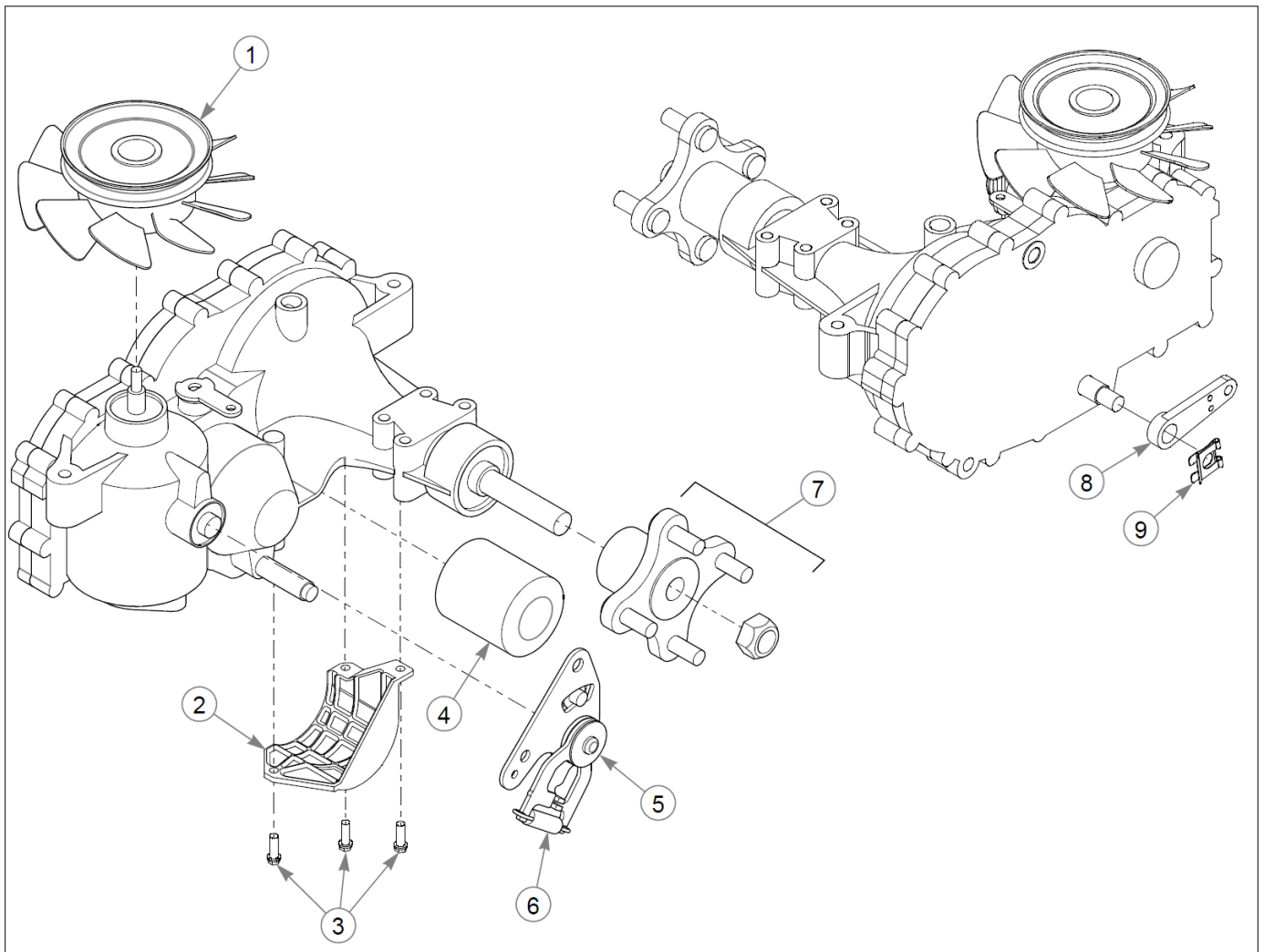
| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 31   | 603289          | GM, 2.25IDX 3.0ODX 2.5GD | 1      | EA      |
| 32   | 601503          | CB .250-20 X .625 ZNYC   | 2      | EA      |
| 33   | 029629          | CS .375-16X0.750FLK      | 1      | EA      |
| 34   | 601001          | SPRING CLAMP, .75" DIA   | 6      | EA      |
| 35   | 605744          | OVERFLOW HOSE, 6"        | 1      | EA      |
| 36   | 605562          | FTG, -8MBT/-8MBT, 90     | 1      | EA      |
| 37   | 706549          | HP0.080X1.190            | 2      | EA      |
| 38   | 118310          | LINK, TOW VALVE          | 2      | EA      |
| 39   | 605730          | FTG, -6MORB/-8MBT STR    | 1      | EA      |
| 40   | 016899          | NT .375-16 FLKG5         | 1      | EA      |
| 41   | 605745          | OVERFLOW HOSE, 7"        | 1      | EA      |
| 42   | 045088          | HOSE CLAMP 1" (FS)       | 1      | EA      |
| 43   | 605746          | OVERFLOW HOSE, 19"       | 1      | EA      |
| 44   | 601219          | FTG, 90 - 9/16 SAE       | 1      | EA      |

Comments for Page: Hydraulic System

jmumford@excelii.com on Apr 22, 2016

1. Torque to 23 N•m.
2. Torque to 136 N•m.
3. Torque to 41 N•m.
4. The overflow tank includes the cap.

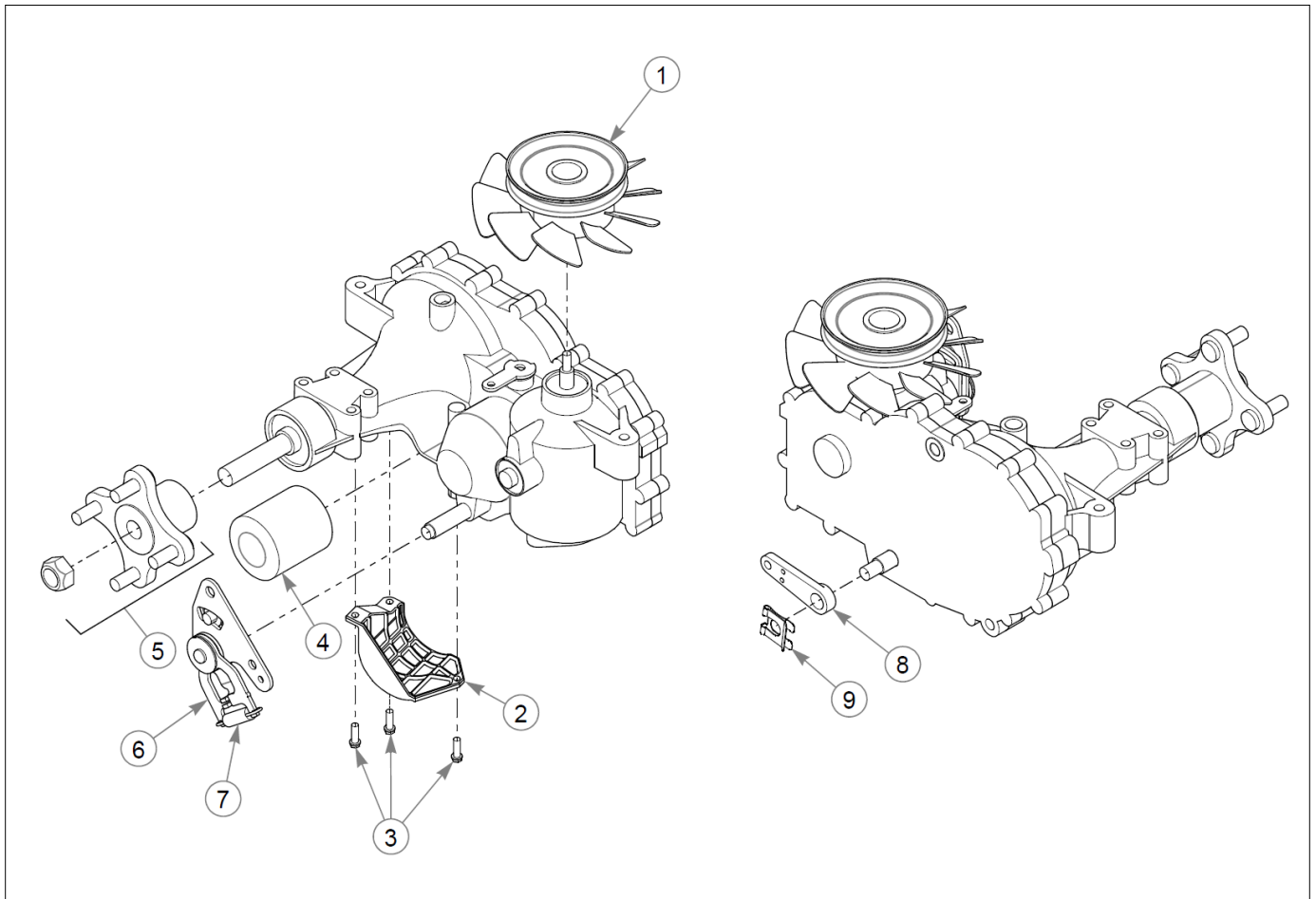
## Hydraulic & Steering





| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 602094          | FAN / PULLEY KIT        | 1      | EA      |
| 2    | 600975          | GUARD, TRANS FILTER     | 1      | EA      |
| 3    | 604324          | CS .250-20 X .75 HX FLG | 3      | EA      |
| 4    | 600976          | FILTER, OIL             | 1      | EA      |
| 5    | 604901          | HG RTN CW               | 1      | EA      |
| 6    | 604903          | HG RTN SPRING           | 1      | EA      |
| 7    | 600970          | KIT, HUB, 4 BOLT        | 1      | EA      |
| 8    | 601221          | ZT2800 BRAKE ARM - 2007 | 1      | EA      |
| 9    | 600972          | CLIP, RETAINING         | 1      | EA      |

## Hydraulic & Steering



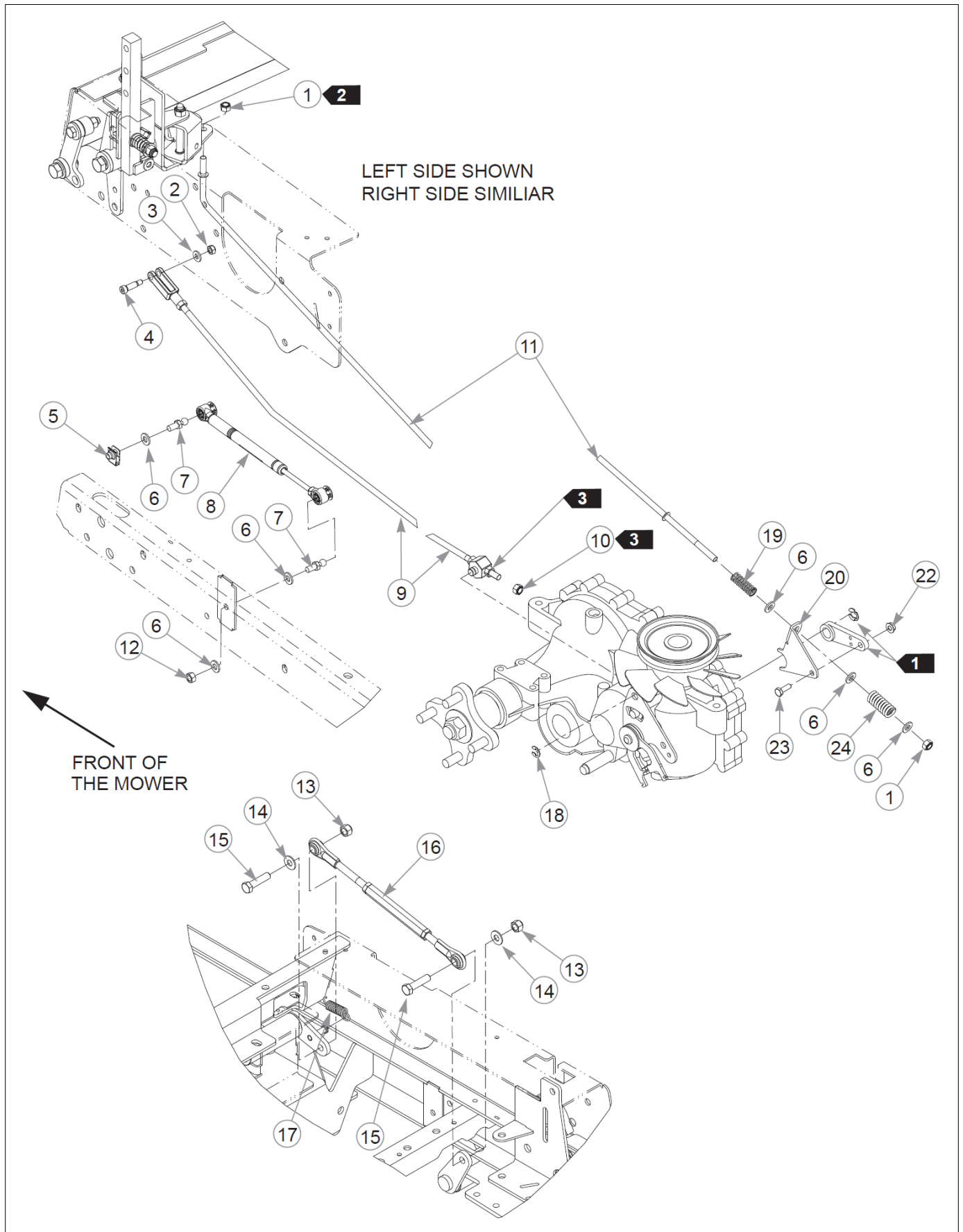
| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 602094          | FAN / PULLEY KIT        | 1      | EA      |
| 2    | 600974          | GUARD, TRANS FILTER     | 1      | EA      |
| 3    | 604324          | CS .250-20 X .75 HX FLG | 3      | EA      |
| 4    | 600976          | FILTER, OIL             | 1      | EA      |
| 5    | 600970          | KIT, HUB, 4 BOLT        | 1      | EA      |
| 6    | 604902          | HG RTN CCW              | 1      | EA      |
| 7    | 604903          | HG RTN SPRING           | 1      | EA      |
| 8    | 601221          | ZT2800 BRAKE ARM - 2007 | 1      | EA      |
| 9    | 600972          | CLIP, RETAINING         | 1      | EA      |

Comments for Page: Transmission Service Parts - 604709

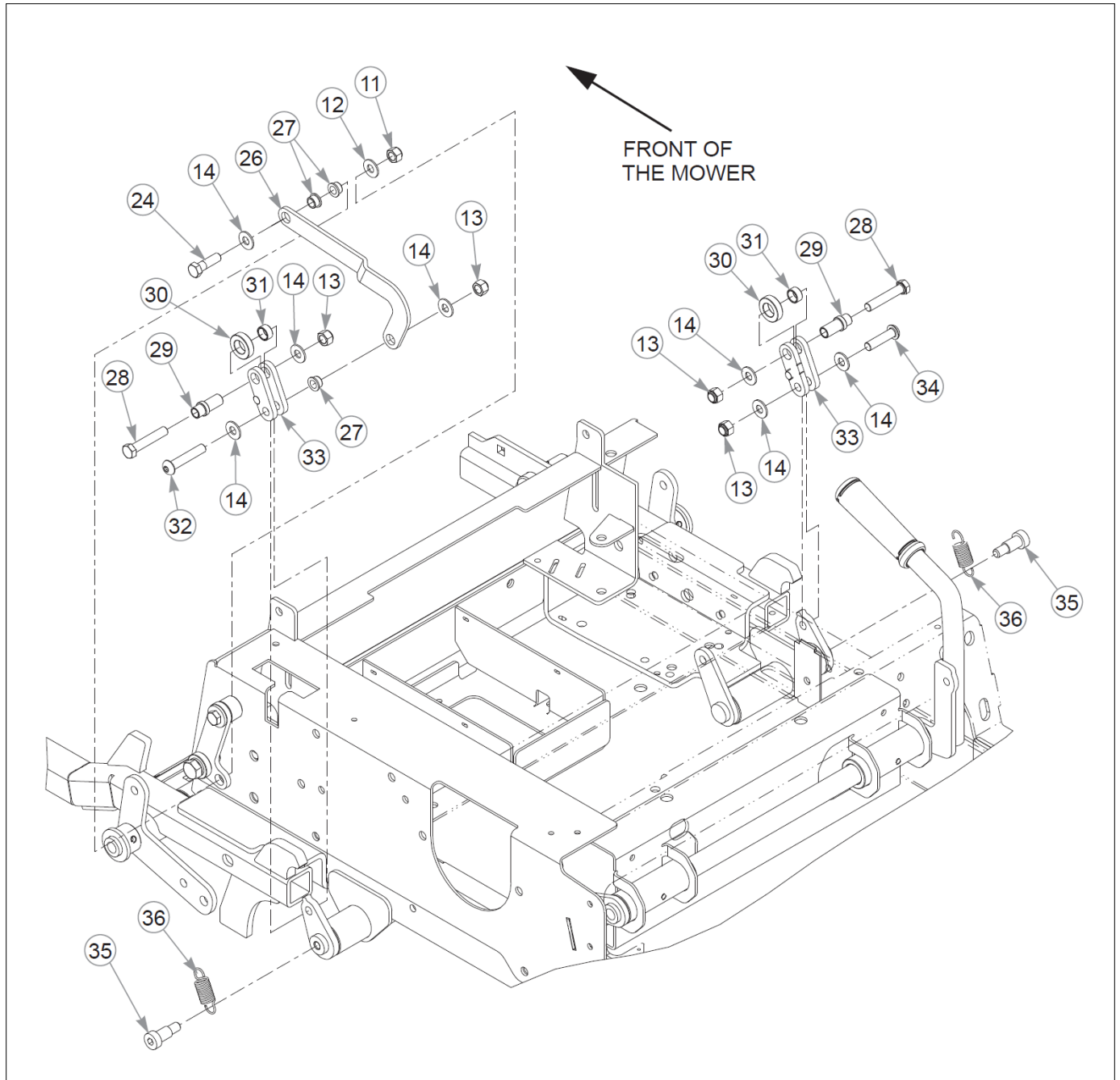
jmumford@excelii.com on May 1, 2015

1. RS filter guard (600974) includes hardware.
2. Hub kit (600970) includes the hub nut.

## Hydraulic & Steering

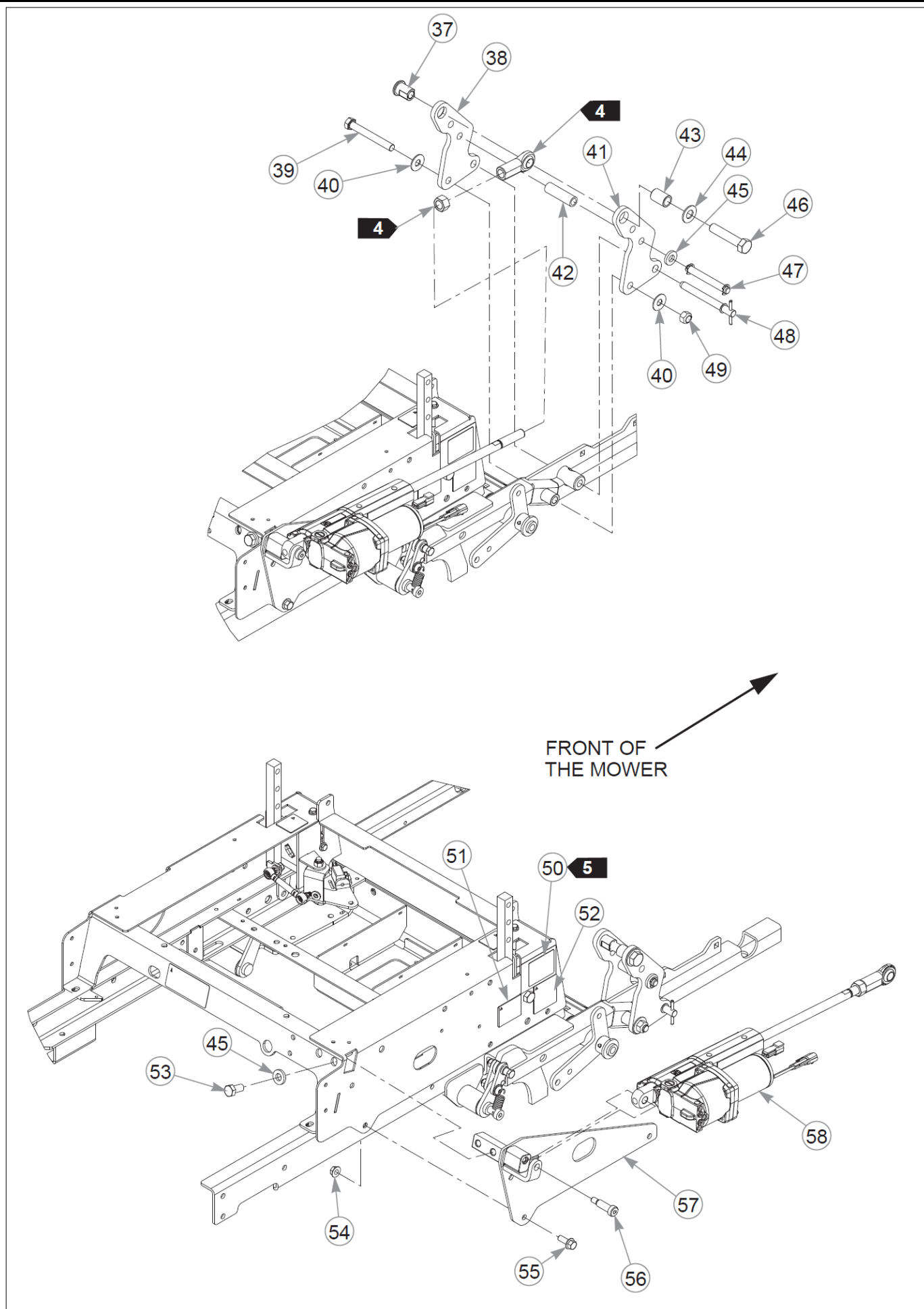


| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 058776          | NT .312-18NLG5           | 8      | EA      |
| 2    | 068551          | NT .250-20 HXZY NL       | 2      | EA      |
| 3    | 768515          | FW 0.281SAE              | 2      | EA      |
| 4    | 772483          | SB0.312X0.750SH0.250-20  | 2      | EA      |
| 5    | 601069          | CN .312-18x.200 MAX THK  | 2      | EA      |
| 6    | 768523          | FW 0.343SAE              | 19     | EA      |
| 7    | 781922          | BALL STUD, DAMPER        | 4      | EA      |
| 8    | 603983          | DAMPER                   | 2      | EA      |
| 9    | 605273          | STEERING ROD S/A         | 2      | EA      |
| 10   | 023655          | NT .312-24NLG5           | 2      | EA      |
| 11   | 605622          | BRAKE ROD                | 2      | EA      |
| 12   | 034272          | NT .312-18HXG5           | 2      | EA      |
| 13   | 086660          | NT .375-16NLG5           | 9      | EA      |
| 14   | 767954          | FW 0.379 x 0.813 x 0.063 | 16     | EA      |
| 15   | 080655          | CS .375-16X1.500HXG5     | 4      | EA      |
| 16   | 605297          | TURNBUCKLE, FRAME LATCH  | 2      | EA      |
| 17   | 034652          | SPRING 2.5               | 1      | EA      |
| 18   | 603332          | CLIP E .66 X .303 X .035 | 2      | EA      |
| 19   | 601131          | SPRING, BRAKE ARM RET.   | 2      | EA      |
| 20   | 109203          | BRAKE SPRING LINK, LS    | 1      | EA      |
| 21   | 109202          | BRAKE SPRING LINK, RS    | 1      | EA      |
| 22   | 016816          | NT .250-20FLKG5          | 2      | EA      |
| 23   | 055939          | CS .250-20X0.750HXG5     | 2      | EA      |
| 24   | 601051          | OVERTRAVEL SPRING        | 2      | EA      |
| 25   | 052860          | CS .375-16X1.250 HX G5   | 1      | EA      |
| 26   | 119303          | LATCH ARM                | 1      | EA      |
| 27   | 765339          | BUSHING,IGUS#0608 (FS)   | 3      | EA      |
| 28   | 016410          | CS .375-16X2.000HXG5     | 2      | EA      |
| 29   | 120131          | SPACER, CAM FOLLOWER     | 2      | EA      |
| 30   | 605618          | BUSHING, LATCH BEARING   | 2      | EA      |
| 31   | 605619          | BUSHING, .500X.625       | 2      | EA      |
| 32   | 605680          | CS .375-16 x 2.00 BH BO  | 1      | EA      |

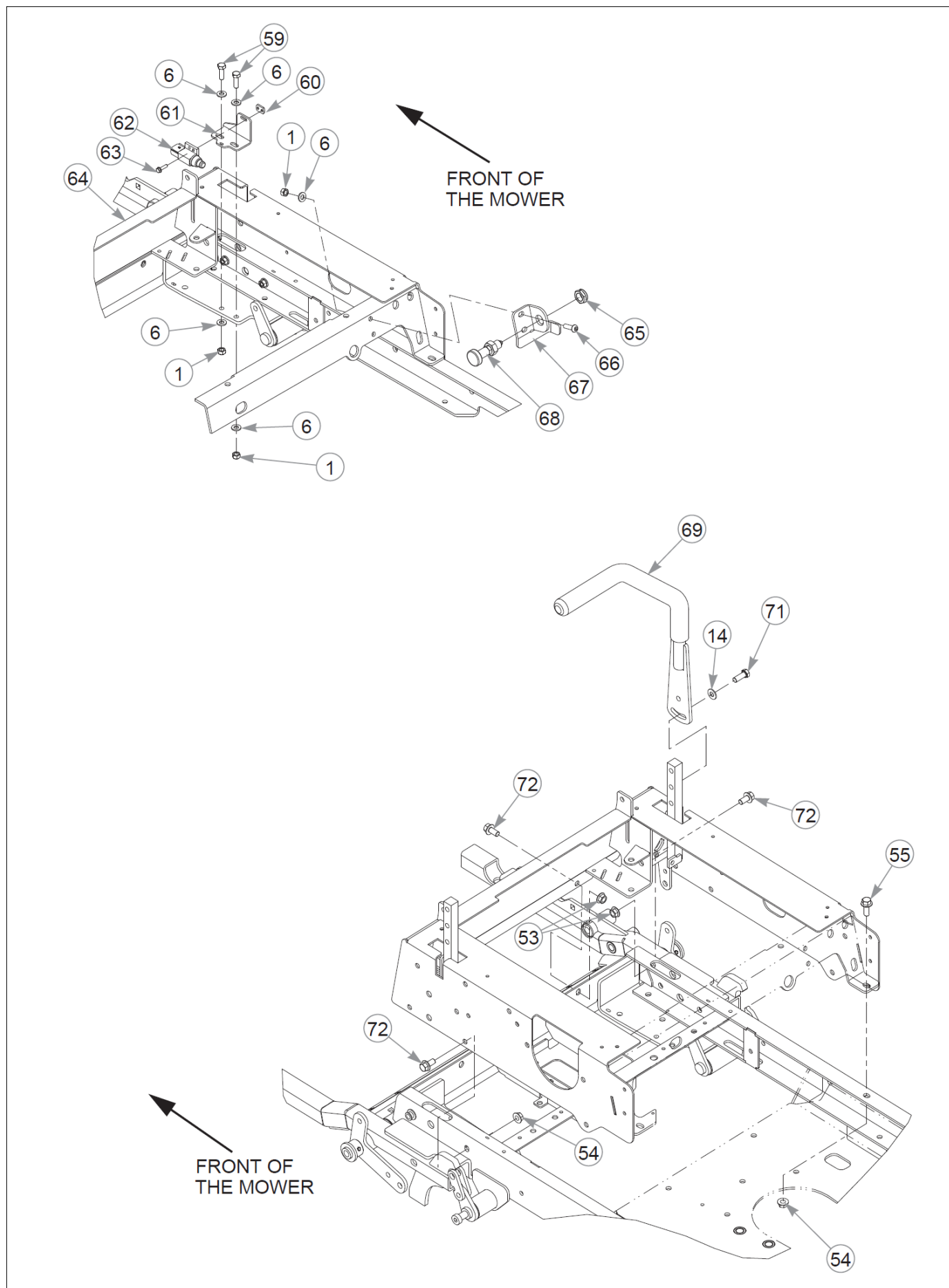


| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 33   | 118882          | W/A, CARRIER LATCH      | 2      | EA      |
| 34   | 604816          | CS .375-16 X 1.5 BH BO  | 1      | EA      |
| 35   | 728550          | SB .50X.75SH .375-16TD  | 2      | EA      |
| 36   | 605243          | SPRING, TENSION .625OD  | 2      | EA      |
| 37   | 118890          | ACTUATOR SPACER, INNER  | 1      | EA      |
| 38   | 118889          | LIFT PIVOT PLATE, LH    | 1      | EA      |
| 39   | 089938          | CS .500-13X4.000HXG5    | 1      | EA      |
| 40   | 704759          | FW 0.500X1.250X0.075    | 2      | EA      |
| 41   | 118888          | LIFT PIVOT PLATE, RH    | 1      | EA      |
| 42   | 605630          | LIFT PIVOT SPACER       | 1      | EA      |
| 43   | 118891          | ACTUATOR SPACER, OUTER  | 1      | EA      |
| 44   | 728030          | FW .656X 1.312X.090 ZNY | 1      | EA      |
| 45   | 767962          | FW .531 x 1.063 x .175  | 3      | EA      |
| 46   | 029934          | CS .625-11X3.000HXG5    | 1      | EA      |
| 47   | 605241          | CE 0.500X4.00X3.50 HDLS | 1      | EA      |
| 48   | 605240          | LYNCH PIN 0.500 DIA     | 1      | EA      |
| 49   | 023317          | NT .500-13UNTG8         | 1      | EA      |
| 50   | N/A             | SERIAL NO. / SPEC DECAL | 1      | EA      |
| 51   | 776310          | DECAL, CE MARK          | 1      | EA      |
| 52   | 789776CE        | DBA LIMIT DECAL         | 1      | EA      |
| 53   | 016527          | CS .500-13X1.000HXG5    | 2      | EA      |
| 54   | 016899          | NT .375-16 FLKG5        | 11     | EA      |
| 55   | 029751          | CS .375-16X1.000 HXFLK  | 4      | EA      |
| 56   | 760330          | SB .500X 1.250 SH .375- | 1      | EA      |
| 57   | 118859          | W/A, ACTUATOR MOUNT     | 1      | EA      |
| 58   | 606159          | ACTUATOR S/A            | 1      | EA      |
| 59   | 036236          | CS .312-18X1.000HXG5    | 2      | EA      |
| 60   | 601822          | NUT PLATE, .420 CENTERS | 1      | EA      |
| 61   | 120430          | SWITCH BRACKET          | 1      | EA      |
| 62   | 602538          | SWITCH PLUNGER, NC/NO   | 1      | EA      |
| 63   | 063198          | CS#10-24X0.750FLKG5     | 2      | EA      |
| 64   | N/A             | CONTROL ASSEMBLY        | 1      | EA      |





| Item         | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|--------------|-----------------|--------------------------|--------|---------|
| 65           | 602728          | NT .625-11 HXZY NL THIN  | 1      | EA      |
| 66           | 602231          | CS .312-18X1.00 BTNHD ZN | 2      | EA      |
| 67           | 118837          | PLUNGER BRKT             | 1      | EA      |
| 68           | 604872          | SPRING PLUNGER, LOCKING  | 1      | EA      |
| 69           | 605383          | STEERING BAR W/A, RH     | 1      | EA      |
| Not<br>Shown | 781260          | GRIP, STEERING BAR       | 1      | EA      |
| 70           | 605384          | STEERING BAR W/A, LH     | 1      | EA      |
| 71           | 036244          | CS .375-16X1.000HXG5     | 4      | EA      |
| 72           | 029629          | CS .375-16X0.750FLK      | 7      | EA      |

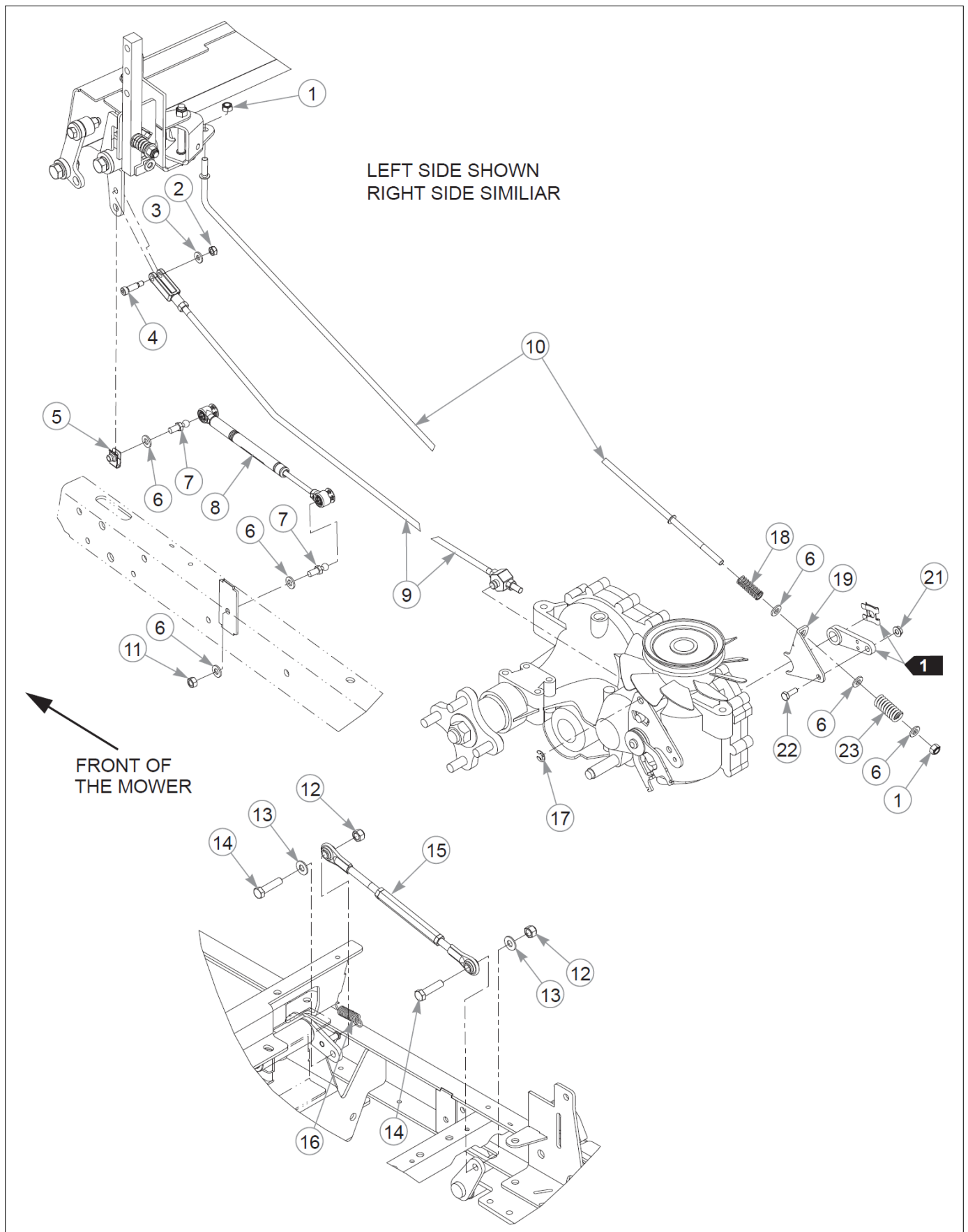


Comments for Page: Steering & Deck Lift Controls—S/N 16042182 & Higher (Multi-Page)

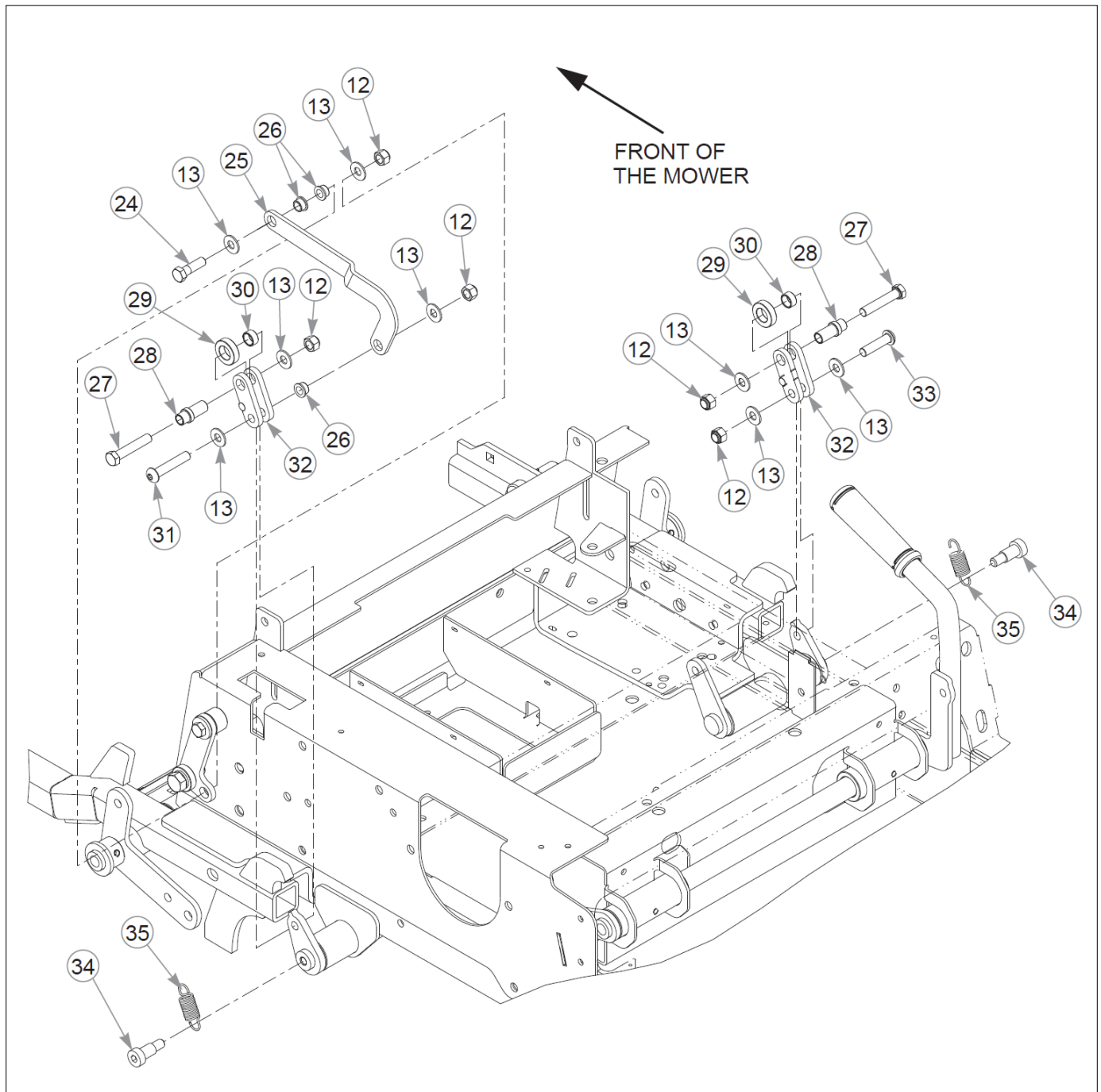
jmumford@excelii.com on Apr 22, 2016

1. Part of the transmission.
2. The nut must be flush with the end of the brake rod.
3. Torque to 19 N•m.
4. Part of the actuator assembly, 606159.
5. Serial number decal. In the event the serial number decal becomes damaged or illegible, please contact your dealer to order a replacement.
6. The steering handles include the grips.

# Hydraulic & Steering

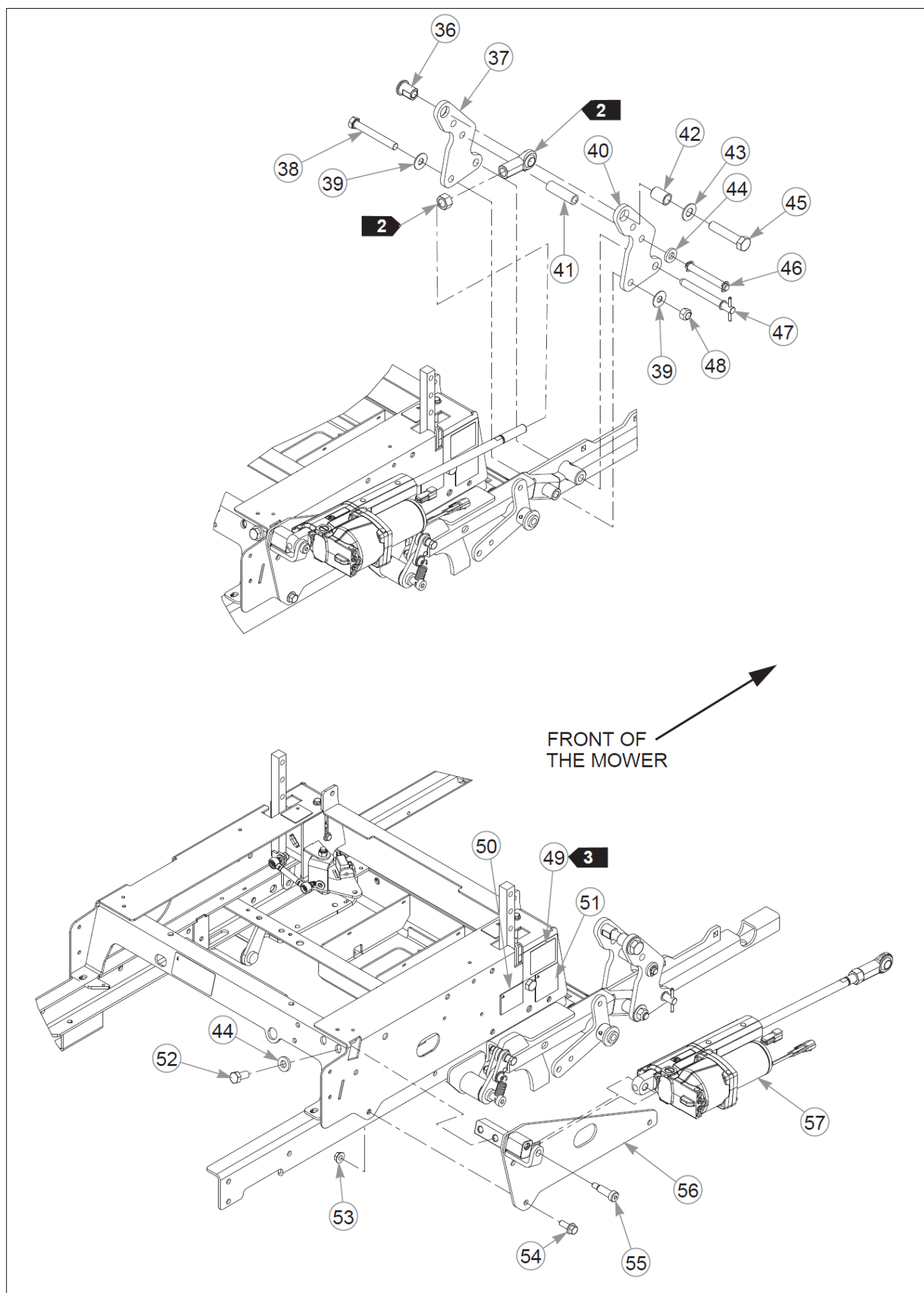


| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 058776          | NT .312-18NLG5           | 8      | EA      |
| 2    | 068551          | NT .250-20 HXZY NL       | 2      | EA      |
| 3    | 768515          | FW 0.281SAE              | 2      | EA      |
| 4    | 772483          | SB0.312X0.750SH0.250-20  | 2      | EA      |
| 5    | 601069          | CN .312-18x.200 MAX THK  | 2      | EA      |
| 6    | 768523          | FW 0.343SAE              | 19     | EA      |
| 7    | 781922          | BALL STUD, DAMPER        | 4      | EA      |
| 8    | 603983          | DAMPER                   | 2      | EA      |
| 9    | 605273          | STEERING ROD S/A         | 2      | EA      |
| 10   | 605622          | BRAKE ROD                | 2      | EA      |
| 11   | 034272          | NT .312-18HXG5           | 2      | EA      |
| 12   | 086660          | NT .375-16NLG5           | 9      | EA      |
| 13   | 767954          | FW 0.379 x 0.813 x 0.063 | 20     | EA      |
| 14   | 080655          | CS .375-16X1.500HXG5     | 8      | EA      |
| 15   | 605297          | TURNBUCKLE, FRAME LATCH  | 2      | EA      |
| 16   | 034652          | SPRING 2.5               | 1      | EA      |
| 17   | 603332          | CLIP E .66 X .303 X .035 | 2      | EA      |
| 18   | 601131          | SPRING, BRAKE ARM RET.   | 2      | EA      |
| 19   | 109203          | BRAKE SPRING LINK, LS    | 1      | EA      |
| 20   | 109202          | BRAKE SPRING LINK, RS    | 1      | EA      |
| 21   | 016816          | NT .250-20FLKG5          | 2      | EA      |
| 22   | 055939          | CS .250-20X0.750HXG5     | 2      | EA      |
| 23   | 601051          | OVERTRAVEL SPRING        | 2      | EA      |
| 24   | 052860          | CS .375-16X1.250 HX G5   | 1      | EA      |
| 25   | 119303          | LATCH ARM                | 1      | EA      |
| 26   | 765339          | BUSHING,IGUS#0608 (FS)   | 3      | EA      |
| 27   | 016410          | CS .375-16X2.000HXG5     | 2      | EA      |
| 28   | 120131          | SPACER, CAM FOLLOWER     | 2      | EA      |
| 29   | 605618          | BUSHING, LATCH BEARING   | 2      | EA      |
| 30   | 605619          | BUSHING, .500X.625       | 2      | EA      |
| 31   | 605680          | CS .375-16 x 2.00 BH BO  | 1      | EA      |
| 32   | 118882          | W/A, CARRIER LATCH       | 2      | EA      |

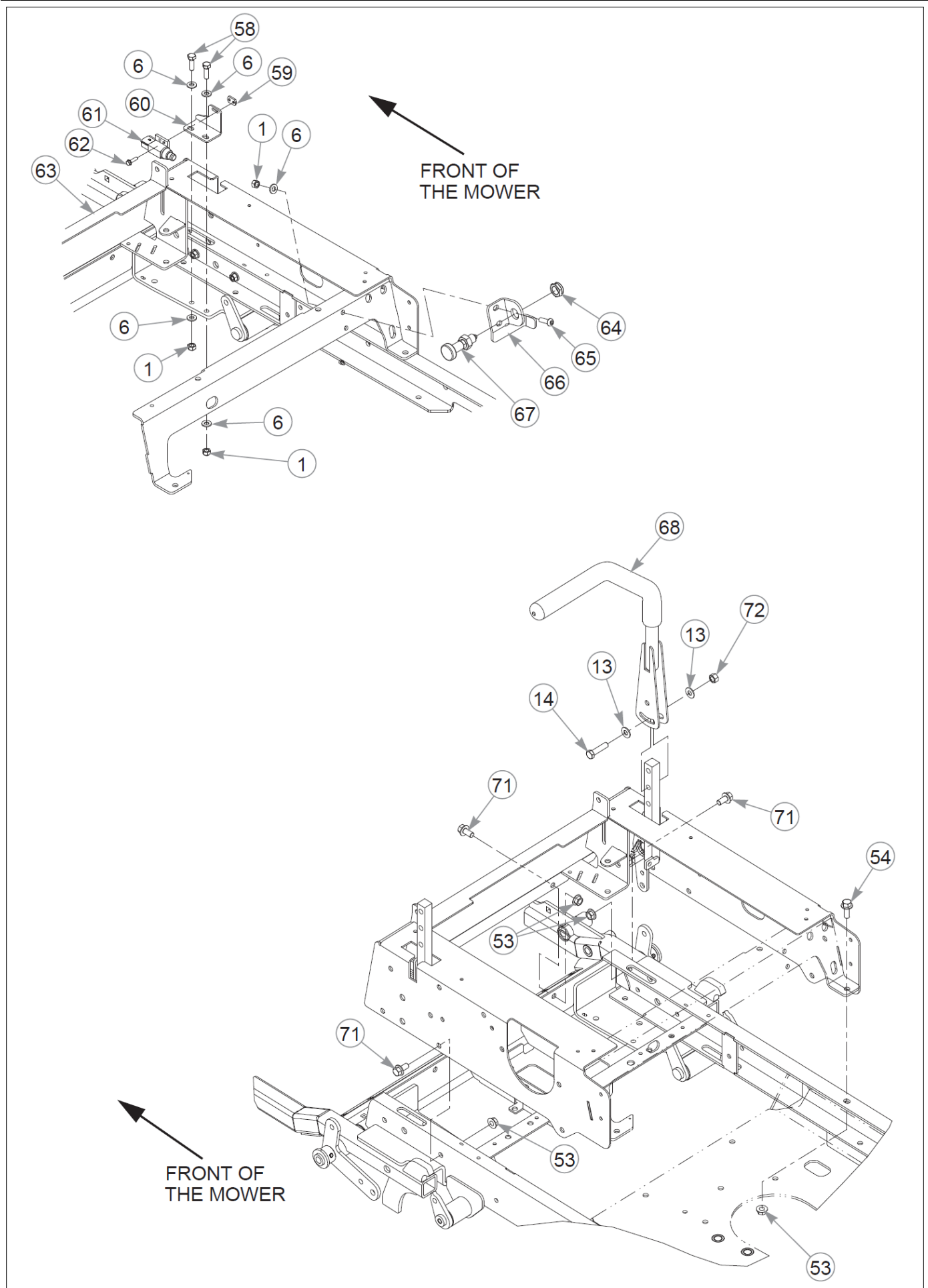


| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 33   | 604816          | CS .375-16 X 1.5 BH BO  | 1      | EA      |
| 34   | 728550          | SB .50X.75SH .375-16TD  | 2      | EA      |
| 35   | 605243          | SPRING, TENSION .625OD  | 2      | EA      |
| 36   | 118890          | ACTUATOR SPACER, INNER  | 1      | EA      |
| 37   | 118889          | LIFT PIVOT PLATE, LH    | 1      | EA      |
| 38   | 089938          | CS .500-13X4.000HXG5    | 1      | EA      |
| 39   | 704759          | FW 0.500X1.250X0.075    | 2      | EA      |
| 40   | 118888          | LIFT PIVOT PLATE, RH    | 1      | EA      |
| 41   | 605630          | LIFT PIVOT SPACER       | 1      | EA      |
| 42   | 118891          | ACTUATOR SPACER, OUTER  | 1      | EA      |
| 43   | 728030          | FW .656X 1.312X.090 ZNY | 1      | EA      |
| 44   | 767962          | FW .531 x 1.063 x .175  | 3      | EA      |
| 45   | 029934          | CS .625-11X3.000HXG5    | 1      | EA      |
| 46   | 605241          | CE 0.500X4.00X3.50 HDLS | 1      | EA      |
| 47   | 605240          | LYNCH PIN 0.500 DIA     | 1      | EA      |
| 48   | 023317          | NT .500-13UNTG8         | 1      | EA      |
| 49   | N/A             | SERIAL NO. / SPEC DECAL | 1      | EA      |
| 50   | 776310          | DECAL, CE MARK          | 1      | EA      |
| 51   | 789776CE        | DBA LIMIT DECAL         | 1      | EA      |
| 52   | 016527          | CS .500-13X1.000HXG5    | 2      | EA      |
| 53   | 016899          | NT .375-16 FLKG5        | 11     | EA      |
| 54   | 029751          | CS .375-16X1.000 HXFLK  | 4      | EA      |
| 55   | 760330          | SB .500X 1.250 SH .375- | 1      | EA      |
| 56   | 118859          | W/A, ACTUATOR MOUNT     | 1      | EA      |
| 57   | 606159          | ACTUATOR S/A            | 1      | EA      |
| 58   | 036236          | CS .312-18X1.000HXG5    | 2      | EA      |
| 59   | 601822          | NUT PLATE, .420 CENTERS | 1      | EA      |
| 60   | 120430          | SWITCH BRACKET          | 1      | EA      |
| 61   | 602538          | SWITCH PLUNGER, NC/NO   | 1      | EA      |
| 62   | 063198          | CS#10-24X0.750FLKG5     | 2      | EA      |
| 63   | N/A             | CONTROL SUB-ASSEMBLY    | 1      | EA      |
| 64   | 602728          | NT .625-11 HXZY NL THIN | 1      | EA      |





| Item         | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|--------------|-----------------|--------------------------|--------|---------|
| 65           | 602231          | CS .312-18X1.00 BTNHD ZN | 2      | EA      |
| 66           | 118837          | PLUNGER BRKT             | 1      | EA      |
| 67           | 604872          | SPRING PLUNGER, LOCKING  | 1      | EA      |
| 68           | 360487          | STEERING BAR W/A         | 2      | EA      |
| Not<br>Shown | 781260          | GRIP, STEERING BAR       | 1      | EA      |
| 70           | 036244          | CS .375-16X1.000HXG5     | 4      | EA      |
| 71           | 029629          | CS .375-16X0.750FLK      | 7      | EA      |
| 72           | 054502          | NT .375-16HXG5           | 4      | EA      |

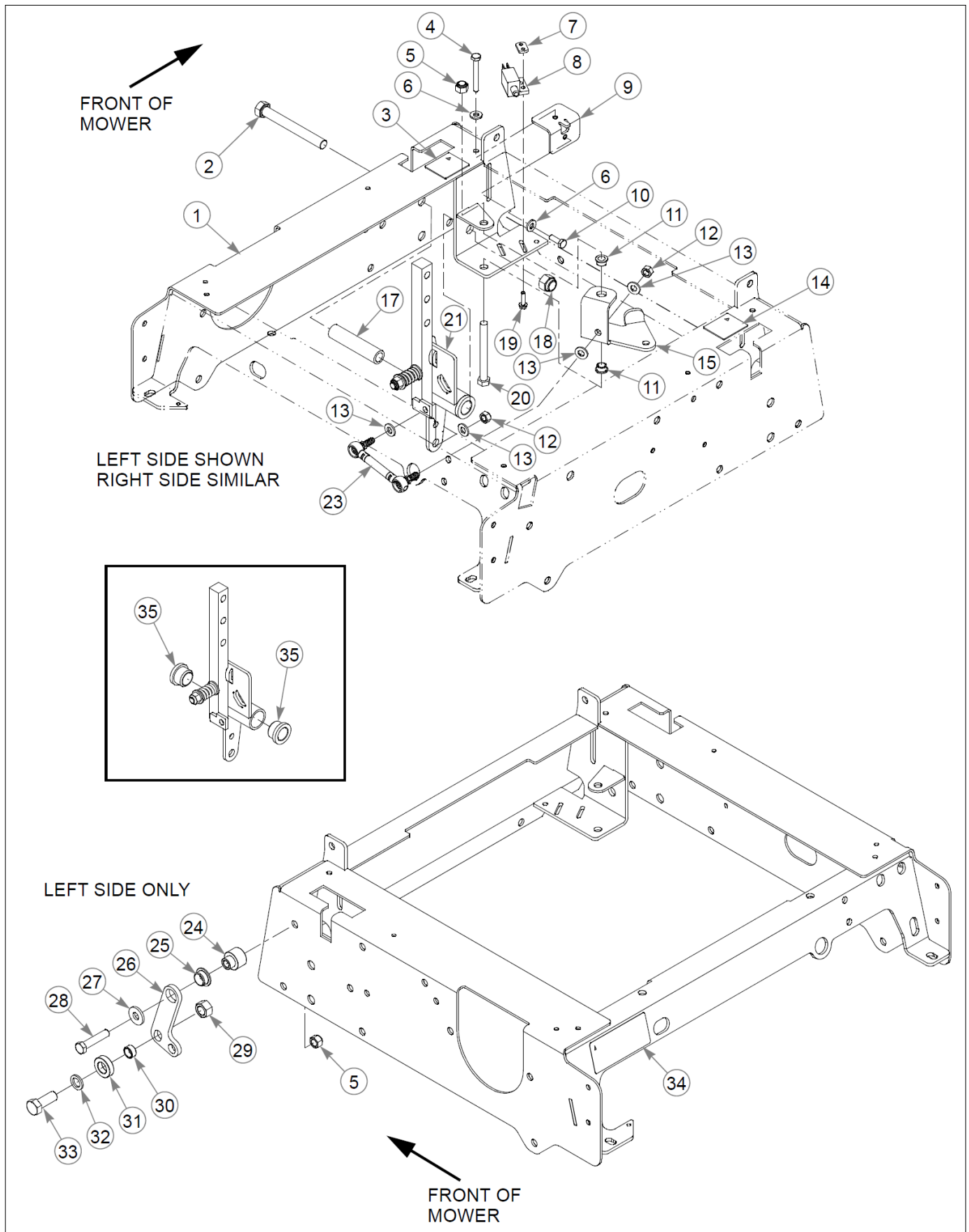


Comments for Page: Steering & Deck Lift Controls—S/N Prior to 16042182 (Multi-Page)

jmumford@excelii.com on Apr 22, 2016

1. Part of the transmission.
2. Part of the actuator assembly, 606159.
3. Serial number decal. In the event the serial number decal becomes damaged or illegible, please contact your dealer to order a replacement.
4. The steering handles include the grips.

## Hydraulic &amp; Steering



| Item      | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|-----------|-----------------|--------------------------|--------|---------|
| 1         | 552923          | SVC, CONTROL ASSY RFU    | 1      | EA      |
| 2         | 781708          | CS .500-13X4.250HXG5     | 2      | EA      |
| 3         | 785139          | DECAL, STEERING L.S.     | 1      | EA      |
| 4         | 604452          | CS .250-20x2.00 HX FLTHD | 2      | EA      |
| 5         | 086660          | NT .375-16NLG5           | 3      | EA      |
| 6         | 768515          | FW 0.281SAE              | 4      | EA      |
| 7         | 601822          | NUT PLATE, .420 CENTERS  | 2      | EA      |
| 8         | 781211          | SWITCH, PUSH BUTTON      | 2      | EA      |
| 9         | 605529          | STOP, STEERING           | 2      | EA      |
| 10        | 055939          | CS .250-20X0.750HXG5     | 2      | EA      |
| 11        | 765339          | BUSHING,IGUS#0608 (FS)   | 4      | EA      |
| 12        | 058776          | NT .312-18NLG5           | 4      | EA      |
| 13        | 768523          | FW 0.343SAE              | 8      | EA      |
| 14        | 785220          | DECAL, STEERING R.S.     | 1      | EA      |
| 15        | 116142          | BRAKE BLCRNK, LH         | 1      | EA      |
| 16        | 116141          | BRAKE BLCRNK, RH         | 1      | EA      |
| 17        | 604288          | SPACER, STEERING         | 2      | EA      |
| 18        | 781567          | NT .500-13NLG5           | 2      | EA      |
| 19        | 063198          | CS#10-24X0.750FLKG5      | 4      | EA      |
| 20        | 005108          | CS .375-16X3.500HXG5     | 2      | EA      |
| 21        | 606106          | STEERING BOX SUB, LH     | 1      | EA      |
| Not Shown | 604300          | STEERING BOX SUB, LH     | 1      | EA      |
| 22        | 606105          | STEERING BOX SUB, RH     | 1      | EA      |
| Not Shown | 604299          | STEERING BOX SUB, RH     | 1      | EA      |
| 23        | 604179          | BRAKE LINK               | 2      | EA      |
| 24        | 119304          | LATCH SPACER             | 1      | EA      |
| 25        | 602539          | BUSHING, .625 I.D.       | 1      | EA      |
| 26        | 119302          | FRAME LATCH              | 1      | EA      |
| 27        | 712919          | FW 0.406X1.000X0.120HD   | 1      | EA      |
| 28        | 705178          | CS .375-16X1.750HXG5     | 1      | EA      |

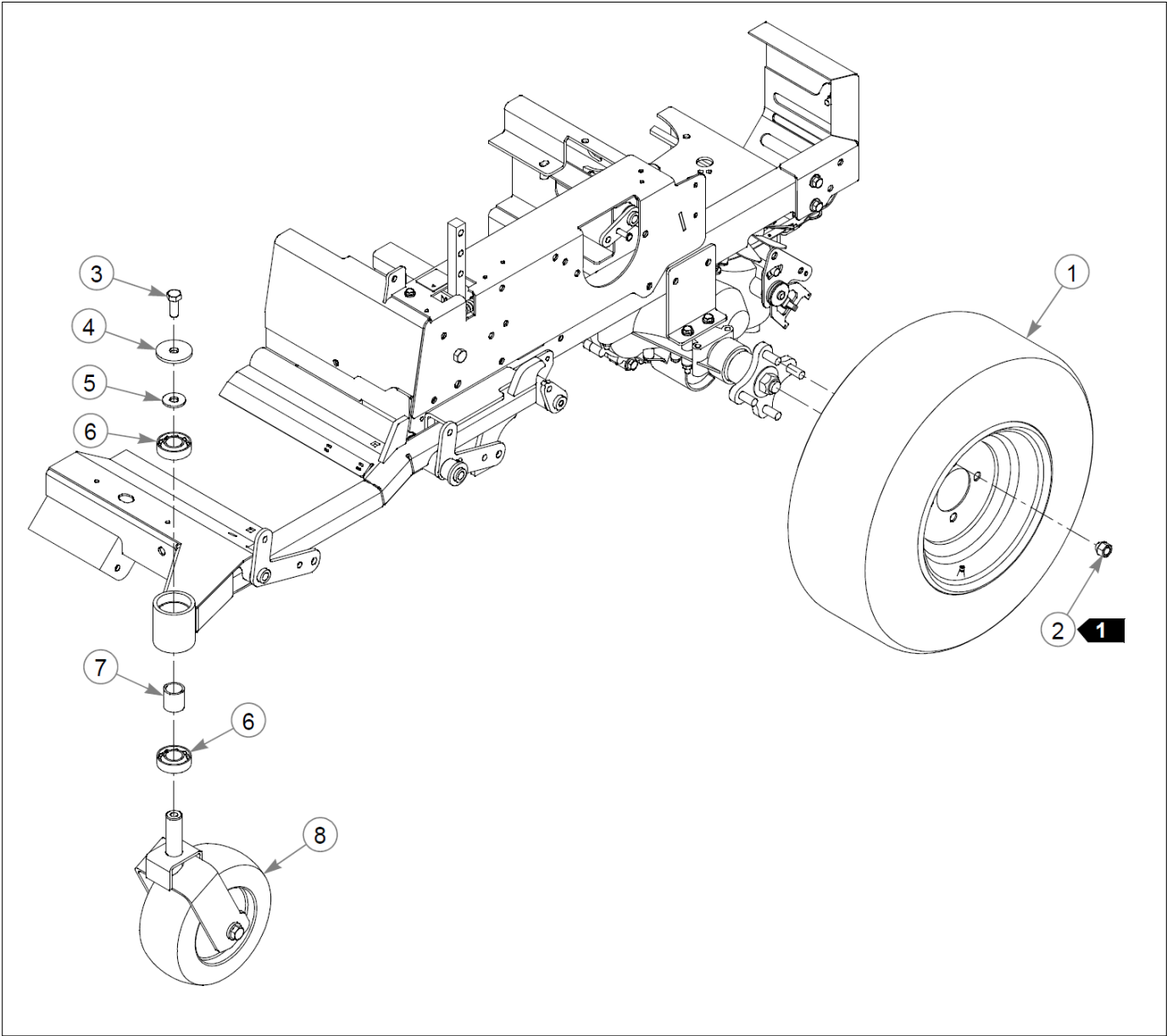
| Item | Onderdeelnummer | Naam                   | Aantal | Eenheid |
|------|-----------------|------------------------|--------|---------|
| 29   | 008193          | NT .500-13HXG5         | 1      | EA      |
| 30   | 605619          | BUSHING, .500X.625     | 1      | EA      |
| 31   | 605618          | BUSHING, LATCH BEARING | 1      | EA      |
| 32   | 604486          | FW .531X.812X.089 HD   | 1      | EA      |
| 33   | 705954          | CS .500-13X1.250HSG5   | 1      | EA      |
| 34   | 601967          | DECAL, ENGINE COMPART  | 1      | EA      |
| 35   | 781153          | BUSHING, UHMW          | 4      | EA      |

Comments for Page: Steering & Deck Lift Controls Sub-Assembly

jmumford@excelii.com on Aug 17, 2015

1. 606105 and 606106 are used on mowers S/N 16042182 & higher; 604299 and 604300 are used on mowers S/N prior to 16042182.
2. The steering cover (552923) includes decals.

Wheels & Tires





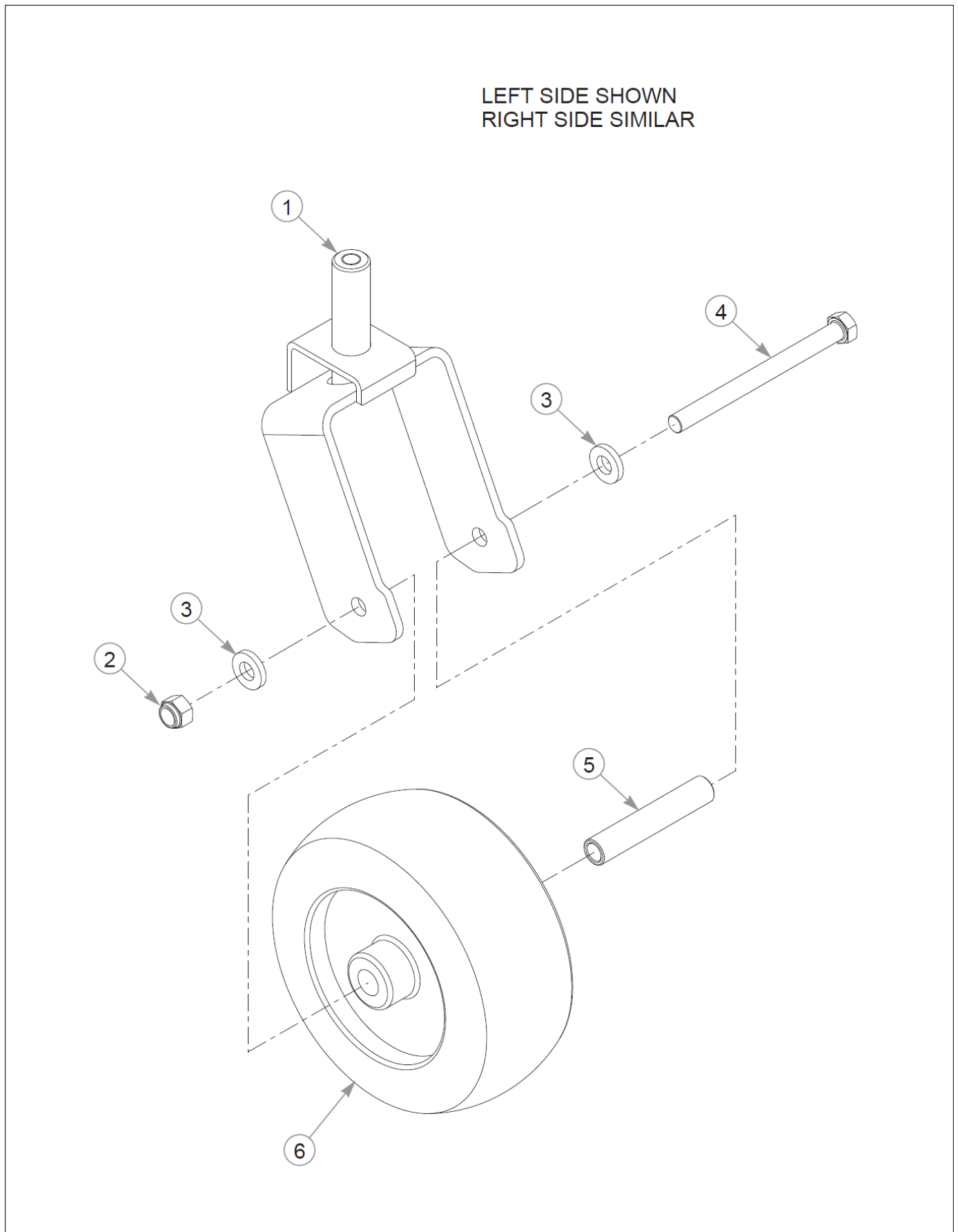
| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 600676          | TIRE/WHEEL ASSY 20x8-10 | 2      | EA      |
| 2    | 061077          | WHEEL NUT               | 8      | EA      |
| 3    | 705954          | CS .500-13X1.250HSG5    | 2      | EA      |
| 4    | 344267          | FW .510X 2.15X.187 SPL  | 2      | EA      |
| 5    | 712976          | FW 0.531X1.375X0.125    | 2      | EA      |
| 6    | 784223          | BEARING                 | 4      | EA      |
| 7    | 784603          | SPACER                  | 2      | EA      |
| 8    | N/A             | FRONT TIRE ASSEMBLY     | 1      | EA      |

Comments for Page: Wheel & Tire

jmumford@excelii.com on Apr 22, 2016

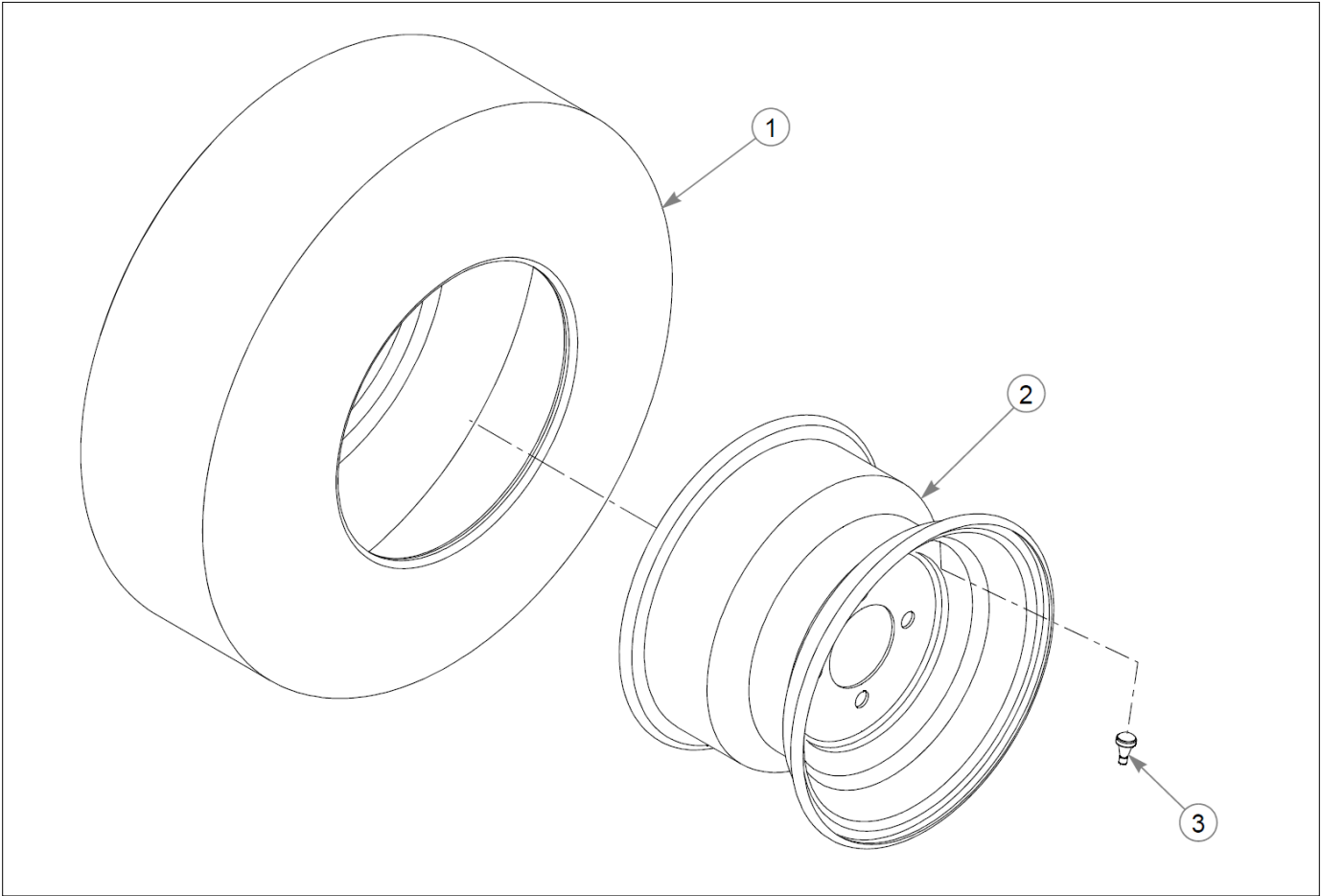
1. Torque to 88–102 N•m.

Wheels & Tires



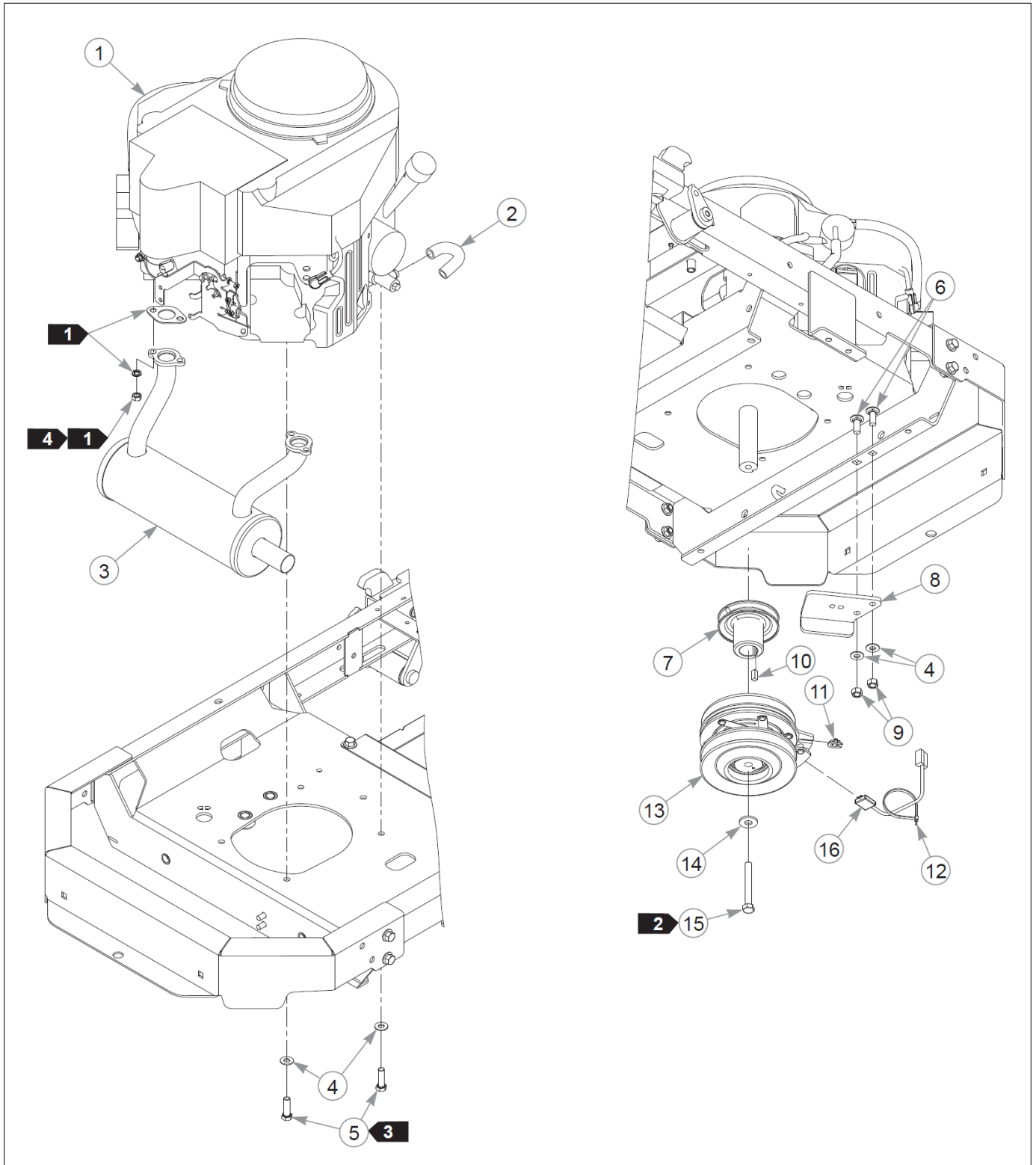
| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 120440          | W/A CASTER              | 1      | EA      |
| 2    | 707398          | NT .500-13 JAM NY LK    | 1      | EA      |
| 3    | 767962          | FW .531 x 1.063 x .175  | 2      | EA      |
| 4    | 766154          | CS .500-13 X 5.500 G5 Z | 1      | EA      |
| 5    | 604089          | SPACER, GAUGE WHEEL     | 1      | EA      |
| 6    | 604087          | WHEEL, 9.0X3.5X4.0 HUB  | 1      | EA      |

Wheels & Tires

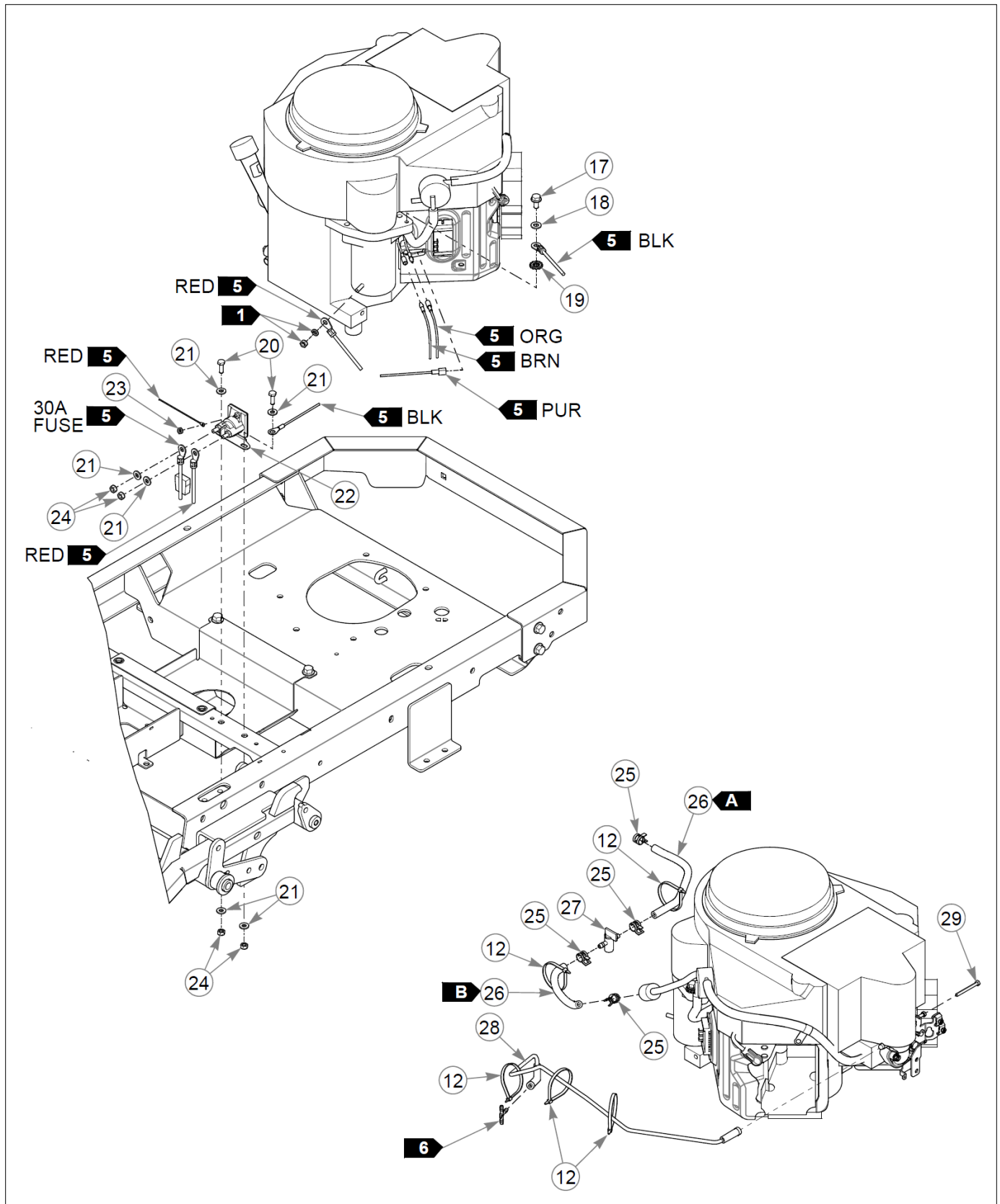


| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 600692          | TIRE 20X8-10            | 1      | EA      |
| 2    | 600718          | WHEEL 10X7 RIM, 4-4 BC  | 1      | EA      |
| 3    | 019521          | TIRE VALVE TR-412 GOODY | 1      | EA      |

# Engine & Fuel Tank



| Item                                                                                                                   | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------|--------|---------|
| 1                                                                                                                      |                 | ENGINE, KAW FR691V       | 1      | EA      |
| 2                                                                                                                      | 605317          | HOSE, OIL DRAIN          | 1      | EA      |
| 3                                                                                                                      | 604016          | MUFFLER, FR730V          | 1      | EA      |
| 4                                                                                                                      | 767954          | FW 0.379 x 0.813 x 0.063 | 6      | EA      |
| 5                                                                                                                      | 602580          | CS .375-16x1.25 HXG8 P85 | 4      | EA      |
| 6                                                                                                                      | 025395          | CB .375-16X 1.00 G5 ZNY  | 2      | EA      |
| 7                                                                                                                      | 605574          | PULLEY, ENG 4.094OP      | 1      | EA      |
| 8                                                                                                                      | 121402          | CLUTCH ANCHOR            | 1      | EA      |
| 9                                                                                                                      | 054502          | NT .375-16HXG5           | 2      | EA      |
| 10                                                                                                                     | 712372          | KEY 1/4 SQ X 0.66 LG(FS) | 1      | EA      |
| 11                                                                                                                     | 605595          | BUSHING, CLUTCH          | 1      | EA      |
| 12                                                                                                                     | 000331          | WIRE TIE, SMALL/SHORT    | 7      | EA      |
| 13                                                                                                                     | 605576K         | CLUTCH KIT, 605576       | 1      | EA      |
| 14                                                                                                                     | 602680          | FW .453X 1.12X .119 HRD  | 1      | EA      |
| 15                                                                                                                     | 601834          | CS .437-20X3.25 HXG5 P85 | 1      | EA      |
| 16                                                                                                                     | 791251          | HARNESS, CLUTCH PIGTAIL  | 1      | EA      |
| Opmerkingen voor onderdeelnummer 791251                                                                                |                 |                          |        |         |
| parts@excelii.com on Aug 28, 2015                                                                                      |                 |                          |        |         |
| Pigtail was updated with epoxy to hold the wires steady. The wire sheath was also updated to a more flexible material. |                 |                          |        |         |
| 17                                                                                                                     | 720516          | CS M8-1.25X16HX FL10.9   | 1      | EA      |
| 18                                                                                                                     | 768523          | FW 0.343SAE              | 1      | EA      |
| 19                                                                                                                     | 029876          | LW 0.312 INT-EXT         | 1      | EA      |
| 20                                                                                                                     | 055939          | CS .250-20X0.750HXG5     | 2      | EA      |
| 21                                                                                                                     | 768515          | FW 0.281SAE              | 6      | EA      |
| 22                                                                                                                     | 030817          | STARTER SOLENOID HW KIT  | 1      | EA      |
| 23                                                                                                                     | 044255          | NT #10-32HXG5            | 1      | EA      |
| 24                                                                                                                     | 024927          | NT .250-20HXG5           | 4      | EA      |
| 25                                                                                                                     | 000323          | CLIP, HOSE CLAMP         | 4      | EA      |
| 26                                                                                                                     | 015818          | FUEL LINE, 1/4"          | 33 cm  | IN      |
| 27                                                                                                                     | 605601          | FUEL SHUT-OFF VALVE      | 1      | EA      |





| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 28   | 605611          | VAPOR LINE, 3/16 FORMED | 1      | EA      |
| 29   | 603524          | CS M5-0.8 X 50 MM       | 1      | EA      |

Comments for Page: Engine (Multi-Page)

jmumford@excelii.com on Apr 22, 2016

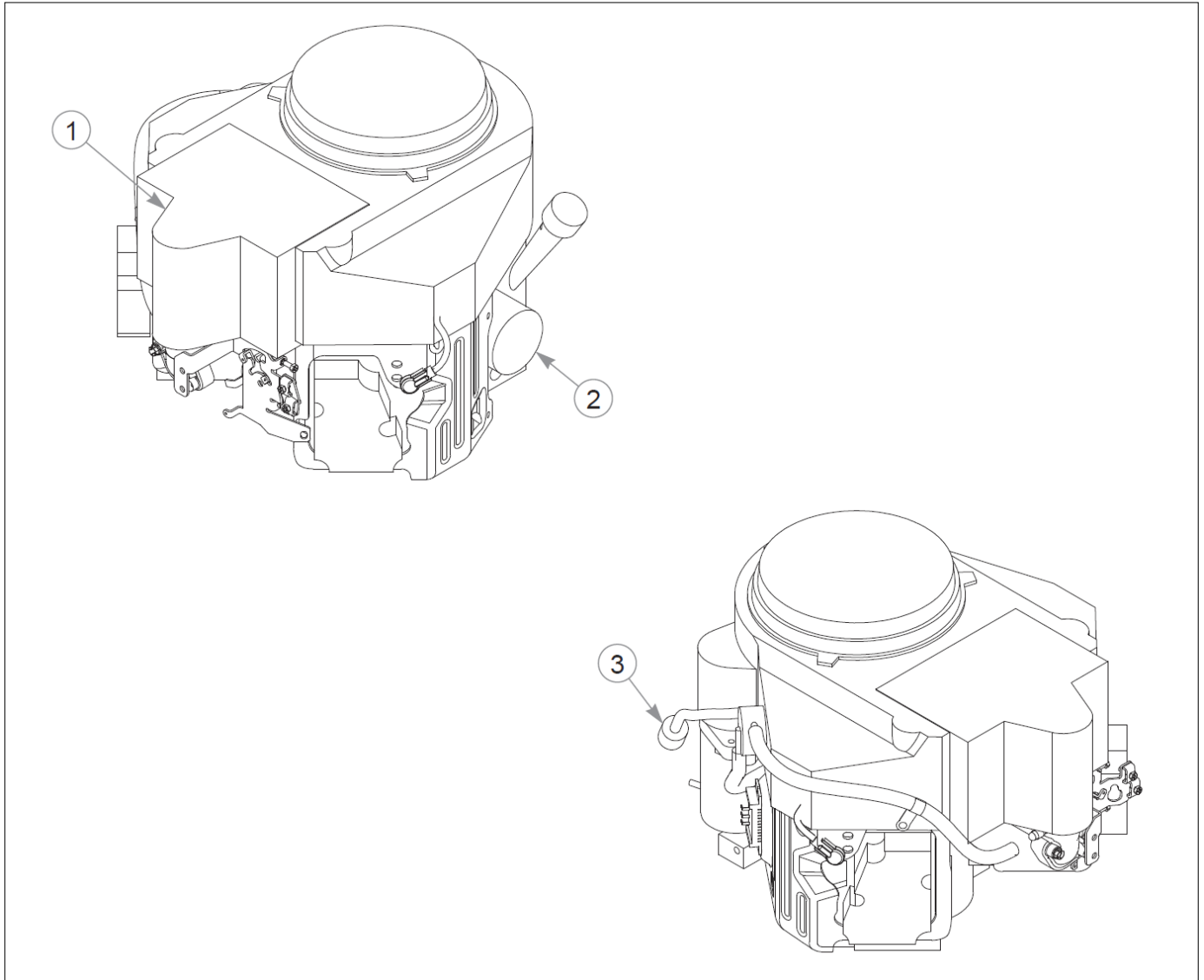
#### FUEL LINE LENGTHS

A: 16.5 cm fuel line from the tank to the valve

B: 16.5 cm fuel line from the valve to the engine

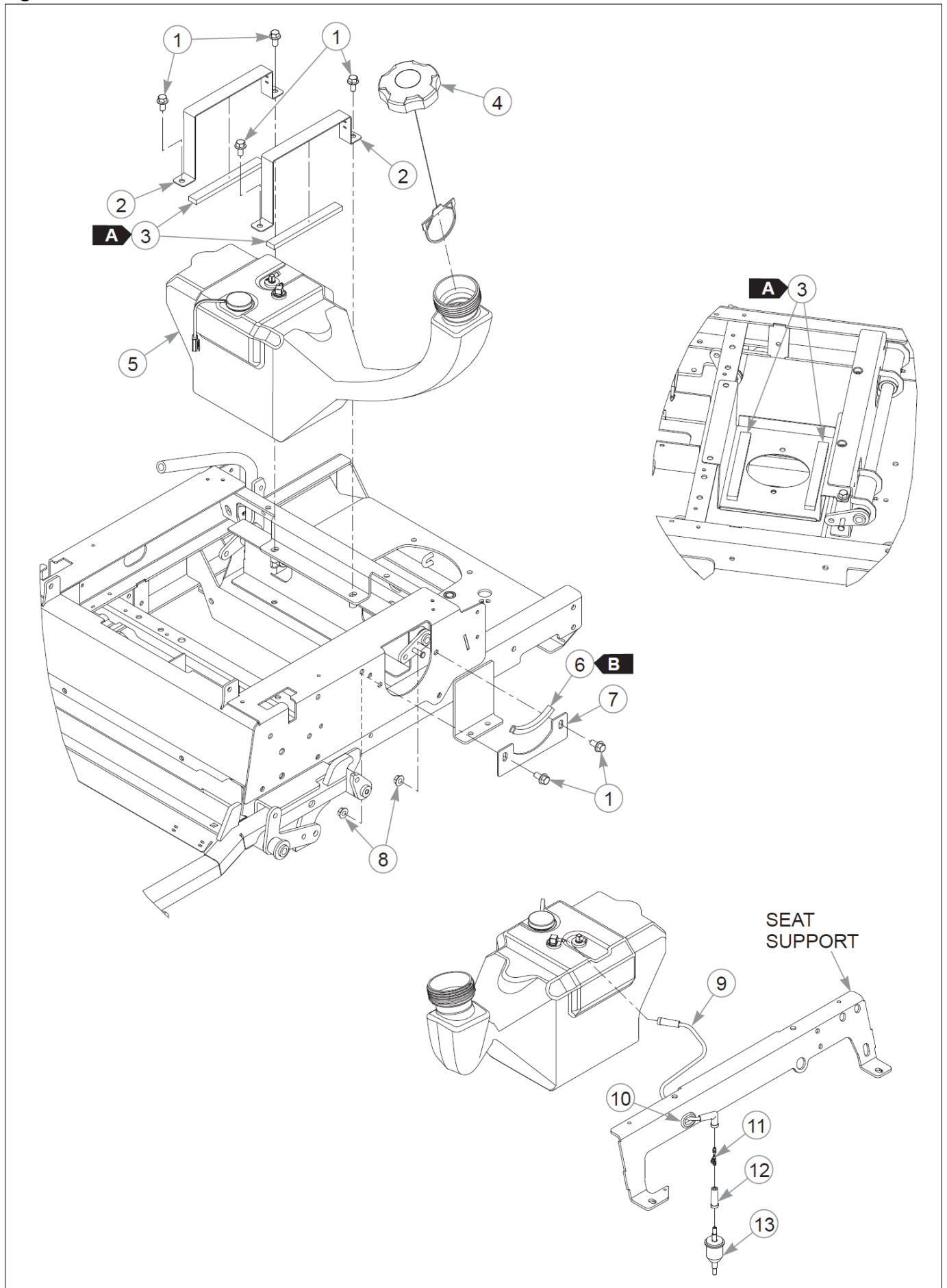
1. Supplied with the engine.
2. Torque to 61–65 N•m. Replace (do not reuse) the cap screw if it is removed or loosened. Use only hand tools to install this fastener.
3. Torque to 40–47 N•m. Replace (do not reuse) the cap screw if it is removed or loosened. Use only hand tools to install this fastener.
4. Torque to 30 N•m.
5. Part of the wire harness.
6. Part of the fuel system.

## Engine & Fuel Tank



| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 603059          | AIR FILTER, KAW         | 1      | EA      |
| 2    | 602581          | OIL FILTER, KAW ENG.    | 1      | EA      |
| 3    | 068478          | FUEL FILTER IN-LINE     | 1      | EA      |
| 4    | 606531          | FUEL STABILIZER, CARTON |        | EA      |
| 5    | 606535          | OIL 10W-30, CARTON      |        | EA      |

# Engine & Fuel Tank



| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 029629          | CS .375-16X0.750FLK      | 6      | EA      |
| 2    | 118878          | FUEL TANK STRAP          | 2      | EA      |
| 3    | 713198          | SEAL 3/8x3/4 SOLD BY FT  | 72 cm  | FT      |
| 4    | 603807          | CAP, 3.5" RATCHETING GAS | 1      | EA      |
| 5    | 605245          | FUEL TANK                | 1      | EA      |
| 6    | 033001          | FLEXIBLE TRIM UNI-GRIP   | 10 cm  | FT      |
| 7    | 121234          | FUEL NECK DOUBLER        | 1      | EA      |
| 8    | 016899          | NT .375-16 FLKG5         | 2      | EA      |
| 9    | 605610          | VAPOR LINE, 3/16 FORMED  | 1      | EA      |
| 10   | 047456          | GM .750X.188X1.00X.12    | 1      | EA      |
| 11   | 605690          | TEE, 3/16" PLASTIC       | 1      | EA      |
| 12   | 605564          | BOOT, 3/16 TO 3/16       | 1      | EA      |
| 13   | 604323          | FILTER, VAPOR SYSTEM     | 1      | EA      |

Comments for Page: Fuel System

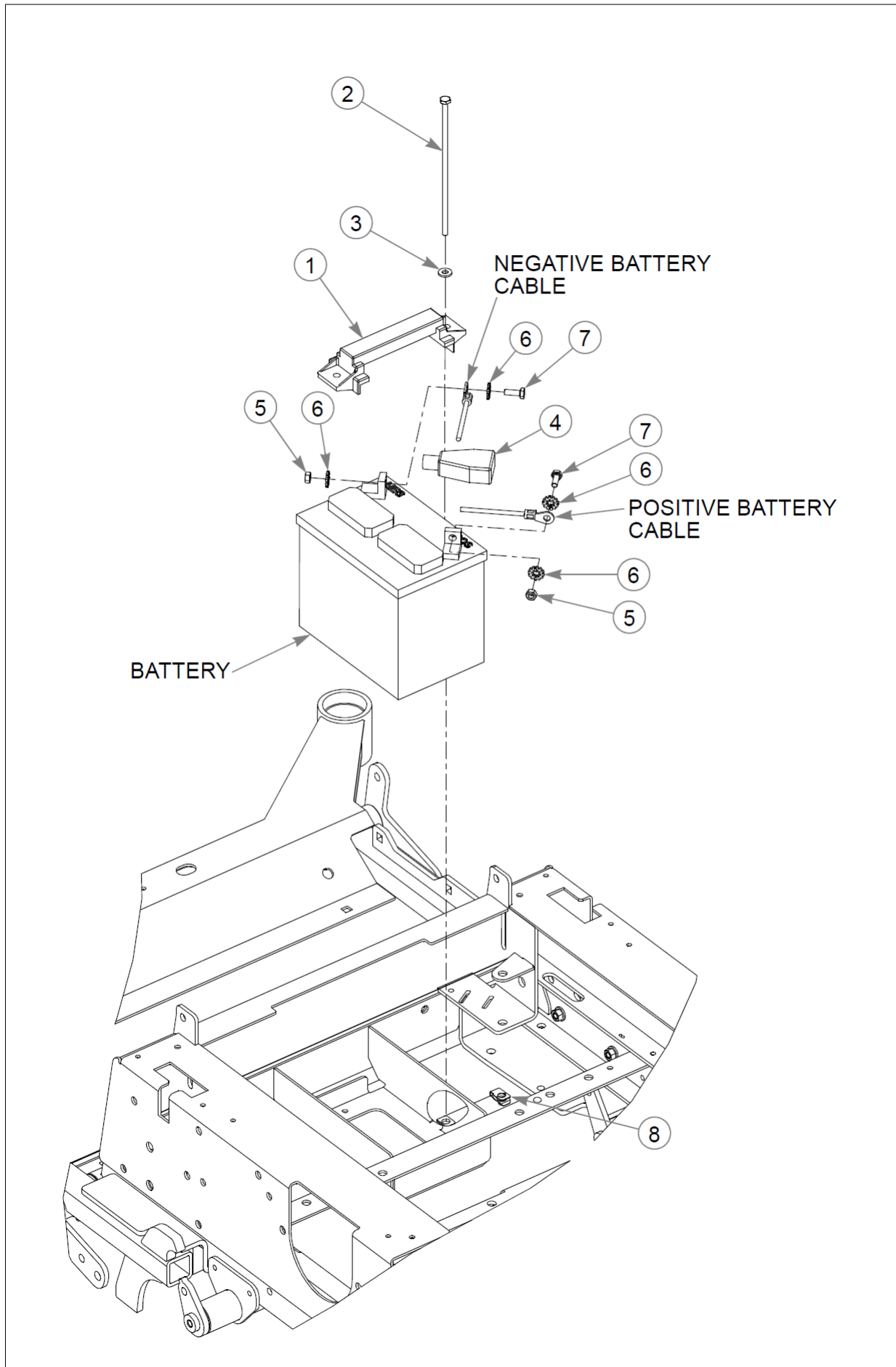
jmumford@excelii.com on Apr 22, 2016

WEATHERSTRIP & TRIM LENGTHS:

A: 18 cm

B: 10 cm

Electrical



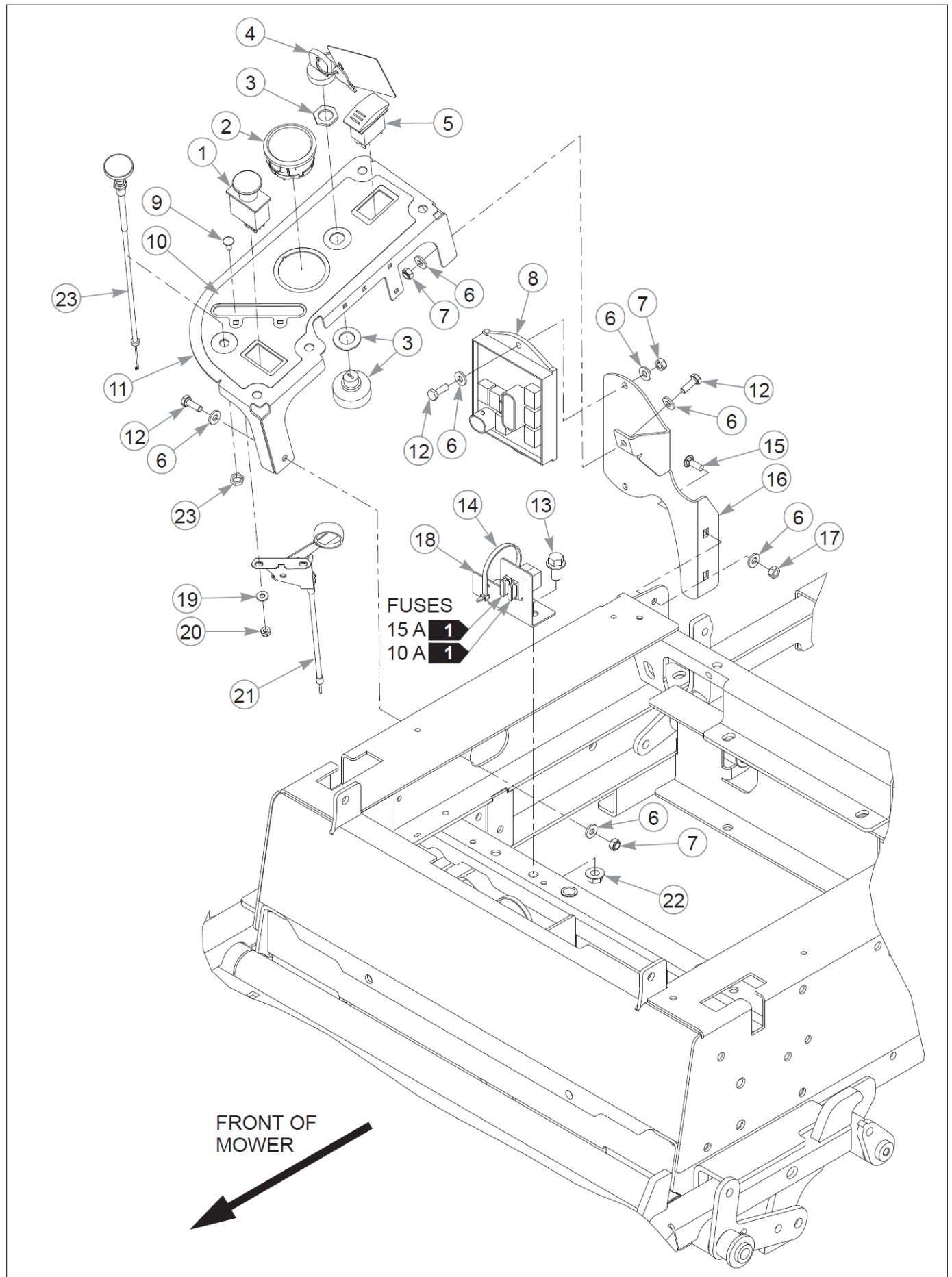
| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 604178          | STRAP, TIE DOWN          | 1      | EA      |
| 2    | 604465          | CS .250-20 x 7.50 HX G5  | 2      | EA      |
| 3    | 768515          | FW 0.281SAE              | 2      | EA      |
| 4    | 771428          | BATTERY CBL BOOT-RED(FS) | 1      | EA      |
| 5    | 024927          | NT .250-20HXG5           | 2      | EA      |
| 6    | 029868          | LW0.250INTEXT            | 4      | EA      |
| 7    | 055939          | CS .250-20X0.750HXG5     | 2      | EA      |
| 8    | 601982          | CN .250-20X .150 MAX THK | 2      | EA      |
| 9    | 000331          | WIRE TIE, SMALL/SHORT    | 2      | EA      |

Comments for Page: Battery

jmumford@excelii.com on Aug 17, 2015

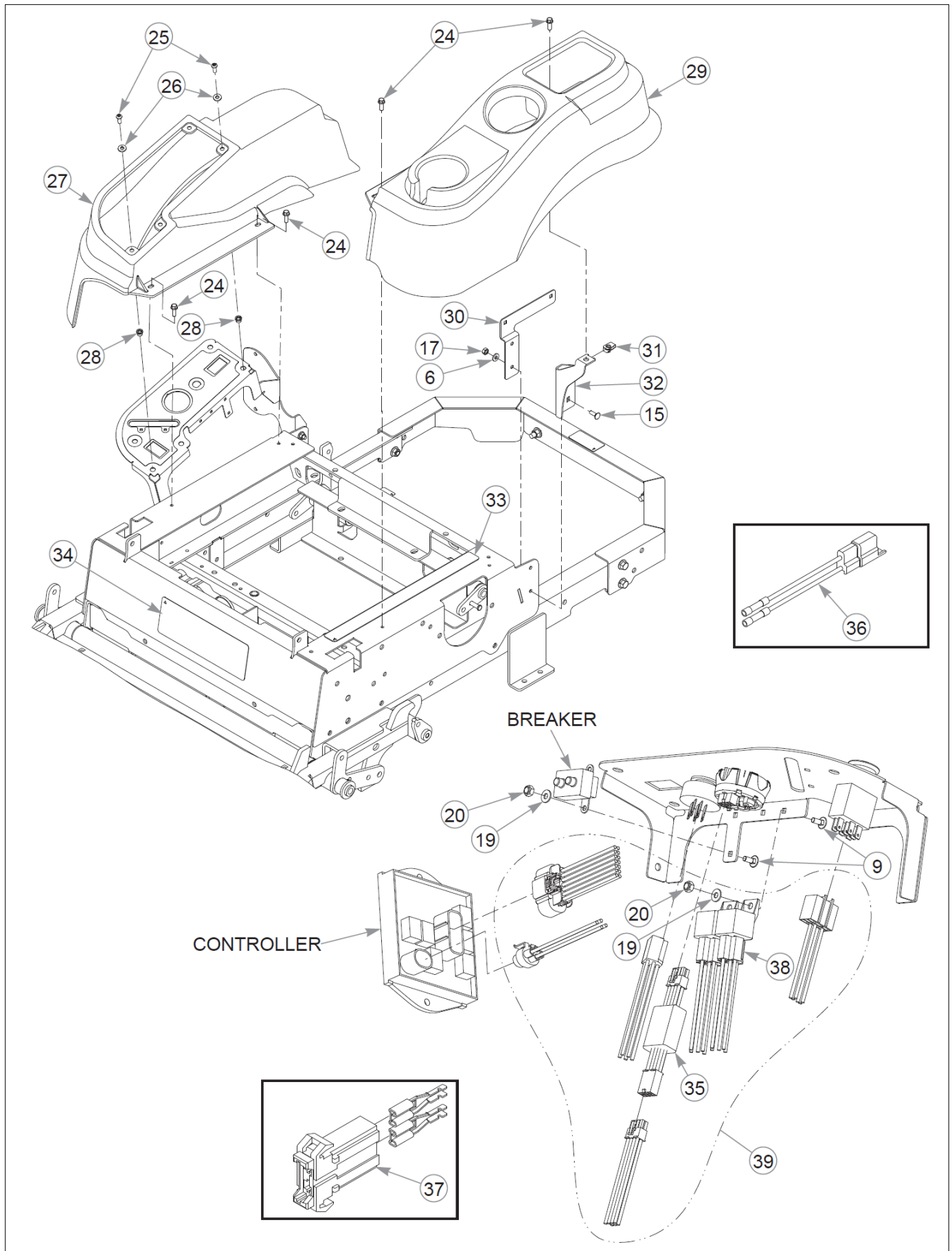
1. When performing service on the mower, disconnect the negative battery cable and do not reconnect it to the battery until ready to start the engine.

## Electrical





| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 776476          | SWITCH, PTO 6201-321     | 1      | EA      |
| 2    | 605483          | GAUGE, FUEL/HOURMETER    | 1      | EA      |
| 3    | 045898          | IGNITION SWITCH          | 1      | EA      |
| 4    | 785808          | KEY ASSEMBLY             | 1      | EA      |
| 5    | 797308          | SWITCH, ROCKER SPDT      | 1      | EA      |
| 6    | 768515          | FW 0.281SAE              | 12     | EA      |
| 7    | 068551          | NT .250-20 HXZY NL       | 4      | EA      |
| 8    | 605553          | CONTROLLER               | 1      | EA      |
| 9    | 601098          | CB 10-24 X .500 ZYNC     | 6      | EA      |
| 10   | 606225          | DECAL INST PANEL FU      | 1      | EA      |
| 11   | 552925          | SVC, INSTRUMENT PANEL    | 1      | EA      |
| 12   | 055939          | CS .250-20X0.750HXG5     | 4      | EA      |
| 13   | 029629          | CS .375-16X0.750FLK      | 2      | EA      |
| 14   | 000331          | WIRE TIE, SMALL/SHORT    | 2      | EA      |
| 15   | 794784          | CB .250-20 X .75 FUL ZN  | 4      | EA      |
| 16   | 120673          | FENDER BRACKET, RH       | 1      | EA      |
| 17   | 024927          | NT .250-20HXG5           | 4      | EA      |
| 18   | 121258          | FUSE BRKT                | 1      | EA      |
| 19   | 704932          | FW 0.219X0.500X0.048     | 6      | EA      |
| 20   | 059832          | NT #10-24 HX NL ZN       | 6      | EA      |
| 21   | 601096          | CABLE, THROTTLE          | 1      | EA      |
| 22   | 016899          | NT .375-16 FLKG5         | 2      | EA      |
| 23   | 601097          | CABLE, CHOKE             | 1      | EA      |
| 24   | 604324          | CS .250-20 X .75 HX FLG  | 5      | EA      |
| 25   | 605473          | CS .25-20 BH TX BZ       | 4      | EA      |
| 26   | 605628          | FW 0.281 X 0.625 X 0.066 | 4      | EA      |
| 27   | 605525          | RH FENDER                | 1      | EA      |
| 28   | 808477          | RIVET NUT, 1/4-20 THREA  | 4      | EA      |
| 29   | 605526          | LH FENDER                | 1      | EA      |
| 30   | 120785          | RESERVOIR MOUNT          | 1      | EA      |
| 31   | 601982          | CN .250-20X .150 MAX THK | 1      | EA      |
| 32   | 120674          | FENDER BRACKET, LH       | 1      | EA      |



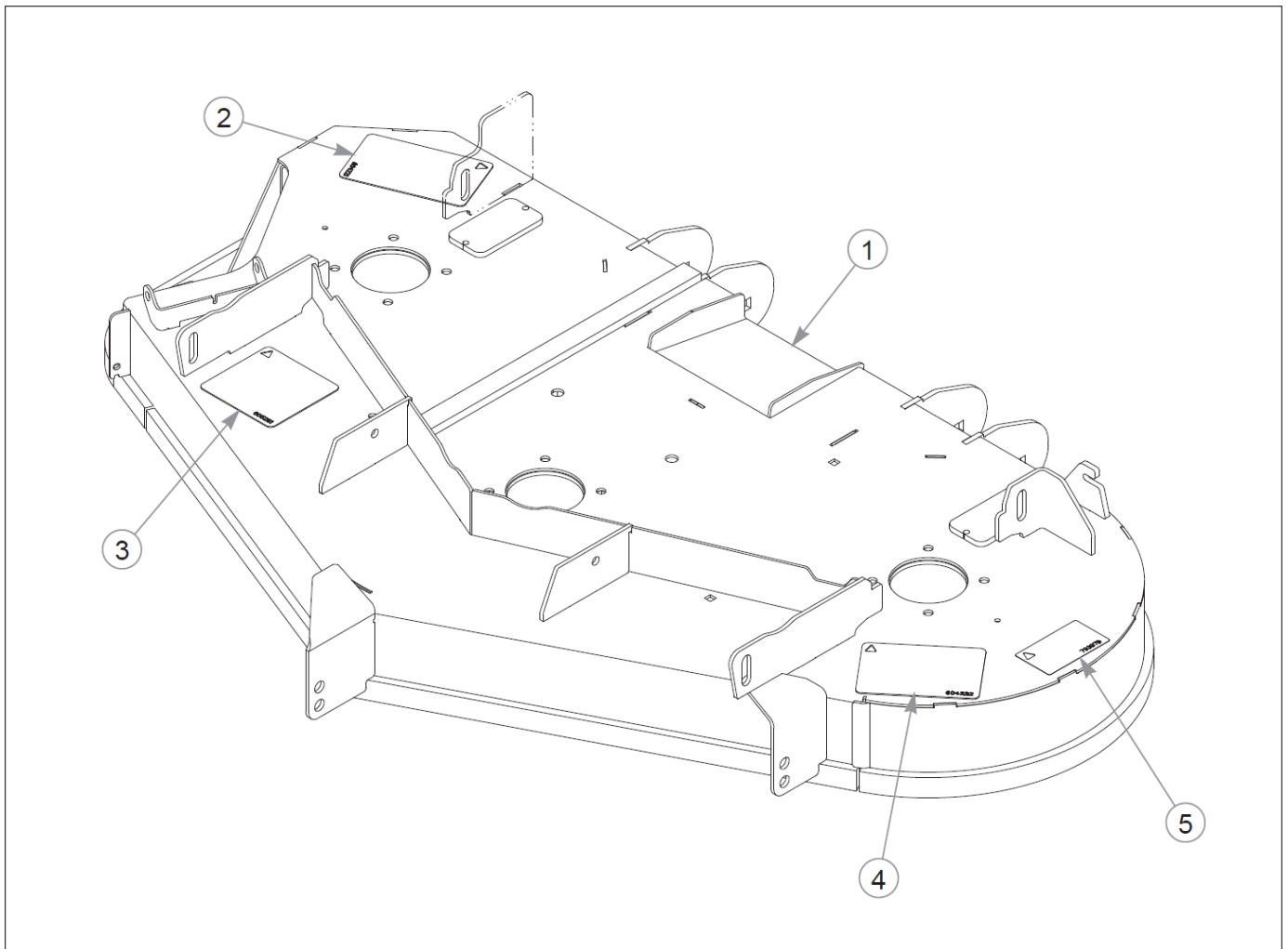
| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 33   | 601981          | DECAL, SAFE OPERATE-GRAY | 1      | EA      |
| 34   | 605681          | DECAL, KICK PAN RFU      | 1      | EA      |
| 35   | 605554          | WIRE HARNESS ADAPTER     | 1      | EA      |
| 36   | 114052          | KIT, CLUTCH CONN. REP.   | 1      | EA      |
| 37   | 601047          | HOLDER, FUSE             | 1      | EA      |
| 38   | 601053          | RELAY, SEALED W/BRACKET  | 2      | EA      |
| 39   | 605547          | WIRE HARNESS             | 1      | EA      |

Comments for Page: Fenders & Instrument Panel (Multi-Page)

jmumford@excelii.com on Nov 6, 2015

1. Part of the wire harness.
2. The instrument panel (552925) includes the decal (605645).
3. The sealed relay (601053) includes a bracket.

Deck



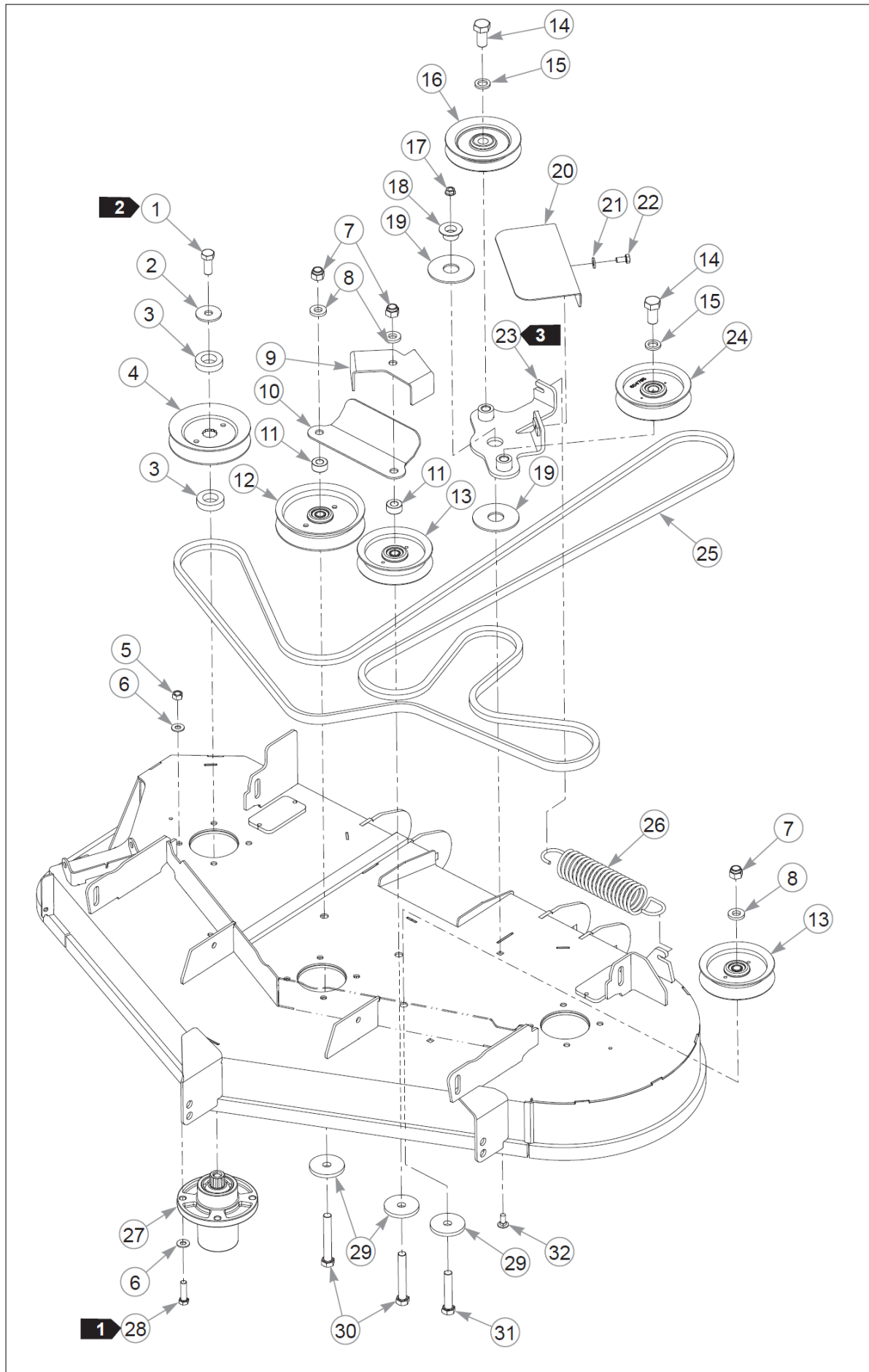
| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 552595          | SVC, DECK DECAL 48" SD  | 1      | EA      |
| 2    | 604221          | DECAL, DANGER / CHUTE   | 1      | EA      |
| 3    | 605251          | DECAL, BELT ROUTING     | 1      | EA      |
| 4    | 604222          | DECAL, DANGER / OBJECTS | 1      | EA      |
| 5    | 793976          | DECAL, 48" DECK ID      | 1      | EA      |

Comments for Page: 48" Side Discharge Service Deck

jmumford@excelii.com on Nov 10, 2016

1. The deck includes decals.

Deck



| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 705954          | CS .500-13X1.250HSG5     | 3      | EA      |
| 2    | 798603          | FW .515X1.65X.125 HD ZY  | 3      | EA      |
| 3    | 604661          | SPACER, SPINDLE PULLEY   | 6      | EA      |
| 4    | 604665          | PULLEY, DECK DRIVE B-SEC | 3      | EA      |
| 5    | 054502          | NT .375-16HXG5           | 12     | EA      |
| 6    | 767954          | FW 0.379 x 0.813 x 0.063 | 24     | EA      |
| 7    | 781567          | NT .500-13NLG5           | 3      | EA      |
| 8    | 767962          | FW .531 x 1.063 x .175   | 3      | EA      |
| 9    | 122745          | BELT GUIDE KIT           | 1      | EA      |
| 10   | 120005          | BELT GUIDE, DUAL         | 1      | EA      |
| 11   | 605285          | SPACER, BELT GUIDE       | 2      | EA      |
| 12   | 604231          | PULLEY, IDLER 5.00" O.D. | 1      | EA      |
| 13   | 604219          | IDLER PULLEY, 4.00" FLAT | 2      | EA      |
| 14   | 781872          | CS .625-11X1.250HXG5     | 2      | EA      |
| 15   | 028118          | FW 0.625X1.000X0.134     | 2      | EA      |
| 16   | 603785          | IDLER, V 4.9" OD         | 1      | EA      |
| 17   | 016832          | NT .312-18FLKG5          | 1      | EA      |
| 18   | 605238          | PIVOT BUSHING            | 1      | EA      |
| 19   | 605505          | BEARING DISC, UHMW       | 2      | EA      |
| 20   | 121120          | SHIELD, PIVOT IDLER 48"  | 1      | EA      |
| 21   | 768523          | FW 0.343SAE              | 1      | EA      |
| 22   | 064006          | CS .312-18X0.625HXG5     | 1      | EA      |
| 23   | 120006          | IDLER ARM DUAL PIVOT W/A | 1      | EA      |
| 24   | 604795          | PULLEY, IDLER FLAT 4.00" | 1      | EA      |
| 25   | 602078          | BELT, B 171.00" EL       | 1      | EA      |
| 26   | 605497          | SPRING, DECK IDLER       | 1      | EA      |
| 27   | 601804          | SPINDLE ASSEMBLY         | 3      | EA      |
| 28   | 005116          | CS .375-16X1.375         | 12     | EA      |
| 29   | 605516          | FW .531 x 2.25 x .25 ZNY | 3      | EA      |
| 30   | 061812          | CS .500-13X3.500HXG5     | 2      | EA      |
| 31   | 721910          | CS .500-13X2.750HXG5     | 1      | EA      |
| 32   | 016253          | CB .312-18X .750 FUL ZN  | 1      | EA      |

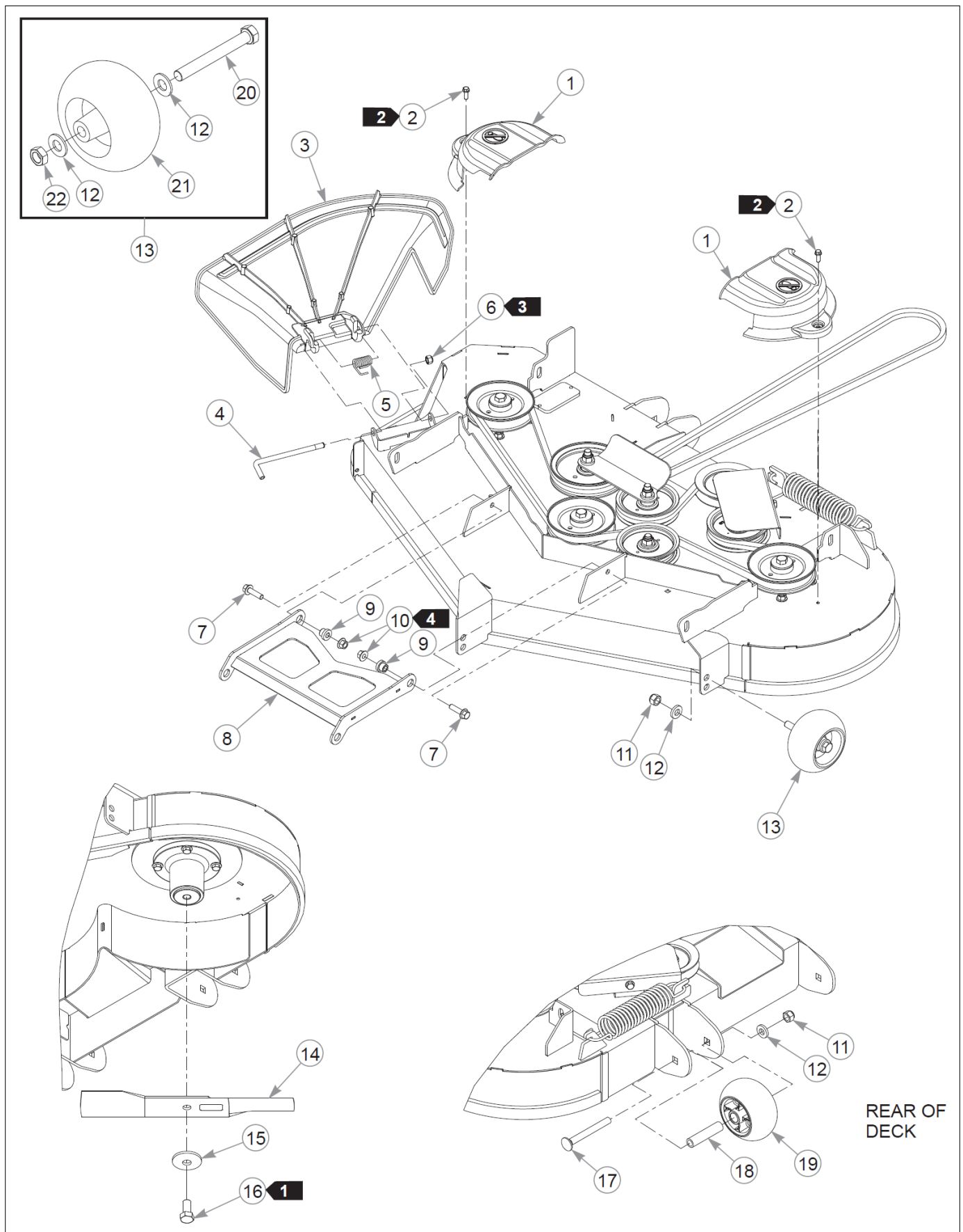
## Comments for Page: 48" Side Discharge Deck Pulleys &amp; Spindles

jmumford@excelii.com on Apr 22, 2016

1. Torque to 41 N•m.
2. Torque to 99 N•m.
3. Make sure the idler arm pivots freely.



## Deck



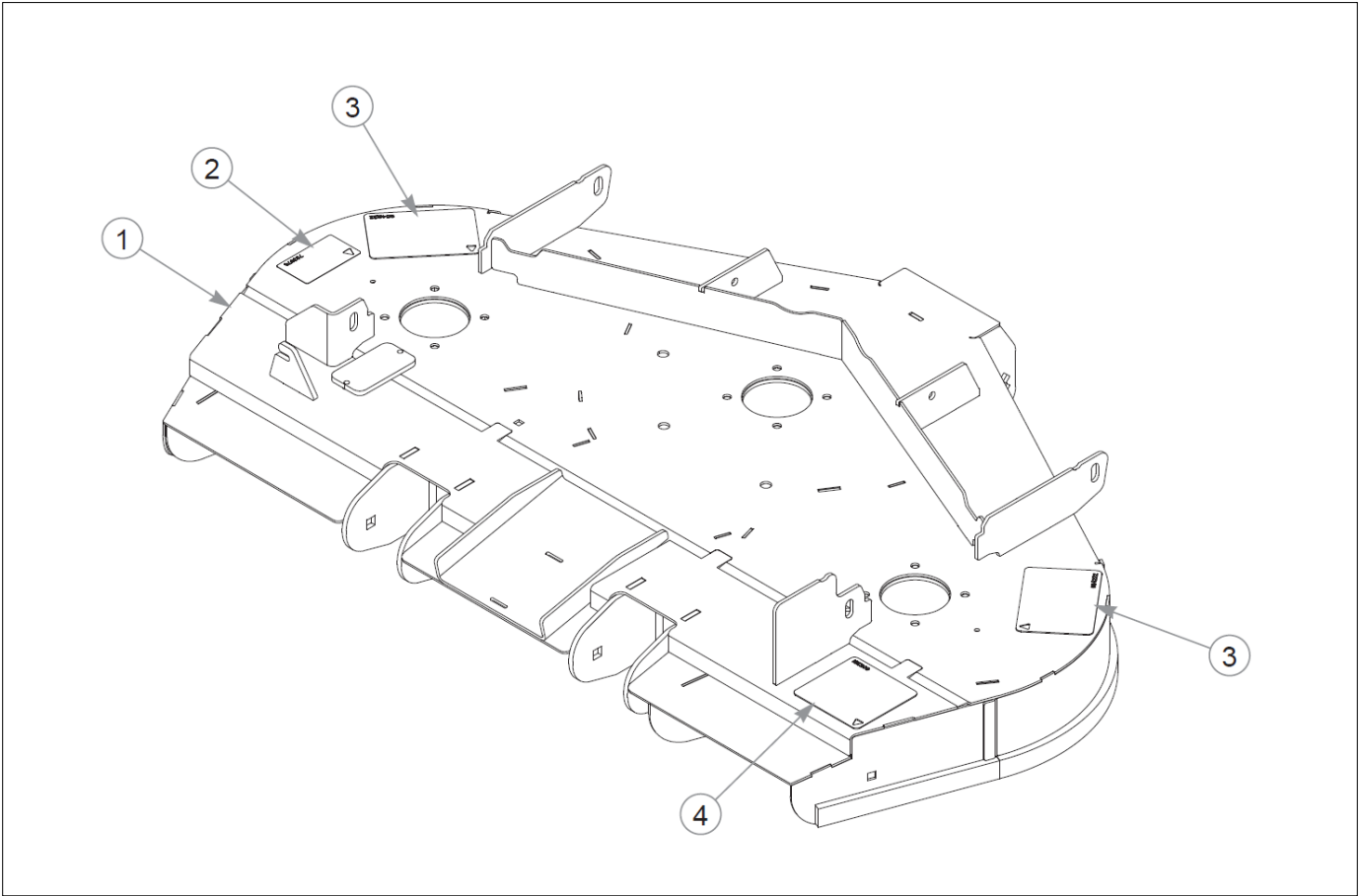
| Item      | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|-----------|-----------------|--------------------------|--------|---------|
| 1         | 605453          | PULLEY COVER, 48" DECKS  | 2      | EA      |
| 2         | 604324          | CS .250-20 X .75 HX FLG  | 2      | EA      |
| 3         | 604609          | DISCHARGE CHUTE          | 1      | EA      |
| 4         | 604346          | PIN, DISCHARGE CHUTE     | 1      | EA      |
| 5         | 604331          | CHUTE SPRING             | 1      | EA      |
| 6         | 086660          | NT .375-16NLG5           | 1      | EA      |
| 7         | 605532          | CSO .375-16X1.375 HXFLG5 | 2      | EA      |
| 8         | 121446          | PULLER W/A, FLIP-UP      | 1      | EA      |
| 9         | 605659          | PIVOT SPACER BUSHING     | 2      | EA      |
| 10        | 604515          | NT .375-16 FL NY GF      | 2      | EA      |
| 11        | 781567          | NT .500-13NLG5           | 4      | EA      |
| 12        | 767962          | FW .531 x 1.063 x .175   | 6      | EA      |
| 13        | 788166          | WHEEL ASSY, ANTI SCALP   | 2      | EA      |
| 14        | 601123          | BLADE, 16.50"-L-F-CW     | 3      | EA      |
| Not Shown | 601014          | BLADE, F16.50"-L-F-CW    | 3      | EA      |
| Not Shown | 795757          | BLADE, F16.50"-H-F-CW    | 3      | EA      |
| Not Shown | 796623          | BLADE, 16.50"-MUL-F-CW   | 3      | EA      |
| Not Shown | 796631          | BLADE, 16.50"-GAT-F-CW   | 3      | EA      |
| Not Shown | 796649          | BLADE, 16.50"-CAT-F-CW   | 3      | EA      |
| 15        | 782474          | CW .678 X 2.250 X .187   | 3      | EA      |
| 16        | 781872          | CS .625-11X1.250HXG5     | 3      | EA      |
| 17        | 602339          | CB .50-13 X 4.50 STD ZN  | 2      | EA      |
| 18        | 602345          | SPACER, ANTI-SCALP 3.22  | 2      | EA      |
| 19        | 602263          | WHEEL, ANTI-SCALP        | 2      | EA      |
| 20        | 781708          | CS .500-13X4.250HXG5     | 1      | EA      |
| 21        | 031997          | ANTI-SCALP WHEEL         | 1      | EA      |
| 22        | 053199          | NT .500-13JAMG5          | 1      | EA      |

Comments for Page: 48" Side Discharge Deck

jmumford@excelii.com on Apr 22, 2016

1. Torque to 160 N•m.
2. Torque to 5–13 N•m on these self-tapping screws.
3. Do not torque; the discharge chute must pivot freely.
4. Do not torque; the puller must pivot freely.

Deck



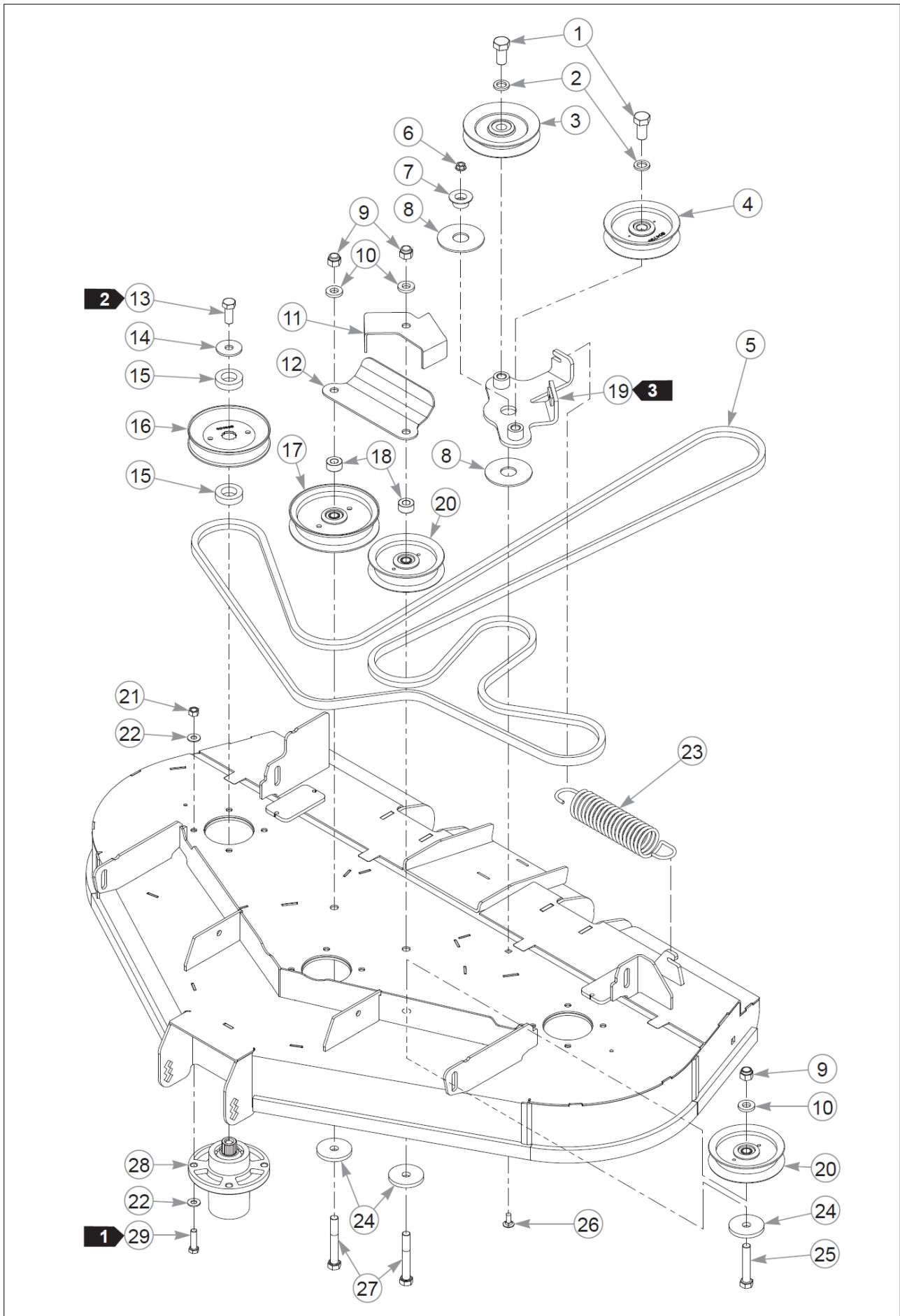
| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 552601          | SVC, DECK DECAL 48" RD  | 1      | EA      |
| 2    | 793976          | DECAL,48"DECK ID        | 1      | EA      |
| 3    | 604222          | DECAL, DANGER / OBJECTS | 2      | EA      |
| 4    | 605251          | DECAL, BELT ROUTING     | 1      | EA      |

Comments for Page: 48" Rear Discharge Service Deck

jmumford@excelii.com on Nov 10, 2016

1. The deck includes the decals.

## Deck



| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 781872          | CS .625-11X1.250HXG5     | 2      | EA      |
| 2    | 028118          | FW 0.625X1.000X0.134     | 2      | EA      |
| 3    | 603785          | IDLER, V 4.9" OD         | 1      | EA      |
| 4    | 604795          | PULLEY, IDLER FLAT 4.00" | 1      | EA      |
| 5    | 602078          | BELT, B 171.00" EL       | 1      | EA      |
| 6    | 016832          | NT .312-18FLKG5          | 1      | EA      |
| 7    | 605238          | PIVOT BUSHING            | 1      | EA      |
| 8    | 605505          | BEARING DISC, UHMW       | 2      | EA      |
| 9    | 781567          | NT .500-13NLG5           | 3      | EA      |
| 10   | 767962          | FW .531 x 1.063 x .175   | 3      | EA      |
| 11   | 122739          | FLIP UP GUARD            | 1      | EA      |
| 12   | 120005          | BELT GUIDE, DUAL         | 1      | EA      |
| 13   | 705954          | CS .500-13X1.250HSG5     | 3      | EA      |
| 14   | 798603          | FW .515X1.65X.125 HD ZY  | 3      | EA      |
| 15   | 604661          | SPACER, SPINDLE PULLEY   | 6      | EA      |
| 16   | 604665          | PULLEY, DECK DRIVE B-SEC | 3      | EA      |
| 17   | 604231          | PULLEY, IDLER 5.00" O.D. | 1      | EA      |
| 18   | 605285          | SPACER, BELT GUIDE       | 2      | EA      |
| 19   | 120006          | IDLER ARM DUAL PIVOT W/A | 1      | EA      |
| 20   | 604219          | IDLER PULLEY, 4.00" FLAT | 2      | EA      |
| 21   | 054502          | NT .375-16HXG5           | 12     | EA      |
| 22   | 767954          | FW 0.379 x 0.813 x 0.063 | 24     | EA      |
| 23   | 605497          | SPRING, DECK IDLER       | 1      | EA      |
| 24   | 605516          | FW .531 x 2.25 x .25 ZNY | 3      | EA      |
| 25   | 721910          | CS .500-13X2.750HXG5     | 1      | EA      |
| 26   | 016253          | CB .312-18X .750 FUL ZN  | 1      | EA      |
| 27   | 061812          | CS .500-13X3.500HXG5     | 2      | EA      |
| 28   | 601804          | SPINDLE ASSEMBLY         | 3      | EA      |
| 29   | 005116          | CS .375-16X1.375         | 12     | EA      |

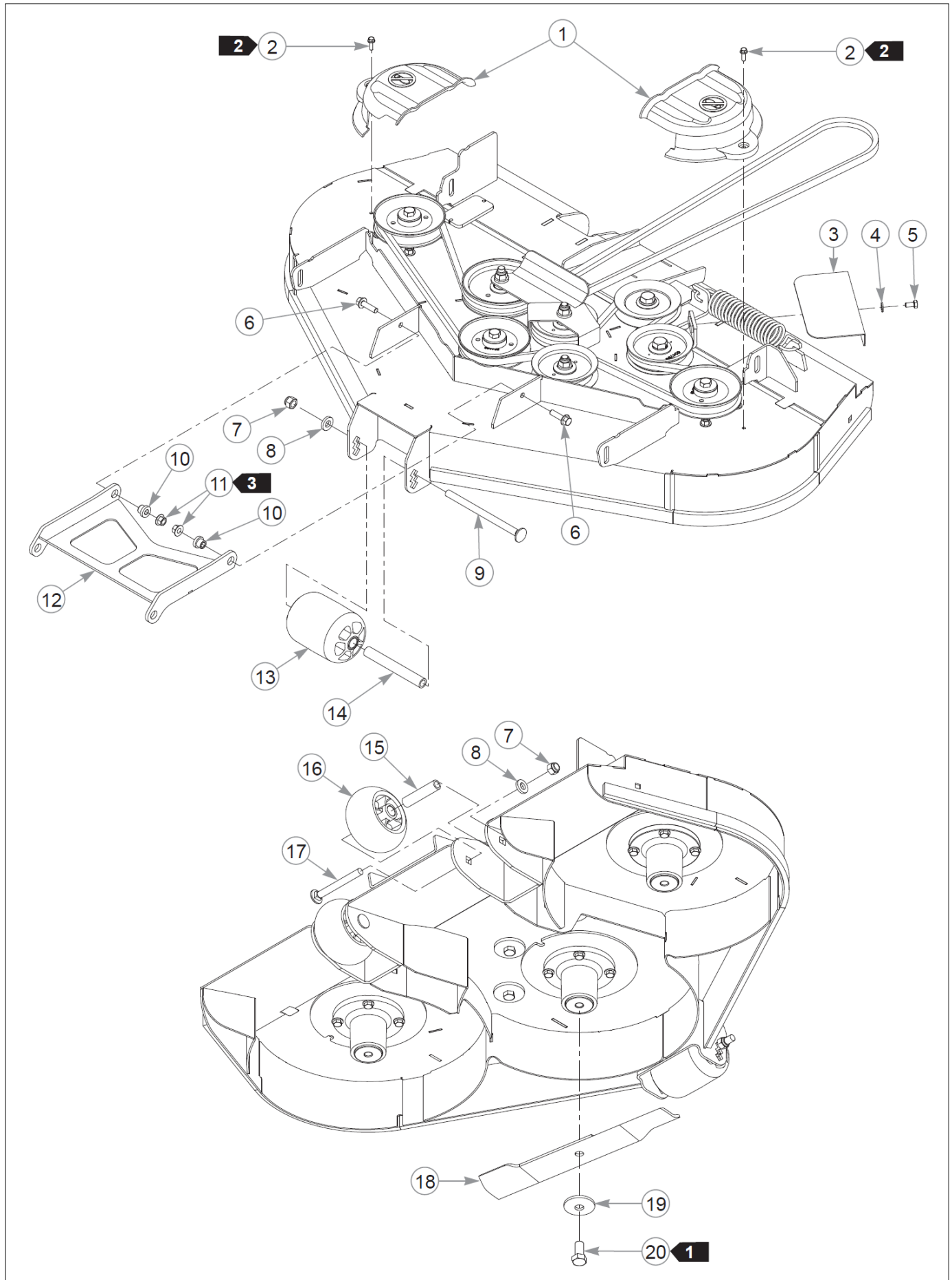
Comments for Page: 48" Rear Discharge Deck Pulleys & Spindles

jmumford@excelii.com on Nov 10, 2016

1. Torque to 41 N•m.
2. Torque to 99 N•m.
3. The idler arm must pivot freely.



## Deck



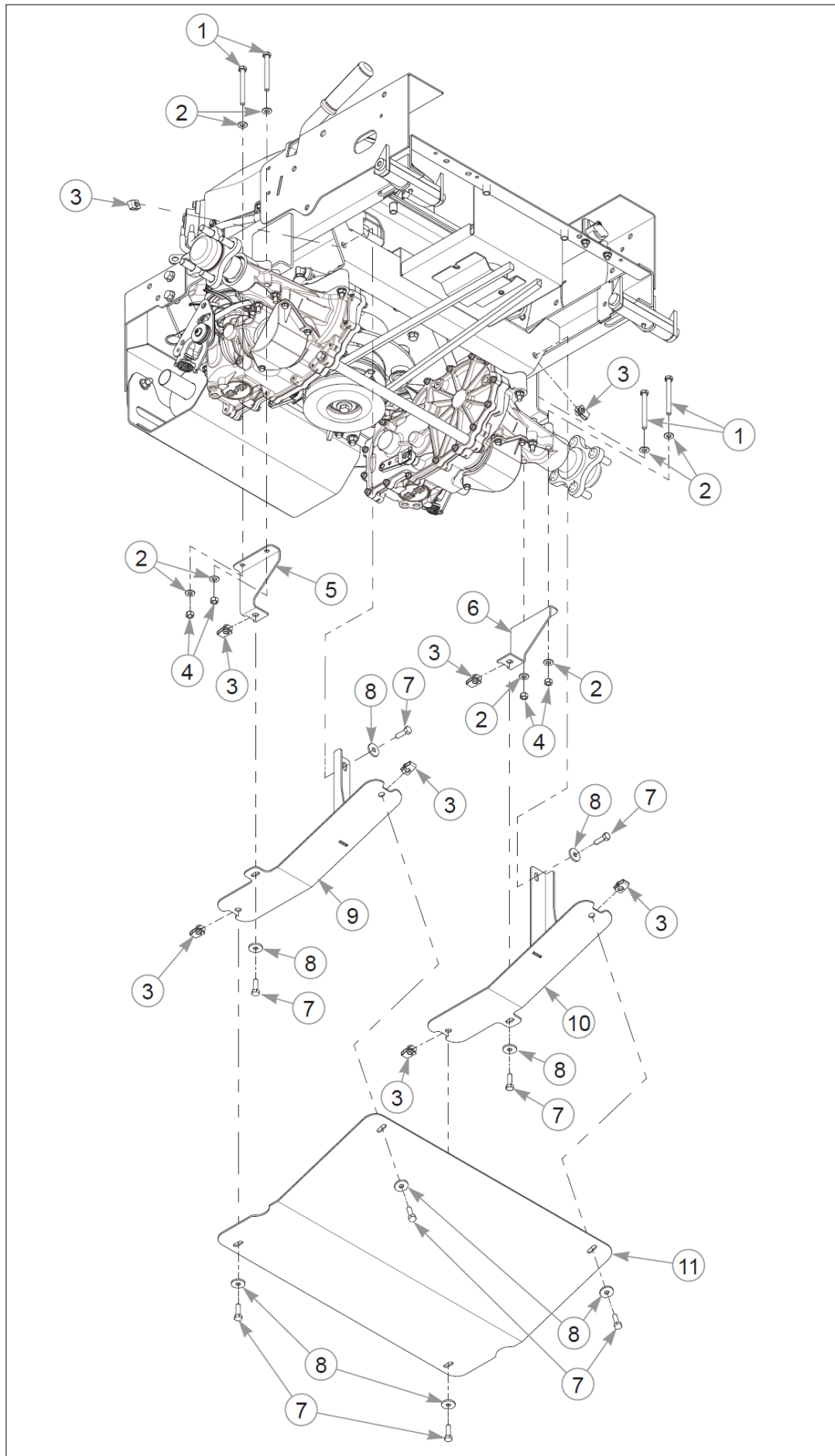
| Item      | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|-----------|-----------------|--------------------------|--------|---------|
| 1         | 605453          | PULLEY COVER, 48" DECKS  | 2      | EA      |
| 2         | 604324          | CS .250-20 X .75 HX FLG  | 2      | EA      |
| 3         | 121120          | SHIELD, PIVOT IDLER 48"  | 1      | EA      |
| 4         | 768523          | FW 0.343SAE              | 1      | EA      |
| 5         | 064006          | CS .312-18X0.625HXG5     | 1      | EA      |
| 6         | 605532          | CSO .375-16X1.375 HXFLG5 | 2      | EA      |
| 7         | 781567          | NT .500-13NLG5           | 3      | EA      |
| 8         | 767962          | FW .531 x 1.063 x .175   | 3      | EA      |
| 9         | 602338          | CB .50-13 X 7.50 STD ZN  | 1      | EA      |
| 10        | 605659          | PIVOT SPACER BUSHING     | 2      | EA      |
| 11        | 604515          | NT .375-16 FL NY GF      | 2      | EA      |
| 12        | 121446          | PULLER W/A, FLIP-UP      | 1      | EA      |
| 13        | 602341          | WHEEL, ANTI-SCALP        | 1      | EA      |
| 14        | 602344          | SPACER, ANTI- SCALP 5.73 | 1      | EA      |
| 15        | 602345          | SPACER, ANTI-SCALP 3.22  | 2      | EA      |
| 16        | 602263          | WHEEL, ANTI-SCALP        | 2      | EA      |
| 17        | 602339          | CB .50-13 X 4.50 STD ZN  | 2      | EA      |
| 18        | 601123          | BLADE, 16.50"-L-F-CW     | 3      | EA      |
| Not Shown | 601014          | BLADE, F16.50"-L-F-CW    | 3      | EA      |
| Not Shown | 796623          | BLADE, 16.50"-MUL-F-CW   | 3      | EA      |
| Not Shown | 796631          | BLADE, 16.50"-GAT-F-CW   | 3      | EA      |
| 19        | 782474          | CW .678 X 2.250 X .187   | 3      | EA      |
| 20        | 781872          | CS .625-11X1.250HXG5     | 3      | EA      |

Comments for Page: 48" Rear Discharge Deck

jmumford@excelii.com on Nov 10, 2016

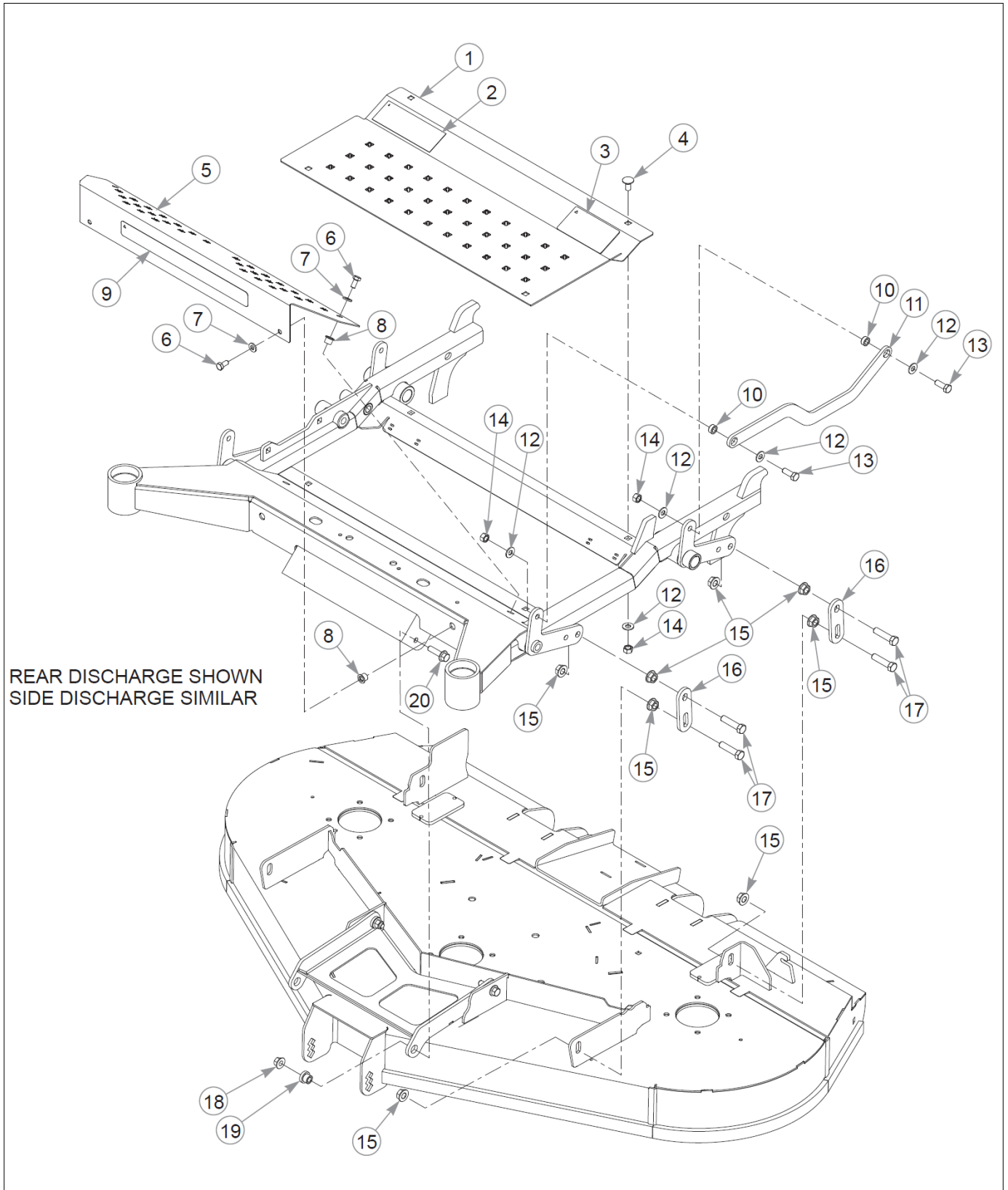
1. Torque to 160 N•m.
2. Torque to 3–7 N•m on these 2 self-tapping screws.
3. Do not torque; the puller must pivot freely.

Deck

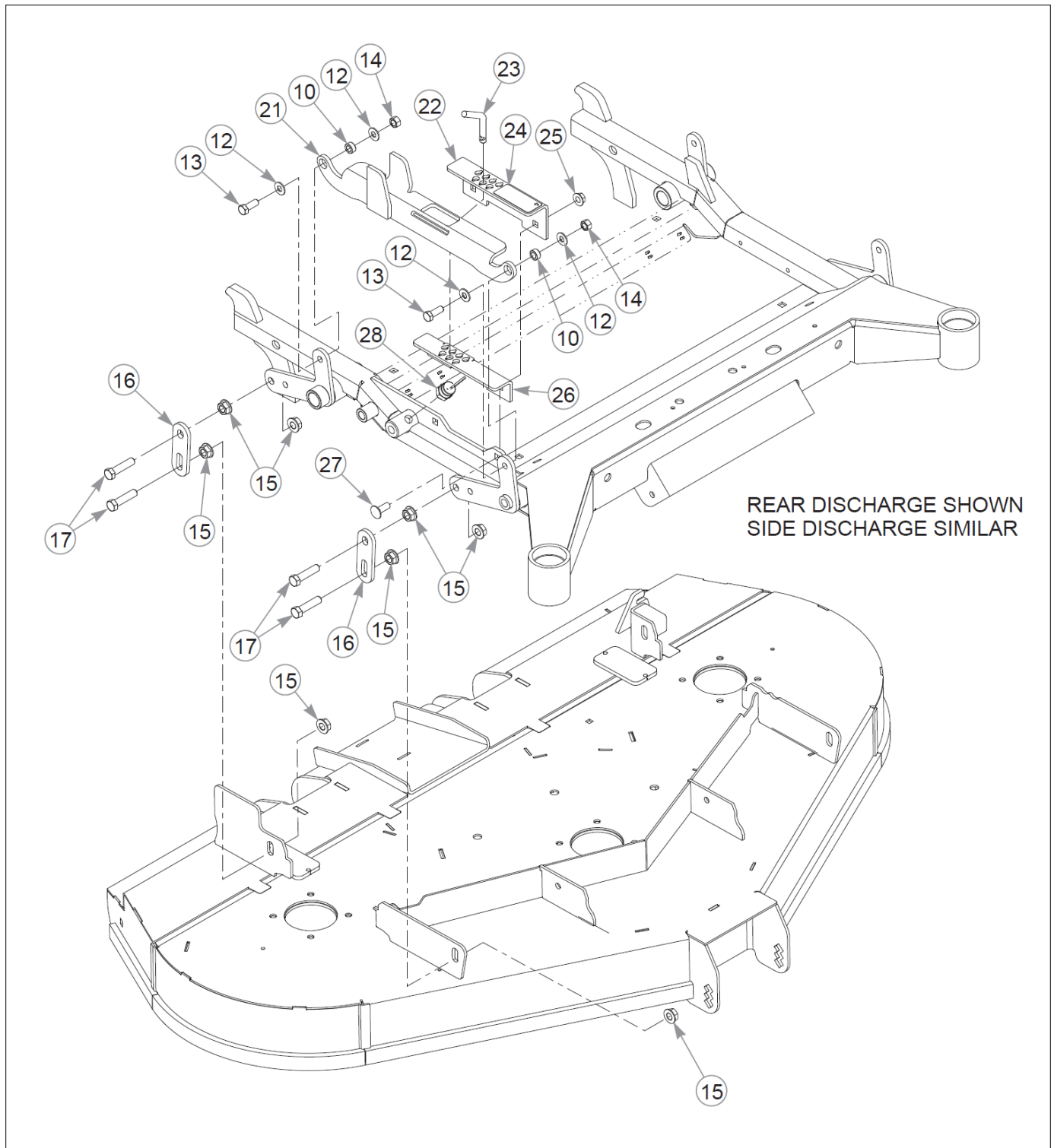


| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 043067          | CS .312-18X3.000HXG5    | 4      | EA      |
| 2    | 768523          | FW 0.343SAE             | 8      | EA      |
| 3    | 601069          | CN .312-18x.200 MAX THK | 8      | EA      |
| 4    | 034272          | NT .312-18HXG5          | 4      | EA      |
| 5    | 123473          | FLIP UP BRACKET RS      | 1      | EA      |
| 6    | 123474          | FLIP UP BRACKET LS      | 1      | EA      |
| 7    | 036236          | CS .312-18X1.000HXG5    | 8      | EA      |
| 8    | 712927          | FW 0.344X1.000X0.120HD  | 8      | EA      |
| 9    | 123475          | MOUNT PLATE W/A RS      | 1      | EA      |
| 10   | 123476          | MOUNT PLATE W/A LS      | 1      | EA      |
| 11   | 123477          | FLIP UP SHIELD          | 1      | EA      |

Deck



| Item | Onderdeelnummer | Naam                     | Aantal | Eenheid |
|------|-----------------|--------------------------|--------|---------|
| 1    | 553005          | SVC, FLOOR PAN RFU       | 1      | EA      |
| 2    | 606128          | DECAL QUICKFLIP          | 1      | EA      |
| 3    | 600899          | DECAL, PUMP BELT WARNING | 1      | EA      |
| 4    | 011320          | CB .375-16X .750 STD ZN  | 4      | EA      |
| 5    | 552926          | SVC, FOOTREST RFU        | 1      | EA      |
| 6    | 064014          | CS .312-18X0.875HXG5     | 4      | EA      |
| 7    | 768523          | FW 0.343SAE              | 4      | EA      |
| 8    | 808485          | RIVET NUT, 5/16-18 THRE  | 4      | EA      |
| 9    | 602407          | DECAL, HUSTLER ID        | 1      | EA      |
| 10   | 118900          | SPACER, DECK LIFT LINK   | 4      | EA      |
| 11   | 118896          | DECK LIFT LINK           | 1      | EA      |
| 12   | 767954          | FW 0.379 x 0.813 x 0.063 | 12     | EA      |
| 13   | 036244          | CS .375-16X1.000HXG5     | 4      | EA      |
| 14   | 054502          | NT .375-16HXG5           | 8      | EA      |
| 15   | 704643          | NT .437-14FLKG5          | 16     | EA      |
| 16   | 110880          | DECK LIFT LINK,          | 4      | EA      |
| 17   | 055749          | CS .437-14X1.750HXG5     | 8      | EA      |
| 18   | 604515          | NT .375-16 FL NY GF      | 2      | EA      |
| 19   | 605659          | PIVOT SPACER BUSHING     | 2      | EA      |
| 20   | 605532          | CSO .375-16X1.375 HXFLG5 | 2      | EA      |
| 21   | 118893          | W/A, CUT HT. INDICATOR   | 1      | EA      |
| 22   | 552927          | SVC, CUT HT, BRKT OUTER  | 1      | EA      |
| 23   | 601963          | PIN, DECK HEIGHT STOP    | 1      | EA      |
| 24   | 605685          | DECAL, DECK HEIGHT       | 1      | EA      |
| 25   | 016899          | NT .375-16 FLKG5         | 2      | EA      |
| 26   | 118897          | CUT HT. BRKT INNER       | 1      | EA      |
| 27   | 025395          | CB .375-16X 1.00 G5 ZNY  | 2      | EA      |
| 28   | 605239          | BALL SWITCH, N.O.        | 1      | EA      |
| 29   | 000331          | WIRE TIE, SMALL/SHORT    | 4      | EA      |



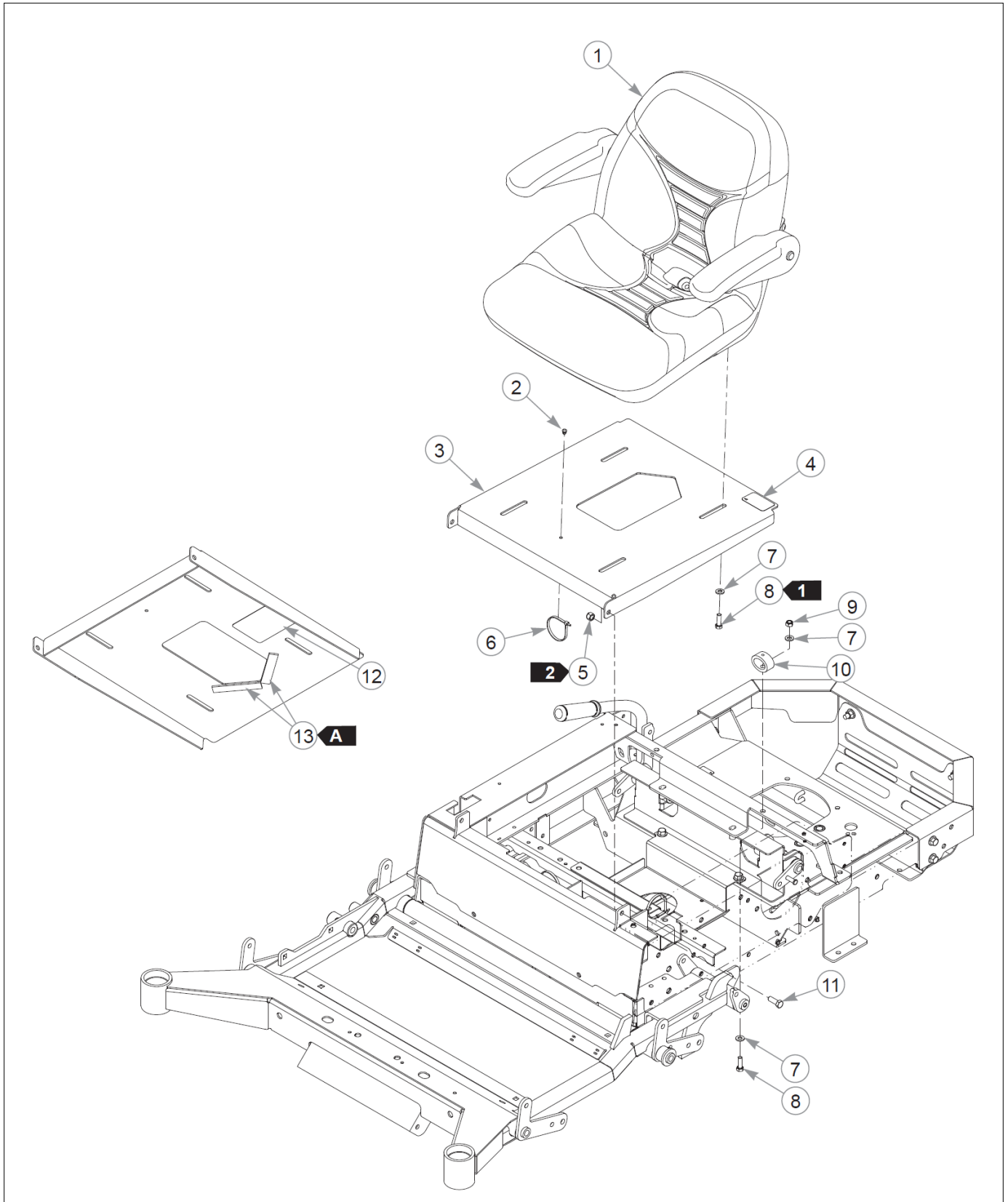
Comments for Page: Deck Carrier (Multi-Page)

jmumford@excelii.com on Aug 17, 2015

1. The floor pan, footrest and outer cutting height bracket include decals.



Seat



| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 792226          | SEAT, MICHIGAN STANDARD | 1      | EA      |
| 2    | 604307          | MOUNT, PUSH BUTTON      | 1      | EA      |
| 3    | 552924          | SVC, SEAT PAN RFU       | 1      | EA      |
| 4    | 605782          | DECAL, LEVEL FUEL BLOWM | 1      | EA      |
| 5    | 086660          | NT .375-16NLG5          | 2      | EA      |
| 6    | 000331          | WIRE TIE, SMALL/SHORT   | 1      | EA      |
| 7    | 768523          | FW 0.343SAE             | 8      | EA      |
| 8    | 036236          | CS .312-18X1.000HXG5    | 6      | EA      |
| 9    | 058776          | NT .312-18NLG5          | 2      | EA      |
| 10   | 605663          | SEAT BUMPER             | 2      | EA      |
| 11   | 036244          | CS .375-16X1.000HXG5    | 2      | EA      |
| 12   | 601815          | DECAL, BATTERY WARNINGS | 1      | EA      |
| 13   | 033035          | WEATHERSTRIP .12X.75    | 20 cm  | FT      |

Comments for Page: Seat, Standard

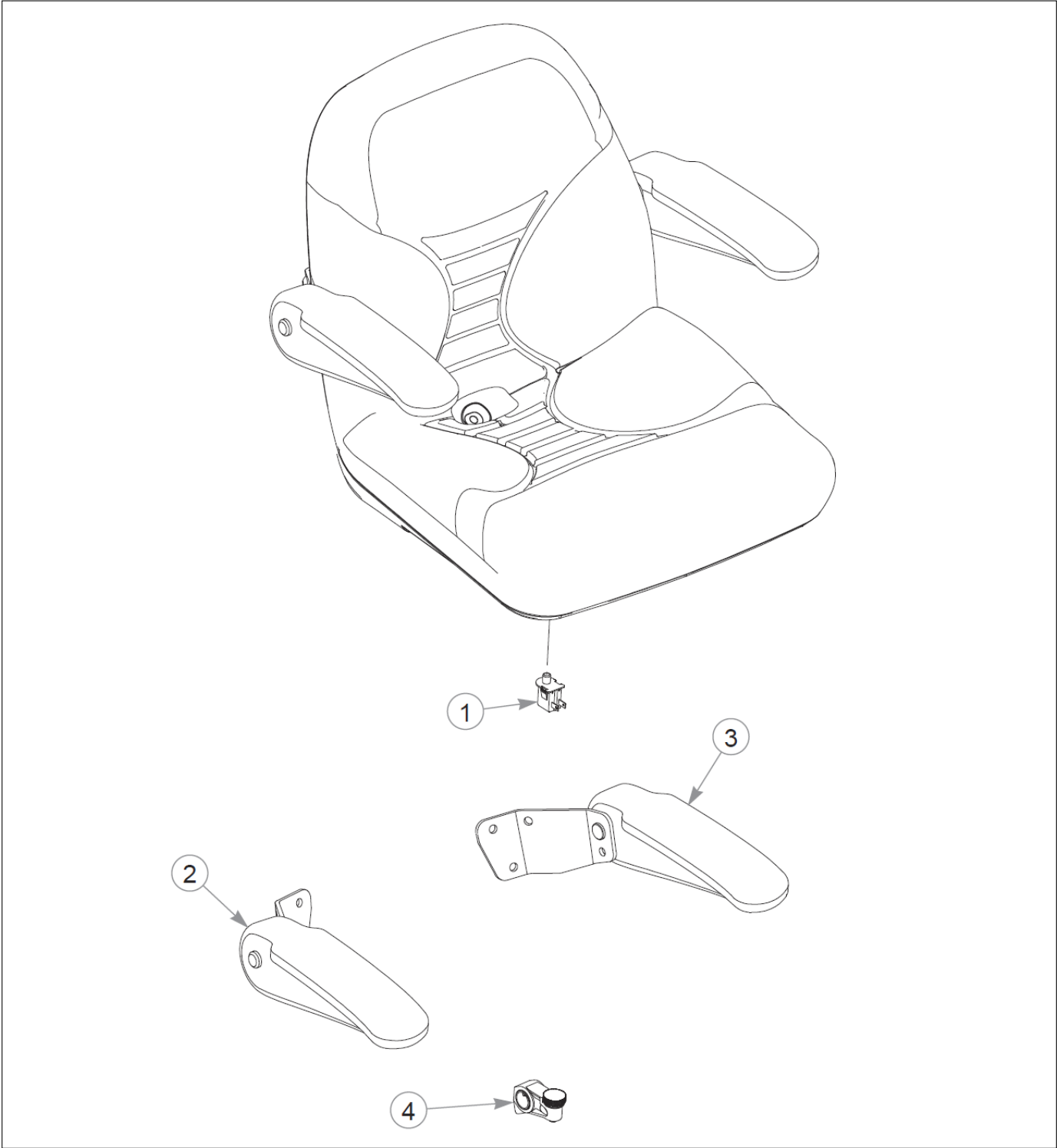
jmumford@excelii.com on Apr 22, 2016

WEATHERSTRIP LENGTH:

A: 10 cm

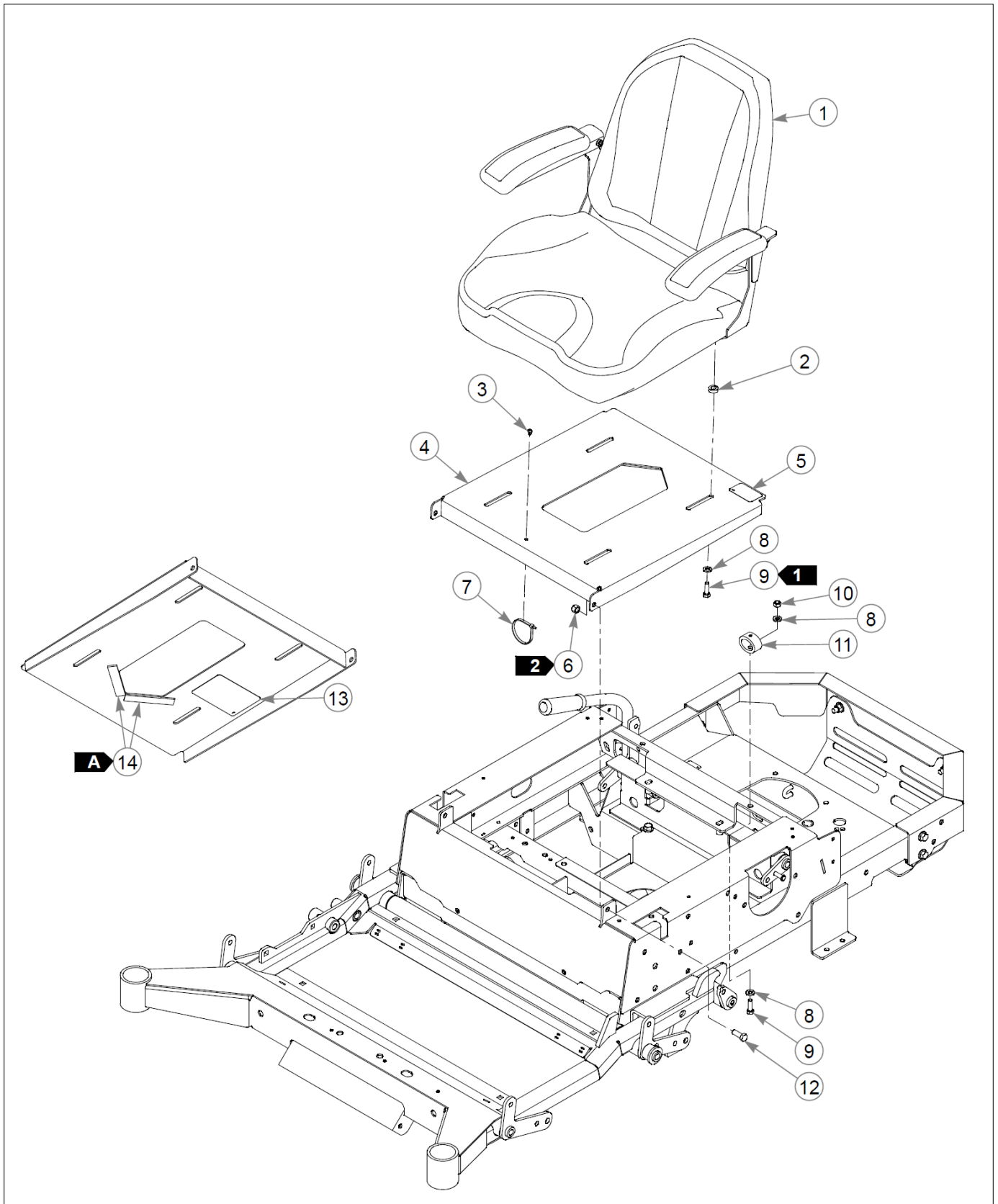
1. Torque to 9.5 N•m.
2. Do not torque; the seat pan must pivot freely.

Seat



| Item         | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|--------------|-----------------|-------------------------|--------|---------|
| Not<br>Shown | 792226          | SEAT, MICHIGAN STANDARD | 1      | EA      |
| 1            | 793315          | SWITCH, SEAT            | 1      | EA      |
| 2            | 604459          | EXT. ARMREST KIT R.H.   | 1      | EA      |
| 3            | 604458          | EXT. ARMREST KIT L.H.   | 1      | EA      |
| 4            | 793273          | ARMREST,STOP ASSY       | 2      | EA      |

# Seat



| Item | Onderdeelnummer | Naam                    | Aantal | Eenheid |
|------|-----------------|-------------------------|--------|---------|
| 1    | 606077          | SEAT, SEATS INC 907     | 1      | EA      |
| 2    | 073858          | FW .406X .750X.250 ZNYC | 4      | EA      |
| 3    | 604307          | MOUNT, PUSH BUTTON      | 1      | EA      |
| 4    | 552924          | SVC, SEAT PAN RFU       | 1      | EA      |
| 5    | 605782          | DECAL, LEVEL FUEL BLOWM | 1      | EA      |
| 6    | 086660          | NT .375-16NLG5          | 2      | EA      |
| 7    | 000331          | WIRE TIE, SMALL/SHORT   | 1      | EA      |
| 8    | 768523          | FW 0.343SAE             | 8      | EA      |
| 9    | 036236          | CS .312-18X1.000HXG5    | 6      | EA      |
| 10   | 058776          | NT .312-18NLG5          | 2      | EA      |
| 11   | 605663          | SEAT BUMPER             | 2      | EA      |
| 12   | 036244          | CS .375-16X1.000HXG5    | 2      | EA      |
| 13   | 601815          | DECAL, BATTERY WARNINGS | 1      | EA      |
| 14   | 033035          | WEATHERSTRIP .12X.75    | 20 cm  | FT      |

Comments for Page: Seat, Seats Inc.

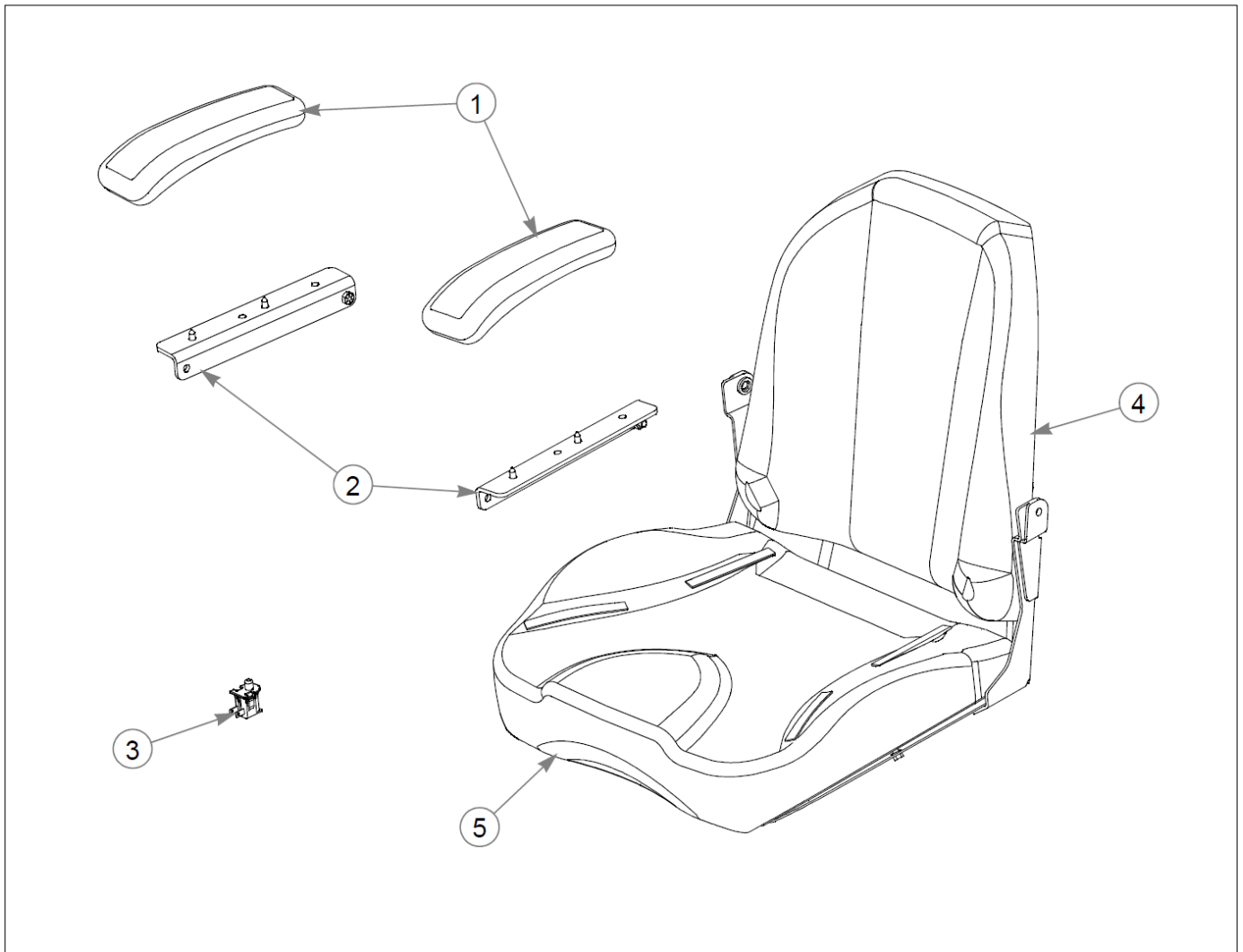
jmumford@excelii.com on Nov 10, 2016

WEATHERSTRIP LENGTH

A: 10 cm

1. Torque to 23 N•m.
2. Do not torque; the seat pan must pivot freely.
3. The seat pan includes decals.

Seat



| Item      | Onderdeelnummer | Naam                | Aantal | Eenheid |
|-----------|-----------------|---------------------|--------|---------|
| Not Shown | 606077          | SEAT, SEATS INC 907 | 1      | EA      |
| 1         | 606081          | SVC, ARM PADS       | 2      | EA      |
| 2         | 606085          | SVC, ARMEST SET     | 1      | EA      |
| 3         | 606082          | SVC, OPS            | 1      | EA      |
| 4         | 606083          | SVC, BACK CUSHION   | 1      | EA      |
| 5         | 606084          | SVC, SEAT CUSHION   | 1      | EA      |

Comments for Page: Seat Service Parts, Seats Inc.

jmumford@excelii.com on Oct 20, 2016

1. The arm bracket kit includes right and left side brackets.



Appendix A:Pagina-index

|                                            |     |
|--------------------------------------------|-----|
| 48" Rear Discharge Deck .....              | 8-6 |
| 48" Rear Discharge Deck Pulleys & Spindles |     |
| 8-5                                        |     |
| 48" Rear Discharge Service Deck .....      | 8-4 |
| 48" Side Discharge Deck .....              | 8-3 |
| 48" Side Discharge Deck Pulleys & Spindles |     |
| 2                                          |     |
| 48" Side Discharge Service Deck .....      | 8-1 |
| Battery .....                              | 7-1 |
| Deck Carrier (Multi-Page) .....            | 8-8 |
| Drive Wheel Breakdown .....                | 5-3 |
| Engine (Multi-Page) .....                  | 6-1 |
| Engine Service Parts .....                 | 6-2 |
| Fenders & Instrument Panel (Multi-Page) .. | 7-2 |
| Frame .....                                | 3-1 |
| Front Tire Breakdown .....                 | 5-2 |
| Fuel System .....                          | 6-3 |
| General Information .....                  | 1   |
| Hydraulic System .....                     | 4-1 |
| Rear Discharge Deck Shield .....           | 8-7 |
| Seat Service Parts - Standard Seat .....   | 9-2 |
| Seat Service Parts, Seats Inc. ....        | 9-4 |
| Seat, Seats Inc. ....                      | 9-3 |
| Seat, Standard .....                       | 9-1 |
| Steering & Deck Lift Controls Sub-Assembly |     |
| 4-6                                        |     |
| Steering & Deck Lift Controls—S/N 16042182 |     |
| & Higher (Multi-Page) .....                | 4-4 |
| Steering & Deck Lift Controls—S/N Prior to |     |
| 16042182 (Multi-Page) .....                | 4-5 |
| Transmission Service Parts - 604708 .....  | 4-2 |
| Transmission Service Parts - 604709 .....  | 4-3 |
| Wheel & Tire .....                         | 5-1 |

|                            |        |                                   |
|----------------------------|--------|-----------------------------------|
| Appendix B:Onderdelenindex | 044255 | 6-1                               |
| 000323                     | 045088 | 4-1                               |
| 000331                     | 045898 | 7-2                               |
| 005108                     | 047456 | 6-3                               |
| 005116                     | 052860 | 4-1, 4-4, 4-5                     |
| 008193                     | 053199 | 8-3                               |
| 011320                     | 054502 | 3-1, 4-5, 6-1, 8-2, 8-5, 8-8      |
| 015495                     | 055749 | 8-8                               |
| 015818                     | 055939 | 4-4, 4-5, 4-6, 6-1, 7-1, 7-2      |
| 016253                     | 058776 | 4-4, 4-5, 4-6, 9-1, 9-3           |
| 016410                     | 059832 | 7-2                               |
| 016527                     | 061077 | 5-1                               |
| 016816                     | 061812 | 8-2, 8-5                          |
| 016832                     | 063198 | 4-4, 4-5, 4-6                     |
| 016899                     | 064006 | 8-2, 8-6                          |
| 016972                     | 064014 | 8-8                               |
| 019521                     | 068478 | 6-2                               |
| 023317                     | 068551 | 4-1, 4-4, 4-5, 7-2                |
| 023655                     | 073858 | 9-3                               |
| 024927                     | 080655 | 4-4, 4-5                          |
| 025296                     | 086660 | 4-1, 4-4, 4-5, 4-6, 8-3, 9-1, 9-3 |
| 025395                     | 089938 | 4-4, 4-5                          |
| 028118                     | 109202 | 4-4, 4-5                          |
| 029629                     | 109203 | 4-4, 4-5                          |
| 029751                     | 110880 | 8-8                               |
| 029868                     | 114052 | 7-2                               |
| 029876                     | 116141 | 4-6                               |
| 029934                     | 116142 | 4-6                               |
| 030817                     | 118310 | 4-1                               |
| 031997                     | 118837 | 4-4, 4-5                          |
| 033001                     | 118859 | 4-4, 4-5                          |
| 033035                     | 118878 | 6-3                               |
| 034272                     | 118882 | 4-4, 4-5                          |
| 034652                     | 118888 | 4-4, 4-5                          |
| 036236                     | 118889 | 4-4, 4-5                          |
| 036244                     | 118890 | 4-4, 4-5                          |
| 043067                     | 118891 | 4-4, 4-5                          |

|        |          |        |               |
|--------|----------|--------|---------------|
| 118893 | 8-8      | 552923 | 4-6           |
| 118896 | 8-8      | 552924 | 9-1, 9-3      |
| 118897 | 8-8      | 552925 | 7-2           |
| 118900 | 8-8      | 552926 | 8-8           |
| 119302 | 4-6      | 552927 | 8-8           |
| 119303 | 4-4, 4-5 | 552930 | 3-1           |
| 119304 | 4-6      | 553005 | 8-8           |
| 120005 | 8-2, 8-5 | 600676 | 5-1           |
| 120006 | 8-2, 8-5 | 600692 | 5-3           |
| 120131 | 4-4, 4-5 | 600718 | 5-3           |
| 120370 | 3-1      | 600767 | 4-1           |
| 120430 | 4-4, 4-5 | 600899 | 8-8           |
| 120440 | 5-2      | 600970 | 4-2, 4-3      |
| 120673 | 7-2      | 600972 | 4-2, 4-3      |
| 120674 | 7-2      | 600974 | 4-3           |
| 120785 | 7-2      | 600975 | 4-2           |
| 121108 | 3-1      | 600976 | 4-2, 4-3      |
| 121120 | 8-2, 8-6 | 601001 | 4-1           |
| 121234 | 6-3      | 601014 | 8-3, 8-6      |
| 121258 | 7-2      | 601047 | 7-2           |
| 121319 | 4-1      | 601051 | 4-4, 4-5      |
| 121402 | 6-1      | 601053 | 7-2           |
| 121430 | 3-1      | 601069 | 4-4, 4-5, 8-7 |
| 121446 | 8-3, 8-6 | 601084 | 4-1           |
| 121728 | 4-1      | 601096 | 7-2           |
| 122739 | 8-5      | 601097 | 7-2           |
| 122745 | 8-2      | 601098 | 7-2           |
| 123473 | 8-7      | 601123 | 8-3, 8-6      |
| 123474 | 8-7      | 601131 | 4-4, 4-5      |
| 123475 | 8-7      | 601219 | 4-1           |
| 123476 | 8-7      | 601221 | 4-2, 4-3      |
| 123477 | 8-7      | 601503 | 4-1           |
| 344267 | 5-1      | 601804 | 8-2, 8-5      |
| 360487 | 4-5      | 601815 | 9-1, 9-3      |
| 552595 | 8-1      | 601822 | 4-4, 4-5, 4-6 |
| 552601 | 8-4      | 601834 | 6-1           |
| 552922 | 3-1      | 601963 | 8-8           |

---

|        |          |        |                         |
|--------|----------|--------|-------------------------|
| 601967 | 4-6      | 604222 | 8-1, 8-4                |
| 601981 | 7-2      | 604231 | 8-2, 8-5                |
| 601982 | 7-1, 7-2 | 604288 | 4-6                     |
| 601983 | 4-1      | 604299 | 4-6                     |
| 601996 | 4-1      | 604300 | 4-6                     |
| 602041 | 3-1      | 604307 | 3-1, 9-1, 9-3           |
| 602078 | 8-2, 8-5 | 604323 | 6-3                     |
| 602094 | 4-2, 4-3 | 604324 | 4-2, 4-3, 7-2, 8-3, 8-6 |
| 602231 | 4-4, 4-5 | 604331 | 8-3                     |
| 602263 | 8-3, 8-6 | 604346 | 8-3                     |
| 602338 | 8-6      | 604452 | 4-6                     |
| 602339 | 8-3, 8-6 | 604458 | 9-2                     |
| 602341 | 8-6      | 604459 | 9-2                     |
| 602344 | 8-6      | 604465 | 7-1                     |
| 602345 | 8-3, 8-6 | 604486 | 4-6                     |
| 602407 | 8-8      | 604515 | 8-3, 8-6, 8-8           |
| 602538 | 4-4, 4-5 | 604609 | 8-3                     |
| 602539 | 4-6      | 604661 | 8-2, 8-5                |
| 602580 | 6-1      | 604665 | 8-2, 8-5                |
| 602581 | 6-2      | 604708 | 4-1                     |
| 602680 | 6-1      | 604709 | 4-1                     |
| 602725 | 3-1      | 604795 | 8-2, 8-5                |
| 602728 | 4-4, 4-5 | 604816 | 4-4, 4-5                |
| 603059 | 6-2      | 604872 | 4-4, 4-5                |
| 603289 | 4-1      | 604888 | 3-1                     |
| 603332 | 4-4, 4-5 | 604901 | 4-2                     |
| 603524 | 6-1      | 604902 | 4-3                     |
| 603785 | 8-2, 8-5 | 604903 | 4-2, 4-3                |
| 603807 | 6-3      | 605238 | 8-2, 8-5                |
| 603983 | 4-4, 4-5 | 605239 | 8-8                     |
| 604016 | 6-1      | 605240 | 4-4, 4-5                |
| 604087 | 5-2      | 605241 | 4-4, 4-5                |
| 604089 | 5-2      | 605243 | 4-4, 4-5                |
| 604178 | 7-1      | 605245 | 6-3                     |
| 604179 | 4-6      | 605251 | 8-1, 8-4                |
| 604219 | 8-2, 8-5 | 605273 | 4-4, 4-5                |
| 604221 | 8-1      | 605285 | 8-2, 8-5                |

---

---

|         |               |        |                    |
|---------|---------------|--------|--------------------|
| 605297  | 4-4, 4-5      | 605659 | 8-3, 8-6, 8-8      |
| 605299  | 3-1           | 605663 | 9-1, 9-3           |
| 605317  | 6-1           | 605680 | 4-4, 4-5           |
| 605383  | 4-4           | 605681 | 7-2                |
| 605384  | 4-4           | 605685 | 8-8                |
| 605441  | 6-1           | 605690 | 6-3                |
| 605453  | 8-3, 8-6      | 605730 | 4-1                |
| 605473  | 7-2           | 605744 | 4-1                |
| 605481  | 4-1           | 605745 | 4-1                |
| 605483  | 7-2           | 605746 | 4-1                |
| 605497  | 8-2, 8-5      | 605782 | 9-1, 9-3           |
| 605505  | 8-2, 8-5      | 606077 | 9-3, 9-4           |
| 605516  | 8-2, 8-5      | 606081 | 9-4                |
| 605525  | 7-2           | 606082 | 9-4                |
| 605526  | 7-2           | 606083 | 9-4                |
| 605529  | 4-6           | 606084 | 9-4                |
| 605532  | 8-3, 8-6, 8-8 | 606085 | 9-4                |
| 605539  | 4-1           | 606105 | 4-6                |
| 605547  | 3-1, 7-2      | 606106 | 4-6                |
| 605553  | 7-2           | 606128 | 8-8                |
| 605554  | 7-2           | 606159 | 4-4, 4-5           |
| 605562  | 4-1           | 606225 | 7-2                |
| 605564  | 6-3           | 606531 | 6-2                |
| 605574  | 6-1           | 606535 | 6-2                |
| 605576K | 6-1           | 704643 | 8-8                |
| 605595  | 6-1           | 704718 | 4-1                |
| 605601  | 6-1           | 704759 | 4-4, 4-5           |
| 605610  | 6-3           | 704791 | 4-1                |
| 605611  | 6-1           | 704932 | 7-2                |
| 605618  | 4-4, 4-5, 4-6 | 705178 | 4-6                |
| 605619  | 4-4, 4-5, 4-6 | 705954 | 4-6, 5-1, 8-2, 8-5 |
| 605622  | 4-4, 4-5      | 706549 | 4-1                |
| 605628  | 7-2           | 707398 | 5-2                |
| 605630  | 4-4, 4-5      | 710087 | 4-1                |
| 605650  | 3-1           | 712372 | 6-1                |
| 605655  | 4-1           | 712919 | 4-6                |
| 605657  | 4-1           | 712927 | 8-7                |

---

|          |                                                            |        |          |
|----------|------------------------------------------------------------|--------|----------|
| 712976   | 5-1                                                        | 793315 | 9-2      |
| 713198   | 6-3                                                        | 793976 | 8-1, 8-4 |
| 720516   | 6-1                                                        | 794784 | 7-2      |
| 721910   | 8-2, 8-5                                                   | 795757 | 8-3      |
| 728030   | 4-4, 4-5                                                   | 796623 | 8-3, 8-6 |
| 728550   | 4-4, 4-5                                                   | 796631 | 8-3, 8-6 |
| 760330   | 4-4, 4-5                                                   | 796649 | 8-3      |
| 765339   | 4-4, 4-5, 4-6                                              | 797308 | 7-2      |
| 766154   | 5-2                                                        | 797910 | 3-1      |
| 767954   | 3-1, 4-1, 4-4, 4-5, 6-1, 8-2, 8-5, 8-8                     | 798603 | 8-2, 8-5 |
| 767962   | 4-4, 4-5, 5-2, 8-2, 8-3, 8-5, 8-6                          | 808477 | 7-2      |
| 768515   | 4-1, 4-4, 4-5, 4-6, 6-1, 7-1, 7-2                          | 808485 | 8-8      |
| 768523   | 3-1, 4-1, 4-4, 4-5, 4-6, 6-1, 8-2, 8-6, 8-7, 8-8, 9-1, 9-3 | 808493 | 3-1      |
| 771428   | 7-1                                                        |        |          |
| 772483   | 4-4, 4-5                                                   |        |          |
| 776310   | 4-4, 4-5                                                   |        |          |
| 776476   | 7-2                                                        |        |          |
| 781153   | 4-1, 4-6                                                   |        |          |
| 781211   | 4-6                                                        |        |          |
| 781260   | 4-4, 4-5                                                   |        |          |
| 781567   | 4-6, 8-2, 8-3, 8-5, 8-6                                    |        |          |
| 781708   | 4-6, 8-3                                                   |        |          |
| 781872   | 4-1, 8-2, 8-3, 8-5, 8-6                                    |        |          |
| 781922   | 4-4, 4-5                                                   |        |          |
| 782474   | 8-3, 8-6                                                   |        |          |
| 784223   | 5-1                                                        |        |          |
| 784603   | 5-1                                                        |        |          |
| 785139   | 4-6                                                        |        |          |
| 785220   | 4-6                                                        |        |          |
| 785808   | 7-2                                                        |        |          |
| 786533   | 4-1                                                        |        |          |
| 788166   | 8-3                                                        |        |          |
| 789776CE | 4-4, 4-5                                                   |        |          |
| 791251   | 6-1                                                        |        |          |
| 792226   | 9-1, 9-2                                                   |        |          |
| 793273   | 9-2                                                        |        |          |