



*Doing Our Best to Provide You the Best*

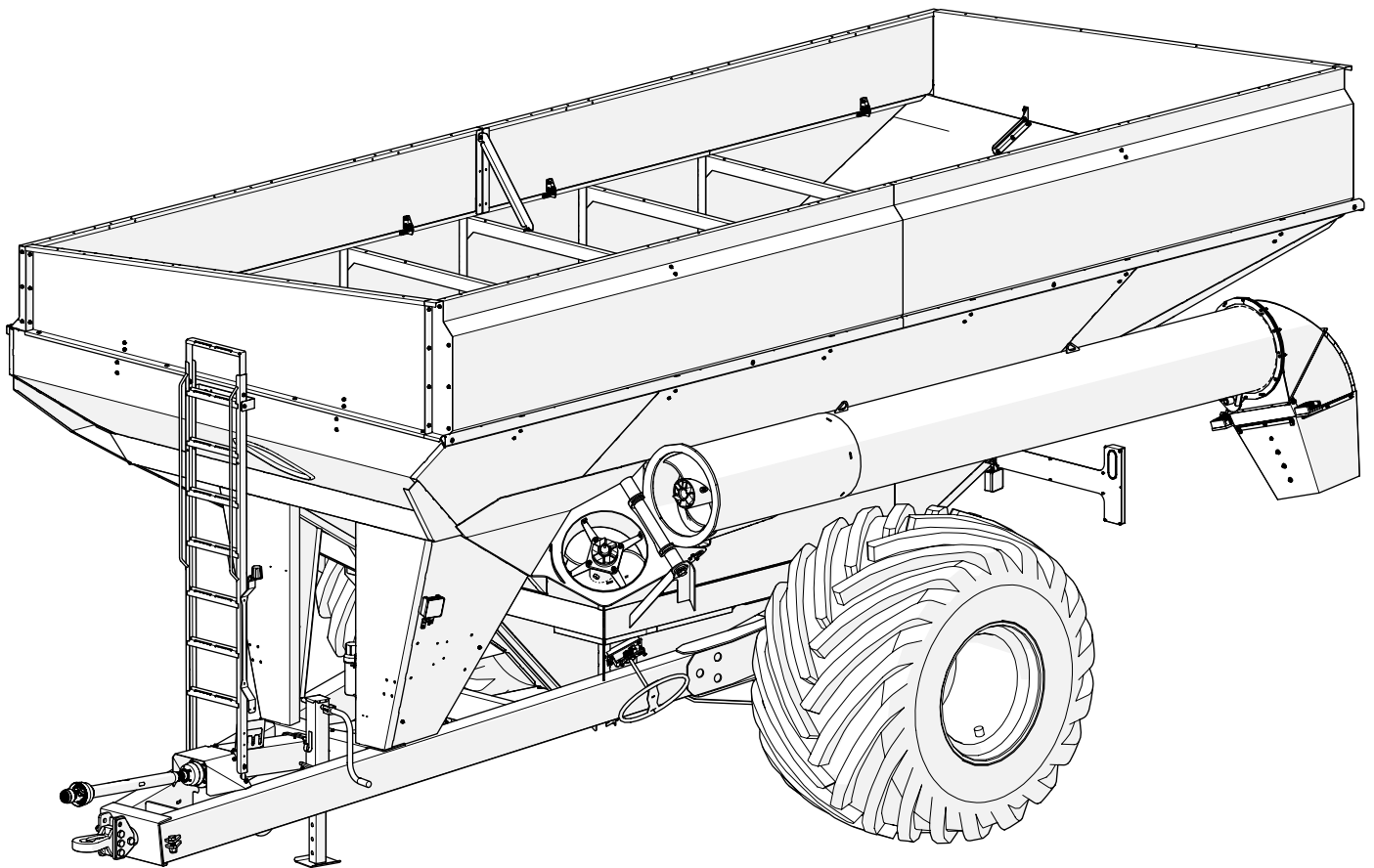
AG20054, Rev 7  
08/26

---

## **GRAIN CART - SINGLE AUGER**

### **1300SA & 1500SA**

---



**PARTS MANUAL**

Table of Contents

Overview

Table of Contents ..... 2

Grain Cart Information ..... 2

Replacement Parts..... 2

Main Assembly

Lower Auger Door Opener ..... 3

Hitch and Drive Line Assembly..... 4

Front Tongue Area Assembly..... 5

Auger Assembly ..... 6-7

Internal Assembly ..... 8

Rear Light Pod Assembly..... 9

Extensions ..... 10

Axle Assembly

Track Axle Assembly..... 11

Wheel Axle Assembly ..... 12

Spindle/Hub Assembly

Spindle/Hub - 10 Bolt and 20 Bolt ..... 13

Schematics

Electrical Schematic ..... 14

Scale Schematic..... 15

Hydraulic Schematic..... 16

Backlit Pendant Hydraulic Schematic..... 17

Hydraulic Options

Hydraulic Drive Assembly ..... 18

Hydraulic Jack Assembly..... 19

Bolt Torque

Information..... 20

Grain Cart Information

This parts manual is for Demco Grain Carts Models: 1300 and 1500 Production 2026 - Current

Record your Serial Number, Date of Purchase and Dealer for reference

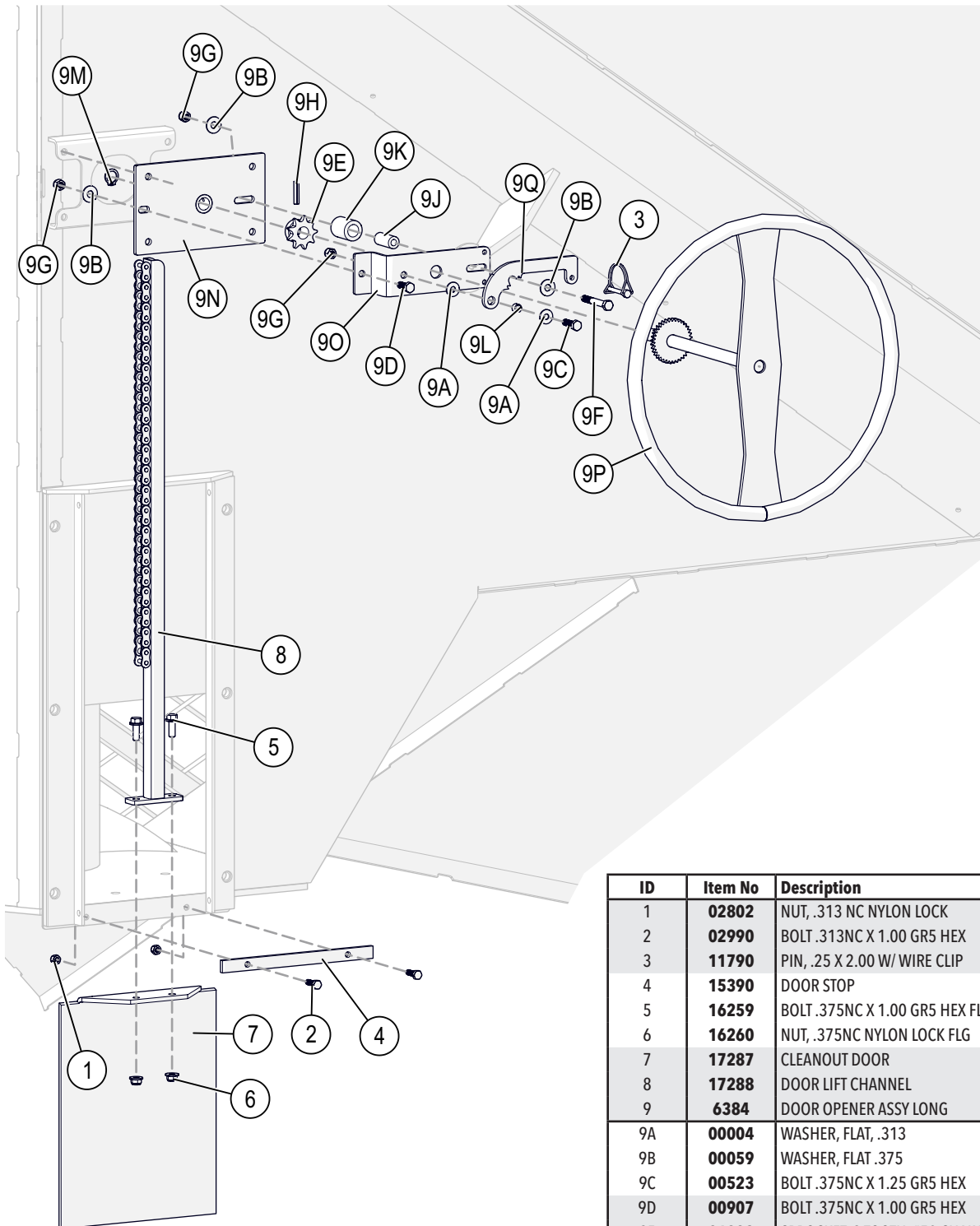
Serial Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Dealer Information \_\_\_\_\_

Replacement Parts

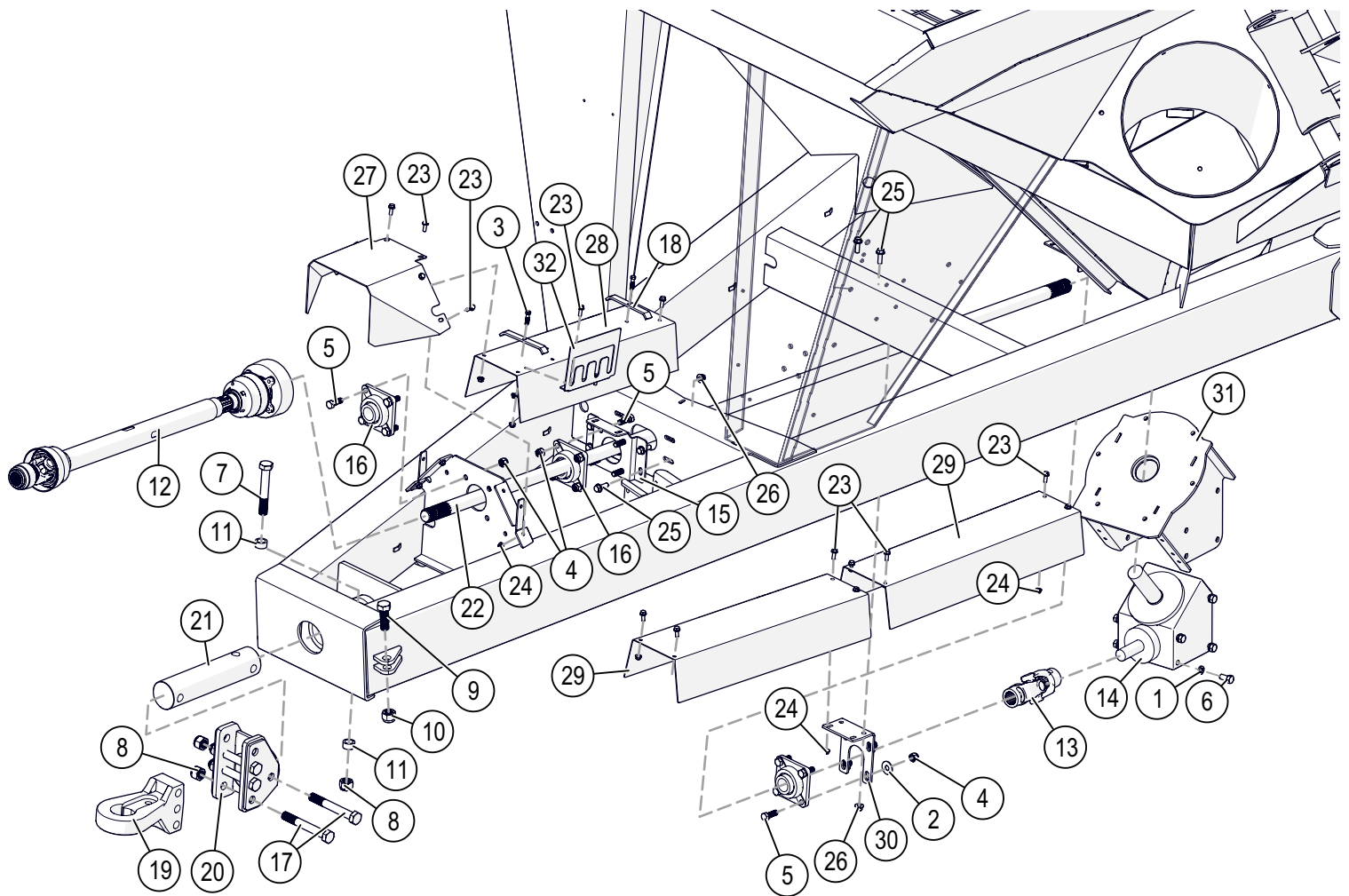
When ordering replacement parts provide the Unit Color and Item Number.



| ID | Item No | Description                    | Qty |
|----|---------|--------------------------------|-----|
| 1  | 02802   | NUT, .313 NC NYLON LOCK        | 2   |
| 2  | 02990   | BOLT .313NC X 1.00 GR5 HEX     | 2   |
| 3  | 11790   | PIN, .25 X 2.00 W/ WIRE CLIP   | 1   |
| 4  | 15390   | DOOR STOP                      | 1   |
| 5  | 16259   | BOLT .375NC X 1.00 GR5 HEX FLG | 6   |
| 6  | 16260   | NUT, .375NC NYLON LOCK FLG     | 2   |
| 7  | 17287   | CLEANOUT DOOR                  | 1   |
| 8  | 17288   | DOOR LIFT CHANNEL              | 1   |
| 9  | 6384    | DOOR OPENER ASSY LONG          | 1   |
| 9A | 00004   | WASHER, FLAT, .313             | 2   |
| 9B | 00059   | WASHER, FLAT .375              | 3   |
| 9C | 00523   | BOLT .375NC X 1.25 GR5 HEX     | 1   |
| 9D | 00907   | BOLT .375NC X 1.00 GR5 HEX     | 1   |
| 9E | 01332   | SPROCKET, 9 TOOTH #50 CHAIN    | 1   |
| 9F | 02166   | BOLT .375NC X 2.75 GR5 HEX     | 1   |
| 9G | 02592   | NUT, .375NC NYLON LOCK         | 3   |
| 9H | 02849   | ROLL PIN, .31 X 1.38           | 1   |
| 9I | 04642   | ZERK, GREASE, .25 UNF SF       | 1   |
| 9J | 05363   | BUSHING, INNER ROLLER          | 1   |
| 9K | 05364   | BUSHING, OUTER ROLLER          | 1   |
| 9L | 13668   | BUSHING                        | 1   |
| 9M | 14750   | SNAP RING EXT F/ .75SHAFT      | 1   |
| 9N | 15392   | OPENER PLATE                   | 1   |
| 9O | 15395   | OPENER BRACKET                 | 1   |
| 9P | 17289   | DOOR LIFT WHEEL LONG           | 1   |
| 9Q | 18466   | DOOR LATCH                     | 1   |

When ordering replacement parts please provide the Unit Color and Item Number

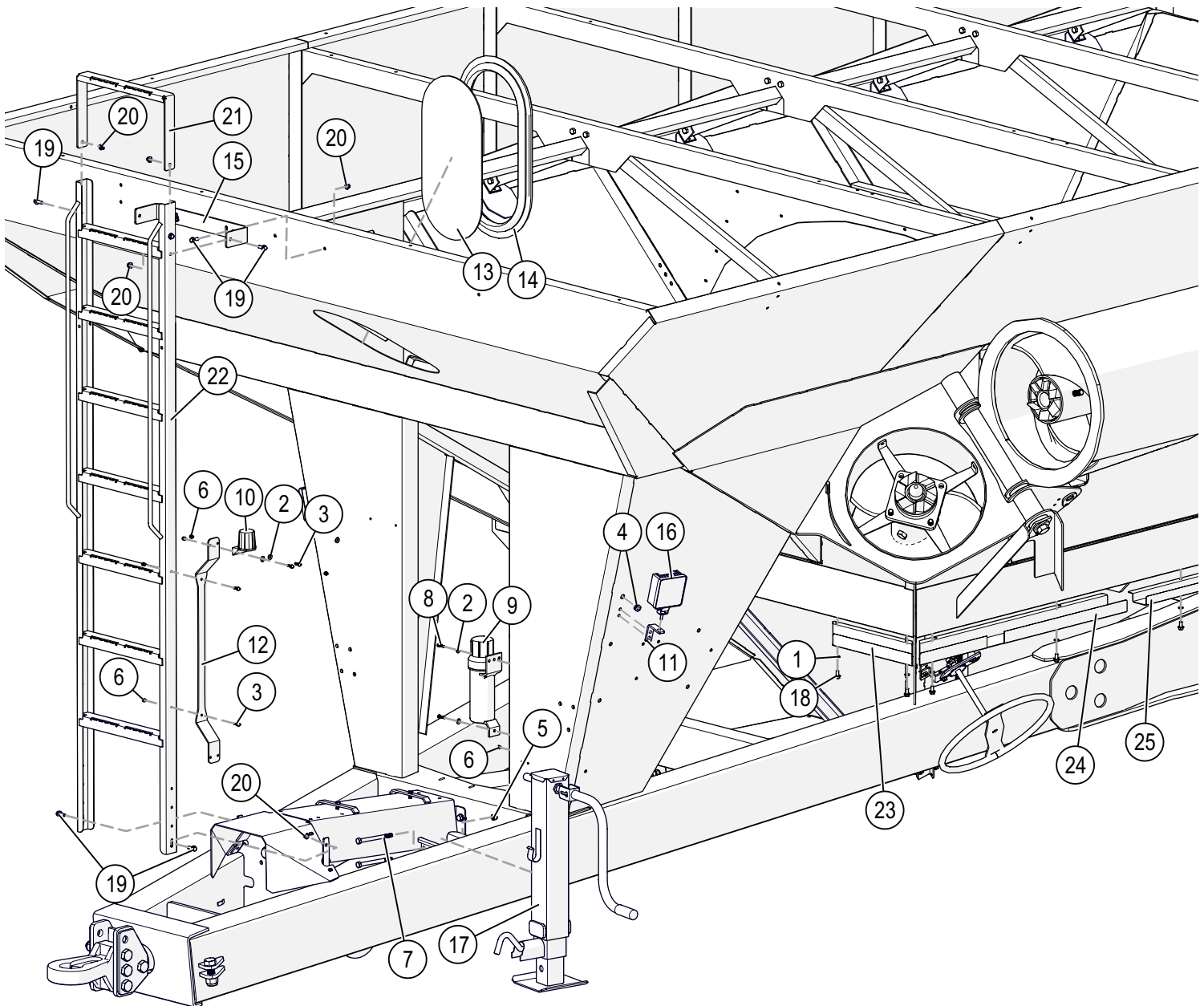
# Hitch and Drive Line Assembly



| ID | Item No  | Description                                      | Qty |
|----|----------|--------------------------------------------------|-----|
| 1  | 00248    | WASHER SPRING LOCK 0.625                         | 8   |
| 2  | 00477    | WASHER, FLAT, .625                               | 4   |
| 3  | 00914    | BOLT .375NC X 1.50 GR5 HEX                       | 2   |
| 4  | 02587    | NUT, .625 NC NYLON LOCK                          | 12  |
| 5  | 03698    | BOLT .625NC X 1.75 GR5 HEX                       | 12  |
| 6  | 05366    | BOLT .625NC X 1.25 GR5 HEX                       | 8   |
| 7  | 09454    | BOLT 1.0NF X 6.50 GR8 HEX                        | 1   |
| 8  | 09455    | NUT, 1.0NF NYLON INSERT HEX                      | 5   |
| 9  | 12323    | HEX BOLT 1.00-8UNC X 3.00                        | 1   |
| 10 | 12477    | 1"-8 UNC NYLON INSERT NUT                        | 1   |
| 11 | 13321-95 | HITCH BOLT BUSHING                               | 2   |
| 12 | 13325    | PTO SHAFT W/1.75-20 SPLINE, AUTO CLUTCH 12K, 14K | 1   |
| 13 | 13326    | UNIVERSAL JOINT 1-3/4"-20 TO 1-3/4"-6            | 1   |
| -  | 13475    | PTO TRACTOR HALF                                 | -   |
| 14 | 13339    | COMER IND. GEARBOX                               | 1   |
| -  | 17572-30 | COMER GEARBOX MOUNT BLACK                        | -   |
| -  | 17562    | SUPERIOR GEARBOX                                 | -   |
| -  | 17573-30 | SUPERIOR GEARBOX MOUNT BLACK                     | -   |
| -  | 15911    | SEAL DOUBLE LIP COMER GEARBOX OUT SHAFT          | -   |
| -  | 15912    | SEAL DOUBLE LIP COMER GEARBOX IN SHAFT           | -   |
| 15 | 13347    | BEARING MOUNT                                    | 1   |

| ID | Item No | Description                        | Qty |
|----|---------|------------------------------------|-----|
| 16 | 13411   | BEARING 1.75" 4-BOLT FLANGE        | 3   |
| 17 | 13510   | BOLT 1.0NF X 7.50 GR8 HEX          | 4   |
| 18 | 13575   | HOSE KEEPER, 4-6 HOSES             | 2   |
| 19 | 13979   | PERFECT HITCH 3 BOLT CAT 4/5       | 1   |
| 20 | 13982   | HITCH CHANNEL MOUNT                | 1   |
| 21 | 14014   | PIN HITCH 3.75 OD                  | 1   |
| 22 | 14918   | DRIVE SHAFT, 20 SPLINE             | 1   |
| 23 | 16259   | BOLT .375NC X 1.00 GR5 HEX FLG     | 18  |
| 24 | 16260   | NUT, .375NC NYLON LOCK FLG         | 20  |
| 25 | 16589   | BOLT .50NC X 1.50 GR5 HEX FLANGE   | 6   |
| 26 | 16590   | NUT, .50NC LOCK, NY. INSERT FLANGE | 6   |
| 27 | 17282   | PTO SHAFT COVER/STEP               | 1   |
| 28 | 17284   | HOSE HOLDER                        | 1   |
| 29 | 17458   | PTO SHIELD FRONT                   | 1   |
| 30 | 17459   | PTO SHIELD REAR                    | 2   |
| 31 | 18621   | GEARBOX MNT2, COMER                | 1   |
| -  | 18622   | GEARBOX MNT2, SUPERIOR             | -   |
| 32 | 18682   | BEARING MOUNT                      | 1   |

When ordering replacement parts please provide the Unit Color and Item Number



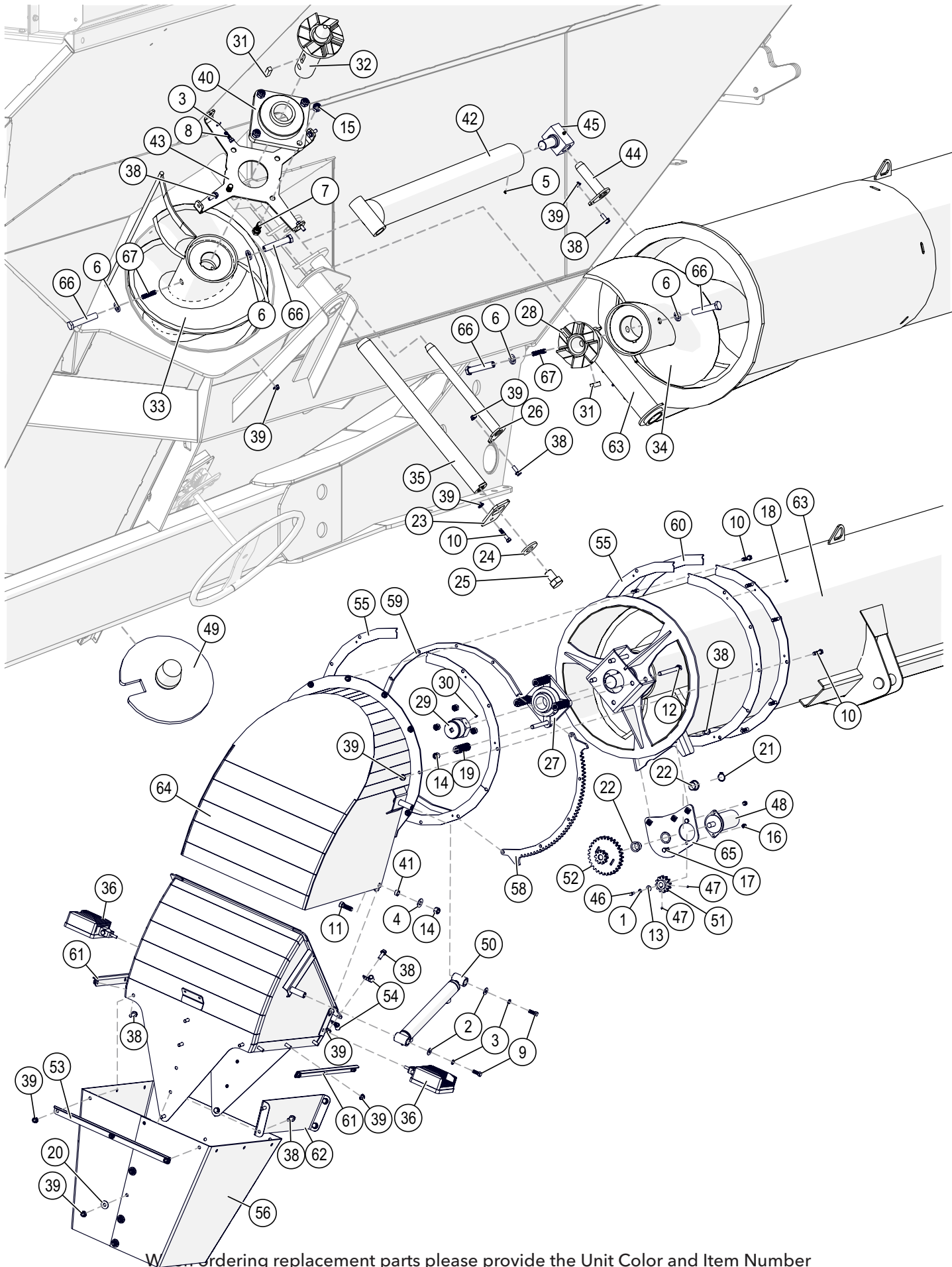
| ID | Item No      | Description                         | Qty |
|----|--------------|-------------------------------------|-----|
| 1  | <b>00060</b> | .375 LOCKWASHER                     | 6   |
| 2  | <b>00214</b> | WASHER, FLAT, .25                   | 4   |
| 3  | <b>01076</b> | BOLT .25NC X .75 GR5 HEX            | 4   |
| 4  | <b>01863</b> | GROMMET .625 OD X .375 ID X .25 THK | 2   |
| 5  | <b>02178</b> | NUT, .50NC LOCK, NY. INSERT         | 2   |
| 6  | <b>02772</b> | NUT, .25NC LOCK NYLON INSERT        | 6   |
| 7  | <b>04053</b> | BOLT .50NC X 5.50 GR5 HEX           | 2   |
| 8  | <b>04055</b> | BOLT .25NC X 1.00 GR5 HEX           | 2   |
| 9  | <b>10241</b> | CANISTER                            | 1   |
| 10 | <b>10277</b> | ELECTRICAL PLUG HOLDER              | 1   |
| 11 | <b>12555</b> | LIGHT BRACKET                       | 2   |
| 12 | <b>13501</b> | HOSE WRAP BRACKET                   | 1   |

| ID | Item No      | Description                    | Qty |
|----|--------------|--------------------------------|-----|
| 13 | <b>14361</b> | WINDOW GRAVITY FLOW BOX        | 2   |
| 14 | <b>14362</b> | WINDOW GASKET SEAL             | 2   |
| 15 | <b>14922</b> | UPPER LADDER BRACKET F/1252 GC | 1   |
| 16 | <b>14926</b> | LIGHT WORK LED 12V-36V         | 2   |
| 17 | <b>16243</b> | AG JACK, WELDED                | 1   |
| 18 | <b>16258</b> | BOLT .375NC X .75 GR5 HEX FLG  | 6   |
| 19 | <b>16259</b> | BOLT .375NC X 1.00 GR5 HEX FLG | 8   |
| 20 | <b>16260</b> | NUT, .375NC NY LOCK FLANGE     | 8   |
| 21 | <b>16350</b> | LADDER TOP CHANNEL             | 1   |
| 22 | <b>17295</b> | LADDER F/ 1000 & 1100 GC       | 1   |
| 23 | <b>17314</b> | HOSE HOLDER FRONT              | 1   |
| 24 | <b>17460</b> | HOSE HOLDER FRONT REAR         | 1   |
| 25 | <b>17461</b> | HOSE HOLDER REAR               | 1   |

When ordering replacement parts please provide the Unit Color and Item Number



Auger Assembly

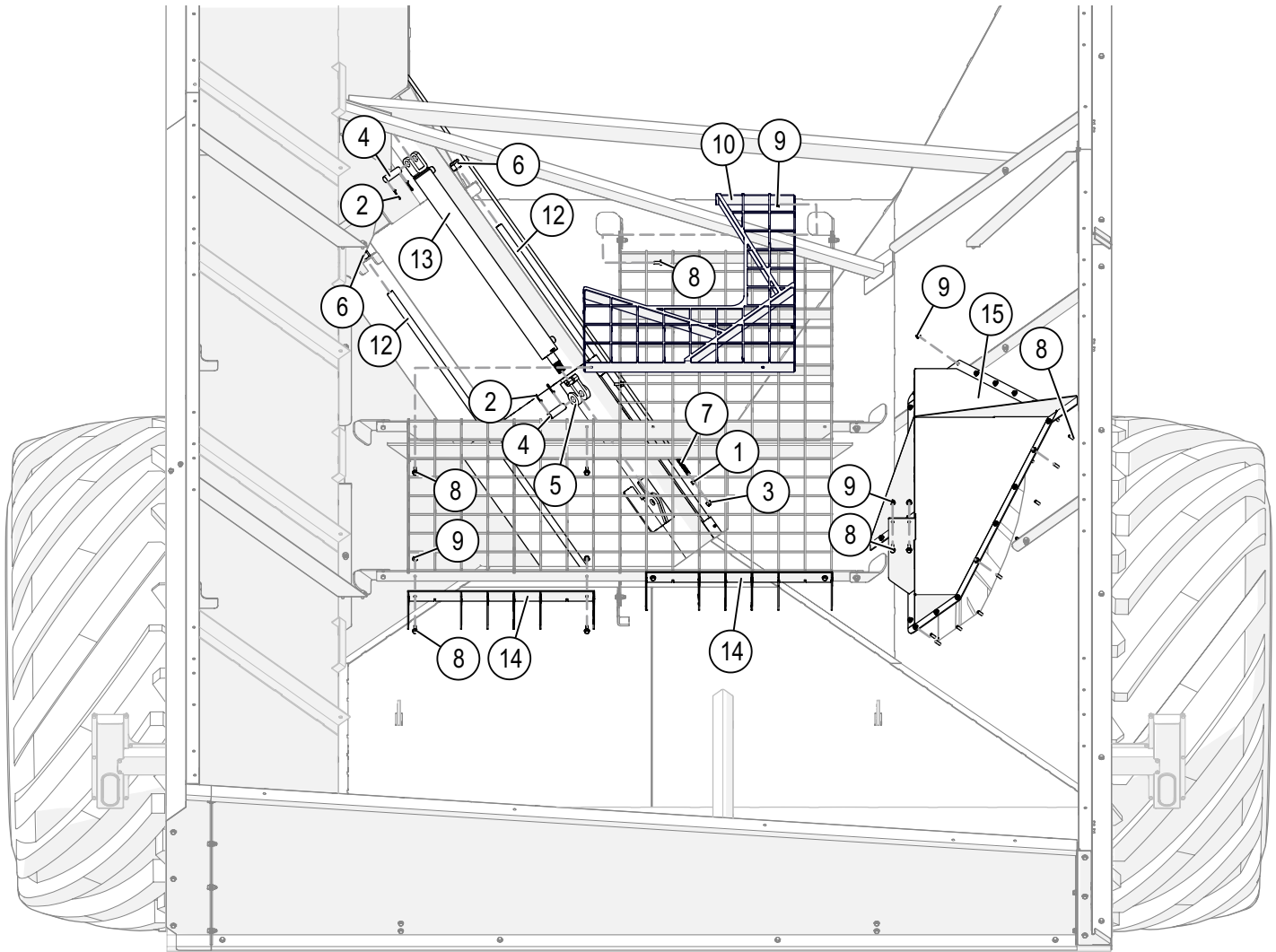


When ordering replacement parts please provide the Unit Color and Item Number

| ID | Item No  | Description                             | Qty |
|----|----------|-----------------------------------------|-----|
| 1  | 00057    | WASHER, .25 SPRING LOCK                 | 1   |
| 2  | 00059    | WASHER, FLAT .375                       | 2   |
| 3  | 00060    | .375 LOCKWASHER                         | 3   |
| 4  | 00085    | .50 FLAT WASHER                         | 2   |
| 5  | 00087    | SET SCREW .313NC X .313 SOCKET HEAD     | 1   |
| 6  | 00254    | .75" LOCKWASHER                         | 4   |
| 7  | 00290    | BOLT .625NC X 2.00 GR5 HEX              | 4   |
| 8  | 00523    | BOLT .375NC X 1.25 GR5 HEX              | 1   |
| 9  | 00907    | BOLT .375NC X 1.00 GR5 HEX              | 2   |
| 10 | 00908    | BOLT .375NC X 1.75 GR5 HEX              | 13  |
| 11 | 01254    | BOLT .50NC X 1.50 GR5 HEX               | 2   |
| 12 | 01975    | BOLT .50NC X 5.00 GR5 HEX               | 4   |
| 13 | 02002    | WASHER, FLAT, .25                       | 1   |
| 14 | 02178    | NUT, .50NC LOCK, NY. INSERT             | 6   |
| 15 | 02587    | NUT, .625 NC NYLON LOCK                 | 4   |
| 16 | 02802    | NUT, .313 NC NYLON LOCK                 | 2   |
| 17 | 02990    | BOLT .313NC X 1.00 GR5 HEX              | 2   |
| 18 | 04642    | ZERK, GREASE, .25 UNF SF                | 6   |
| 19 | 09168    | SPRING, COMPRESSION                     | 4   |
| 20 | 09229    | WASHER, FENDER, 10MM                    | 10  |
| 21 | 11360    | SNAP RING EXTERNAL 1.00"                | 1   |
| 22 | 12292    | BUSHING PLASTIC 1.00 ID X 0.75          | 2   |
| 23 | 13010    | AUGER PIN PLATE                         | 1   |
| 24 | 13011    | AUGER PIN WASHER                        | 1   |
| 25 | 13012    | 1.0"-8NC X 1.50 HEX BOLT GR5            | 1   |
| 26 | 13340    | LOWER HYD CYL PIN                       | 1   |
| 27 | 13411    | BEARING 1.75" 4-BOLT FLANGE             | 1   |
| 28 | 13414    | DRIVE CASTING OUTER W/ KEYWAY           | 1   |
| 29 | 13424    | NUT SPACER NUT                          | 1   |
| 30 | 13521    | SET SCREW .25NC X .375 SOCKET CUP POINT | 1   |
| 31 | 13538    | .50 x .50 x 1.75" KEY                   | 2   |
| 32 | 14110    | INNER DRIVE CASTING                     | 1   |
| 33 | 14861    | INNER AUGER, 18.75"                     | 1   |
| -  | 17437-61 | CHROME AUGER FLIGHTING INNER            | -   |
| 34 | 14862    | OUTER FLIGHTING                         | 1   |
| -  | 17438-61 | CHROME AUGER FLIGHTING OUTER            | -   |
| 35 | 14900    | AUGER PIN F/ 1252                       | 1   |
| 36 | 18747    | LIGHT WORK LED 12V-36V                  | 2   |

| ID | Item No | Description                            | Qty |
|----|---------|----------------------------------------|-----|
| 37 | 14937   | INNER DOOR INDICATOR                   | 1   |
| 38 | 16259   | BOLT .375NC X 1.00 GR5 HEX FLG         | 30  |
| 39 | 16260   | NUT, .375NC NY LOCK FLANGE             | 40  |
| 40 | 16414   | 2.5" IPTCI BEARING                     | 1   |
| 41 | 16571   | DOOR BUSHING                           | 2   |
| 42 | 17104   | HYD CUSHION CLY 3.50" X 24.00"         | 1   |
| 43 | 17307   | BEARING MOUNT PLATE 20" AUGER          | 1   |
| 44 | 17309   | UPPER CYLINDER PIN 1.25                | 1   |
| 45 | 17310   | HYDRAULIC CYLINDER END SMALL           | 1   |
| 46 | 17758   | BOLT .25NF X .75 GR5 HEX               | 1   |
| 47 | 18350   | SET SCREW 10-24 X .25 SOCKET CUP POINT | 2   |
| 48 | 18528   | HYD MOTOR BMMZ 50                      | 1   |
| 49 | 18564   | LOWER DRIVE PLATE                      | 1   |
| 50 | 18596   | CYLINDER ASSEMBLY, 1.50 X 8, .75 ROD   | 1   |
| 51 | 18598   | DRIVE GEAR                             | 1   |
| 52 | 18599   | INTERMEDIATE GEAR                      | 1   |
| 53 | 18613   | SIDE STRAP SUPPORT                     | 2   |
| 54 | 18615   | HOSE CLAMP F/.25 HYD HOSE              | 4   |
| 55 | 18616   | PIVOT SHIM                             | 6   |
| 56 | 18617   | RUBBER EXTENSION 20                    | 1   |
| 57 | 18663   | END CHUTE                              | 1   |
| 58 | 18664   | GEAR SEGMENT                           | 1   |
| 59 | 18665   | PIVOT SPACER 20                        | 2   |
| 60 | 18666   | CLAMP PLATE 20                         | 3   |
| 61 | 18667   | SIDE STRAP SUPPORT 20                  | 2   |
| 62 | 18669   | 20" SPOUT DIVIDER                      | 1   |
| 63 | 18671   | OUTER AUGER TUBE 20" 4-WAY             | 1   |
| 64 | 18672   | ROTATIONAL CHUTE 20"                   | 1   |
| 65 | 18674   | MOTOR MOUNT 20                         | 1   |
| 66 | 18785   | AUGER BARREL NUT F/ 20" AUGER          | 4   |
| 67 | 18787   | STUD .50NC X 2.00 GR. BD               | 2   |

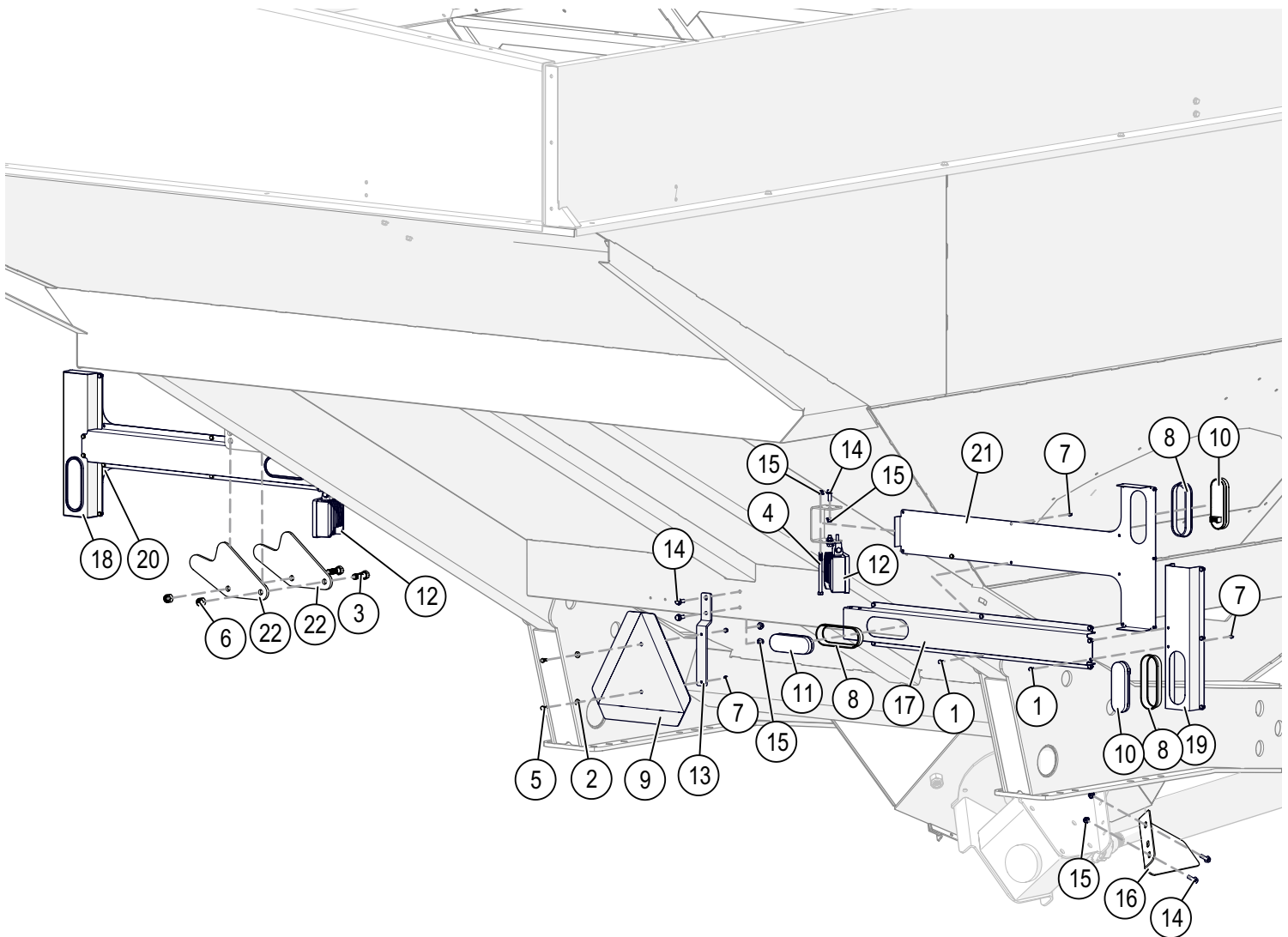
When ordering replacement parts please provide the Unit Color and Item Number



| ID | Item No  | Description                        | Qty |
|----|----------|------------------------------------|-----|
| 1  | 00083    | NUT, HEX, .50NC                    | 1   |
| 2  | 00116    | COTTER PIN, .156 X 1.50            | 4   |
| 3  | 02178    | NUT, .50NC LOCK, NY. INSERT        | 1   |
| 4  | 03738-95 | CYLINDER PIN                       | 2   |
| 5  | 09741    | CYLINDER CLEVIS                    | 1   |
| 6  | 12477    | 1"-8 UNC NYLON INSERT NUT          | 4   |
| 7  | 14937    | INNER DOOR INDICATOR               | 1   |
| 8  | 16259    | BOLT .375NC X 1.00 GR5 HEX FLG     | 35  |
| 9  | 16260    | NUT, .375NC NYLON LOCK FLG         | 35  |
| 10 | 17296    | MESH CORNER                        | 1   |
| 11 | 17297    | INNER DOOR                         | 1   |
| 12 | 17306    | DOOR SLIDE ROD, THREADED           | 2   |
| 13 | 17317    | HYD. CYLINDER 2.5" X 30.00" STROKE | 1   |
| 14 | 17465    | REAR MESH TEETH                    | 2   |
| 15 | 17478    | FENDER FOR 1300/1500 SA WHEEL      | 1   |
| -  | 17479    | FENDER FOR 1300/1500 SA TRACK      | -   |

When ordering replacement parts please provide the Unit Color and Item Number

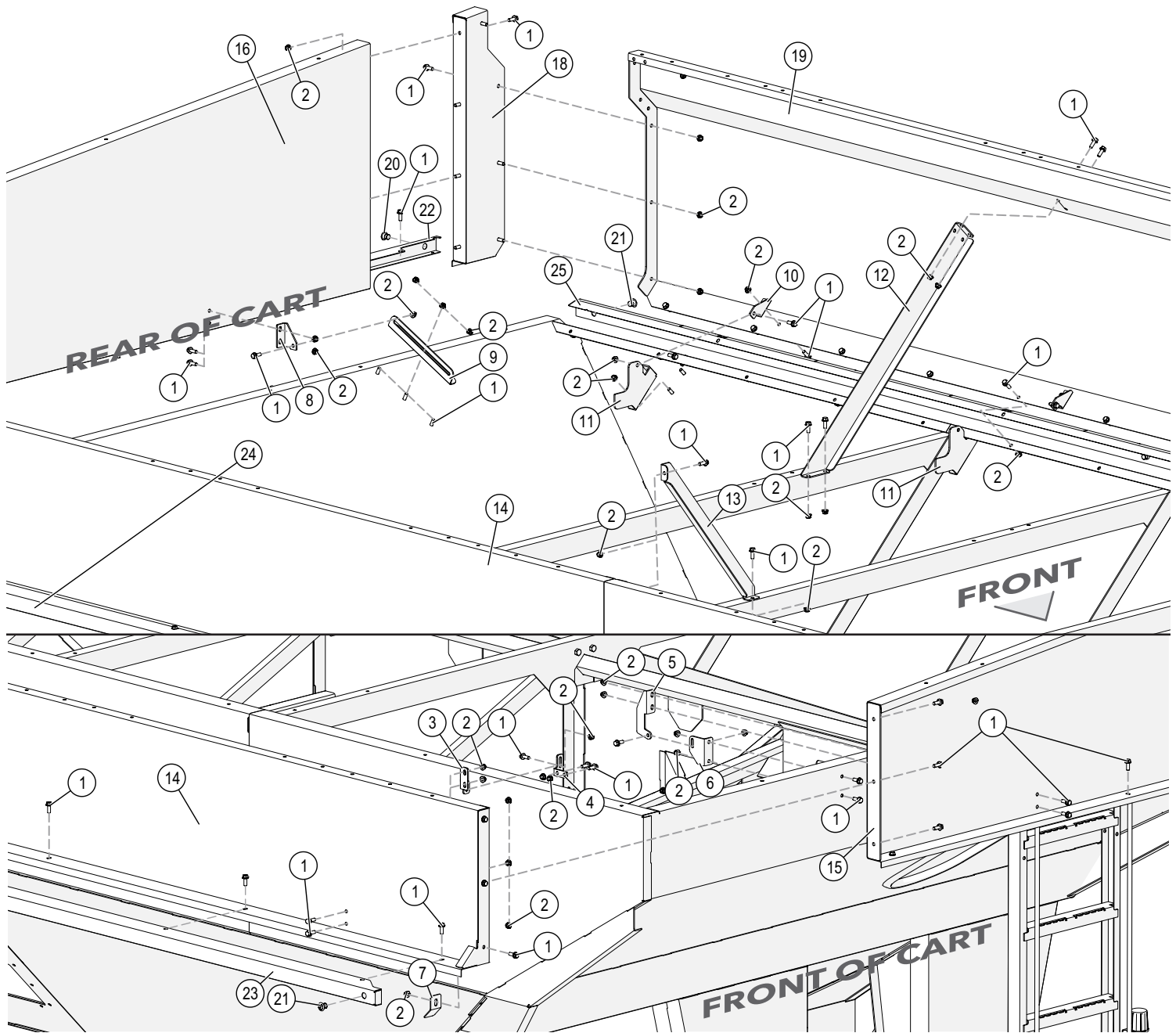




| ID | Item No | Description                     | Qty |
|----|---------|---------------------------------|-----|
| 1  | 00092   | BOLT .25NC X .50 GR5 HEX        | 26  |
| 2  | 00214   | WASHER, FLAT, .25               | 2   |
| 3  | 00290   | BOLT .625NC X 2.00 GR5 HEX      | 2   |
| 4  | 00675   | BOLT .375NC X 5.00 GR5 HEX HEAD | 2   |
| 5  | 01076   | BOLT .25NC X .75 GR5 HEX        | 2   |
| 6  | 02587   | NUT, .625 NC NYLON LOCK         | 2   |
| 7  | 02772   | NUT, .25NC LOCK NYLON INSERT    | 28  |
| 8  | 03652   | GROMMET RUBBER OVAL             | 6   |
| 9  | 12126   | SMV SIGN                        | 1   |
| 10 | 12249   | LIGHT, SEALED OVAL S/T/T LAMP   | 4   |
| 11 | 14923   | LED LIGHT, SEALED RED LAMP      | 2   |
| 12 | 14926   | LIGHT WORK LED 12V-36V          | 2   |
| 13 | 14952   | SMV HOLDER                      | 1   |
| 14 | 16259   | BOLT .375NC X 1.00 GR5 HEX FLG  | 8   |
| 15 | 16260   | NUT, .375NC NY LOCK FLANGE      | 10  |
| 16 | 17286   | GEARBOX U-JOINT SHIELD          | 1   |
| 17 | 17301   | LIGHT ARM                       | 2   |
| 18 | 17302   | LEFT END POD                    | 1   |
| 19 | 17303   | RIGHT END POD                   | 1   |
| 20 | 17304   | LEFT LIGHT COVER                | 1   |
| 21 | 17305   | RIGHT LIGHT COVER               | 1   |
| 22 | 17462   | AUGER REST HOOK F/1300 & 1500SA | 2   |

When ordering replacement parts please provide the Unit Color and Item Number

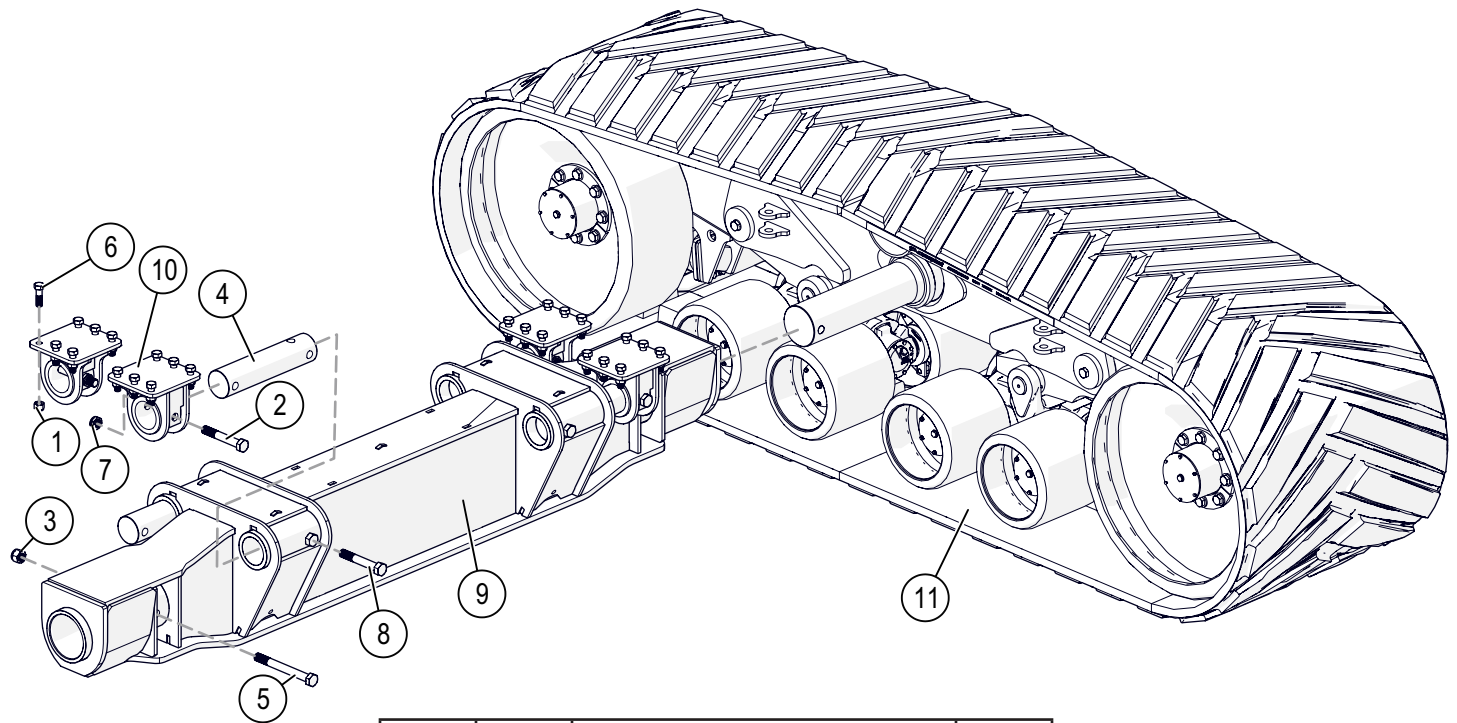
## Extensions



| ID | Item No | Description                    | Qty |
|----|---------|--------------------------------|-----|
| 1  | 16259   | BOLT .375NC X 1.00 GR5 HEX FLG | 162 |
| 2  | 16260   | NUT .375NC NY LOCK FLANGE      | 151 |
| 3  | 17268   | EXTENSION SIDE HINGE TOP       | 4   |
| 4  | 17269   | EXTENSION SIDE HINGE BOTTOM    | 4   |
| 5  | 17271   | EXTENSION HINGE TOP            | 2   |
| 6  | 17272   | EXTENSION FRONT HINGE BOTTOM   | 2   |
| 7  | 17378   | CORNER RAMP                    | 2   |
| 8  | 17466   | REAR EXTENSION HINGE TOP       | 2   |
| 9  | 17467   | REAR HINGE SLIDER              | 2   |
| 10 | 17468   | TALL SIDE TOP HINGE            | 6   |
| 11 | 17469   | TALL SIDE HINGE                | 6   |
| 12 | 17470   | TALL SIDE BRACE 1300SA         | 3   |
| -  | 17489   | TALL SIDE BRACE 1500SA         | 3   |
| 13 | 17471   | SHORT EXTENSION BRACE 1300SA   | 1   |
| -  | 17488   | SHORT EXTENSION BRACE 1500SA   | 1   |

| ID | Item No | Description                 | Qty |
|----|---------|-----------------------------|-----|
| 14 | 17472   | EXTENSION SHORT SIDE 1300SA | 2   |
| -  | 17486   | EXTENSION SHORT SIDE 1500SA | 2   |
| 15 | 17473   | EXTENSION FRONT 1300 SA     | 1   |
| -  | 17482   | EXTENSION FRONT 1500 SA     | 1   |
| 16 | 17474   | EXTENSION REAR 1300SA       | 1   |
| -  | 17483   | EXTENSION REAR 1500SA       | 1   |
| 17 | 17475   | EXTENSION FRONT WING 1300SA | 1   |
| -  | 17484   | EXTENSION FRONT WING 1500SA | 1   |
| 18 | 17476   | EXTENSION REAR WING 1300SA  | 1   |
| -  | 17485   | EXTENSION REAR WING 1500SA  | 1   |
| 19 | 17477   | EXTENSION TALL SIDE 1300 SA | 2   |
| -  | 17487   | EXTENSION TALL SIDE 1500 SA | 2   |

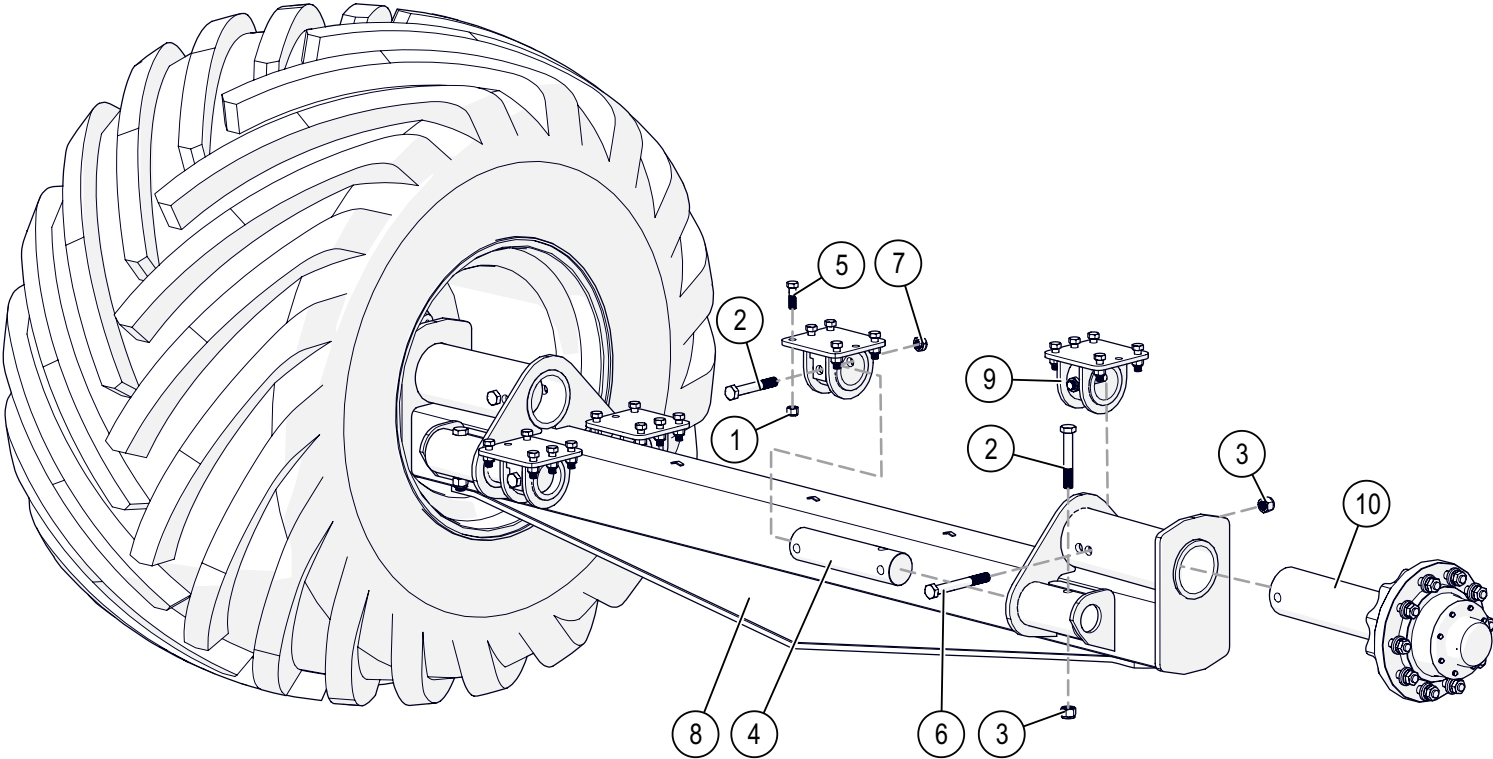
When ordering replacement parts please provide the Unit Color and Item Number



| ID | Item No | Description                      | Qty |
|----|---------|----------------------------------|-----|
| 1  | 02961   | NUT, .75NC LOCK NYLON INSERT     | 24  |
| 2  | 09454   | BOLT 1.0NF X 6.50 GR8 HEX        | 4   |
| 3  | 09455   | NUT, 1.0NF NYLON INSERT HEX      | 2   |
| 4  | 14014   | PIN HITCH 3.75 OD                | 4   |
| 5  | 14029   | BOLT 1.0NF X 9.50 GR8 HEX        | 2   |
| 6  | 14700   | BOLT .75NC X 2.50 GR8 HEX        | 24  |
| 7  | 17444   | NUT, 1.0NF NYLON INSERT HEX JAM  | 4   |
| 8  | 17445   | BOLT 1.00-8UNC X 6.50 GR.8       | 4   |
| 9  | 17809   | AXLE 4 BOGIE, CAMSO              | 1   |
| -  | 17729   | AXLE 4 BOGIE, SOUCY              | -   |
| 10 | 18402   | WEIGHBAR MOUNT f/ 1300/1500 SA   | 4   |
| 11 | 6295    | CAMSO TRACK CARRIAGE KIT         | 1   |
| -  | 6445    | SOUCY TRACK CARRIAGE KIT W/ PINS | -   |

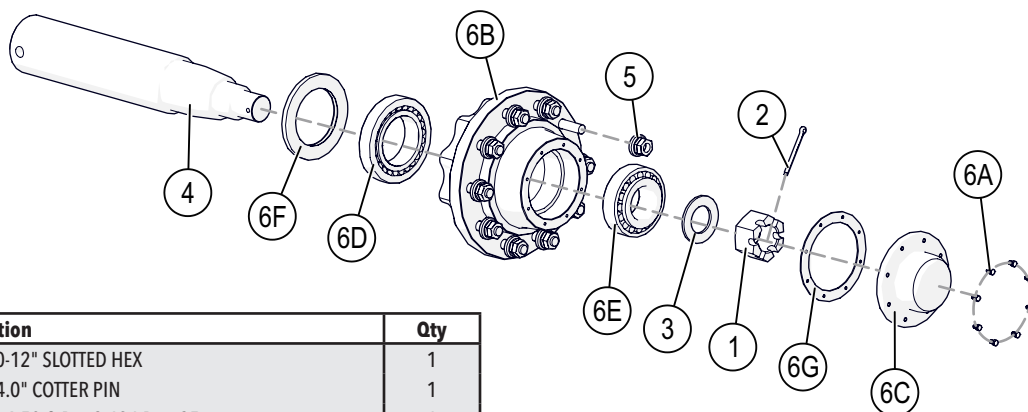
| ID                                | Item No | Description                            | Qty |
|-----------------------------------|---------|----------------------------------------|-----|
| HARVEST VISION SIDE LIGHT PACKAGE |         |                                        |     |
| 20                                | 12962   | LIGHT, MARKER, RED 3/4 LED PC-RATED    | 4   |
| 21                                | 12963   | LIGHT, MARKER, YELLOW 3/4 LED PC-RATED | 8   |
| 22                                | 18535   | SIDE MARKER LIGHT MT 1300 SA REAR      | 1   |
| -                                 | 18540   | SIDE MARKER LIGHT MT 1500 SA REAR      | -   |
| 23                                | 18536   | SIDE MARKER LIGHT MT RF SA             | 1   |
| 24                                | 18537   | SIDE MARKER LIGHT MT RR SA             | 1   |
| 25                                | 18538   | SIDE MARKER LIGHT MT LR SA             | 1   |
| 26                                | 18539   | SIDE MARKER LIGHT MT LF SA             | 1   |

When ordering replacement parts please provide the Unit Color and Item Number

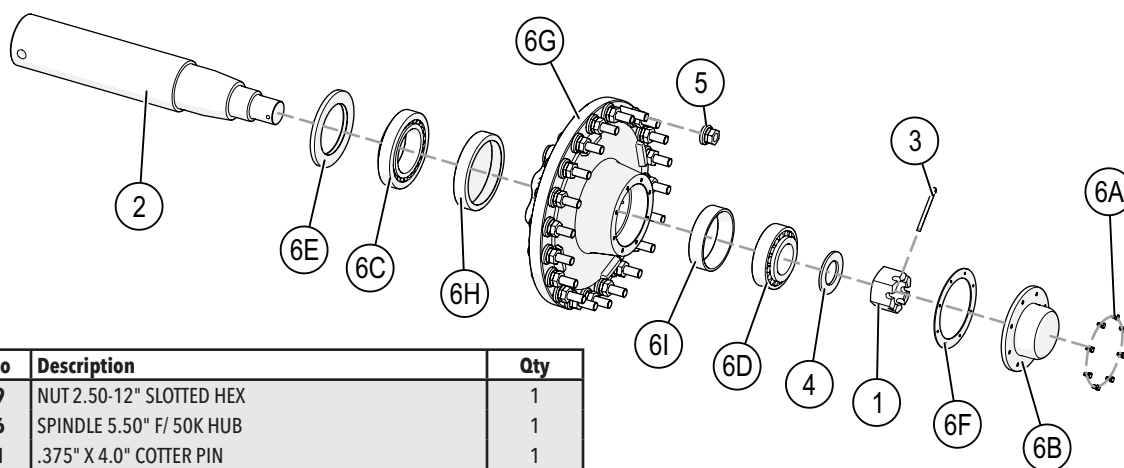


| ID | Item No    | Description                            | Qty |
|----|------------|----------------------------------------|-----|
| 1  | 02961      | .75NC NYLON INSERT LOCK NUT            | 20  |
| 2  | 09454      | BOLT 1.0NF X 6.50 GR8 HEX              | 8   |
| 3  | 09455      | NUT, 1.0NF NYLON INSERT HEX            | 6   |
| 4  | 14014      | PIN HITCH 3.75 OD                      | 4   |
| 5  | 14700      | BOLT .75NC X 2.50 GR8 HEX              | 20  |
| 6  | 15134      | BOLT 1.0NF X 8.50 GR8 HEX              | 2   |
| 7  | 17444      | NUT, 1.0NF NYLON INSERT HEX JAM        | 4   |
| 8  | 17454      | SINGLE AXLE F/ 1300 & 1500 SA GC       | 1   |
| 9  | 17455      | WEIGH BAR MOUNT 3.75 SHORT             | 4   |
| 10 | 35754      | HUB & SPINDLE F/SUPER SINGLE NON-SCALE | 2   |
| -  | 9445231-60 | 1250/50 R32 10 BOLT                    | -   |
| -  | 9445236-60 | 1250/50 R32 20 BOLT                    | -   |

When ordering replacement parts please provide the Unit Color and Item Number

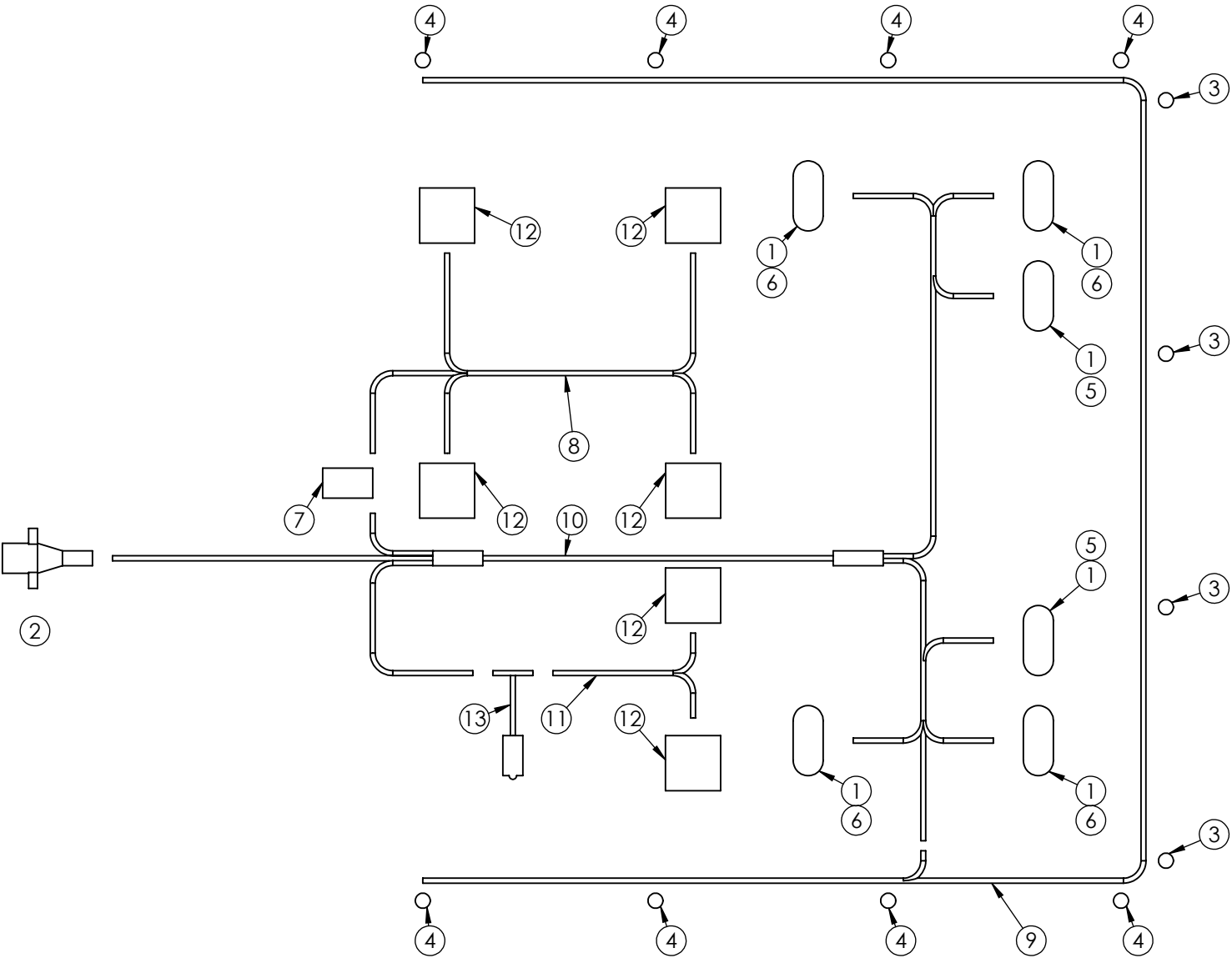


| ID | Item No | Description                                   | Qty |
|----|---------|-----------------------------------------------|-----|
| 1  | 13899   | NUT 2.50-12" SLOTTED HEX                      | 1   |
| 2  | 13911   | .375" X 4.0" COTTER PIN                       | 1   |
| 3  | 14017   | WASHER 4.50 O.D. x 2.63 I.D. x .25            | 1   |
| 4  | 13906   | SPINDLE 5.50" F/ SINGLE F/ 50K HUB            | 1   |
| 5  | 15830   | WHEEL NUT 22MM LOCKING                        | 10  |
| 6  | 5963    | HUB 50K BRAKING 10 BOLT                       | 1   |
| 6A | 04305   | BOLT, 5/16NC X .50 GR5 HEX                    | 8   |
| 6B | 13900   | HUB 50K W/ INNER & OUTER CUPS & STUD BOLTS    | 1   |
| -  | 14026   | REPLACEMENT STUD                              | -   |
| 6C | 13901   | HUB CAP F/ 50K HUB                            | 1   |
| 6D | 13902   | BEARING CONE 795, TIMKIN                      | 1   |
| 6E | 13903   | BEARING CONE 842 TIMKIN                       | 1   |
| 6F | 14016   | SEAL OIL F/ 50K HUB                           | 1   |
| 6G | 14025   | GREASE SEAL F/ 13900                          | 1   |
| -  | 13905   | INNER BEARING RACE (832 TIMKEN) (REPLACEMENT) | -   |
| -  | 13904   | OUTER BEARING RACE (792 TIMKEN) (REPLACEMENT) | -   |



| ID | Item No | Description                                   | Qty |
|----|---------|-----------------------------------------------|-----|
| 1  | 13899   | NUT 2.50-12" SLOTTED HEX                      | 1   |
| 2  | 13906   | SPINDLE 5.50" F/ 50K HUB                      | 1   |
| 3  | 13911   | .375" X 4.0" COTTER PIN                       | 1   |
| 4  | 14017   | WASHER 4.50 O.D. x 2.63 I.D. x .25            | 1   |
| 5  | 15830   | WHEEL NUT 22MM LOCKING                        | 20  |
| 6  | 6151    | HUB 50K BRAKING 20 BOLT                       | 1   |
| 6A | 04305   | BOLT, 5/16NC X .50 GR5 HEX                    | 8   |
| 6B | 13901   | HUB CAP F/ 50K HUB                            | 1   |
| 6C | 13902   | BEARING CONE 795, TIMKIN                      | 1   |
| 6D | 13903   | BEARING CONE 842 TIMKIN                       | 1   |
| 6E | 14016   | SEAL OIL F/ 50K HUB                           | 1   |
| 6F | 14025   | GREASE SEAL F/ 13900                          | 1   |
| 6G | 15552   | HUB 50K 20 BOLT W/ INNER/OUTER RACE & STUDS   | 1   |
| -  | 18325   | REPLACEMENT STUD                              | -   |
| 6H | 13905   | INNER BEARING RACE (832 TIMKEN) (REPLACEMENT) | -   |
| 6I | 13904   | OUTER BEARING RACE (792 TIMKEN) (REPLACEMENT) | -   |

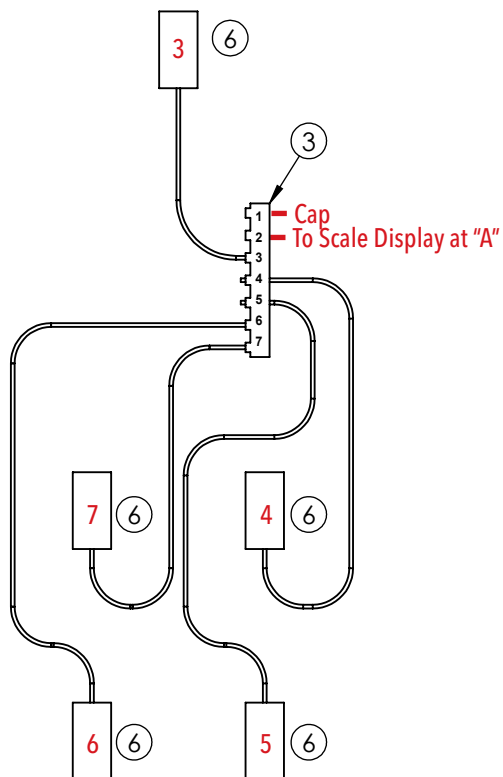
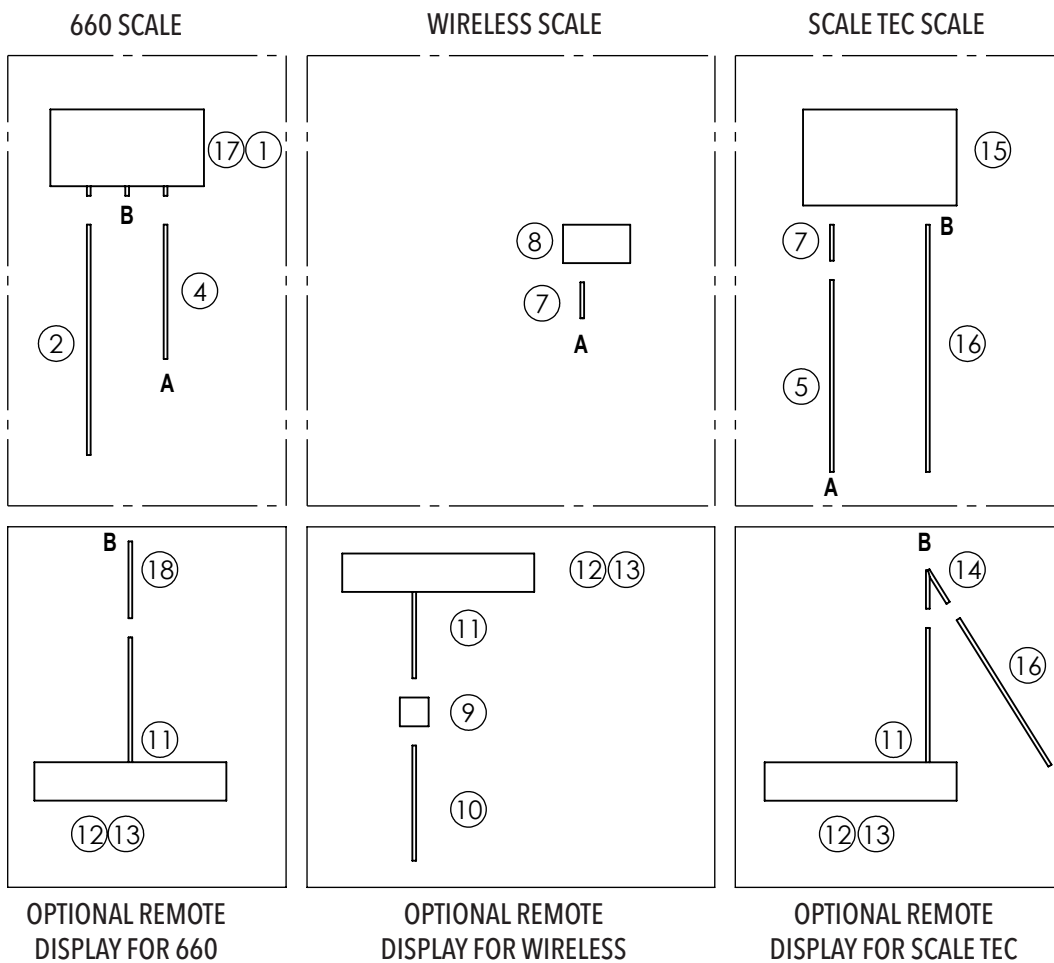
When ordering replacement parts please provide the Unit Color and Item Number



| ID | Item No | Description                                       | Qty |
|----|---------|---------------------------------------------------|-----|
| 1  | 03652   | GROMMET RUBBER OVAL                               | 6   |
| 2  | 07416   | PLUG CONNECTOR 7-WAY MALE                         | 1   |
| 3  | 12962   | MARKER LIGHT RED (OPTIONAL)                       | 4   |
| 4  | 12963   | MARKER LIGHT YELLOW (OPTIONAL)                    | 8   |
| 5  | 14923   | LIGHT 2.3" X 6.5" LED RED                         | 2   |
| 6  | 14924   | LIGHT 2.3" X 6.5" LED YELLOW                      | 4   |
| 7  | 18529   | WIRELESS REMOTE CONTROL F/ WORK LIGHTS (OPTIONAL) | 1   |
| 8  | 18531   | HARNESS WORK LIGHT F/ SA GRAIN CART (OPTIONAL)    | 1   |
| 9  | 18534   | HARNESS MARKER LIGHTS SA (OPTIONAL)               | 1   |
| 10 | 18556   | HARNESS WIRE F/ SA GC                             | 1   |
| 11 | 18625   | HARNESS WIRE SPOUT LIGHTS                         | 1   |
| 12 | 18747   | LIGHT WORK LED W/ WEATHER PACK PLUG               | 6   |
| 13 | 18748   | LIGHT SWITCH ASSEMBLY W/ WEATHER PACK PLUG        | 1   |

When ordering replacement parts please provide the Unit Color and Item Number

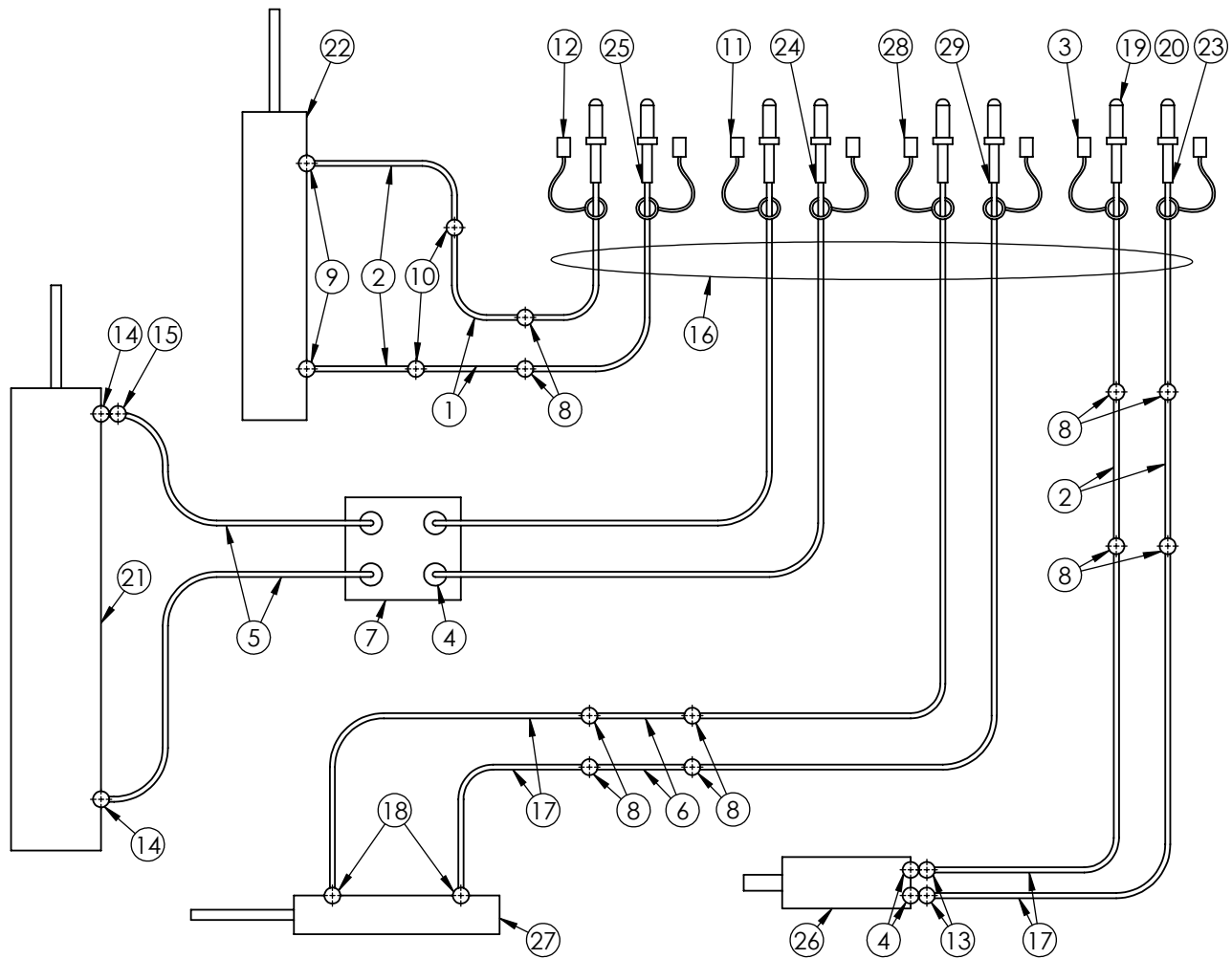




| ID | Item No | Description                                | Qty |
|----|---------|--------------------------------------------|-----|
| 1  | 09440   | 660 SCALE BRACKET                          | 1   |
| 2  | 09441   | POWER CORD 8 FT                            | 1   |
| 3  | 10941   | JUNCTION BOX 7 PLUG                        | 1   |
| 4  | 12264   | HARNESS 25 JUNCTION BOX TO CONSOLE         | 1   |
| 5  | 13266   | HARNESS 15 JUNCTION BOX TO CONSOLE         | 1   |
| 6  | 13983   | WEIGHBAR 3.75 X 15.75 W/ CABLE             | 5   |
| 7  | 14992   | CABLE F/ WIRELESS SCALE 5P TO AMP 3FT      | 1   |
| 8  | 15968   | CONTROL BOX F/ WIRELESS SCALE W/ AUTO GATE | 1   |
| -  | 15360   | BATTERY AA 3.6V LITHIUM (REPLACEMENT)      | -   |
| 9  | 18356   | SERIAL LINK DATA INTERFACE MODULE          | 1   |
| 10 | 18358   | SERIAL LINK POWER CABLE                    | 1   |
| 11 | 18430   | REMOTE DISPLAY 4" TALL                     | 1   |
| 12 | 18478   | REMOTE DISPLAY MOUNT (NOT SHOWN)           | 1   |
| 13 | 18479   | DISPLAY MOUNT (NOT SHOWN)                  | 1   |
| 14 | 18533   | Y CABLE F/ SCALE TEC REMOTE DISPLAY        | 1   |
| 15 | 18559   | SCALE TEC INDICATOR                        | 1   |
| 16 | 18560   | HARVEST MATE ISO 2.0 CABLE 30'             | 1   |
| 17 | 18951   | MONITOR WEIGHTRONIX 660                    | 1   |
| 18 | 18952   | CABLE F/ 660 REMOTE DISPLAY                | 1   |

When ordering replacement parts please provide the Unit Color and Item Number

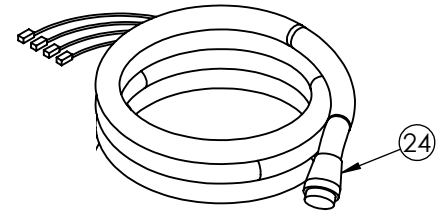
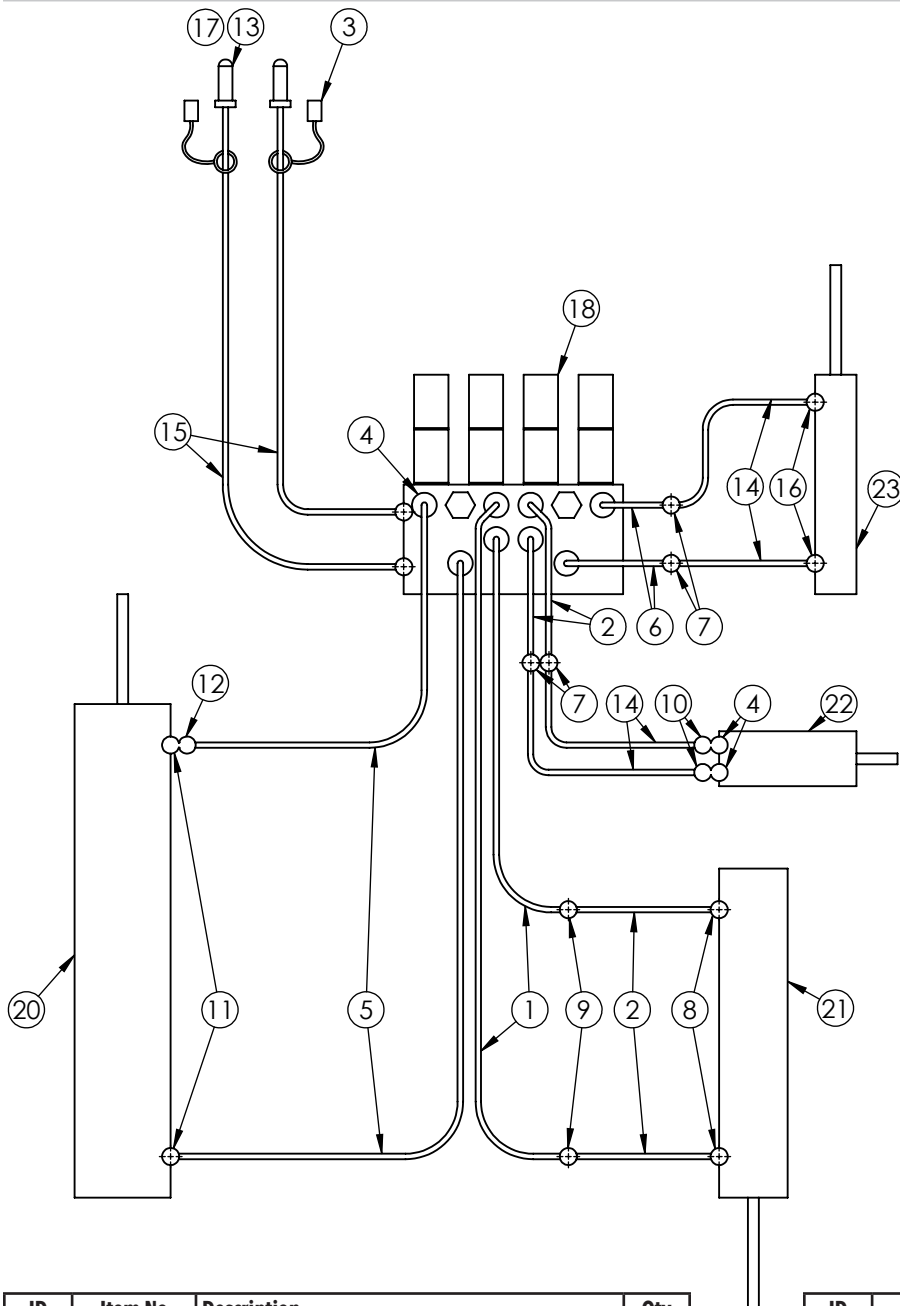
# Hydraulic Schematic



| ID | Item No | Description                      | Qty |
|----|---------|----------------------------------|-----|
| 1  | 05190   | 1/4" X 48" HYDRAULIC HOSE        | 2   |
| 2  | 05191   | 1/4" X 36" HYDRAULIC HOSE        | 4   |
| 3  | 05198   | RUBBER COUPLER COVER BLACK       | 2   |
| 4  | 05243   | STRAIGHT #6 JIC X #6 W/ O-RING   | 6   |
| 5  | 05839   | 1/4" X 142" HYDRAULIC HOSE       | 2   |
| 6  | 07071   | 1/4" X 72" HYDRAULIC HOSE        | 2   |
| 7  | 07582   | PILOT OPERATED CHECK VALVE 4 WAY | 1   |
| 8  | 09950   | UNION #6 JIC MALE 2X             | 10  |
| 9  | 11143   | ELBOW #6M JIC & #6 O-RING        | 2   |
| 10 | 12374   | BULKHEAD 3/8 JIC 45° ELBOW       | 2   |
| 11 | 12677   | RUBBER COUPLER COVER RED         | 2   |
| 12 | 12678   | RUBBER COUPLER COVER YELLOW      | 2   |
| 13 | 13255   | ORIFICE JIC#6 .045               | 2   |
| 14 | 13442   | ELBOW #6M JIC & #10 O-RING       | 2   |
| 15 | 13631   | ORIFICE JIC#6 .060               | 1   |

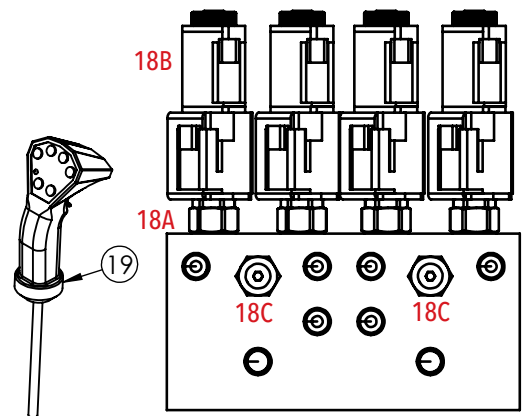
| ID | Item No  | Description                                     | Qty  |
|----|----------|-------------------------------------------------|------|
| 16 | 13883    | 1/4" X 18" HYDRAULIC HOSE W/ COUPLER            | 8    |
| 17 | 13884    | 1/4" X 258" HYDRAULIC HOSE                      | 4    |
| 18 | 13886    | ELBOW #6 O-RING & #6M JIC W/ .041 ORIFICE       | 2    |
| 19 | 13888    | QUICK COUPLER #8 O-RING (REPLACEMENT)           | -    |
| 20 | 13889    | #8 HYDRAULIC O-RING (REPLACEMENT)               | -    |
| 21 | 17104    | AUGER FOLD CYLINDER (FOLDING) (RED)             | 1    |
| 22 | 17317-30 | INNER DOOR CYLINDER (FLOW) (YELLOW)             | 1    |
| 23 | 17515    | TUBBING HEAT SHRINK 1.00 DIA BLACK              | 1.5' |
| 24 | 17516    | TUBBING HEAT SHRINK 1.00 DIA RED                | 1.5' |
| 25 | 17517    | TUBBING HEAT SHRINK 1.00 DIA YELLOW             | 1.5' |
| 26 | 18528    | HYDRAULIC MOTOR F/ SPOUT (CHUTE ROTATE) (BLACK) | 1    |
| 27 | 18596-30 | ADJUSTABLE CHUTE CYLINDER (CHUTE TILT) (GREEN)  | 1    |
| 28 | 18623    | RUBBER COUPLER COVER GREEN                      | 2    |
| 29 | 18624    | TUBBING HEAT SHRINK 1.00 DIA GREEN              | 1.5' |

When ordering replacement parts please provide the Unit Color and Item Number



## HYDRAULIC FUNCTIONS WIRING

| AUGER IN  | DOOR OPEN  | CHUTE LEFT  | CHUTE IN  |
|-----------|------------|-------------|-----------|
| AUGER OUT | DOOR CLOSE | CHUTE RIGHT | CHUTE OUT |



18D IS ON THE BACK SIDE

| ID | Item No | Description                            | Qty |
|----|---------|----------------------------------------|-----|
| 1  | 05190   | 1/4" X 48" HYDRAULIC HOSE              | 2   |
| 2  | 05191   | 1/4" X 36" HYDRAULIC HOSE              | 4   |
| 3  | 05198   | RUBBER COUPLER COVER BLACK             | 2   |
| 4  | 05243   | STRAIGHT #6 JIC X #6 W/ O-RING         | 10  |
| 5  | 05839   | 1/4" X 142" HYDRAULIC HOSE             | 2   |
| 6  | 07071   | 1/4" X 72" HYDRAULIC HOSE              | 2   |
| 7  | 09950   | UNION #6 JIC MALE 2X                   | 4   |
| 8  | 11143   | ELBOW #6M JIC & #6 O-RING              | 2   |
| 9  | 12374   | BULKHEAD 3/8 JIC 45° ELBOW             | 2   |
| 10 | 13255   | ORIFICE JIC#6 .045                     | 2   |
| 11 | 13442   | ELBOW #6M JIC & #10 O-RING             | 2   |
| 12 | 13631   | ORIFICE JIC#6 .060                     | 1   |
| 13 | 13786   | QUICK COUPLER #10 O-RING (REPLACEMENT) | -   |
| 14 | 13884   | 1/4" X 258" HYDRAULIC HOSE             | 4   |

| ID  | Item No  | Description                               | Qty |
|-----|----------|-------------------------------------------|-----|
| 15  | 13885    | 1/2" X 22' HYDRAULIC HOSE W/ COUPLER      | 2   |
| 16  | 13886    | ELBOW #6 O-RING & #6M JIC W/ .041 ORIFICE | 2   |
| 17  | 13891    | #10 HYDRAULIC O-RING (REPLACEMENT)        | -   |
| 18  | 16407    | HYDRAULIC BLOCK 8 FUNCTION                | 1   |
| 18A | 18707    | REXROTH CARTRIDGE (REPLACEMENT)           | -   |
| 18B | 18708    | REXROTH COIL GZ37 (REPLACEMENT)           | -   |
| 18C | 18709    | REXROTH PO CHECK (REPLACEMENT)            | -   |
| 18D | 18710    | REXROTH TANK CHECK (REPLACEMENT)          | -   |
| 19  | 17005    | PENDANT 8 FUNCTION BACKLIT                | 1   |
| -   | 17060    | PENDANT EXTENSION 12' HARNESS (OPTIONAL)  | -   |
| 20  | 17104    | AUGER FOLD CYLINDER (FOLDING)             | 1   |
| 21  | 17317-30 | INNER DOOR CYLINDER (FLOW)                | 1   |
| 22  | 18528    | HYDRAULIC MOTOR F/ SPOUT (CHUTE ROTOATE)  | 1   |
| 23  | 18596-30 | ADJUSTABLE CHUTE CYLINDER (CHUTE TILT)    | 1   |
| 24  | 18683    | HARNESS 26' HITCH/BLOCK 8 FUNCTION SA     | 1   |

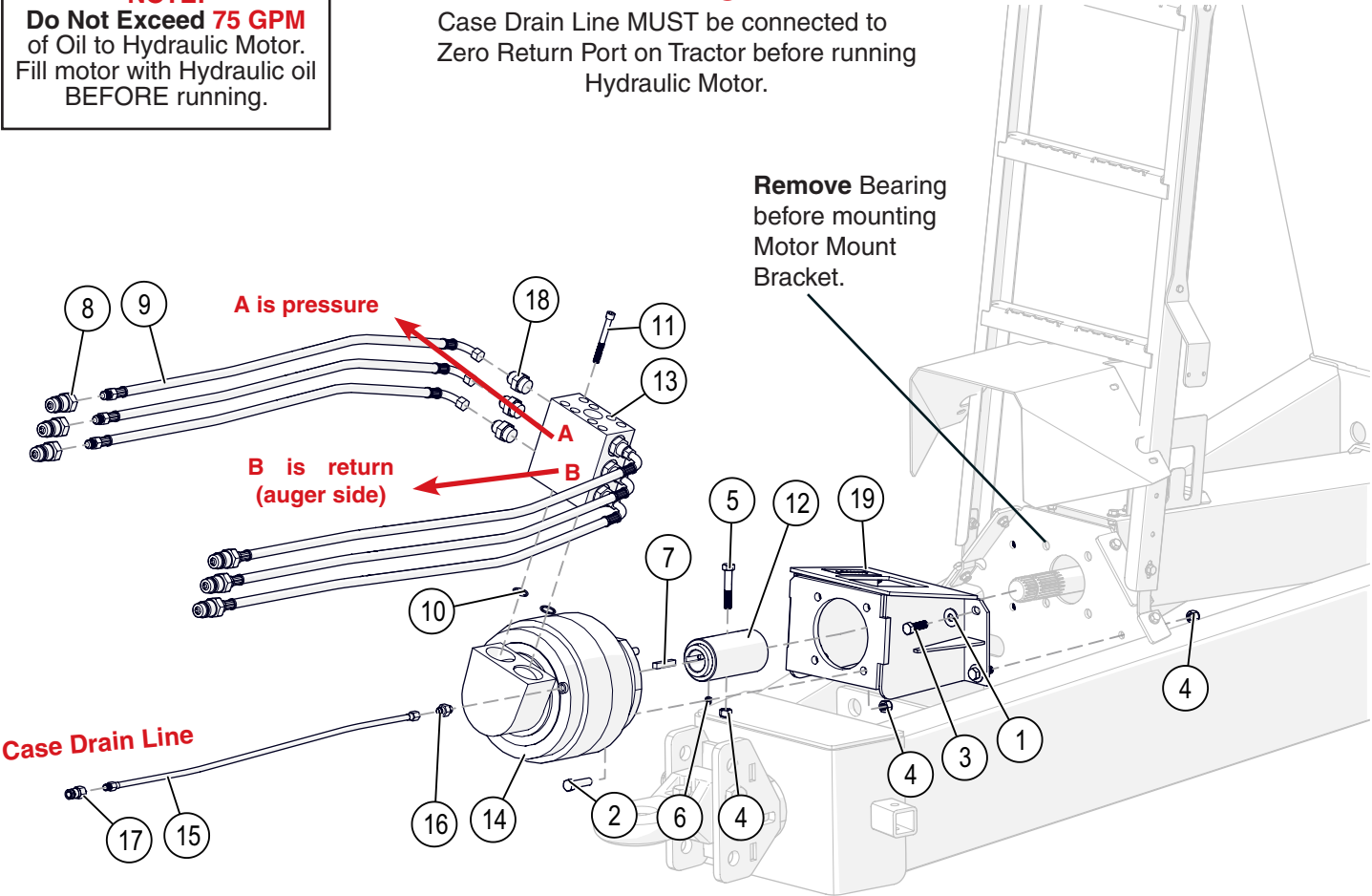
When ordering replacement parts please provide the Unit Color and Item Number

NOTE:

Do Not Exceed 75 GPM  
of Oil to Hydraulic Motor.  
Fill motor with Hydraulic oil  
BEFORE running.

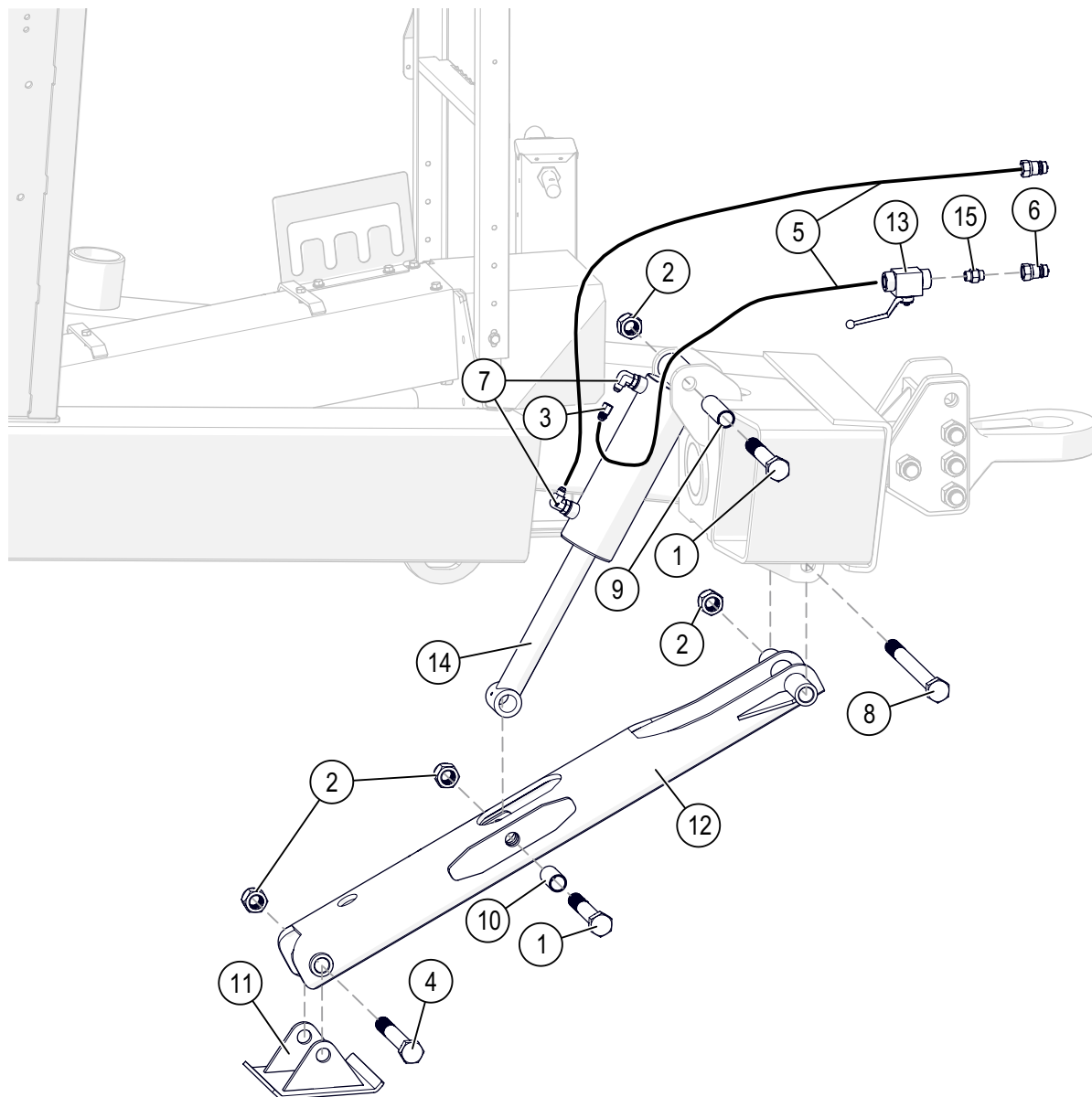
ATTENTION

Case Drain Line MUST be connected to  
Zero Return Port on Tractor before running  
Hydraulic Motor.



| ID | Item No | Description                                       | Qty |
|----|---------|---------------------------------------------------|-----|
| 1  | 00085   | .50 FLAT WASHER                                   | 4   |
| 2  | 01253   | BOLT .50NC X 2.00 HEX HEAD GR.5                   | 4   |
| 3  | 01254   | BOLT .50 NC X 1.50 GR.5 HEX                       | 4   |
| 4  | 02178   | NUT .50NC LOCK NY. INSERT                         | 9   |
| 5  | 04797   | BOLT .50NC X 2.75 GR5 HEX                         | 1   |
| 6  | 05256   | SET SCREW .375NC X .50 SOCKET HEAD                | 1   |
| 7  | 13535   | .375 x .375 x 2.00 KEY                            | 1   |
| 8  | 13786   | QUICK COUPLER #10 O-RING WITH MALE TIP            | 6   |
| 9  | 13787   | HYD HOSE .63 X 168 F#10 JIC ELB X M#10 O-RING     | 6   |
| 10 | 13789   | REPLACEMENT O-RING F/ 13499 BLOCK                 | 2   |
| 11 | 13790   | REPLACEMENT CAP SCREW 3.50" F/ 13499              | 8   |
| 12 | 15110   | COUPLER ASSY 1.75-20 X 1.50 KEY                   | 1   |
| 13 | 15111   | FS HYD MOTOR VALVE MANIFOLD                       | 1   |
| 14 | 15112   | FS350 HYD MOTOR                                   | 1   |
| 15 | 15234   | HYD HOSE .38 X 168" - CASE DRAIN                  | 1   |
| 16 | 15235   | FTG BRITISH PARALLEL                              | 1   |
| 17 | 15236   | QUICK COUPLER CASE DRAIN #8 ORING                 | 1   |
| 18 | 15237   | FTG STR #12 MALE O-RING - #10 MALE JIC            | 6   |
| 19 | 17320   | HYDRAULIC MOTOR MT F/850, 1000, 1100, 1300 & 1500 | 1   |

When ordering replacement parts please provide the Unit Color and Item Number



| ID | ITEM NO  | DESCRIPTION                                              | Qty |
|----|----------|----------------------------------------------------------|-----|
| 1  | 09454    | BOLT 1.0NF X 6.50 GR8 HEX                                | 2   |
| 2  | 09455    | NUT, 1.0NF NYLON INSERT HEX                              | 4   |
| 3  | 13255    | .045" ORFICE                                             | 1   |
| 4  | 13510    | BOLT 1.0NF X 7.50 GR8 HEX                                | 1   |
| 5  | 13883    | HOSE, HYD, .25 3000 PSI 216" OAL                         | 2   |
| 6  | 13888    | QUICK COUPLER #8 O-RING (REPLACEMENT)                    | -   |
| 7  | 15158    | FTG HYD ELBOW #8 MALE O-RING X 6# MALE JIC               | 2   |
| 8  | 17014    | BOLT 1.0NF X 12.00 GR8 HEX                               | 1   |
| 9  | 18822-95 | BUSHING                                                  | 1   |
| 10 | 18823-95 | BUSHING                                                  | 1   |
| 11 | 18824    | HYDRAULIC JACK FOOT                                      | 1   |
| 12 | 18825    | JACK LINKAGE                                             | 1   |
| 13 | 18826    | HYD BALL VALVE MANUAL #8 O-RING                          | 1   |
| 14 | 18827    | HYD CYLINDER 3.5" X 8.00" STROKE                         | 1   |
| 15 | 18828    | HYD FTG #8 MALE O-RING X #8 MALE O-RING UNION 6403-08-08 | 1   |

When ordering replacement parts please provide the Unit Color and Item Number



## TORQUE SPECIFICATIONS

Torque figures indicated are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

\* GRADE or CLASS value for bolts and capscrews are identified by their head markings.

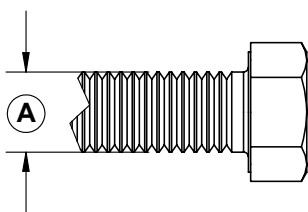
### BOLT TORQUE DATA FOR STANDARD NUTS, BOLTS, AND CAPSCREWS.

Tighten all bolts to torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt chart as guide. Replace hardware with same grade bolt.

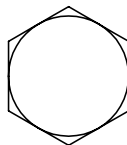
NOTE: Unless otherwise specified, high-strength Grade 5 hex bolts are used throughout assembly of equipment.

| * BOLT TORQUE FOR STANDARD BOLTS |         |       |         |       |         |        |
|----------------------------------|---------|-------|---------|-------|---------|--------|
| "A"                              | GRADE 2 |       | GRADE 5 |       | GRADE 8 |        |
|                                  | lb-ft   | (N.m) | lb-ft   | (N.m) | lb-ft   | (N.m)  |
| 1/4"                             | 6       | (8)   | 9       | (12)  | 12      | (16)   |
| 5/16"                            | 10      | (13)  | 18      | (25)  | 25      | (35)   |
| 3/8"                             | 20      | (27)  | 30      | (40)  | 45      | (60)   |
| 7/16"                            | 30      | (40)  | 50      | (70)  | 80      | (110)  |
| 1/2"                             | 45      | (60)  | 75      | (100) | 115     | (155)  |
| 9/16"                            | 70      | (95)  | 115     | (155) | 165     | (220)  |
| 5/8"                             | 95      | (130) | 150     | (200) | 225     | (300)  |
| 3/4"                             | 165     | (225) | 290     | (390) | 400     | (540)  |
| 7/8"                             | 170     | (230) | 420     | (570) | 650     | (880)  |
| 1"                               | 225     | (300) | 630     | (850) | 970     | (1310) |

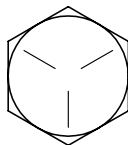
| * BOLT TORQUE FOR METRIC BOLTS |           |       |           |       |            |        |
|--------------------------------|-----------|-------|-----------|-------|------------|--------|
| "A"                            | CLASS 8.8 |       | CLASS 9.8 |       | CLASS 10.9 |        |
|                                | lb-ft     | (N.m) | lb-ft     | (N.m) | lb-ft      | (N.m)  |
| 6                              | 9         | (13)  | 10        | (14)  | 13         | (17)   |
| 7                              | 15        | (21)  | 18        | (24)  | 21         | (29)   |
| 8                              | 23        | (31)  | 25        | (34)  | 31         | (42)   |
| 10                             | 45        | (61)  | 50        | (68)  | 61         | (83)   |
| 12                             | 78        | (106) | 88        | (118) | 106        | (144)  |
| 14                             | 125       | (169) | 140       | (189) | 170        | (230)  |
| 16                             | 194       | (263) | 216       | (293) | 263        | (357)  |
| 18                             | 268       | (363) | --        | --    | 364        | (493)  |
| 20                             | 378       | (513) | --        | --    | 515        | (689)  |
| 22                             | 516       | (699) | --        | --    | 702        | (952)  |
| 24                             | 654       | (886) | --        | --    | 890        | (1206) |



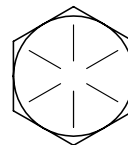
GRADE-2



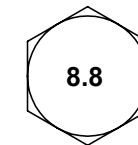
GRADE-5



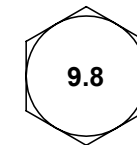
GRADE-8



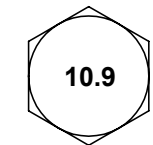
CLASS 8.8



CLASS 9.8



CLASS 10.9



# DEMCO

4010 320th St., Boyden, IA. 51234

Phone: (712) 725-2311

Fax: (712) 725-2380

Toll Free: 1-800-54DEMCO (1-800-543-3626)

**Demco warranty policies, operator manuals, and product registration  
can be found online:**

**[www.demco-products.com](http://www.demco-products.com)**