

THE **TUCKERBILT**®

**6-YARD CONCRETE
TRANSPORT VEHICLE T-630**



PARTS AND SERVICE

Tuckerbilt T-630 Operators Manual Addendum 2014

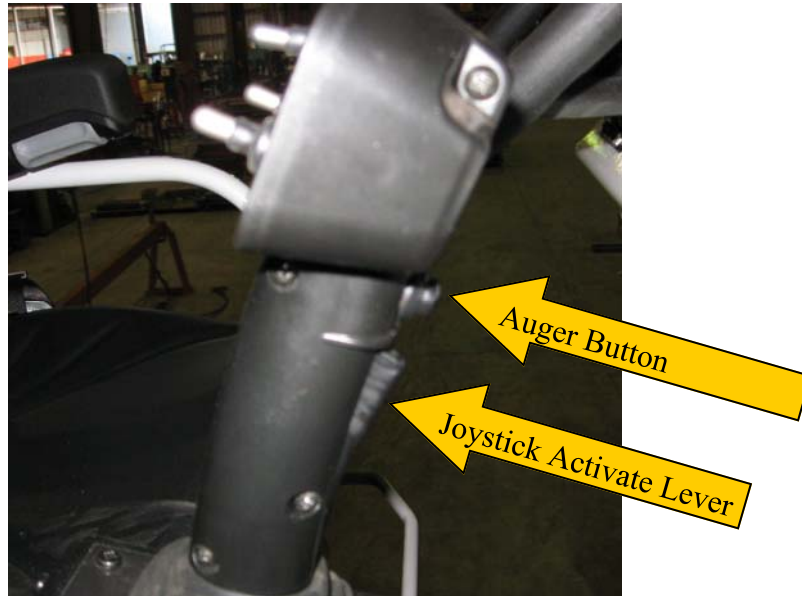
Safety circuit addition. After starting the T-630, The Safety Reset Lever must be pushed to activate the Joystick and electrical functions. Anytime the operator gets out of the seat, the brakes lock and all electrical control functions will be disabled. The Safety Reset Indicator Light will illuminate as a reminder the Safety Reset Lever must be pushed again. The Park Brake will have to be pushed in again as well.



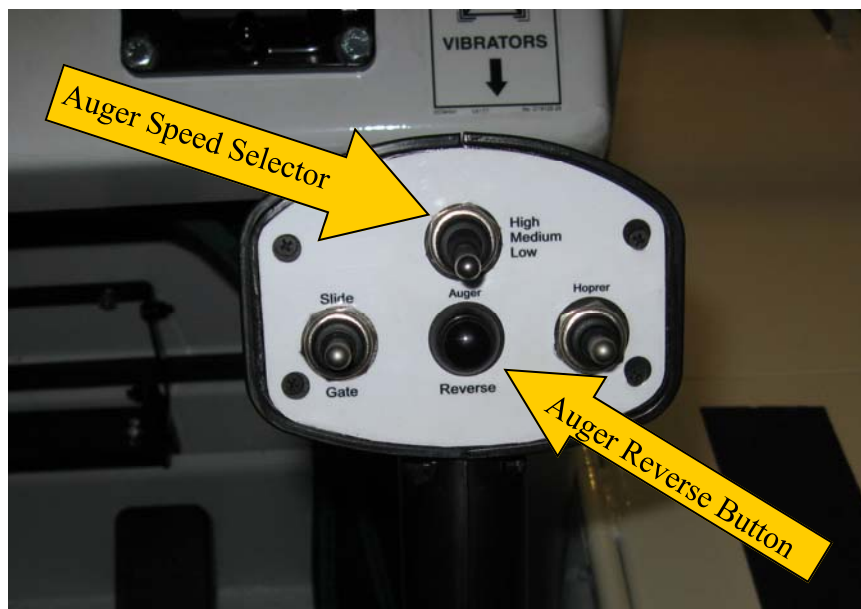
Tuckerbilt T-630 Operators Manual Addendum 2014

The Joystick Activate Lever must be held in at all times for joystick operation. Example: Hold the lever and pull back, the hopper raises. Hold the lever and push right, the hopper swings to the right.

To Auger, hold the lever and pull the Auger Button on front of the Joystick. Reverse the Auger by holding the lever, pushing the Reverse Button on back of joystick, and pull the Auger Button on front of the joystick.



Select Auger Speed with the 3 position toggle on the back of joystick. The Slide Gate and Hopper Cover Toggle switches are options not activated on all machines.



PRO-TRAC CONSTRUCTION TIRES



INDUSTRIAL LOADER L2 - (5 MPH MAX SPEED)									
TIRE CODE	SIZE	PLY	WGT	O.D.	C.S.	TREAD DEPTH 32NDS	MAX LOAD	MAX PSI	RIM WIDTH
BSL-8000-PT	15.5-25 L2	12	168	50.3	15.5	29	12,300	58	12.00
BSL-8001-PT	17.5-25 L2	12	183	53.1	17.5	31	13,600	51	14.00
BSL-8002-PT	17.5-25 L2	16	184	53.1	17.5	31	16,100	69	14.00
BSL-8003-PT	20.5-25 L2	12	243	58.8	20.5	35	14,800	36	17.00
BSL-8042-PT	20.5-25 L2	16	263	58.8	20.5	35	18,200	51	17.00
BSL-8008-PT	23.5-25 L2	16	504	63.7	23.5	40	20,900	44	19.50

<http://www.pro-tractire.com/construction.php>

Tuckerbilt T-630 Tire Pressure: 65 PSI



Sun Hydraulics
1500 West University Parkway
Sarasota, FL 34243
www.sunhydraulics.com

Title: FIRMWARE VERSION

Company: Tucker's 14400

Device: MSC

User: Don Galbreath

Firmware Version: V1.41

Date: 7/7/2014

Source: MSC on COM3

Device Settings List

Parameter	Value
FIRMWARE VERSION	1.41
SUN HYDRAULICS	790-4A12V
MODE (CMD,ENBL)	1 (0-10V,NC)
MINIMUM INPUT	0.40V[0.00]
MAXIMUM INPUT	4.52V[0.00]
MINIMUM OUTPUT	0.28A [0.00]
MAXIMUM OUTPUT	1.15A [0.00]
DITHER FREQ.	140 Hz.
RAMP UP TIME	2.0S
RAMP DOWN TIME	8.0S
COMMAND INPUT	0.00V
OUTPUT CURRENT	0.00A
SUPPLY VOLTAGE	12.3V
FAULT STATUS	NO FAULTS

Page Intentionally Left Blank

TUCKERBILT EQUIPMENT WARRANTY

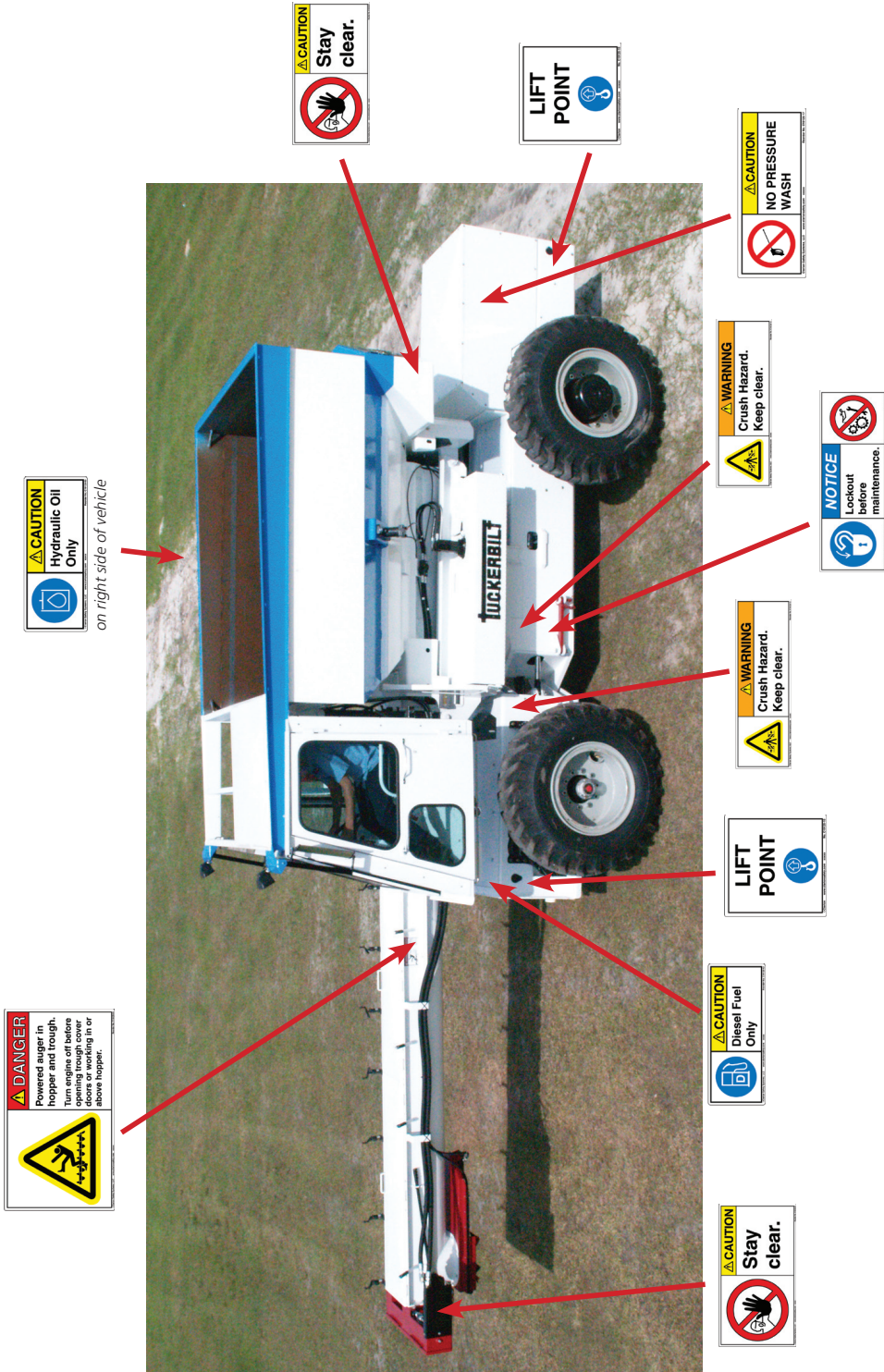
NO EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES WHETHER MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE OR OTHERWISE (EXCEPT AS TO TITLE), OTHER THAN THOSE EXPRESSLY SET FORTH HEREIN WHICH ARE MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, SHALL APPLY TO PRODUCTS SOLD BY TUCKER'S, AND NO WAIVER, ALTERATION, OR MODIFICATION OF THE FOREGOING CONDITIONS SHALL BE VALID UNLESS MADE IN WRITING AND SIGNED BY AN EXECUTIVE OFFICER OF TUCKER'S.

Tucker guarantees to replace or, at its option, repair any products or parts thereof which are found to be defective in material or workmanship within 12 months from the date of shipment, free of charge, F.O.B. Tucker's plant, PROVIDED THAT the product has been installed in accordance with Tucker's recommendations, and that the product has been operated under normal conditions for the purpose for which it was manufactured. Prompt notification of any defect and proof that the product has been properly installed, maintained, and operated within the limits rated and normal usage is required before Tucker's will agree to replace or repair defective parts.

IN NO EVENT SHALL TUCKER'S BE LIABLE FOR CONSEQUENTIAL DAMAGES, DAMAGES FOR LOSS OF USE, OR SPECIAL DAMAGES, OR FOR TRANSPORTATION, INSTALLATION, ADJUSTMENT, OR OTHER EXPENSES WHICH MAY ARISE IN CONNECTION WITH SUCH PRODUCTS OR PARTS.

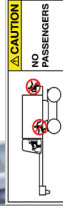
If purchaser is a distributor, Tucker's limited warranty is transferable to the initial user, provided notice of transfer is given by purchaser to Tucker's at the time of such transfer, and provided further that the initial user used the products in accordance with the requirements stated herein. Neither the warranty nor any other provisions stated herein entitles purchaser or any third party to damages, direct or consequential, for personal injury arising from the installation, operation, or use of product furnished hereunder, and purchaser agrees to assist Tucker's and to hold Tucker's harmless in effectuation of this provision. Machinery, parts, accessories and components manufactured by others are warranted only to the extent of the original manufacturer's Warranty.

SAFETY LABELS



SAFETY LABELS

OVERHEAD IN CAB



Truckers, Machines & Steel Service, Inc.
 PO Box 462610
 Leesburg, FL 34749-2610
 (352) 782-1277 FAX (352) 782-1278 (352) 782-3157 TX

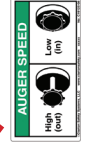
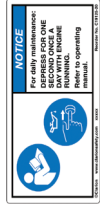
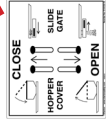
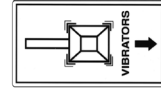
Model No.	
Type Designation	
Serial No.	
Year of Construction	
Installed Power	
Rated Voltage	

Operating Mass: _____
 Net Weight: _____




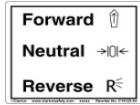


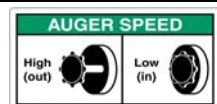


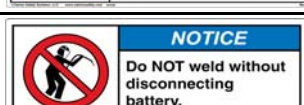



CE





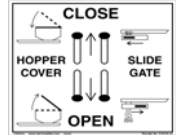

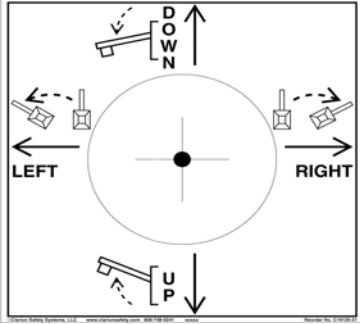


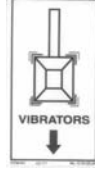

INSIDE OF CAB



T-630 Labels - 81980-TIER-III-CE-01

Order Number	Label	Message	Qty.
C19125-01		Powered Auger in hopper and trough. Turn Engine off before opening trough cover doors or working in or above hopper.	3
C19125-02		Diesel Fuel Only	1
C19125-03		Hydraulic Oil Only	1
C19125-04		Forward Neutral Reverse	1
C19125-05		Run Engine Idle	1
C19125-07		Stay Clear.	4
C19125-08		Auger Speed High (out) Low (in)	1
C19125-11		Lockout before maintenance.	2
C19125-12		Crush Hazard. Keep clear.	4
C19125-13		Do NOT weld without disconnecting battery.	2
C19125-14		Fasten Seat Belt	1
C19125-15		Lift Point	4
C19125-16		Tucker's Machine & Steel Service, Inc. PO Box 492810 Leesburg, FL 34749-2810 (352) 787-3157 Phone (352) 365-1732 Fax www.tuckerbilt.com	1
C19125-16		Information Plate	

T-630 Labels - 81980-TIER-III-CE-01

Order Number	Label	Message	Qty.
C19125-17		NO PRESSURE WASH	2
C19125-18		Hearing protection required.	1
C19125-19		Hopper Cover Slide Gate Open/Close (Optional Equipment)	1
C19125-20		For daily maintenance: DEPRESS FOR ONE SECOND ONCE A DAY WITH ENGINE RUNNING. Refer to operating manual.	1
C19125-21		Left/Right Down/Up	1
C19125-22		NO PASSENGERS	1
C19125-25		Auger	1
C19125-26		Vibrators	1
80173-01		Dash Label	1

LIFT POINTS

Additional lift points are located at same spots on opposite side of vehicle.



T-630 OPERATION AND MAINTENANCE MANUAL

Keep this manual in your T-630 as a ready reference.

FORWARD

The SAFE and EFFICIENT operation of the T-630 depends on the skill and alertness of the operator. To safely use and maintain the T-630, the operator must:

1. Know the working capabilities of the T-630.
2. Know the make-up of the T-630.
3. Thoroughly read, understand and comply with the maintenance, safe-driving and load-handling procedures of the T-630 described in this manual.

It is critical that a qualified individual, experienced in T-630 operation, guide any new operator(s) through several driving and pouring operations before the new operator attempts to operate the T-630 on their own. It is the responsibility of the employer to make sure the operator they designate can see, hear and has the physical and mental ability to operate the T-630 safely.

This manual contains information necessary for the operation and daily maintenance of the T-630.

NOTE: OPTIONAL EQUIPMENT IS SOMETIMES INSTALLED WHICH CAN CHANGE THE OPERATING CHARACTERISTICS DESCRIBED IN THIS MANUAL. BEFORE OPERATING ANY T-630, MAKE SURE THE NECESSARY INSTRUCTIONS FOR ANY OPTIONAL EQUIPMENT INSTALLED ON YOUR T-630 ARE AVAILABLE, HAVE BEEN STUDIED AND ARE COMPLETELY UNDERSTOOD.

All information, specifications, and illustrations in this manual are based on the latest data available at the time of publication. The specifications, torques, pressures, measurements, adjustments, illustrations, and instructions can change at any time. These changes can affect operating procedures and the service required by the product. Obtain the most complete and current information from your Tuckerbilt dealer before starting any job. Additional manuals are available from your Tuckerbilt dealer. T-630 operator training is provided through your Tuckerbilt dealer. They will be glad to answer any questions you have about operating or maintaining your new T-630.

**Post Office Box 492810
Leesburg, Florida 34749-2810**

(352) 787-3157

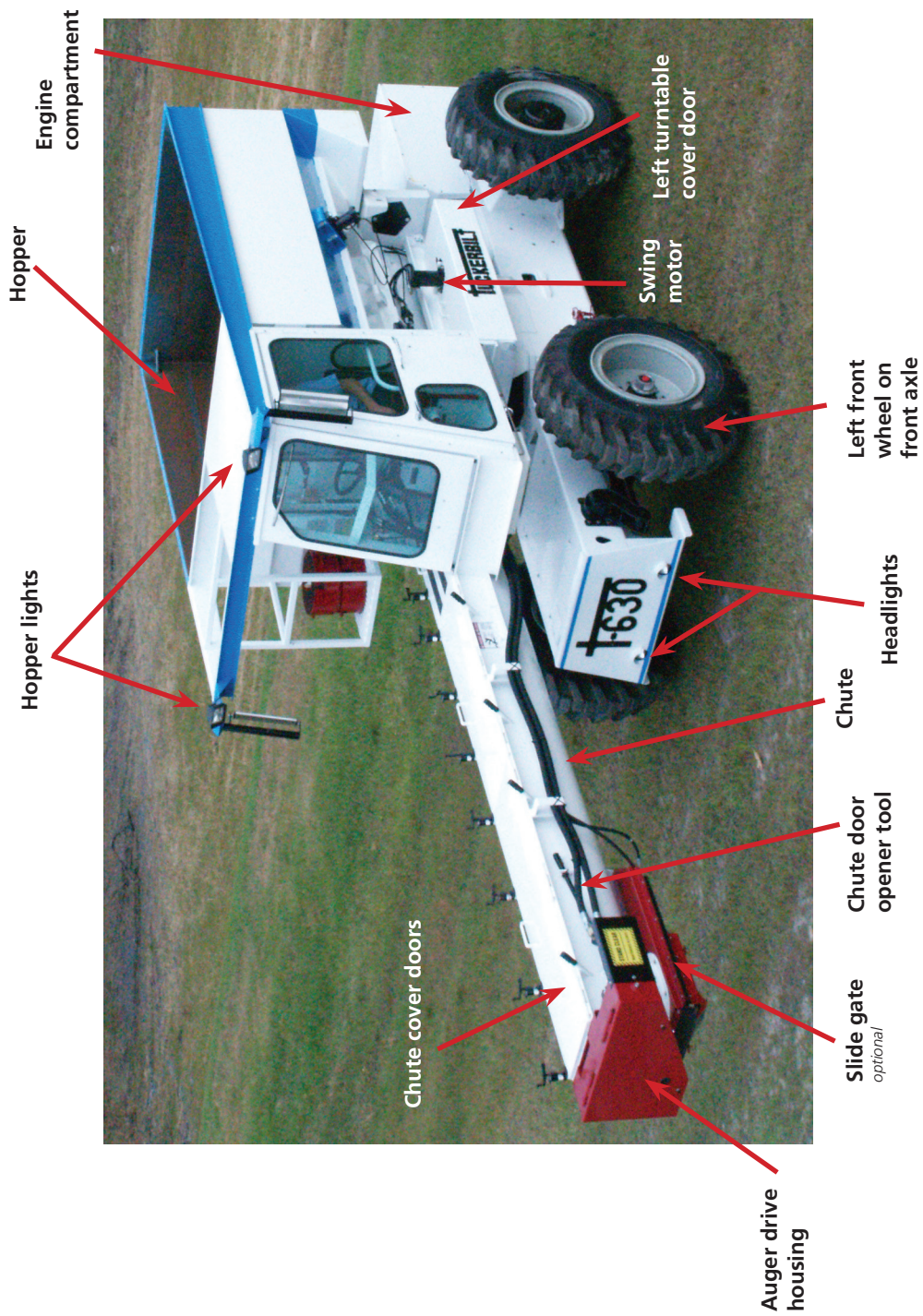
Fax (352) 365-1732

www.Tuckerbilt.com

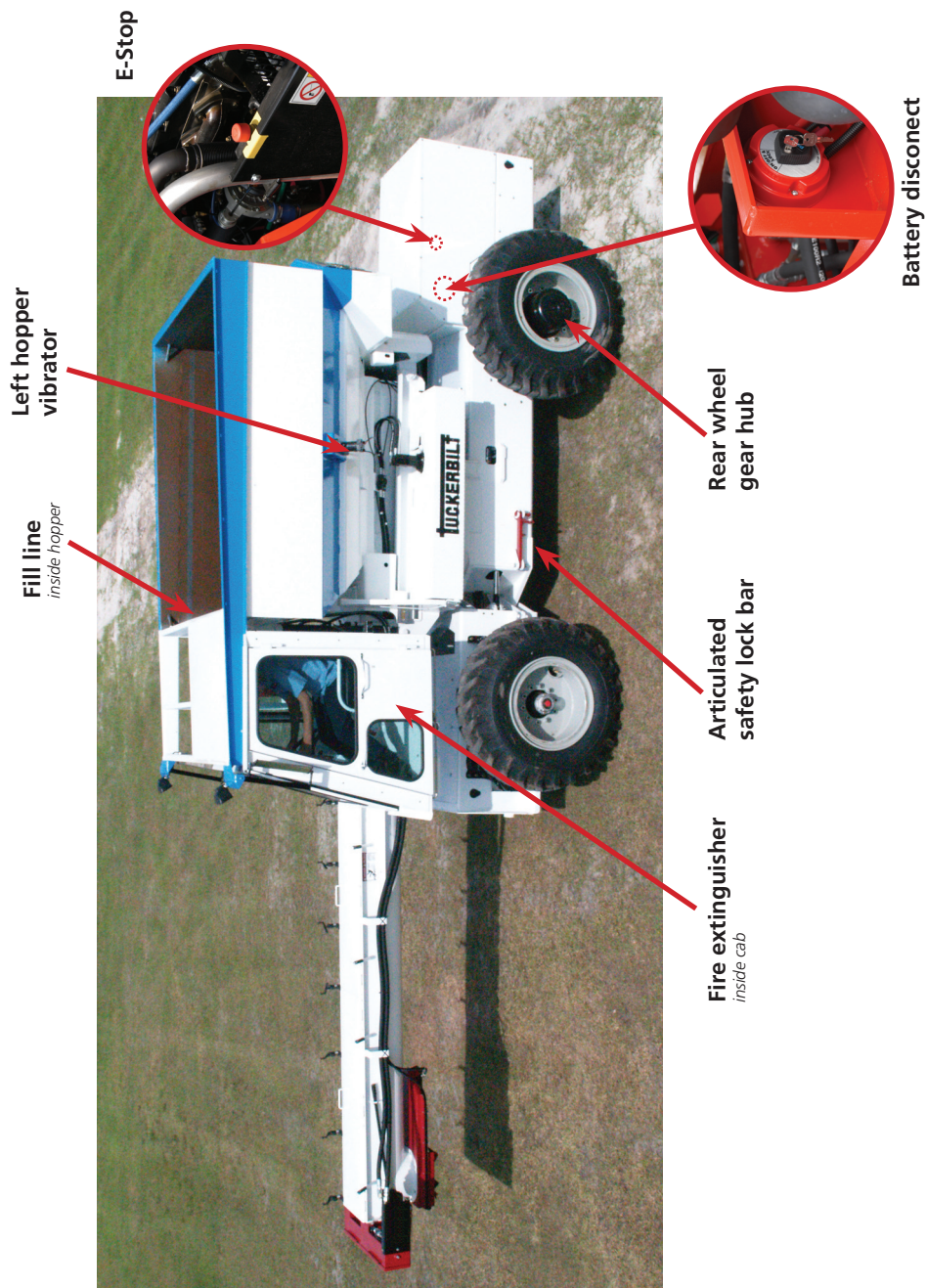
The T-630 is not intended for and should never be operated on public roads. When pouring concrete using the T-630 it is critical that the machine be on flat, stable ground. Moving in a straight path, parallel to the angle of the incline, a loaded T-630 can negotiate a $6^{\circ} \pm$ grade with the hopper level to the frame. Do not turn or attempt to maneuver the T-630 unless it is on flat, stable ground.

The T-630 Concrete Transporter is designed to collect concrete from a batch plant and discharge it into nearby forms efficiently and safely. That is the T-630's sole purpose and those are the only functions for which the T-630 is authorized to be used. Any use of the T-630 other than transporting concrete between batch plant and forms is an unsafe and unauthorized use of this equipment and may result in injury or death to operators, crewmembers or bystanders and damage the T-630. The manufacturer assumes no liability whatsoever for improper or unauthorized use(s) or operation(s) of the T-630 Concrete Transport Vehicle.

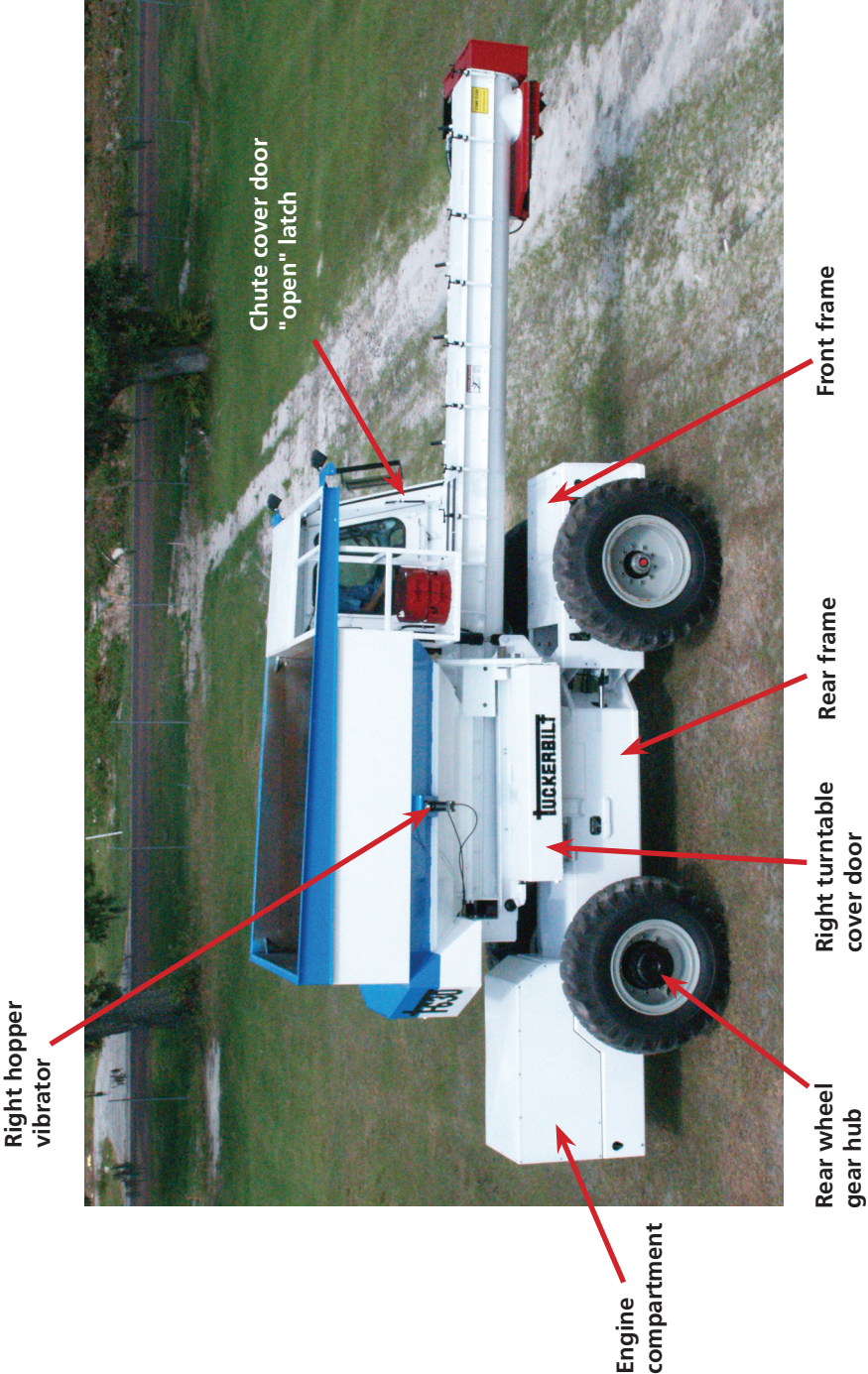
T-630 COMPONENTS



T-630 COMPONENTS



T-630 COMPONENTS



SAFETY GUIDELINES FOR T-630 OPERATORS

The safety rules and regulations in this section are representative of some, but not all rules and regulations that apply to the T-630. The most effective way of preventing serious injuries or death, to yourself and others is for you to know how to maintain and operate the T-630 properly. Drive carefully and avoid maneuvers or conditions that can cause accidents. Do not operate the T-630 if it is in need of maintenance, repair or appears to be unsafe in any way. Report all unsafe conditions immediately to your supervisor and contact your authorized Tuckerbilt dealer. Do not attempt any adjustments or repairs unless you are trained and authorized to do so. All maintenance and repair operations should be undertaken on flat, stable ground.

Continuing improvement and advancement of product design may have caused changes to your T-630, which may not be included in this publication. Whenever a question arises regarding your T-630, or this publication, please consult your Tuckerbilt dealer for the latest available information.


All T-630 users should be familiar with their local, regional, and national regulations.

DIRECTIONAL TERMS

The directions “left,” “right,” “front” and “rear” used in this manual are given from the viewpoint of the operator facing forward as he sits in the cab of the T-630.

IMPORTANT WARNING SYMBOLS

The following safety signs and notices are used in this manual to emphasize important and critical instructions.

 Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

 Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or damage to your machine.

WARNING: PROTECT YOURSELF FROM INJURY. USE PROPER SAFETY EQUIPMENT, INCLUDING SAFETY GLASSES, HARD HAT AND HEARING PROTECTION WHEN THE ENGINE IS RUNNING.

PASSIVE ALERT SYSTEM FOR BACKING SAFETY

When the “Forward-Neutral-Reverse” selector (see section on operator controls, pg. 15) is moved down into the reverse position, every time the throttle pedal is depressed, the cab display alert system for backing safety will emit a single audio tone to alert the operator that the cab display system is operational. If the audio tone does not occur, there may be a problem with the cab display backing safety system.

When functioning properly, any time the T-630 is backing up, the automatic Backing Safety System will emit an audible alert (approximately 5 decibels above the level of ambient sound in the work environment) to warn crew and bystanders that the machine is moving in reverse.

Additionally, when the system detects a moving or stationary object in the backing path of the T-630 the vehicle operator receives an enhanced auditory alert and a visual warning in the cab. The volume of the auditory alert increases to 112 decibels, heightening the operator’s awareness of a potential hazard and audibly warning any bystanders to immediately move out of the machine’s path.


AUTOMATIC SEAT SAFETY CIRCUIT

The T-630 is equipped with a seat safety circuit that will activate if the operator leaves the driver's seat for any reason while the engine is running. This immediately causes the main air supply to the operator cab to be shut off.

Activation of the seat safety circuit immediately has the following effects on the T-630:

- The parking brake is automatically engaged.
- The accelerator pedal is immediately disabled, stopping forward or backward machine travel.
- The engine speed reduces to idle (if the engine speed had previously been set to high RPM, it will return to high RPM when the operator is re seated.)
- Hydraulic pressure from the controls pump is diverted directly to the hydraulic tank, thus preventing steering, lift, swing, or auger operation.

Because activation of the seat safety circuit will automatically engage the parking brake, it must be manually released by the operator when he returns to the seat to resume operating the machine.

 While operating the T-630 the operator must keep his or her seat belt securely fastened across his lap to prevent him rising out of the driver's seat and inadvertently activating the seat safety switch. The sudden stop caused by activation of the seat safety switch can cause injury, death or tip-over of the T-630 — especially but not limited to times when the T-630 is carrying a load of concrete.

MAINTENANCE AND INSPECTIONS

A well-maintained machine is a safer machine. The key to maintaining your T-630 properly is to follow the instructions in this manual faithfully, completely and at the proper intervals. Do not operate the T-630 until you know it is safe to do so and all inspections and maintenance requirements have been fulfilled. Do not permit unauthorized or unqualified personnel to operate, service or maintain this machine. Always operate and perform any maintenance of the machine on a level surface.

PRIOR TO ANY SERVICE OR MAINTENANCE

- Shut engine off.
- Shut engine off and set parking brake, remove ignition keys and take the keys with you before dismounting.
- Place keys in pocket.
- Keep keys with you so that no one else can start machine while you are servicing or inspecting it.

NEVER LEAVE KEYS IN AN UNOCCUPIED CAB.

- Lock the Articulate Safety Lock Bar (see figure 1.)

- WARNING**
- Unintended movement of the machine or any component system of the T-630 may cause injury to the technician or bystanders. To protect against unintended movement, secure the machine and disable the specific component while you are servicing it.
 - Some cleaning solvents are flammable. To avoid possible fire, do not use cleaning solvents in an area where a source of ignition may be present.
 - Fluid under pressure. Relieve pressure in the hydraulic system before removing hoses, fittings, gauges, or components. Relieve pressure on steering cylinders by turning the steering wheel back and forth. To service lift cylinder, lower hopper all the way down and shut engine off. Then, bump Up/Down lever back and forth a couple of times. (see section on identification and function of operator controls on Pg.15.)



Figure 1

Escaping hydraulic fluid under pressure can have sufficient force to penetrate your skin causing serious injury and/or infection. This fluid may also be hot enough to cause burns. Use caution when dealing with hydraulic fluid under pressure. Never use your hand or any other body part to check for leaks in a pressurized line. Seek medical attention immediately if you are cut by hydraulic fluid.

TOWING THE T-630

In the event of an engine problem or other malfunction that prevents the T-630 from moving under its own power, the T-630 may be towed to a suitable nearby location for appropriate service to be performed.

(See figure A.) Prior to towing, both rear wheel gearboxes must be disengaged to prevent possible damage to the hydraulic motors and pump. To disengage rear gear boxes, go to both left and right rear hubs and remove the (2) quarter inch bolts that affix the disengage cap to the center of the gearbox. Once removed, flip the disengage cap over and put it back in place so that the protrusion on the cap pushes into the center of the gearbox and depresses the tip of disengage rod. Replace the (2) quarter inch bolts and tighten them to hold the disengage cap in place. Do this on both the left and right gearboxes.

Reverse this procedure on both gearboxes to reconnect the gearbox for driving. It is critical to be sure the disengage rod has returned to the “out” position before reinstalling the disengage cap.

The T-630 may be towed from either the front or rear, using appropriate gauge chains and/or hooks attached to the lift points (both right and left sides, forward or rear) pictured on page 3. With a full load of concrete, the towing weight of a T-630 will be approximately 52,000 lbs (23.6 metric tons.)

If immobilized for any reason, the pouring chute of the T-630 may be moved back to the travel position by being pushed or pulled into place with a fork lift, loader, or similar large equipment. If you must reposition the chute in this manner, be sure to use planks or wood blocking to protect the chute from damage by the equipment pushing or pulling the chute into position.

- WARNING**
- Do not attempt to use a loader bucket or any other lifting equipment under the frame of the T-630 to either push or tow the T-630.
 - Never use any kind of equipment to push against the rear frame of the T-630.

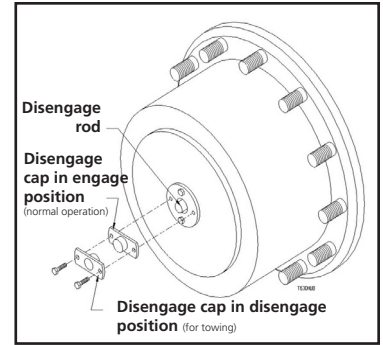


Figure A

T-630 Hydraulic Fluid

MOBILFLUID® 424 or equivalent.

HIGH PERFORMANCE TRACTOR HYDRAULIC/TRANS FLUID

Approved against specifications

JOHN DEERE J20C

FORD NEW HOLLAND M2C134D

MASSEY FERGUSON M1135, M1141

ALLISON C-4 (AGRICULTURE APPLICATIONS)

VOLVO BM

WHITE NEW IDEA Q-1802, Q-1826

DENNISON HF-0, HF-1, HF-2

SAUER SUNDSTRAND

KUBOTA UDT

AGCO POWERFLUID 821XL

CATERPILLAR 10-2

CLARK

SUNDSTRAND HYDROSTATIC

ZF TE-ML06

PROPERTIES:

Gravity, API (1) 28.0

Flash Point F Min. 380

Viscosity, cP at 0 F Max. (2) 4,500

Viscosity, cSt at 100 C 8.9-9.4

Viscosity, SUS at 100 F (1) 310

Viscosity, SUS at 210 F 56-58

Viscosity Index, Min. 130

Pour Point, F Max. -30

Sulfated Ash, % 1.4-1.7

Foam Test (3) Pass

Pounds per Gallon (1) 7.46

		Kawasaki Hosing - Sun Manifold w/Load Sense				
		Hose & Ends Aeroquip Part Numbers				
	Number	Routing	Length	Hose	End	End
1	81915-09-7	Manifold 1 - Drain To Tank	234	HH-GH781-8	HF-1AA8FR8	HF-1AA8FR8
2	81916-09-1	Manifold Load Sense to Kawasaki Load Sense	234	HH-GH781-4	HF-1AA4FR4	HF-1AA4FR4
3	81916-09-3	Kawasaki Case Drain to Tank	25	HH-GH781-12	HF-1AA12FR12	HF-1A16FLB12
4	81917-08-1A	Manifold 8 to Swing Motor Bottom	126	HH-GH781-8	HF-1AA8FR8	HF-1AA8FR8
5	81917-08-1B	Manifold 9 to Swing Motor Top	126	HH-GH781-8	HF-1AA8FR8	HF-1AA8FR8
6	81918-08-1	Wheel Motor - Left Side - Drain to Eaton Pump	21	HH-GH781-12	HF-1AA12FR12	HF-1AA12FRB12
7	81919-08-1	Wheel Motor - Right Side - Drain to Eaton Pump	27	HH-GH781-12	HF-1AA12FR12	HF-1AA12FRB12
8	81923-09-1	Kawasaki Pump To Sun Manifold	192	HH-GH493-24	HF-1AV24FR24	HF-1AV24FR24
9	81924-08-1	Eaton Pump Drain to Oil Cooler	72	HH-GH781-12	HF-1AA12FR12	HF-1AA12FR12
10	81924-09-2	Manifold 20 To Steering Pressure In Port	78	HH-GH781-10	HF-1AA10FRB10	HF-1AA10FR10
11	81924-09-3	Manifold 19 To Steering LS	92	HH-GH781-4	HF-1AA4FR4	HF-1AA4FRB4
12	81924-09-5	Steering Valve Return To Manifold 22	66	HH-GH781-10	HF-1AA10FR10	HF-1AA10FR10
13	81927-08-1A	Eaton Pump Right Side to Rear Left Wheel Mtr	30.5	HH-FC136-16	HF-1BA16FR16	HF-1BA16FR16
14	81927-08-1B	Eaton Pump Left Side to Front Right Wheel Mtr	30.5	HH-FC136-16	HF-1BA16FR16	HF-1BA16FR16
15	81930-08-1A	Eaton Pump Left Side to Front Left Wheel Mtr	76	HH-FC136-16	HF-1BA16FR16	HF-1BA16FR16
16	81930-08-1B	Eaton Pump Right Side to Rear Right Wheel Mtr	76	HH-FC136-16	HF-1BA16FR16	HF-1BA16FR16
17	81932-09-1A	Manifold 5 To Auger Motor Top	163	HH-GH781-20	HF-1AV20FR20	HF-1AV20FR20
18	81932-09-1B	Manifold 4 To Auger Motor Bottom	161	HH-GH781-20	HF-1AV20FR20	HF-1AV20FR20
19	81933-09-5	Manifold 21 - Main Return to Tank	240	HH-GH781-24	HF-1AV24FR24	HF-1AV24FL24
20	81934	Air Compressor to Air Tank	116	HH-2807-10	HF-63-190600-10	HF-63-190600-10
21	80941-09-1	Oil Tank To Kawasaki Suction	8	2-1/2" Suction Hose		
22	80902	Throttle Valve to Throttle Switch	345	HH-GH781-4	HF-1AA4FJ4	HF-1AA4FJ4
23	80903A	F-R Valve to F-R Cylinder Lower-Front Port	279	HH-GH781-4	HF-1AA4FJ4	HF-1AA4FJ4
24	80903B	F-R Valve to F-R Cylinder Upper-Back Port	279	HH-GH781-4	HF-1AA4FJ4	HF-1AA4FJ4
25	80905A	Park Brake Valve to Park Brake Chamber	345	HH-GH781-4	HF-1AA4FJ4	HF-1AA4FJ4
26	80905B	Foot Brake Valve to Service Brake Chamber	345	HH-GH781-4	HF-1AA4FJ4	HF-1AA4FJ4
27	80906A	Left Lift Cyl Safety Top R to Right Safety Top L	16	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRB8
28	80906B	Left Lift Cyl Safety Top L to Right Safety Top R	16	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRB8
29	80908-3A	Fuel Line	176	HH-GH781-10	HF-1AA10FJ10	HF-1AA10FJB10
30	80908-3B	Fuel Line	176	HH-GH781-10	HF-1AA10FJ10	HF-1AA10FJB10
31	80909	Air Governor to Air Compressor	33	HH-GH781-4	HF-1AA4FJ4	HF-1AA4FJ4

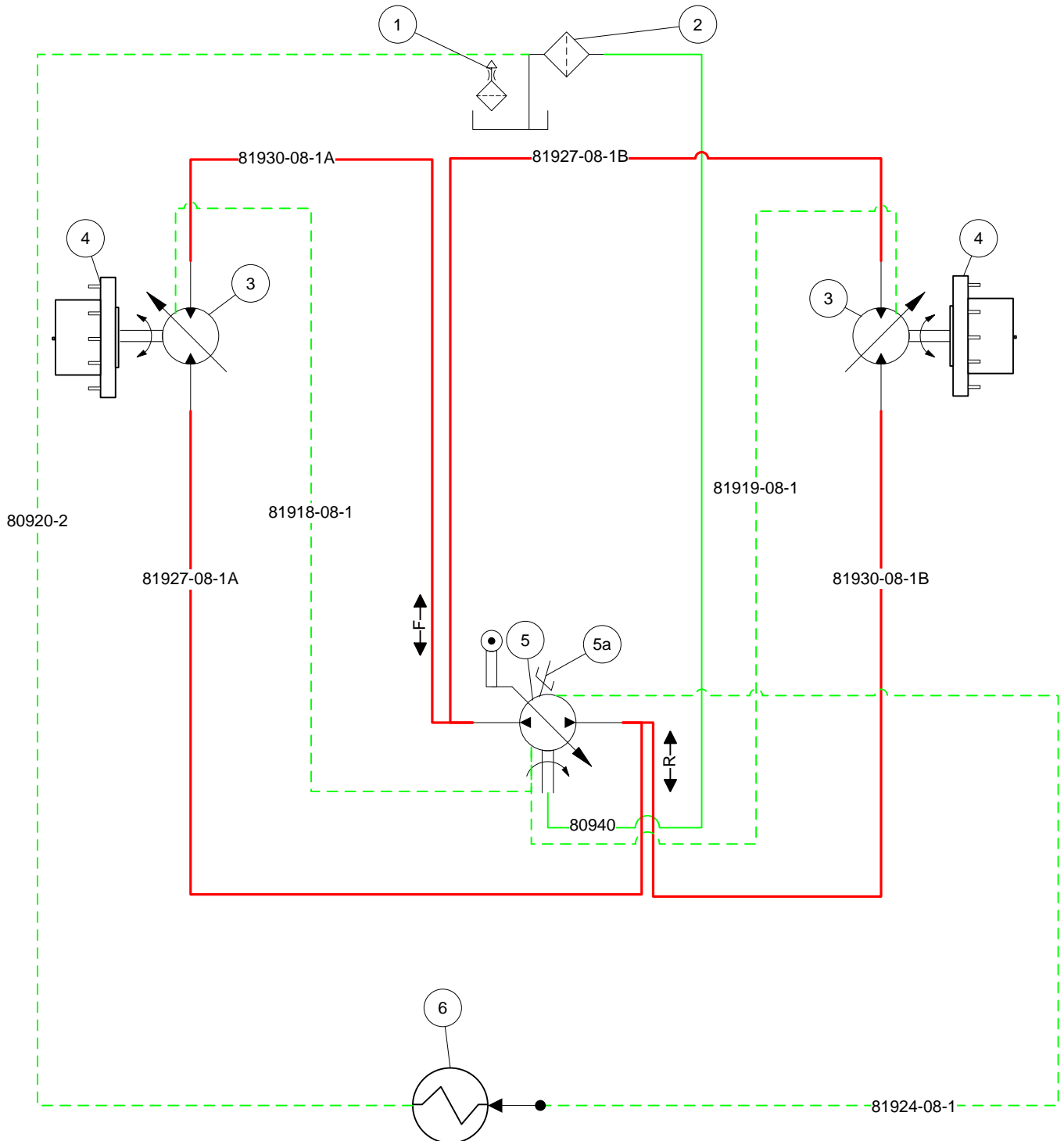
32	80910A	Manifold 10 to Left Lift Cyl Top Right	41.5	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRB8
33	80910B	Maniflod 11 to Left Lift Cyl Top Left	41.5	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRB8
34	80911A	Left Steer Cylinder Rear to Right Steer Front	49	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRB8
35	80911B	Left Steer Cylinder Front to Right Steer Rear	49	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRB8
36	80912	Steering Valve Left Port to Rear Left Steer Cyl	281	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRA8
37	80913	Steering Valve Right Port to Rear Right Steer Cyl	277	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRA8
38	80914	Air Tank Tee to Manifold 30	310	HH-GH781-8	HF-1AA8FJ8	HF-1AA8FJ8
39	80920-2	Oil Cooler to Tank	101	HH-GH781-12	HF-1AA12FR12	HF-1AA12FR12
40	80921	Right Lift Cyl Safety Block to Cyl Oposite End	24	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRA8
41	80921-1	Left Lift Cyl Safety Block to Cyl Oposite End	25	HH-GH781-8	HF-1AA8FR8	HF-1AA8FRB8
42	80935	Grease Line, Bottom Articulate Pin	19	HH-GH781-4	HF-1AA4FJ4	HF-1AA4MP4
43	80939	Grease Line, Top Articulate Pin	16	HH-GH781-4	HF-1AA4FJ4	HF-1AA4MP4
44	80940	Oil Filter To Eaton Pump	27	1-1/4" Suction		
45	80947	Grease Line, Back Top Turntable	13	HH-GH781-4	HF-1AA4FJ4	HF-1AA4MP4
46	80948	Grease Line, Front Top Turntable	23	HH-GH781-4	HF-1AA4FJ4	HF-1AA4MP4
47	80949	Grease Line, Turntable Center Pin	13	HH-GH781-4	HF-1AA2MP4	HF-1AA4FJ4
48	80961	Grease Line, TT Swing Bearing Upper	13	HH-GH781-4	HF-1AA4FJ4	HF-1AA4MFA4
49	80962	Grease Line, TT Swing Bearing Lower	8	HH-GH781-4	HF-1AA4FJ4	HF-1AA4MFB4
50	651905	Air Tank Tee to Pressure Protection Valve	59	HH-GH781-6	HF-1AA4MP6	HF-1AA8FJ6

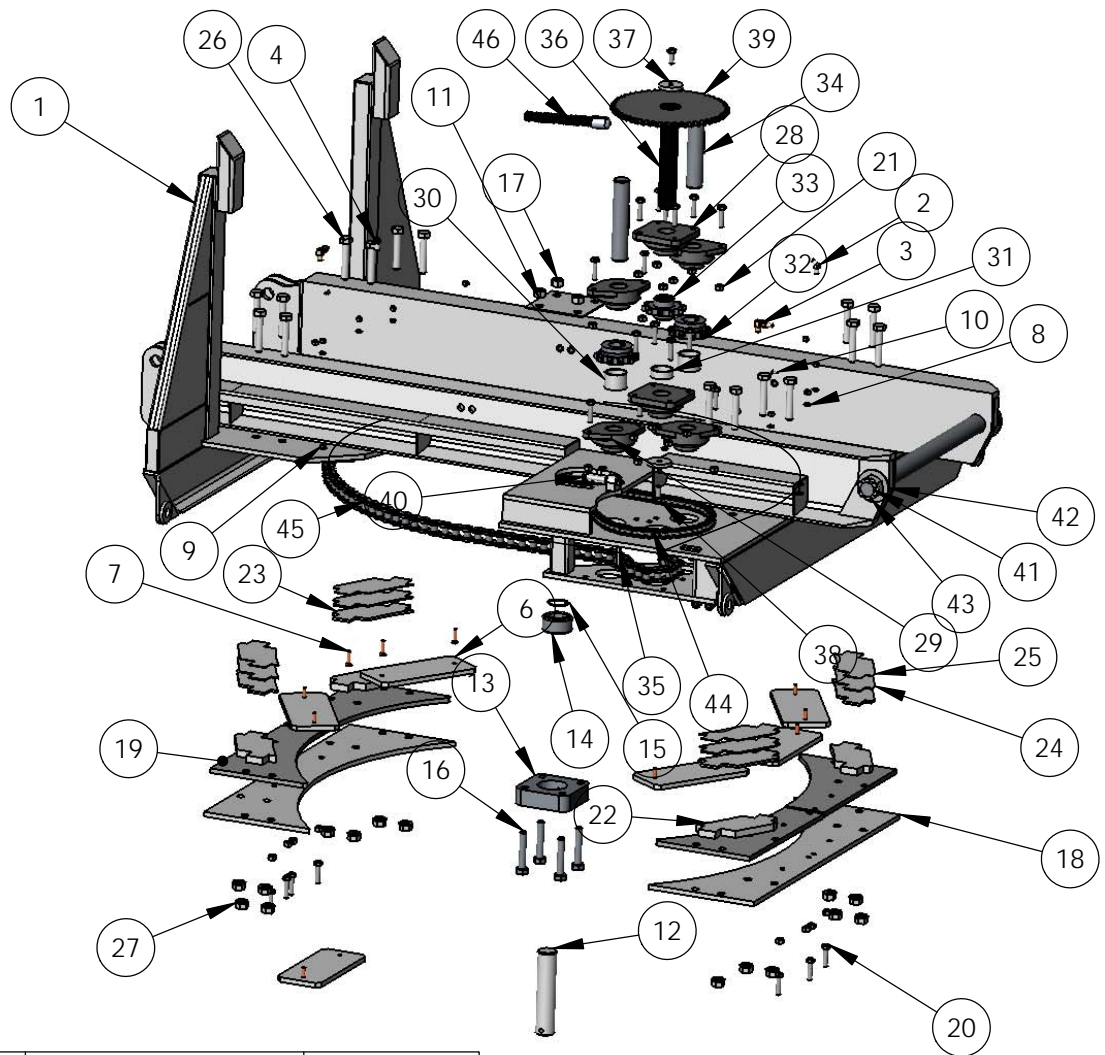
T-630 Eaton 131-Sun Hydraulic Circuit with Load Sense - Starting Serial 11381				
Key	Description	Mfg #	Tucker #	Qty
1	Eaton Pump	PWM 131 - 123AL01363A	80204-4	1
1a	12 VDC Coil Assy	300AA00081A	80202-1-04	1
	Housing, Vickers Two Way	566162	80202-1-06	1
	Cartridge, Vickers Two Way	565546	80202-1-05	1
	Canfield Connector DIN	5103-1090000	80204-04-1L	1
2	Marion Fluid Power Strainer	SU75SF40	80100-1	1
3	Oil Level Indicator		80213-1	1
4	Stauff Filter Head	SSF-25-25-0	80101-2	1
	Stauff Replacement Spin-On Filter	SF6707-MG	80101-2-01	
5	Eaton/Charlynn Steering Valve	233-4005-003	80205-10	1
	Steering Column	204-1002	80205-12	1
	Steering Wheel	209-1014	80208-10	1
6	Charlynn Motor - Swing	104-4071	80103-1	1
7	Tuckerbilt Hydraulic Cylinders	81050	81050	4
	Tuckerbilt Cylinder Seal Kit	81050-01	81050-01	
8	Vickers Counter Balance:			3
	Housing	35415A CBV	80215B	3
	Cartridge	CBV110C0A30	80215C	3
9	Charlynn Motor - Auger	119-1030F064146018	80102	1
10	Sun Manifold Assembly w-A/C & Oil Cooler		80240-1	1
	Sun Cartridge - Priority Modulating Element	LHJA-XFN	80240-A	1
	Sun Cartridge - Relief @ 2500 PSI	RPGC-LAN	80240-B	1
	Sun Cartridge, 3-Way Solenoid Op Directional Spool	DMDA-XNN-912	80240-C	1
	Sun Cartridge, 4-Way, 3 Pos, Pilot To Shift	DCEC-XYN	80240-D	1
	Sun Cartridge, 2-Way Poppet Directional Valve	DFDB-8DN	80240-E	1
	Sun Cartridge, Fixed 12GPM, Pres Comp Flow Cont.	FXEA-XAN-12	80240-F	1
	Sun Cartridge, Fixed 24GPM, Pres Comp Flow Cont.	FXEA-XAN-24	80240-G	1
	Sun Cartridge, Fixed 17GPM, Pres Comp Flow Cont.	FXEA-XAN-17	80240-H	1
	Sun Cartridge, Back-to-back Check/Shuttle Valve	CDAD-XBN	80240-I	5
	Sun Cartridge, Adj Pres Comp Flow Ctrl 1-6 GPM	FDBA-LAN	80240-J	2
	Sun Cartridge, Fixed 3 GPM, Pres Comp Flow Cont.	FXCA-XAN-3	80240-K	1
	Sun Cartridge, Fixed 5 GPM, Pres Comp Flow Cont.	FXCA-XAN-5	80240-L	1
	Sun Cartridge, 4-Way, 3-Pos Solenoid Op Directional	DNDC-XCN	80240-M	1
	Sun Cartridge, 4-Way, 3-Pos Solenoid Op Directional	DNDC-XYN	80240-N	1
	Sun Cartridge, Normally Open Modulating Element	LPDC-XHN	80240-O	1
	Sun Cartridge, Electro-proportional Flow Control	FPCC-XCN-4A12V	80240-P-1	1
	Sun Cartridge, Single ball Shuttle w/Ext Signal	CSAW-ECN	80240-Q	1
	Sun Cartridge, 2-Way Solenoid N/O	DAAL-XHN-912	80240-R-1	1
	Sun Cartridge, 2-Way Solenoid N/C	DAAL-XCN-912	80240-R	2
	Sun Cartridge, 2-Way Poppet Directional Valve	DFFA-8DN	80240-T	1
11	Sun Counterbalance	CBCA-LCN-YEJ	80241-1	1

T-630 Air Schematic - Starting Serial 08372

Key	Description	Mfg #	Tucker #	Qty
1	Knorr-Bremse Air Compressor	ZZ00901	65575-609	1
2	BW Governer	275491	80609	1
3	Manifold - Aluminum Tee		81304	1
4	BW Safety Valve 150 psi	284142	284142	1
5	BW Draincock	278351	278351	1
6	BW Check Valve	800372	80612	1
7	Air Tank		80610	1
8	ARO Solenoid Valve Assembly			
	ARO 4W2P 1/4 Solenoid Valve	A212SS-000-N	80621	1
	ARO 12VDC/24VAC Coil	116647-38	80622	1
9	BW Brake Valve Assembly	279364	80605	1
10	Williams - Proportional Valve - for Accelerator	WM-453M	80303-1	1
11	Houston Vibrators	BV225IMPSE	81443-04	2
12	Hobbs N/O Switch - 1 for Throttle, and 1 for Backup Alarm	876575-4-2 NO	80604	2
13	Rexroth - Cylinder - for Forward/Reverse	P59833-1000	80300	1
14	Versa Valve - Vibrator Oiler	BIK 2208 P25B	80106	1
15	Auger Valve - Reference Auxillary Hydraulic Schematic			
16	Schroder Valve - Air Vibrators	01521-0439	80442	1
17	Rexroth - 1 for Engine Speed and 1 for Forward/Reverse	P59335	80301	2
18	BW Park Brake Valve	275176	80600	1
19	BW Air Pressure Gauge	225635	80607	1
20	BW Horn Valve	228013	80608-1	1
21	Grover Air Horn	CTX 1601	80608-2	1
22	Midland - Pressure Protection Valve with Filter - Clean Filter Monthly	90554107		
23	Midland - Levelling Valve Kit	42110051		
	Midland Check Valve	90554078		
24	Reyco/Tuthill - Air Suspension Bag	704671-02		2
25	BW QR-1 Quick Release	229813	80611	2
26	Brake Chamber w/Spring Brake	0B3030SB	80320-01	2
27	Sun Manifold		80240-1	1
	BW = Bendix Westinghouse			
	Syn = Synflex or Nylon Pneumatic Tubing			

T-630 Drive Hydraulic Circuit - Starting Serial 11381				
Key	Description	Mfg #	Tucker #	Qty
1	Hydac - Pressurizing Cap - Maintains 5 PSI in Hydraulic Tank	BFP 3 G 10 W 6.0/RV	80212	1
2	Stauff Filter Head	SSF-180-00-0	80107-2	1
	Stauff Replacement Spin-On Filter	SF6707-MG	80101-2-01	
	Donaldson #	P165762		
	Wix #	51847		
3	Eaton Motor - Wheel Drive (3.3 CIPR)	HHD333148H1F	80201-2	2
4	Auburn - Wheel Gearbox 36.82:1	OW3C143611Z	80200-AUBURN	2
5	Eaton Pump - Main Drive (66 GPM) w/4000 PSI POR	ACL10513R1BRRUUOOMBDDDO2FOA000A	80203-2	1
5a	Replacement Neutral Start Switch	990759-000	80203-2-07	
6	Thermal Transfer Heat Exchanger	DHR2491130	80207-1	1
	Replacement Mount Blocks for Heat Exchanger	L84740	80207-02	4

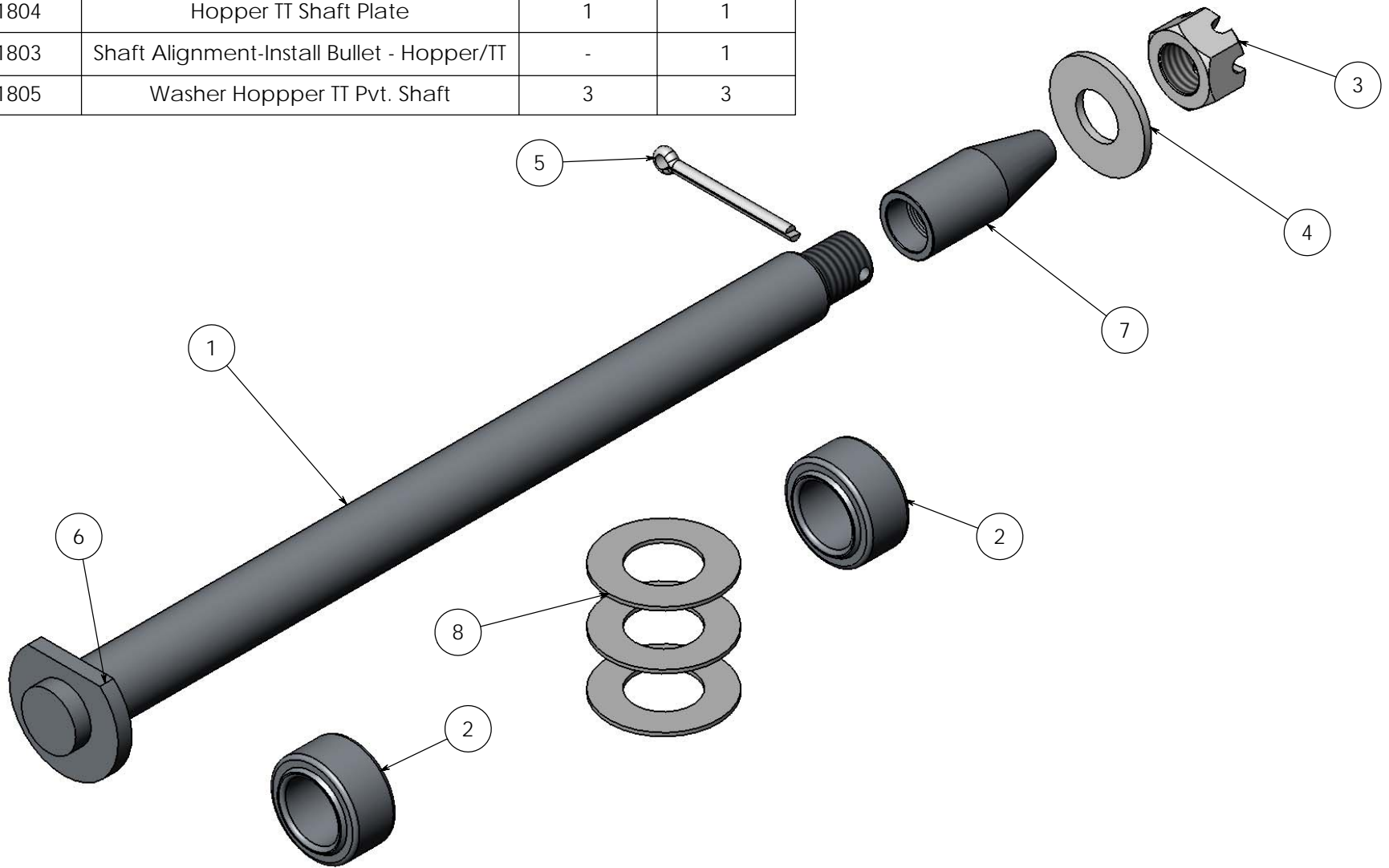




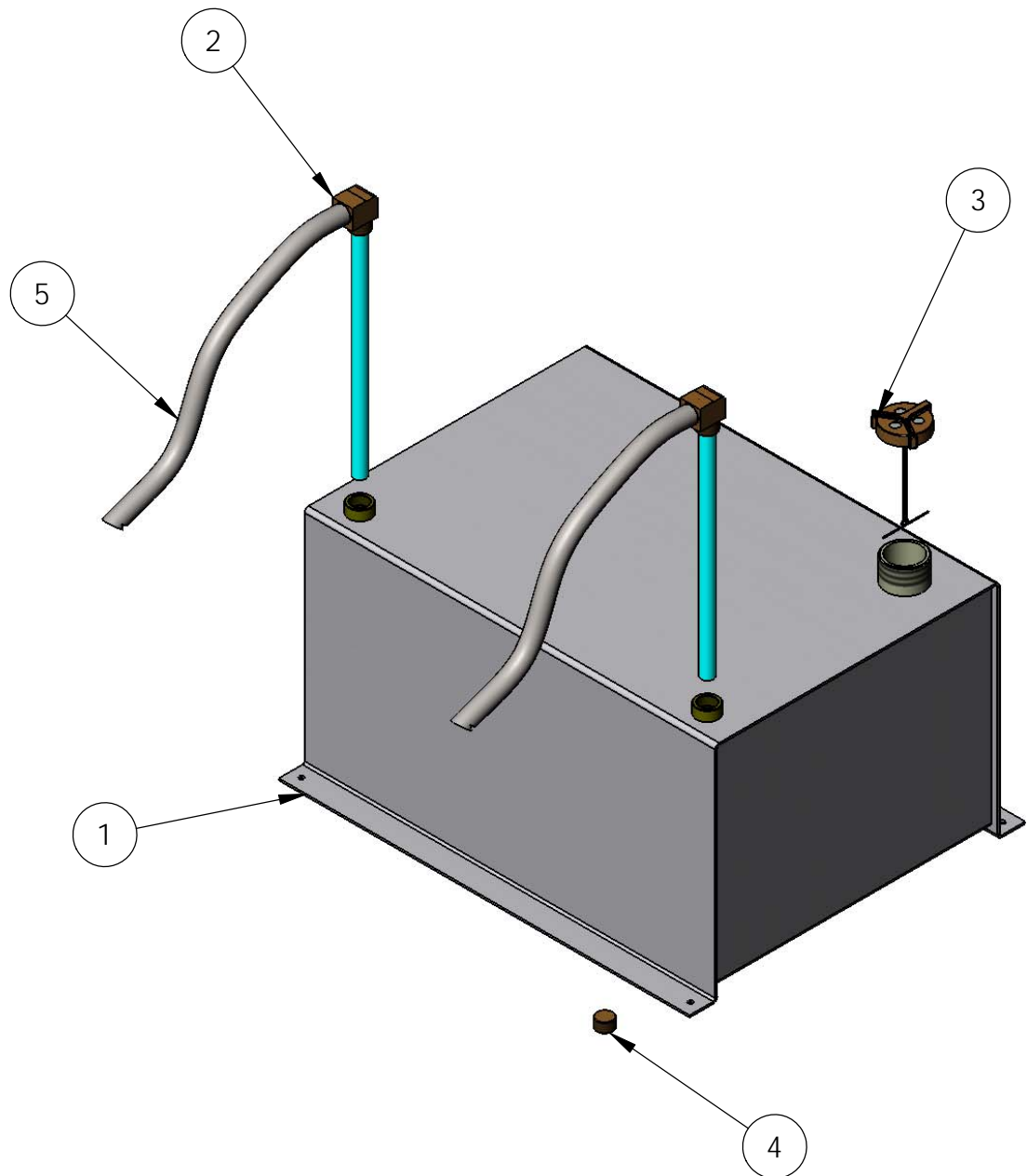
ITEM NO.	PART NUMBER	DESCRIPTION	Manual/QTY.
1	812661	Upper Tt Fab Assembly	1
2	2023-4-4S	Adaptor, Aeroquip	1
3	205102	BW 90 Deg. Elbow 205102	2
4	2024-4-4S	Adaptor, Aeroquip	1
5	14GF-ST	Grease Fitting 1/4" Strt.	3
6	812751	Bearing Nylonon Upper Tt	6
7	80546	3/8-16 X 1 1/2" Brass CS Bolt	12
8	WL-0.375	Washer Lock 3/8	12
9	NU.0.375-16-PL	Nut 3/8-16 (Plated)	12
10	246089	BW Tube Insert 246089	2
11	81229	Up Tt Pivot Brg. Cover	1
12	81265	Shaft Turntable	1
13	81277	Housing Tt Pivot Bearing	1
14	80306	Bearing Hopper Pivot	1
15	Iruarc 5100-200 - S2	Retaining Ring T.t. Ctr. Pl	1
16	CS-HH-0.75-16X4XGR8	Screw Cap Hex: 3/4-16 X 4 Gr8	4
17	NSL-0.75-16	Nut Self Lock : 3/4-16	4
18	81287	Bracket TT Hook Slide	2
19	81253	Bearing Nylonon Hook Slide	4
20	CS-HH-0.5-13X2	Screw Cap Hex: 1/2-13 X 2	24
21	NSL-0.5-13	Nut Self Lock : 1/2-13	25
22	81288	Bracket 3/4 Pl. Spacer Slide	4
23	81289	Bracket 1/4" Pl. Spacer Slide	4
24	81290	Bracket 10 Ga. Spacer Slide	4
25	81296	Bracket 14 Ga. Spacer Slide	4
26	CS-HH-0.75-10X4	Screw Cap Hex: 3/4-10 X 4	16
27	NF-0.75-10	Nut Flanged Lock : 3/4-10	16
28	80502	Bearing Swing Assy. Center	2
29	80501	Bearing Swing Assy.	4
30	81274	Spacer Tt Drive 1-5/8"	2
31	81303	Spacer .8125 Tt Drive	1
32	81306-01	Sprocket 100 Outer-lower Swing	2
33	80408-01	Sprocket Splined Lower Swing	1
34	81295	Shaft Idler Tt Sprocket	2
35	812951	Keystock Tt Idler Shaft	2
36	81305	Shaft 1-3/4 8/16 DP 13 Tooth	1
37	81285	Retainer Swing Shaft Spr.	2
38	CS-HH-0.5-13X1.25	Screw Cap Hex: 1/2-13 X 1 1/4	2
39	80407-01	Sprocket Splined Swing Drive	1
40	812862	Bolt Tt Swing Motor Adj.	1
41	81802	Hopper Tt Shaft Welded	1
42	WF-1.5	Washer Flat 1 1/2	1
43	NC-1.5-12	Nut Castellated : 1 1/2-12	1
44	81293	Tt Chain Kit (#60)	1
45	81292-01	Chain Kit Tt(#100)	1
46	81291-01	Bolt Tt 100 Chain Adj.	2
47	100CONL	#100 Connection Link	1

UPPER TURNTABLE

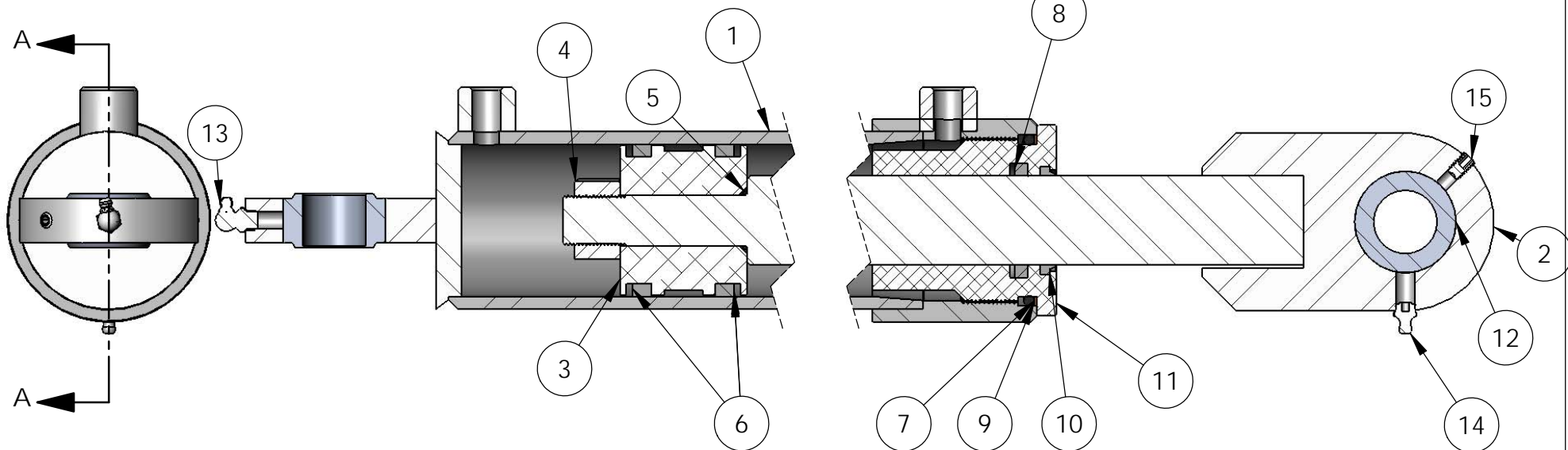
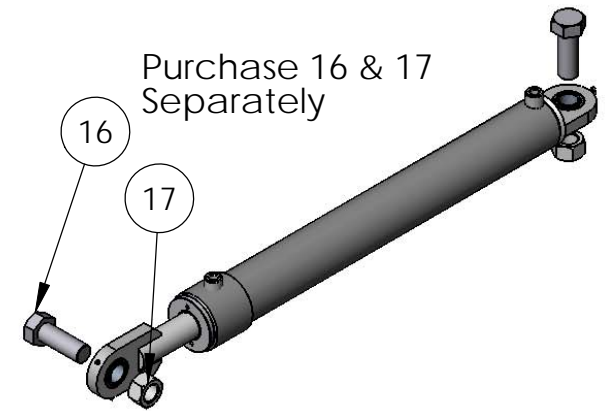
ITEM NO.	PART NUMBER	DESCRIPTION	81802R/QTY.	81802A/QTY.
1	81802	Hopper Tt Shaft Welded	1	1
2	80306	Bearing Hopper Pivot	2	2
3	NC-1.5-12	Nut Castellated : 1 1/2-12	1	1
4	WF-1.5	Washer Flat 1 1/2	1	1
5	38-4CP	Pin Cotter 3/8 X 4	1	1
6	81804	Hopper TT Shaft Plate	1	1
7	81803	Shaft Alignment-Install Bullet - Hopper/TT	-	1
8	81805	Washer Hopper TT Pvt. Shaft	3	3



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	65850	Aluminum Fuel Tank Assembly	1
2	81034-1	Fuel Tank 3/4" Stainless Drop Assembly	2
3	80620	Gas Cap Fuel Tank 2"	1
4	TB50785K116	HEX SOCKET BRASS PLUG - 3/4"	1
5	80908-3 (A&B)	Fuel Hose	2

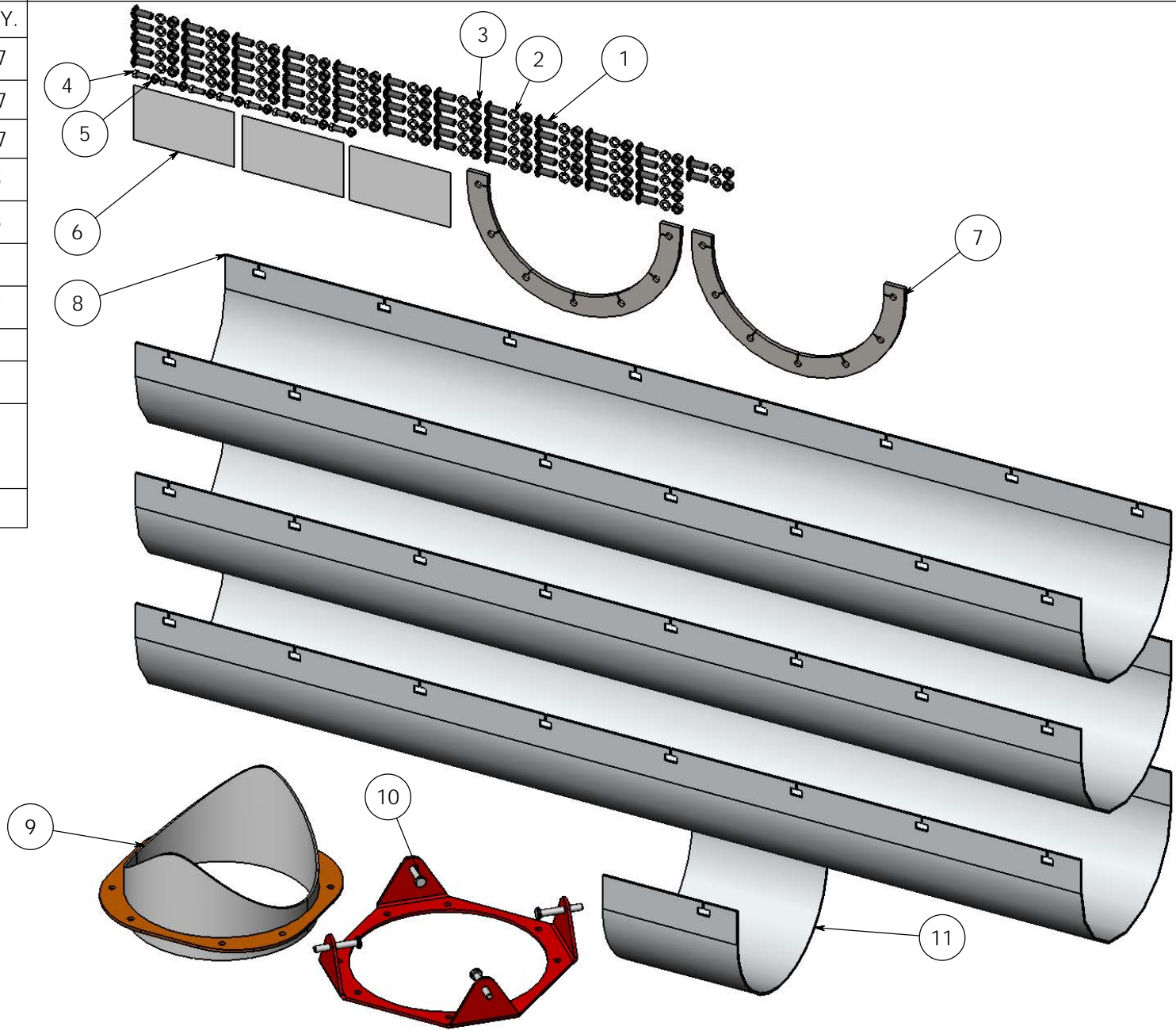


ITEM NO.	PART NUMBER	DESCRIPTION	81050 Includes	QTY
1	8105424	Cylinder (hyd.) Welded 24" T-630	1	1
2	8105324	T-630 Cyl Rod 24" Welded	1	1
3	81052	Piston Hyd. Cyl. T-630	1	1
4	NSL-1-14	Nut Self Lock 1-14	1	1
5	568-022	O Ring	1	1
6	U25-2.50-37B	Piston Polypak	2	2
7	568-337	O Ring	1	1
8	U25-1.75	Poly Pak	1	1
9	575-337	Backing Ring	1	1
10	ST175	Wiper	1	1
11	81051	T-630 Cylinder Head	1	1
12	80500	Bearing T-630 Hyd. Cyl.	2	2
13	18GF-90	90 Deg 1/8 Grease Fitting	1	1
14	18GF-ST	1/8 Straight Grease Fitting	1	1
15	SS-0.3125-18X0.5	Screw Set: 5/16-18 X 1/2	2	2
16	CS-HH-1.25-12X3.5	Screw Cap Sae 1.25 X 3.5 Gr8	-	2
17	NSL-1.25-12	Nut Self Lock 1.25	-	2

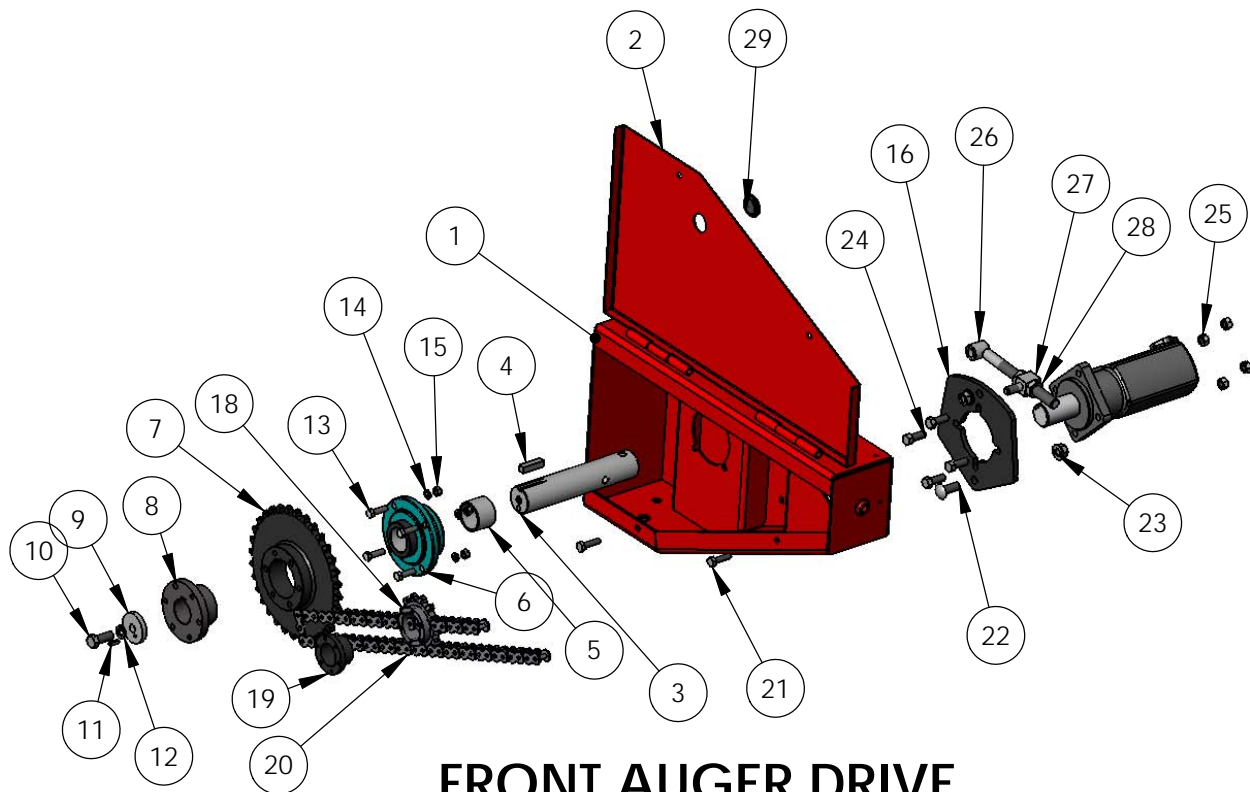


81050-01 for complete seal kit

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CB-0.5-13X1.5	Bolt Carriage 1/2-13 X 1 1/2	57
2	WL-0.5	Washer Lock 1/2	57
3	NU-0.5-13-PL	Nut 1/2-13 (Plated)	57
4	38-1CS	Screw Cap .375 X 1	8
5	NF-0.375-16	Nut Flanged Lock : 3/8-16	8
6	80154	Label Auger Danger	3
7	81524	Flange Chute Bolt	2
8	81525	Chute Skin	3
9	819791	T-630 LM Gate Spout Assy	1
10	8197921A	T-630 LM Chute Valve Funnel Adapter Assy	1
11	81525-12	Chute Skin 12" Section	1



Kit: 81990-12



FRONT AUGER DRIVE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	81977-1	Front Auger Drive Housing Assy	1
2	81977-2	Front Auger Drive Cover Assy	1
3	81977-3	Front Drive Auger Drive Shaft	1
4	81977-3KEY	Front Drive - Shaft Key	1
5	81977-4	Front Drive Shaft Spacer	1
6	80305	Bearing Auger	1
7	80405A	Sprocket Auger Shaft	1
8	80405B	Bushing Auger Shaft Spr.	1
9	81029	Washer Idler Shaft	1
10	CS-HH-0.75-10X2	Screw Cap Hex: 3/4-10 X 2	1
11	38-1TP	Tension Pin 3/8 X 1	1
12	WL-0.75	Washer Lock 3/4	1
13	CS-HH-0.5-13X1.75	Screw Cap Hex: 1/2-13 X 1 3/4	4
14	WL-0.5	Washer Lock 1/2	4
15	NU-0.5-13-PL	Nut 1/2-13 (Plated)	4
16	81459	Plate Auger Motor Mount	1
17	80102	Motor Auger	1
18	80404A	Sprocket Auger Motor	1
19	80404B	Bushing Auger Mtr. Spr.	1
20	81807	Chain Kit Auger (26 Links #100)	1
21	12-2FTB	Fast Thread Bolt .5 X 2	2
22	CB-0.75-10X2	Bolt Carriage 3/4-10 X 2	1
23	NF-0.75-10	Nut Flanged Lock : 3/4-10	2
24	CS-HH-0.625-18X1.75XGR8	Screw Cap Hex: 5/8-18 X 1 3/4 Gr 8	4
25	NSL-0.625-11	Nut Self Lock : 5/8-11	4
26	81977-6	Front Drive Motor Adj Bolt Assy	1
27	81977-7	Front Auger Drive Motor Adj Block	1
28	NJ-1-8	Nut Jam : 1-8	2
29	80216	Plug Auger Chain Insp.	1

BUSHING INSTALLATION INSTRUCTIONS

IMPORTANT: DO NOT USE LUBRICANTS IN THIS INSTALLATION

TO INSTALL BUSHING:

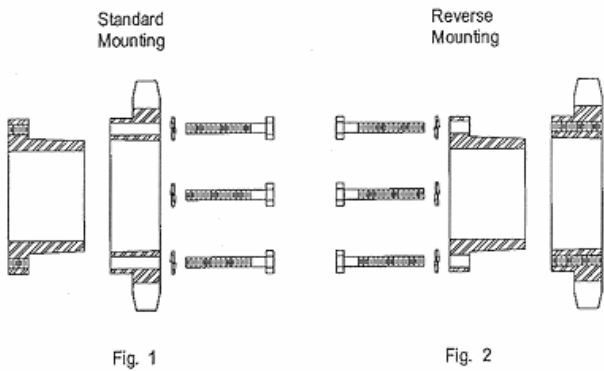
1. Remove all paint, oil, grease, etc. from tapered surface of bushing and bore of mating parts.
2. If bushing has a keyway, install shaft key. (If a rectangular key is required, one will be furnished with the bushing.)
3. Select **Standard** or **Reverse** mounting assembly. See Figures 1 and 2.

Note: If bushing does not slide on shaft freely, wedge a screwdriver blade into the saw cut at the Flange OD to open the bore of the bushing. Caution: Excessive wedging will split the bushing.

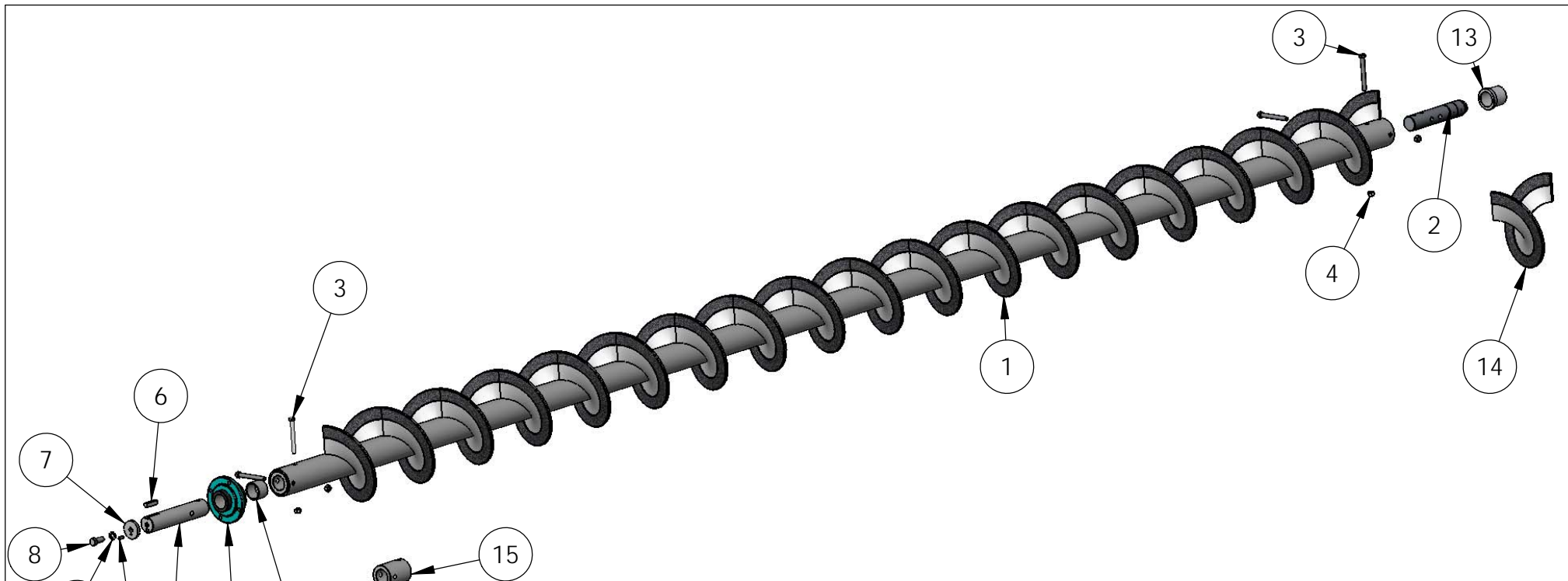
4. **Standard Mount** – Slide bushing on shaft, flange first. If using the setscrew, gently snug it against the key. **DO NOT TIGHTEN SET SCREW TIGHT YET, Excessive Torque will cause mating part to be eccentric.** Position mating part in place on bushing Aligning drilled holes in mating part with tapped holes in bushing flange. Using lockwashers, install capscrews thru the mating hub and into the bushing flange. (**Note:** M thru S bushings can only be Standard Mounted. Be sure the two tapped holes in the mating hub **do not** align near the bushing saw cut. If they Do, rotate the bushing 90 degrees).
5. **Reverse Mount** – Place mating part over and onto shaft as far as possible with large bore end of taper outward . Slide bushing onto shaft so tapered end will engage into the mating part. If using the setscrew, gently snug it against the key. **DO NOT TIGHTEN SET SCREW TIGHT YET, Excessive Torque will cause mating part to be eccentric.** Align drilled holes in bushing flange with tapped holes in mating part. Using lockwashers, install the capscrews thru the bushing flange and into the mating hub.
6. **Use a Torque Wrench.** Tighten all capscrews evenly and progressively in rotation to the torque value listed in the table. **Excessive wrench torque, closing the gap between the bushing flange and mating hub, or the use of lubricants will break the mating hub.**

To Remove Bushing:

1. Loosen and remove all capscrews.
2. For **Standard Mount**, thread capscrews into tapped holes in mating part to jack against bushing flange. For **Reverse Mount**, thread capscrews into tapped holes in bushing flange to jack against mating hub. Tighten bolts evenly and progressively in rotation to separate the two components.
3. Loosen setscrew to slide bushing from shaft.

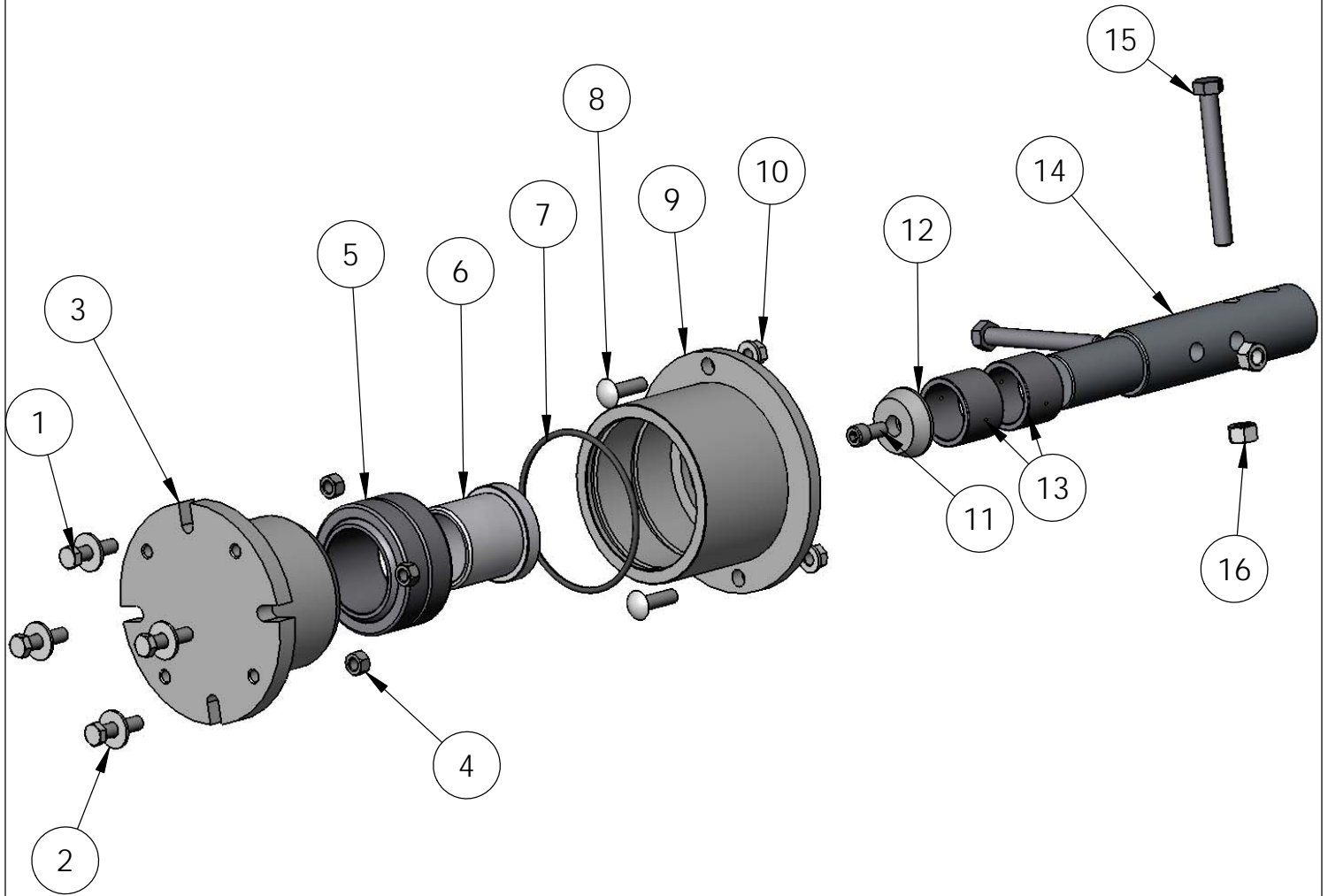


Screw Tightening Information		
Tapered Bushing	Size & Thread of Capscrew	Ft-Lbs to apply with Torque Wrench
SK	5/16-18	15 (180 in)
E	1/2-13	60



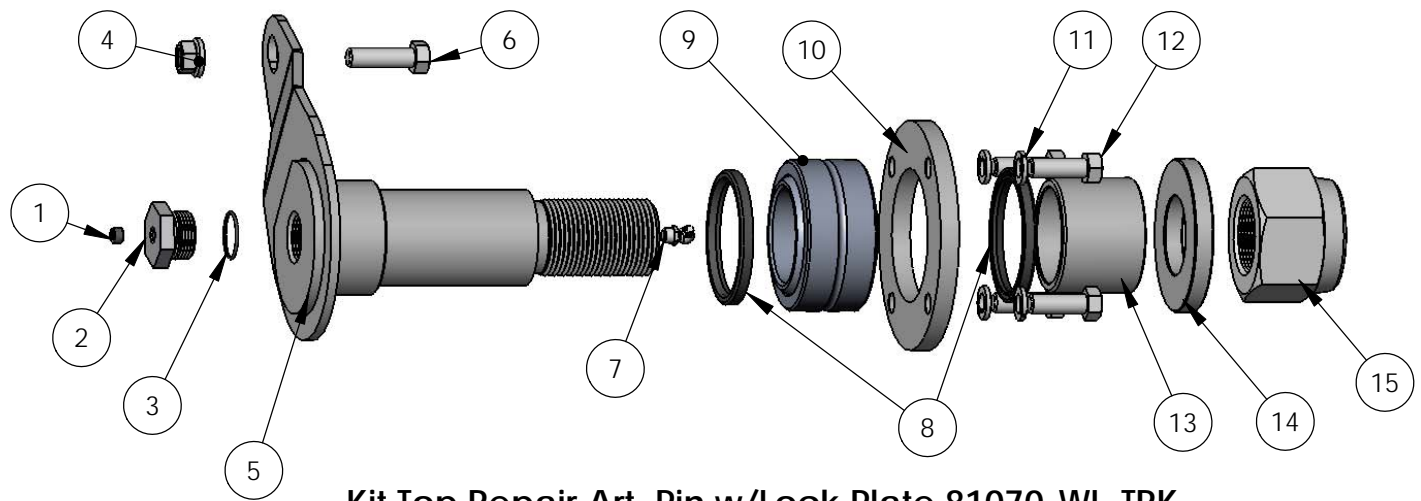
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	81020K-02	Auger Pipe 22' w/Flights Welded	1
2	81977-9	Front Drive - Rear Idler Shaft	1
3	58-512CS8	Bolts Auger	4
4	NSL-0.625-11	Nut Self Lock : 5/8-11	4
5	81977-3	Front Drive Auger Drive Shaft	1
6	81977-3KEY	Front Drive - Shaft Key	1
7	81029	Washer Idler Shaft	1
8	CS-HH-0.75-10X2	Screw Cap Hex: 3/4-10 X 2	1
9	38-1TP	Tension Pin 3/8 X 1	1
10	81977-4	Front Drive Shaft Spacer	1
11	WL-0.75	Washer Lock 3/4	1
12	80305	Bearing Auger	1
13	80313	Rear Auger Seal - Composite Brg	1
14	81028	Flights W/ Hard Surface	1
15	81027D	Pipe Sleeve Auger Drilled	1

I:\Solidworks\Part\T-630\81020K-02\81020K-02M dlg 7/11/2008 Auger & Components



81977-12 FRONT DRIVE REAR BEARING HOUSING KIT

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CS-HH-0.5-13X2	Screw Cap Hex: 1/2-13 X 2	4
2	WF-0.5	Washer Flat 1/2	4
3	81977-11	Front Drive - Rear Bearing Housing	1
4	NSL-0.5-13	Nut Self Lock : 1/2-13	4
5	80312	Rear Auger Seal - Bearing	1
6	80313	Rear Auger Seal - Composite Brg	1
7	568-357	O-ring 568-357	1
8	CB-0.5-13X1.75	Bolt Carriage 1/2-13 X 1 3/4	2
9	81977-8	Front Drive - Rear O-Ring Housing	1
10	NF-0.5-13	Nut Flanged Lock : 1/2-13	2
11	CS-SH-0.5-13X1	Screw Cap Skt.: 1/2-13 X 1	1
12	81977-10	Front Drive - Rear Idler Shaft Bullet	1
13	80311	Rear Auger Seal - Inner Ring	2
14	81977-9	Front Drive - Rear Idler Shaft (11-14)	1
15	58-512CS8	Bolts Auger	2
16	NSL-0.625-11	Nut Self Lock : 5/8-11	2



Kit Top Repair Art. Pin w/Lock Plate 81070-WL-TRK

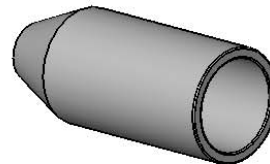
ITEM NO.	PART NUMBER	DESCRIPTION	Top Repair Kit w-Lock Plate/QTY.
1	2222-2S	1/8" NPT Plug-Aeroquip 2222-2S	1
2	81070-10	Articulate Shaft Thread Plug	1
3	568-024	O-Ring 568-024	1
4	NF-0.5-13	Nut Flanged Lock : 1/2-13	1
5	81070-WL	Pin Articulate with Lock Plate	1
6	CS-HH-0.5-13X1.75	Screw Cap Hex: 1/2-13 X 1 3/4	1
7	18GF-90	90 Deg 1/8 Grease Fitting	1
8	80505	Seal Articulate Pin	2
9	80304	Bearing Articulate	1
10	81124	Retainers Top Bearing	1
11	WL-0.5	Washer Lock 1/2	4
12	CS-HH-0.5-13X1.5	Screw Cap Hex: 1/2-13 X 1 1/2	4
13	81075	Spacer Articulate Pin	1
14	81076	Washer Articulate Pin	1
15	NSL-2-8	Nut Self Lock : 2-8	1

Note: Not part of Repair Kit



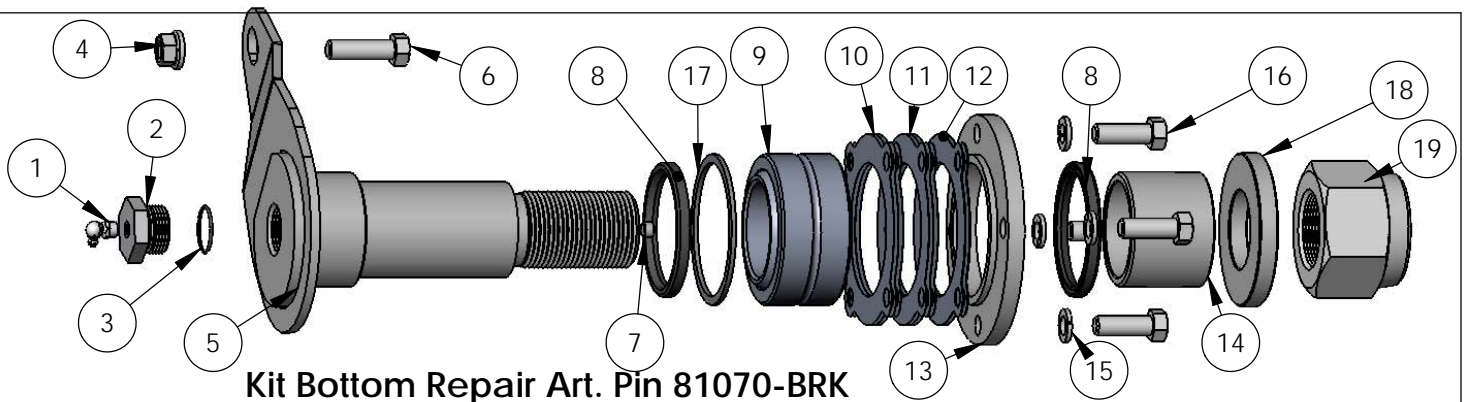
Articulate Brg Install Tool

80170-02



Pin Articulate Alignment Tool

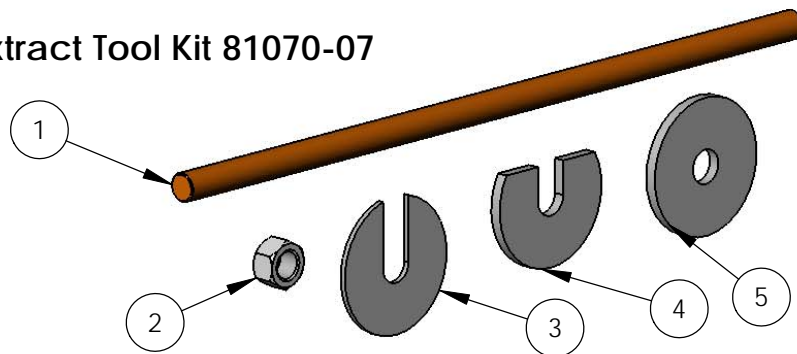
81070-01



Kit Bottom Repair Art. Pin 81070-BRK

ITEM NO.	PART NUMBER	DESCRIPTION	Bottom Repair Kit w- Lock/QTY.
1	18GF-90	90 Deg 1/8 Grease Fitting	1
2	81070-10	Articulate Shaft Thread Plug	1
3	568-024	O-Ring 568-024	1
4	NF-0.5-13	Nut Flanged Lock : 1/2-13	1
5	81070-WL	Pin Articulate with Lock Plate	1
6	CS-HH-0.5-13X1.75	Screw Cap Hex: 1/2-13 X 1 3/4	1
7	2222-2S	1/8" NPT Plug-Aeroquip 2222-2S	1
8	80505	Seal Articulate Pin	2
9	80304	Bearing Articulate	1
10	80307	.005 Shim, Timkin #K21605	3
11	80308	.007 Shim Timkin # K21607	3
12	80309	.020 Shim, Timkin # K21620	2
13	81125	Retainers Bottom Bearing	1
14	81075	Spacer Articulate Pin	1
15	WL-0.5	Washer Lock 1/2	4
16	CS-HH-0.5-13X1.5	Screw Cap Hex: 1/2-13 X 1 1/2	4
17	81078	Spacer Articulating Bearing	1
18	81076	Washer Articulate Pin	1
19	NSL-2-8	Nut Self Lock : 2-8	1

Articulate Pin Extract Tool Kit 81070-07



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	81070-03	Articulate Pin Extract Rod	1
2	NSL-1.25-12	Nut Self Lock 1 1/4-12	1
3	81070-04	Articulate Pin Extract Shim 1/4"	1
4	81070-05	Articulate Pin Extract Shim 1/2"	1
5	81070-06	Artuculate Pin Extract Pull Washer	1

5 4 3 2 1

C

C

B

B

A

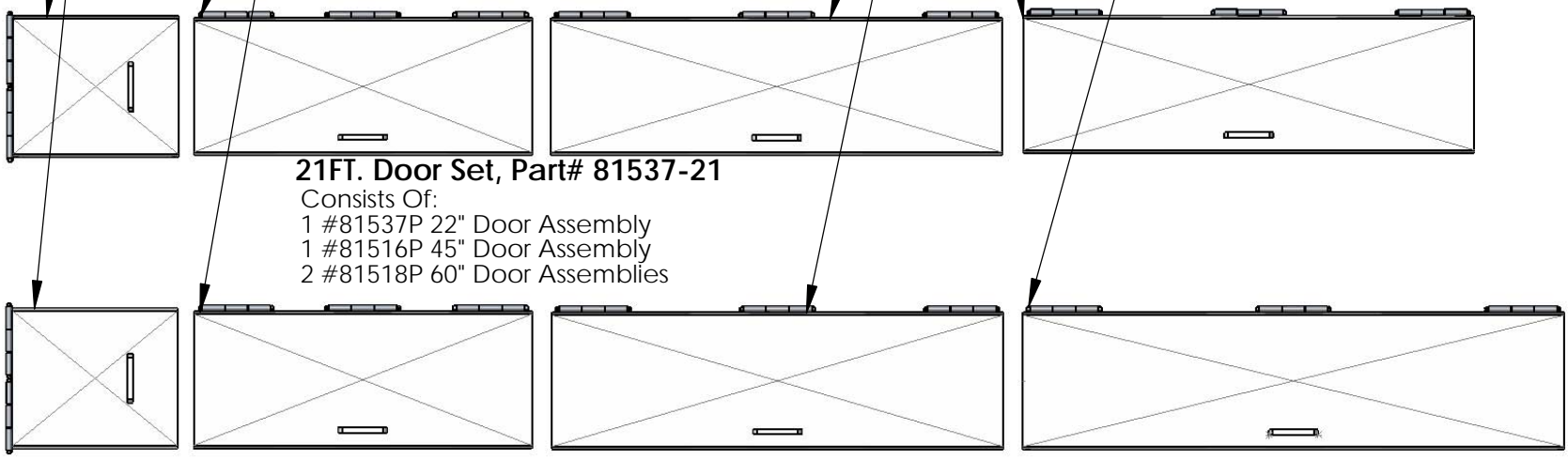
A

81537P
Chute Door Assy. #1 Painted
 Consists of:
 4 ea. #532-34TP Tension Pins
 2 ea. #81535 Hinge Shafts
 4 ea. #81536 Hinge Tubes
 1 ea. #81537 22" Door Assembly

81518P
Chute Door Assy. #3 Painted
 Consists of:
 6 ea. #532-34TP Tension Pins
 3 ea. #81535 Hinge Shafts
 6 ea. #81536 Hinge Tubes
 1 ea. #81518 60" Door Assembly

81516P
Chute Door Assy. #2 Painted
 Consists of:
 6 ea. #532-34TP Tension Pins
 3 ea. #81535 Hinge Shafts
 6 ea. #81536 Hinge Tubes
 1 ea. #81516 45" Door Assembly

81518-12P
Chute Door Assy. #2 Painted
 Consists of:
 6 ea. #532-34TP Tension Pins
 3 ea. #81535 Hinge Shafts
 6 ea. #81536 Hinge Tubes
 1 ea. #81518-12 72" Door Assembly



21FT. Door Set, Part# 81537-21
 Consists Of:
 1 #81537P 22" Door Assembly
 1 #81516P 45" Door Assembly
 2 #81518P 60" Door Assemblies

22 FT. Door Set, Part# 81537-22
 Consists Of:
 1 #81537P 22" Door Assembly
 1 #81516P 45" Door Assembly
 1 #81518P 60" Door Assembly
 1 #81518-12P 72" Door Assembly

80532 Pony Clamp
 11 ea. per Set

81575 Threaded Pipe
 11 ea. per set

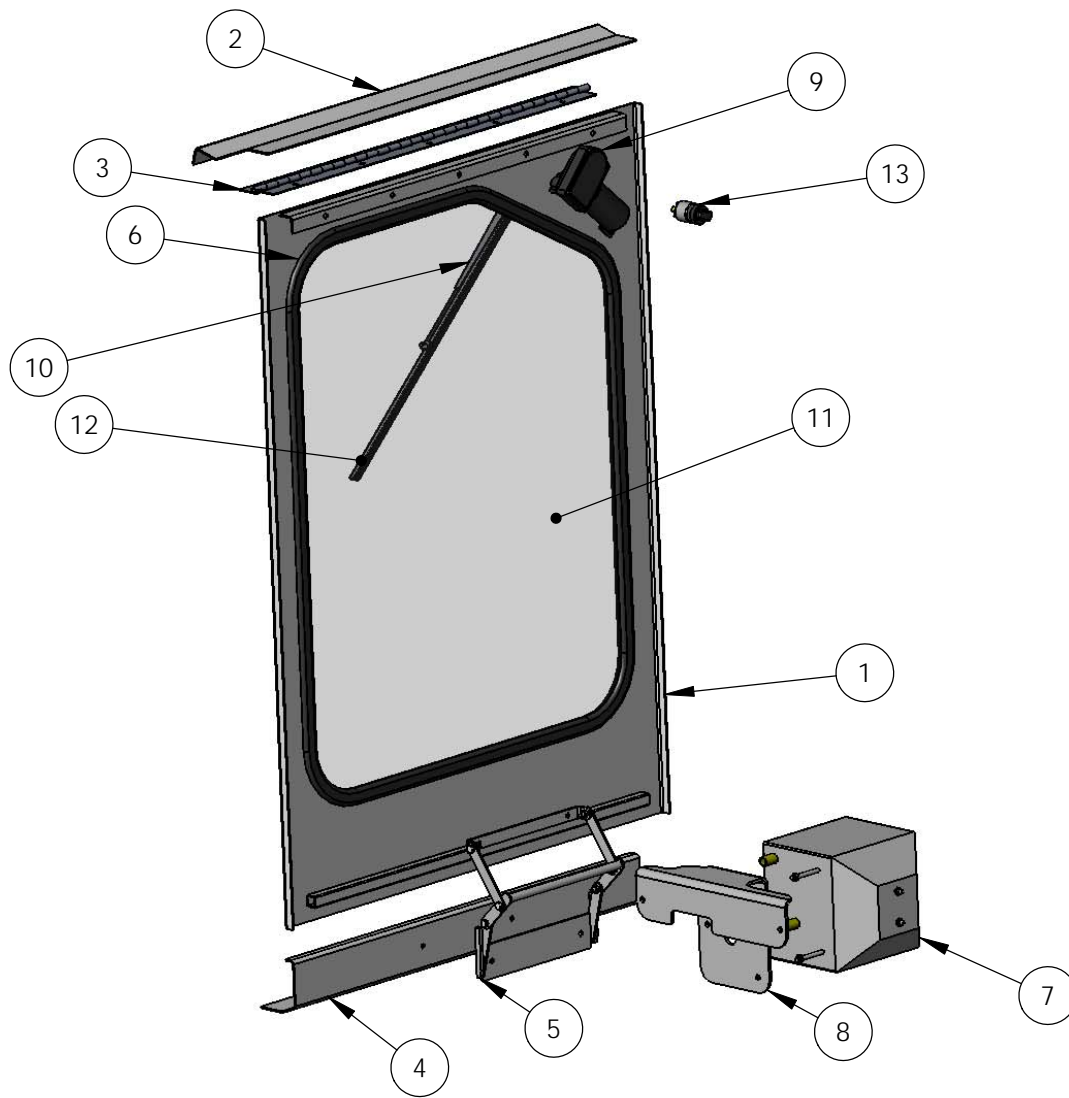


81537-22	DR. BY FEW
T-630	DATE 1/11/2005
Painted Chute Door Kits	Scale: 1"=24"
	81537-21 & 81537-22



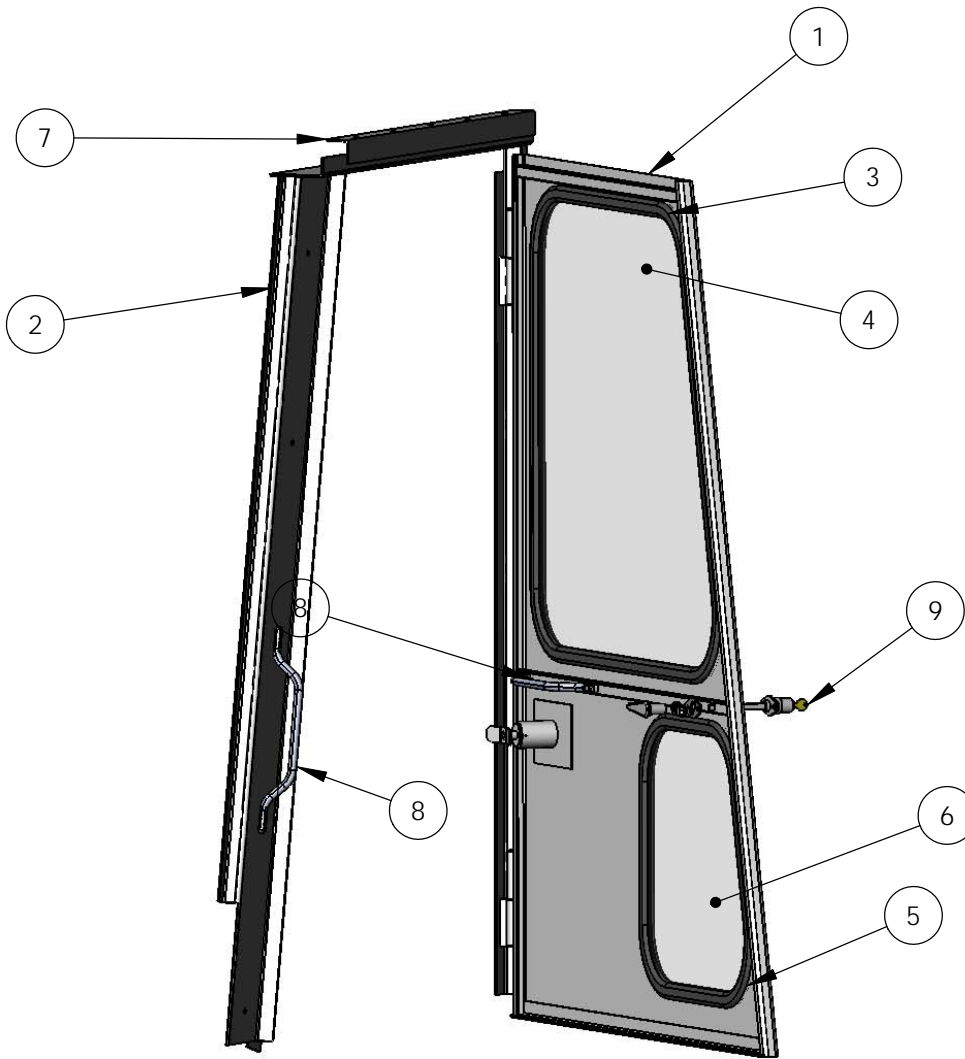
MACHINE & STEEL
 SERVICE INC.
 P.O. BOX 492810 LEESBURG, FLA. 34749-2810

5 4 3 2 1



CAB ENCLOSURE - WINDSHIELD

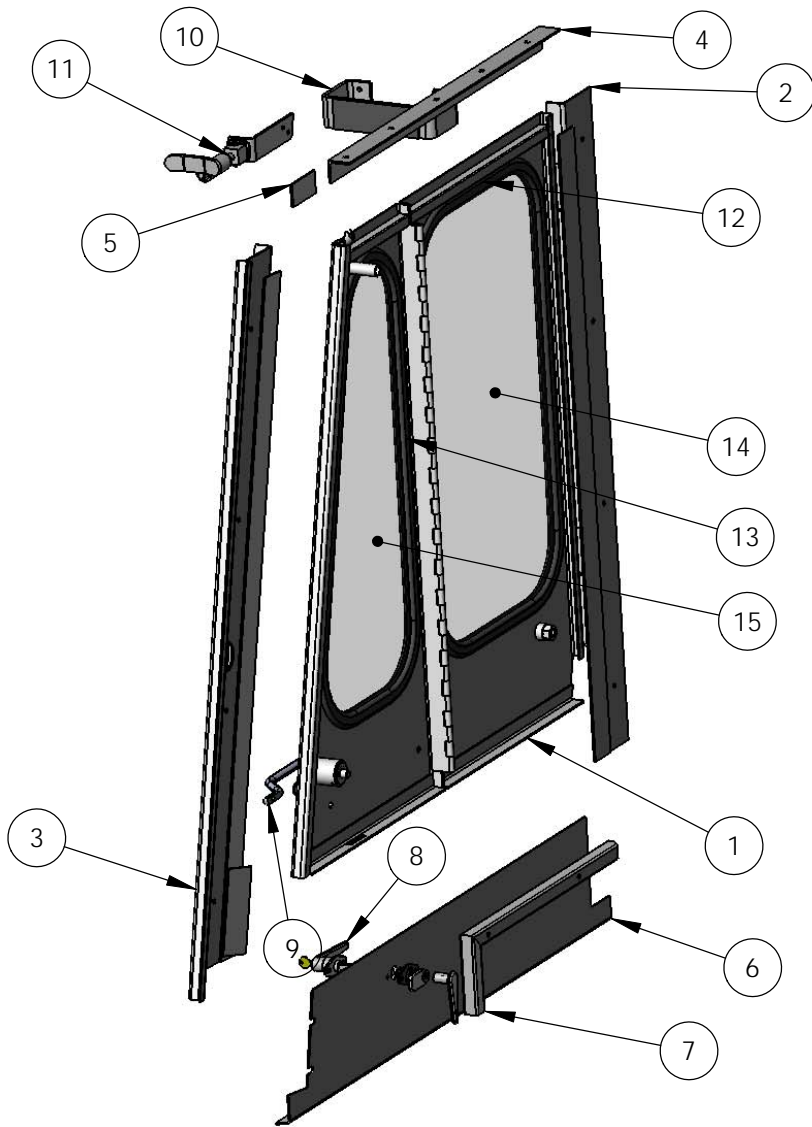
ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY
1	81987-70	Windshield Assy.	1
2	81987-75	Drip Edge Windshield	1
3	81987-74	Hinge Windshield	1
4	81987-76	Panel Lower Windshield	1
5	81987-80	Opener Assy. Windshield	1
6	80991WS	T-630 Cab Glass Weatherstripping	1
7	81995-15	Heater Cab T-630	1
8	81987-119	Bracket Cab Heater Mount	1
9	81995-06	Motor Wiper T-630	1
10	81995-02	Arm Wiper T-630	1
11	81995-201	Glass, T-630 Cab Windshield (36 1/2 X 29)	1
12	81995-07	Wiper Blade T-630	1
13	81995-03	Switch Wiper T-630	1



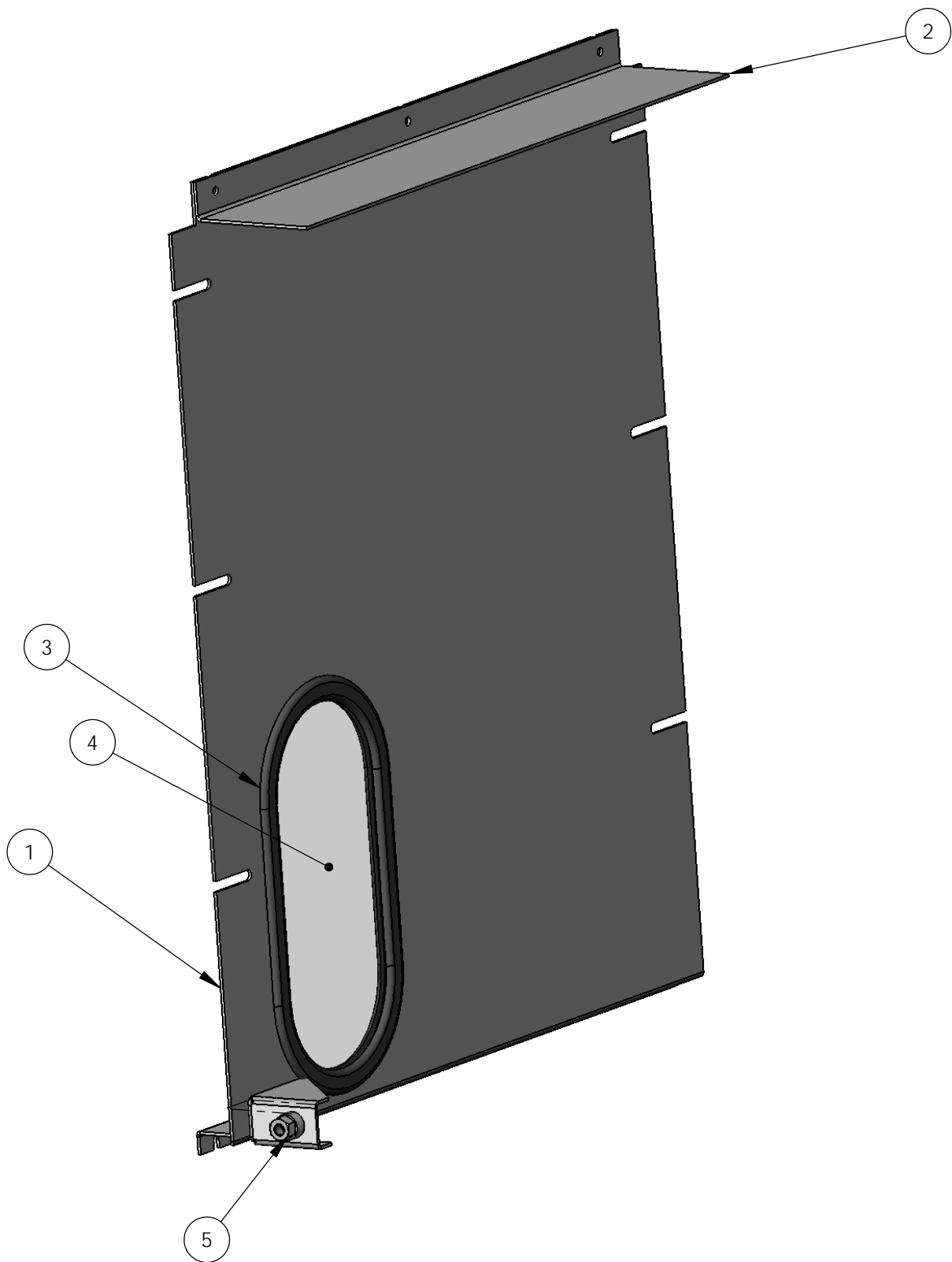
CAB ENCLOSURE - LEFT DOOR

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	81987-10	Door Assy. Left Cab	1
2	81987-30	Frame Assy. L Cab Door	1
3	80991LDL	T-630 Cab Glass WeatherstrippingLDL	1
4	81995-202	Glass, T-630 Cab L. Door Top (31 X 31)	1
5	80991LDS	T-630 Cab Glass WeatherstrippingLDS	1
6	81995-203	Glass, T-630 Cab L. Door Bottom (18 X 18)	1
7	81987-37	Header Left Door Cab	1
8	81995-18	Handle (chrome) T-630	2
9	81987-200	Left Cab Door Handle Kit - Keyed	1

CAB ENCLOSURE - RIGHT DOOR



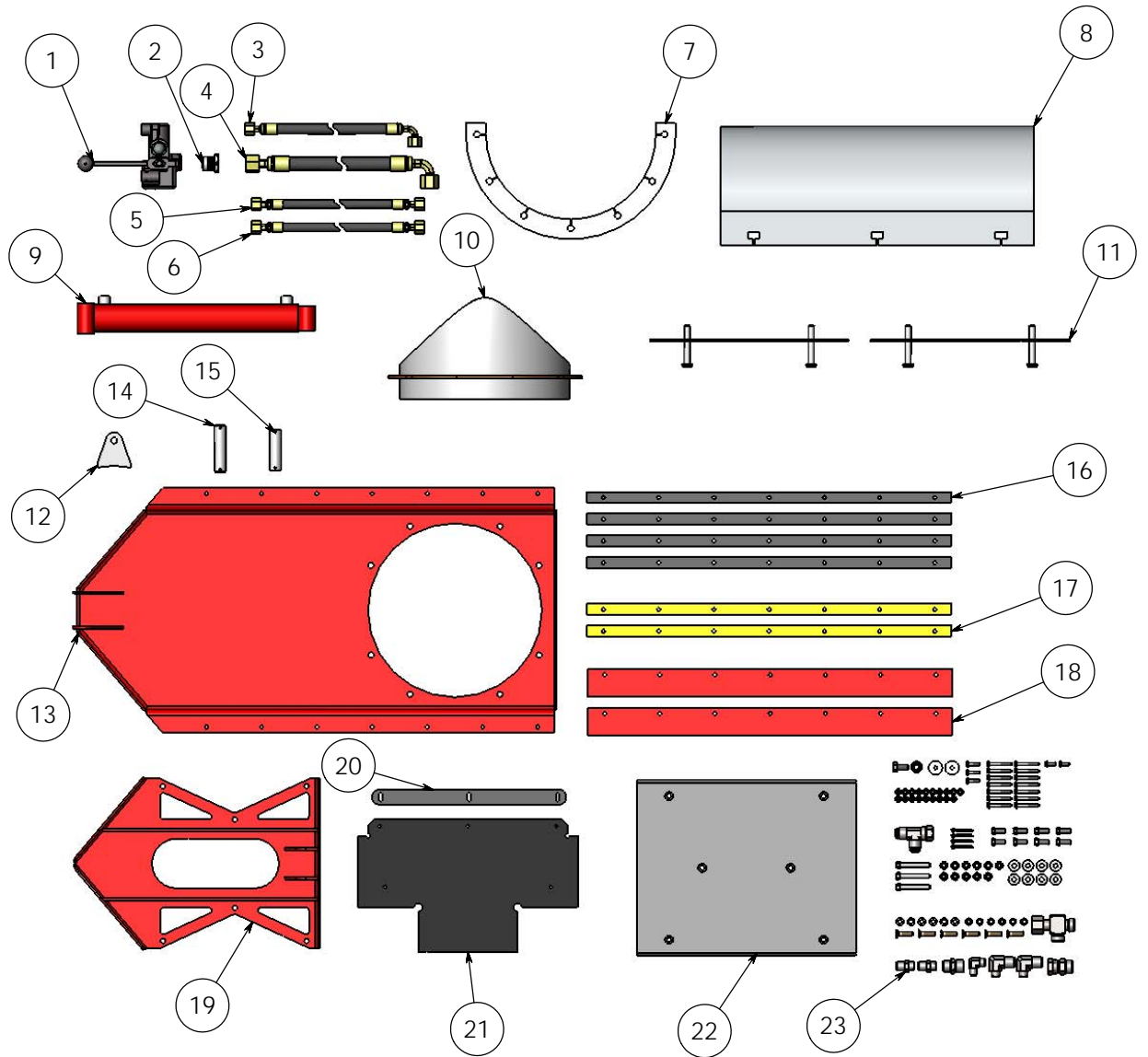
ITEM NO.	PART NUMBER	DESCRIPTION	Default (Manual)/QTY.
1	81987-40	Door Assy. R. Cab	1
2	81987-60	Frame Assy. Rear R. Dr	1
3	81987-66	Frame Front Assy. R Door	1
4	81987-59	Header Right Door Cab	1
5	Filler Plate	10 GA Filler Plate	1
6	81987-63	Plate Kick R Door Cab	1
7	81987-65	Spacer R Door Kick Plate	1
8	81987-201	Right Cab Door Handle Kit - Keyed	1
9	81995-18	Handle (chrome) T-630	1
10	81987-100	Stop Assy. Hopper R. Door	1
11	81987-110	Latch Assy. R. Hopper Door	1
12	80991RDL	T-630 Cab Glass Weatherstripping RDL	1
13	80991RDS	T-630 Cab Glass Weatherstripping RDS	1
14	81995-205	Glass, T-630 Cab R. Door Rear (18 X 30)	1
15	81995-204	Glass, T-630 Cab R. Door Front (14 X 30)	1



CAB ENCLOSURE - REAR

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	81987-90	Plate Cab Rear	1
2	81987-95	Plate Cab Rear Filler Plate	1
3	80991R	T-630 Cab Glass Weatherstripping	1
4	81995-206	Glass, T-630 Cab Rear (8 X 16)	1
5	81987-92	Catch Assy. L Door	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TB80703-2	Chute Spout Gate Hyd Valve	1
2	80704	Chute Spout Gate Valve Pwr Beyond	1
3	81915-1	Flow Divider to Spout Gate Valve Inlet	1
4	80919-1	Spout Gate Valve Return to Lift-Swing Valve Return Tee	1
5	809784	T-630 Chute Valve Hose Cyl End.	1
6	809785	T-630 Chute Valve Hose Rod End.	1
7	81524	Flange Chute Bolt	1
8	8197828	T-630 Chute Valve Chute Section	1
9	81979-701	T-630 LM Chute Valve Cylinder	1
10	819791	T-630 LM Gate Spout Assy	1
11	8197913	LM Funnel Flange Assy. T-630 Gate Spout	2
12	8197919	T-630 Chute Valve Rear Chute Support	1
13	819792	T-630 LM Chute Valve Top Plate Assy	1
14	8197923	T-630 LM Chute Valve Cyl Pin	1
15	8197924	T-630 LM Chute Valve Rod Pin	1
16	8197925	T-630 LM Chute Valve 3/8 Shim	4
17	8197926	T-630 LM Chute Valve 20 Ga Shim	2
18	8197927	T-630 LM Chute Valve Slide Guide	2
19	819793	T-630 LM Chute Valve Bracket Assy	1
20	8197935	T-630 LM Chute Valve Flap Washer	1
21	8197936	T-630 LM Chute Valve Mud Flap	1
22	819796	T-630 LM Chute Valve Machined	1
23	81979K	T-630 LM Spout Gate Hwd Kit	1

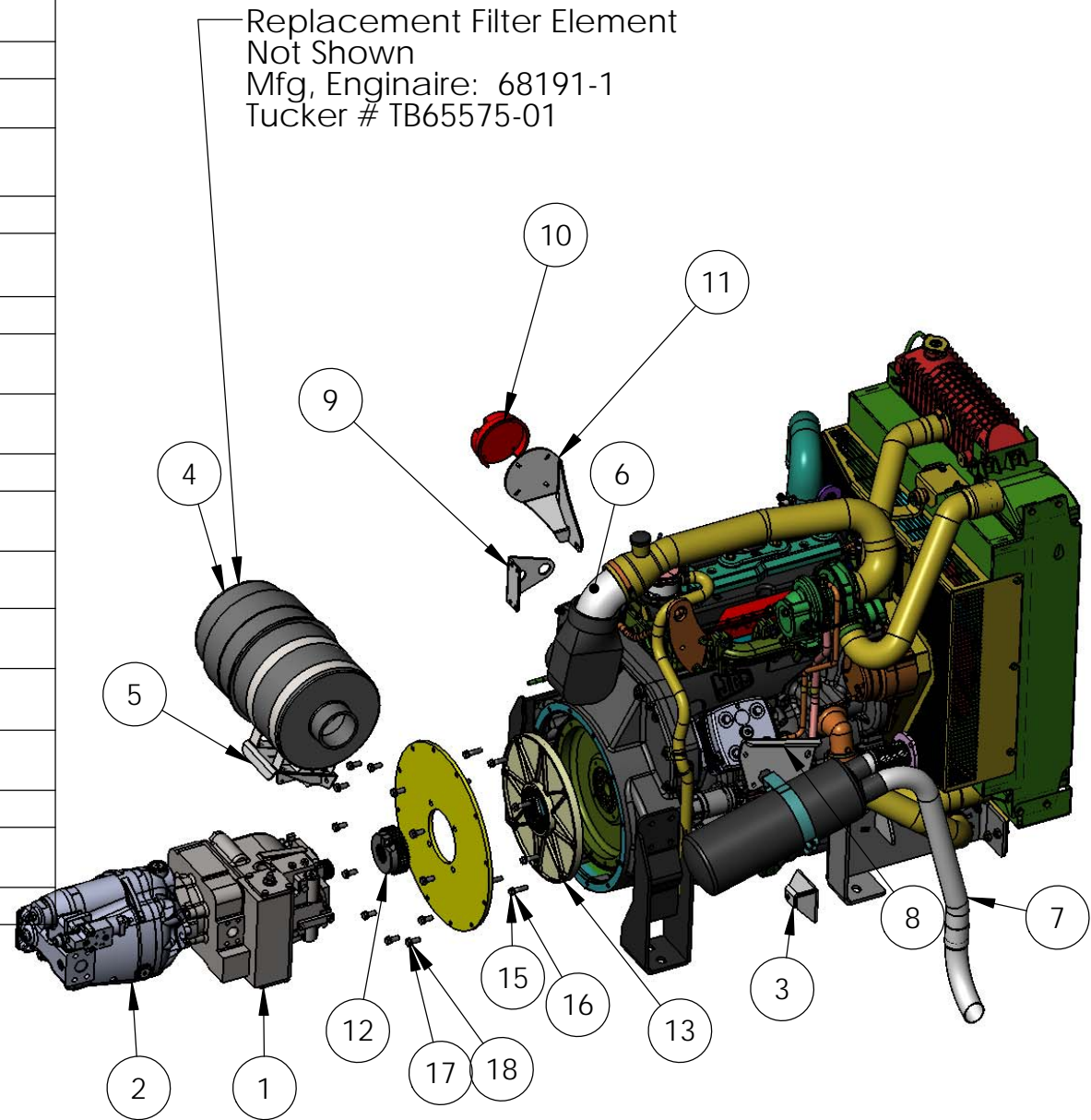


Filters for the T-630 with JCB Tier III Engine & Stauff Filters						
	Stauff Filter for Hydrostatic Pump Suction	Stauff Filter for Auxillary Return - Twin Element	Enginaire Air Filter - www.enginaire.com	Engine Fuel	Engine Fuel/Water Separator	Engine Oil
Stauff	SF6707-MG	SF6707-MG				
Donaldson	P165762	P165762	NC	NC	NC	NC
JCB			NC	320/07138	32/925950	320/04133
Wix	51847	51847	NC	NC	33609	57233
Napa	1847	1847	NC	NC	NC	NC
Enginaire			68191-1			
Tucker	80101-2-01	80101-2-01	65575-01	65975-4	65975-6	65975-5
Change Hours	500	500	Reference Engine Manual			
NC = No Cross Reference Known at this time						
Wheel Gearbox	Change after first 50 hours, then yearly. Uses HD 80W-140 Gear Lubricant					

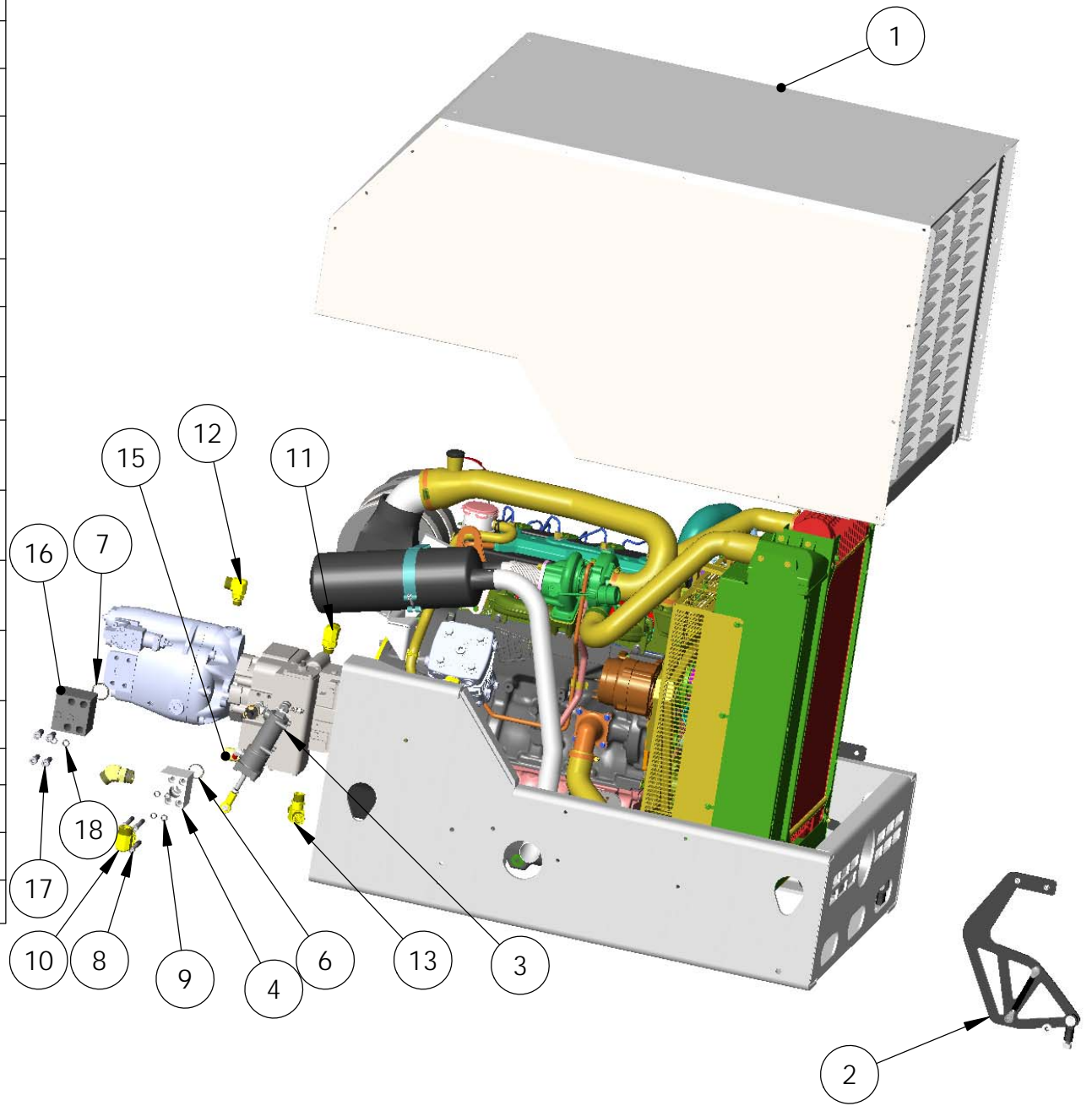
Filtros del T-630 con Motor JCB Tier III & Stauff Filtros						
	Filtro Eaton para la succion de la Bomba Hydrostatica	Filtro Eaton Para Auxiliar Doble Elemento	Filtros de Aire- Enginaire www.enginaire.com	Combustible	Separador de Combustible/Agua	Aceite
Stauff	SF6707-MG	SF6707-MG				
Donaldson	P165762	P165762	NO	NO	NO	NO
Perkins			NO	320/07138	32/925950	320/04133
Wix	51847	51847	NO	NO	33609	57233
Napa	1847	1847	NO	NO	NO	NO
Enginaire			68191-1			
Tucker	80101-2-01	80101-2-01	65575-01	65975-4	65975-6	65975-5
Cambio por Hora	500 hrs	500	Referirse al Manual del Motor			
NO = No tenemos referencias en estos momentos						
Nucleo de velocidades de la rueda trasera	Cambiar filtro despues de las primeras 50 horas, luego cada año. Usar el Lubricante HD 80W-140					

Page Intentionally Left Blank

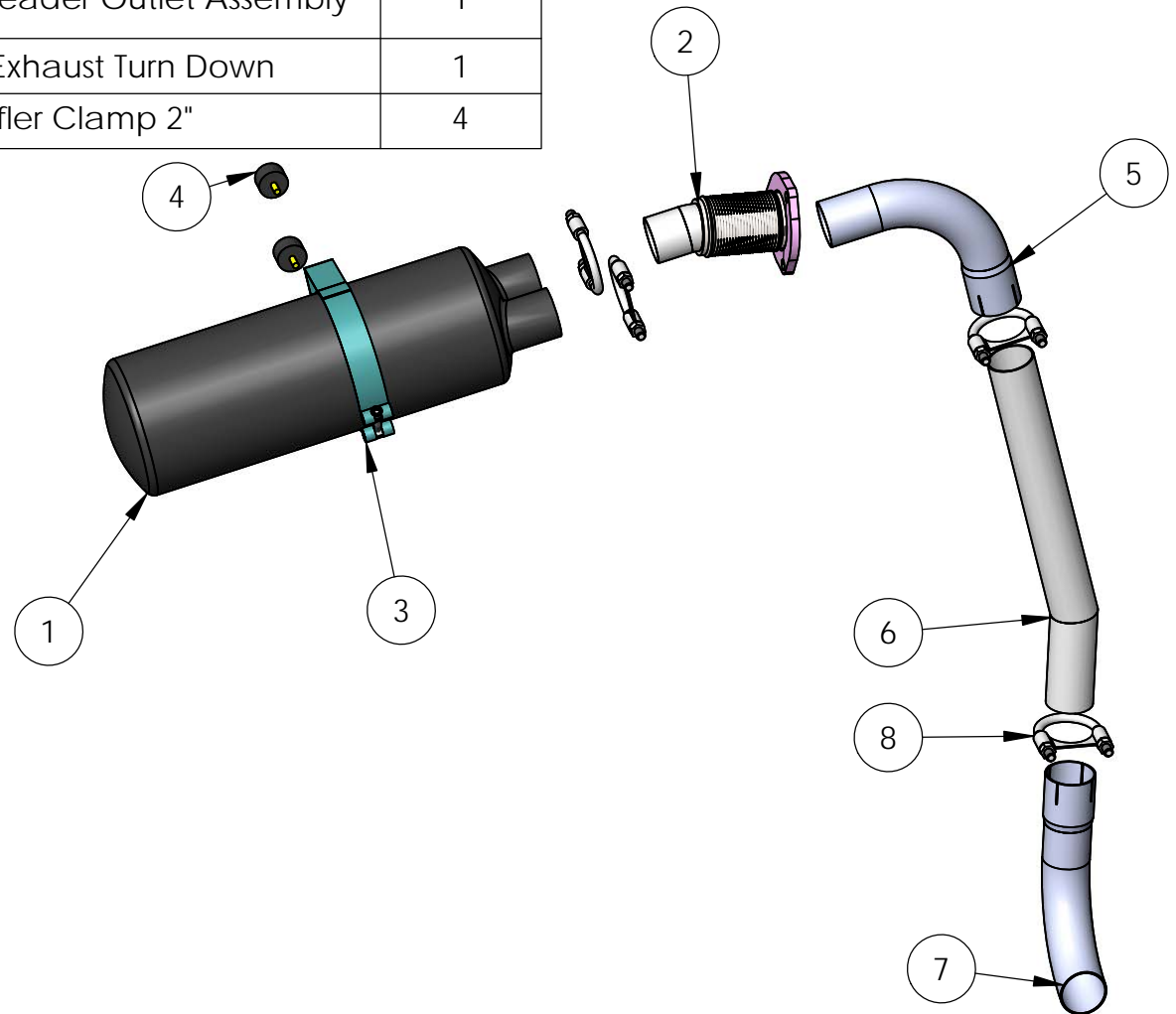
ITEM NO.	PART NUMBER	DESCRIPTION	T-650 Style/QTY.
1	80203-2	Model 105 Eaton Hydrostatic Pump	1
2	80204-4	Eaton PVM 131MR	1
3	65451	JCB F-R Cyl, Mount	1
4	65575-01-1	Filter Canister w/Element, Enginaire	1
5	65453	Air Cleaner Bracket - JCB	1
6	80628	Exhaust Tangent Elbow 60 Deg D-Flex 3-1/2"	1
7	Exhaust system	See Additional Sheet	1
8	65452	Muffler Bracket JCB Tier III	1
9	65455	JCB Fuel - Heater Hose Bulkhead	1
10	80586-01	Battery Disconnect	1
11	65456	Battery Disconnect Bracket JCB	1
12	80580-4-07	Engine To Pump Hub JCB Tier III Engine	1
13	80580-4-08	Drive Plate JCB Tier III Engine	1
14	80580-4-09	Drive Bell Housing Plate JCB Tier III-IV	1
15	CS-HH-0.375-16X1.5	Screw Cap Hex: 3/8-16 X 1 1/2	8
16	WL-0.375	Washer Lock 3/8	8
17	CS-HH-10-1.5X25MM	Screw Cap Hex: 10-1.5 X 25 mm	12
18	WL-10M	Washer Lock 10 mm	12



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	65156-50	Hood & Grill Assy	1
2	65158K	Engine Hood Hinge Bracket Kit LH	1
3	81724K	Hard. Kit F-r Cyl. for JCB Tier III	1
4	81376-2	Pump Tee Block Eaton	2
5	HA-FF2068T1612S	Adapter, Aeroquip: FF2068T1612S	2
6	OR-568-219	O-Ring 1 5/16 x 1 9/16 x 1/8	2
7	OR-568-222	O-Ring 1 1/2 x 1 3/4 x 1/8	1
8	CS-SH-0.4375-14X3	Screw Cap Skt. 7/16 X 3	8
9	716HCLW	Washer Hi Collar Lock .4375	8
10	HA-FF1868T1616S	Eil #16 ORS Flat Face, #16 O-Ring Boss	2
11	HA-FF1868T1212S	Eil #12 ORS Flat Face, #12 O-Ring Boss	1
12	HA-FF1868T1210S	Eil #12 ORS Flat Face, #10 O-Ring Boss	1
13	HA-FF1861T1212S	Tee #12 ORS Flat Face, #12 O-Ring Boss	1
14	HA-202702-16-16S	Adapter, Hydraulic: 202702-16-16S	1
15	81378	Fitting Ss Inlet	1
16	65138-1	Eaton Controls Pump 131 Adapter	1
17	CS-SH-0.5-13X1.5	Screw Cap Skt.: 1/2-13 X 1 1/2	4
18	WLHC-0.5	Washer Lock Hi-Collar 1/2	4

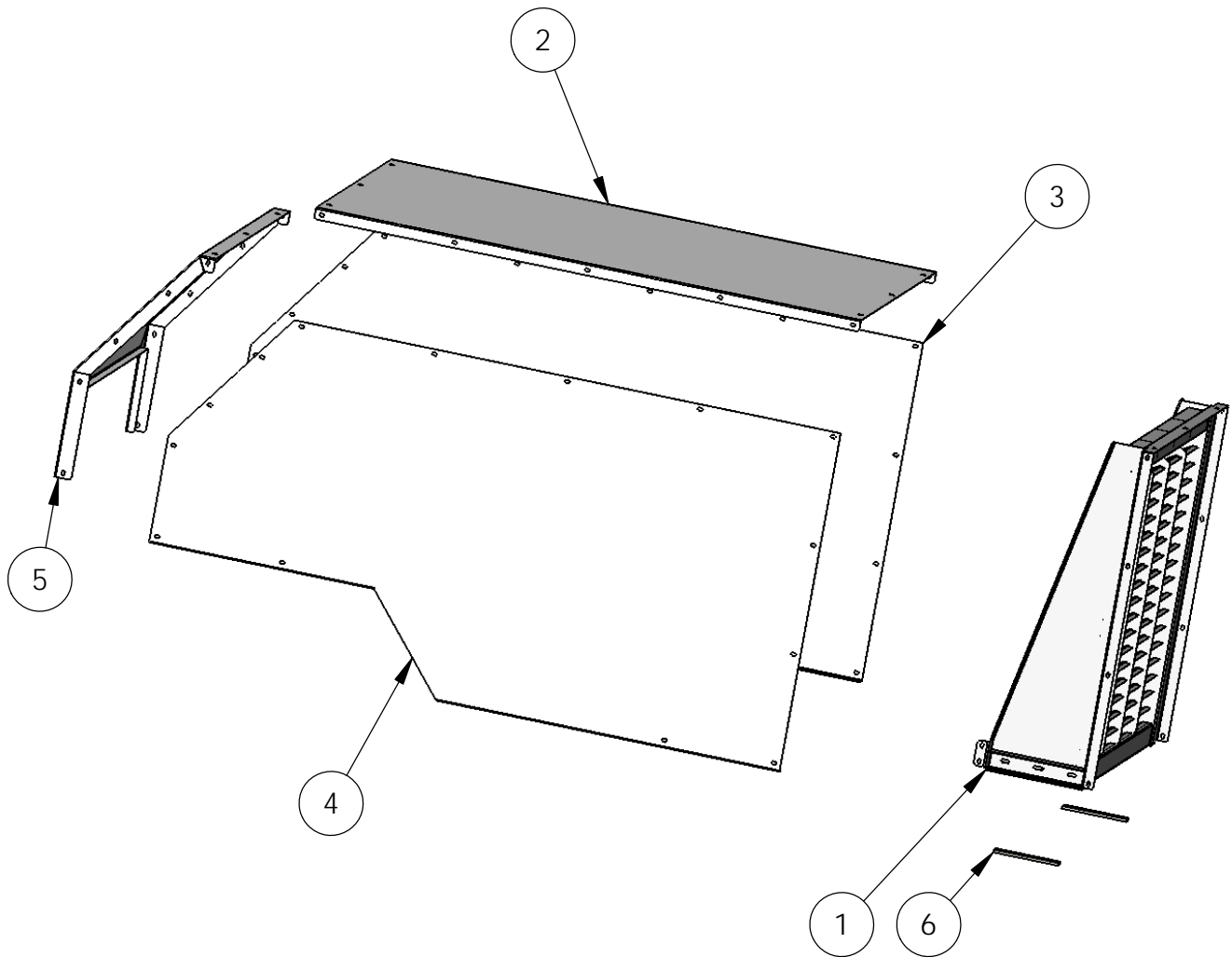


ITEM NO.	PART NUMBER	DESCRIPTION	Default/ QTY.
1	80724	Donaldson MO60482 Muffler 2 Inch	1
2	65454	JCB Exhaust Manifold Riser	1
3	80726	M002117 Exhaust Mounting Band	1
4	80656	Extreme Temp Damping Mount 1/4"-20	2
5	80722	J008671 Short Elbow (Exhaust)	1
6	65457	JCB Exhaust Header Outlet Assembly	1
7	80725	P207415 Exhaust Turn Down	1
8	80723	Muffler Clamp 2"	4



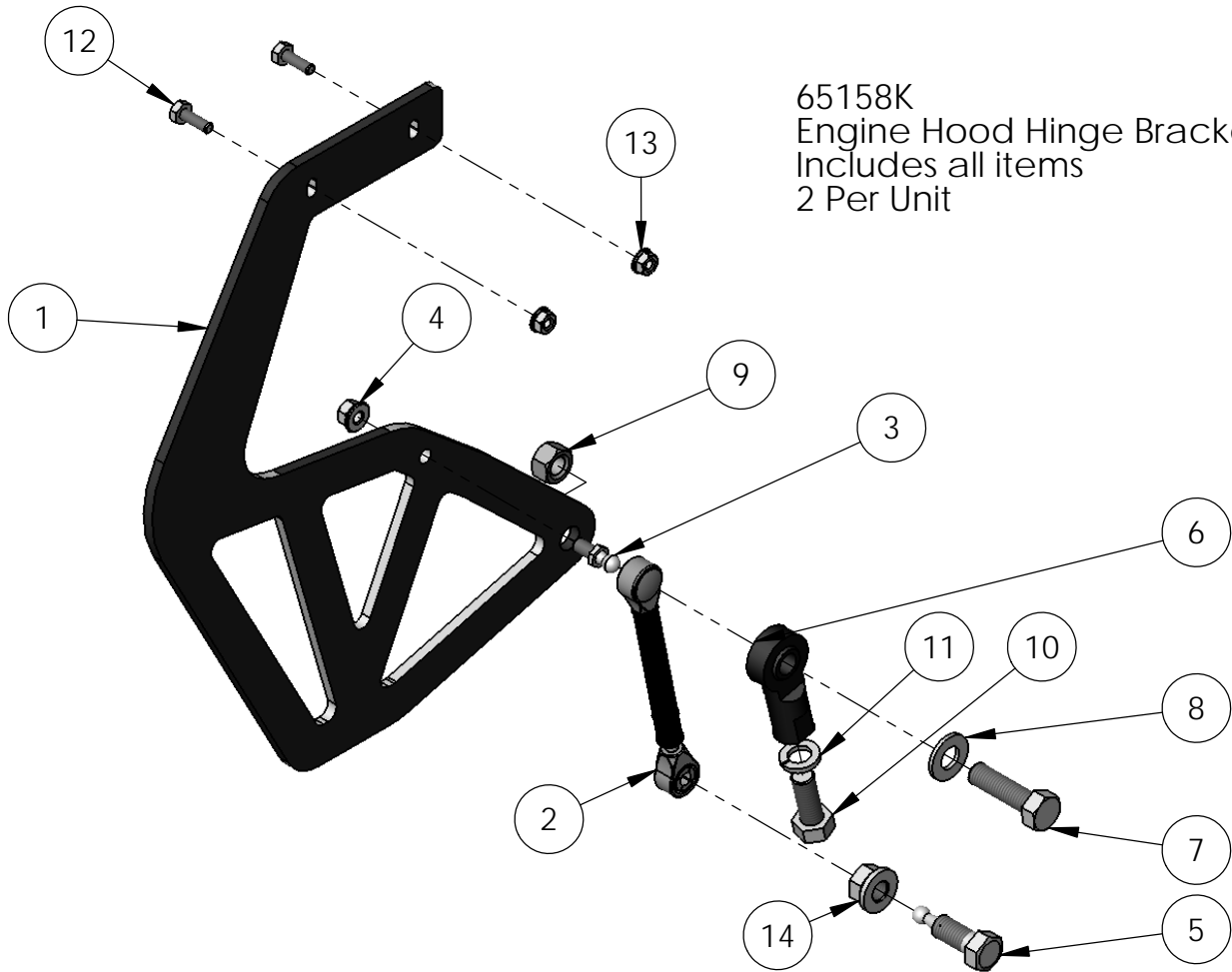
I:\Solidworks\Part\T-650\65180\Exhaust system.dlg JCB Tier III

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	65156-20	JCB Tier III Grill Assembly	1
2	65161-01	Engine Hood Top Skin JCB Tier III	1
3	65161-02R	Engine Hood Side Skin LH JCB Tier III	1
4	65161-02L	Engine Hood Side Skin LH JCB Tier III	1
5	65160-09	Engine Wedge Hood Nose Front Cap Assembly	1
6	65157	Grill Assy Rubber Bolt Bumper	2



I:\Solidworks\Part\T-650\65150\65156\65156-50

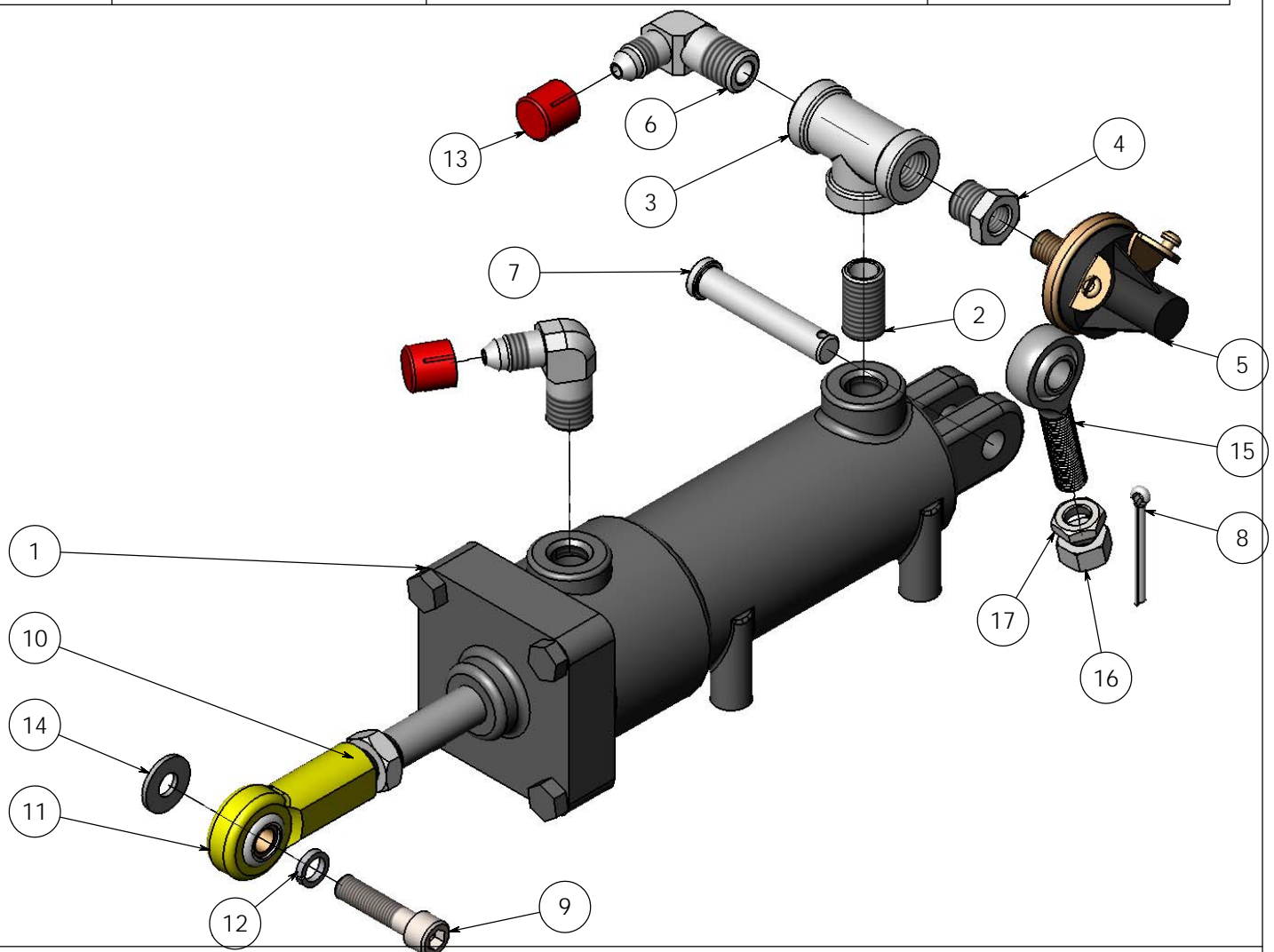
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	65158	Engine Hood Hinge Bracket	1
2	80001-ASSY	Gas Cylinder 155 Assembly w-Ends	1
3	80002	.39 Dia Ball Stud sith 5/16-18 Thread	1
4	NF-0.3125-18	Nut Flanged Lock : 5/16-18	1
5	65159	Engine Hood Hinge Stud Bolt	1
6	TR8	Rod End TR8	1
7	CS-HH-0.5-13X1.75	Screw Cap Hex: 1/2-13 X 1 3/4	1
8	WFF-0.5	Washer Flat 1/2 (Sae)	1
9	NSL-0.5-13	Nut Self Lock : 1/2-13	1
10	CS-HH-0.5-20X1.25	Screw Cap Hex: 1/2-20 X 1 1/4	1
11	WL-0.5	Washer Lock 1/2	1
12	CS-HH-0.25-20X0.75	Screw Cap Hex: 1/4-20 X 3/4	2
13	NF-0.25-20	Nut Flanged Lock : 1/4-20	2
14	NF-0.5-13	Nut Flanged Lock : 1/2-13	1

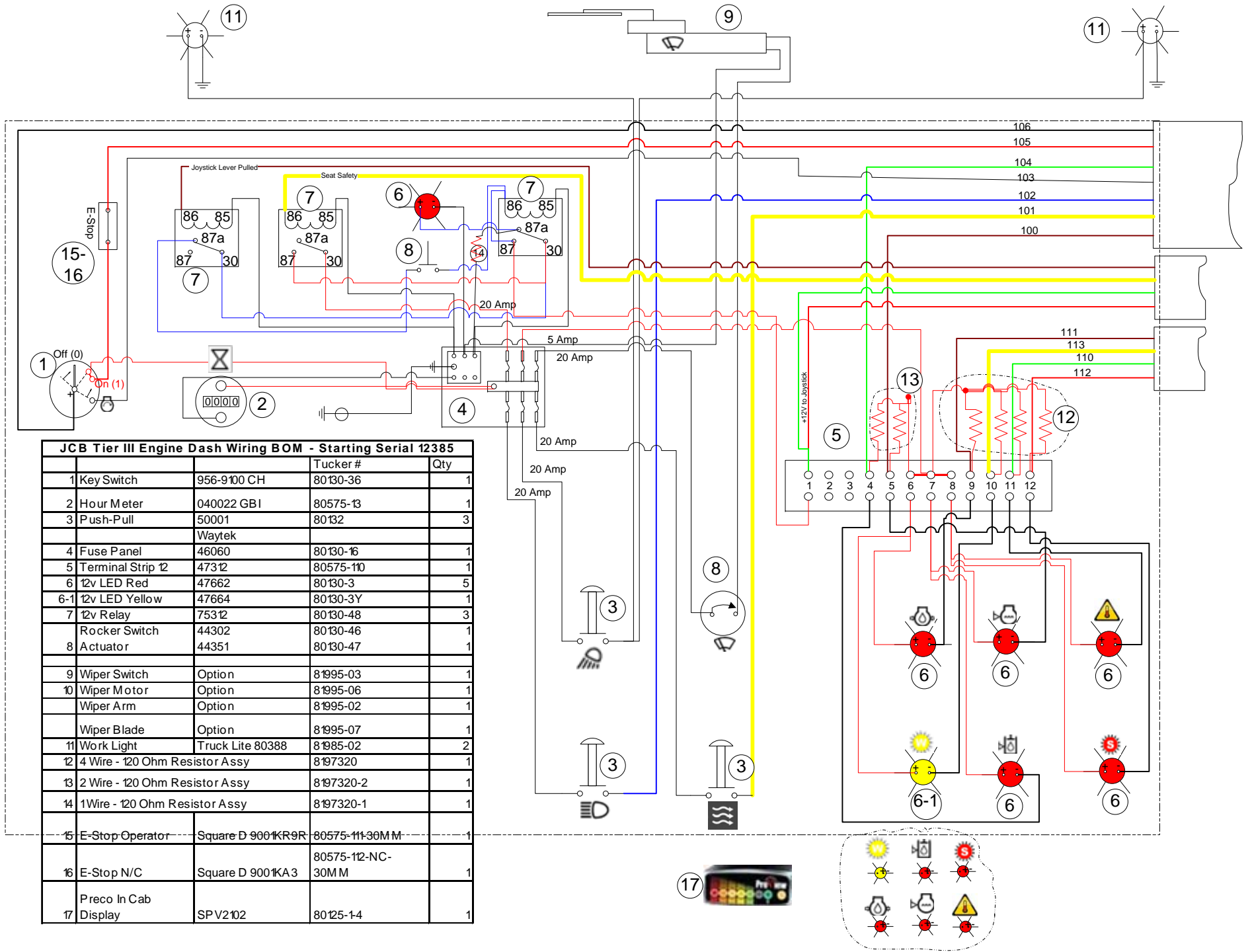


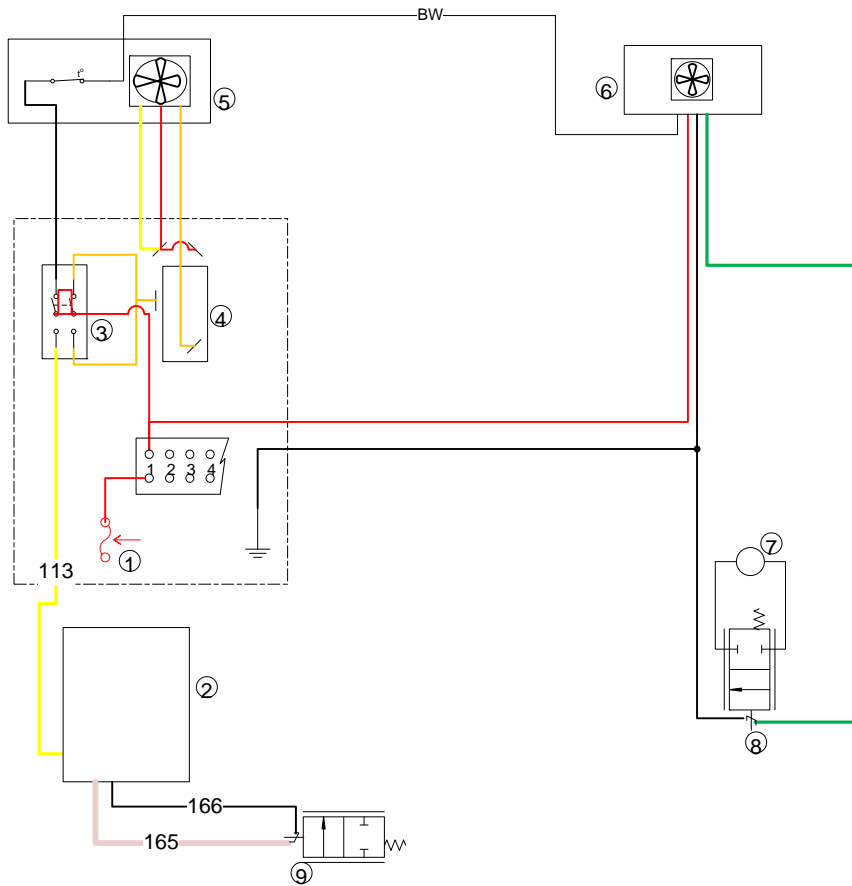
65158K
 Engine Hood Hinge Bracket Kit
 Includes all items
 2 Per Unit

Left Side Shown

ITEM NO.	PART NUMBER	DESCRIPTION	F-R Cylinder Kit JCB Engine/QTY.
1	80300	Cylinder Forw.-rev.	1
2	GP-14-CN	Nipple Galv. 1/4 X Close	1
3	GP-14T	Tee Galv. 1/4"	1
4	GP-14-18B	Bushing 1/4 X 1/8 Glv. rd.	1
5	80604	Switch N/O - Back-up/Throttle	1
6	HA-2024-4-4S	Adaptor, Aeroquip	2
7	38-2CLPH	Pin Clevis Hardened 3/8 X 2	1
8	CP-18-1	COTTER PIN, 1/4 X 2 1/2	1
9	CS-SH-0.3125-18X1.25	Screw Cap Skt.: 5/16-18 X 1-1/4	1
10	NJ-0.4375-20	Nut Jam 7/16-20	1
11	81724-1	Tie rod end Assembly - F-r Cyl.	1
12	WLHC-0.3125	Washer Lock Hi-Collar 5/16	1
13	CD4	Plug Cd-4 Lpe Red Cap	2
14	WF-0.25	Washer Flat 1/4	1
15	TRE6	Rod End TRE6 Male 3/8"	1
16	NSL-0.375-24	Nut Self Lock : 3/8-24	1
17	NJ-0.375-24	Nut Jam : 3/8-24	1

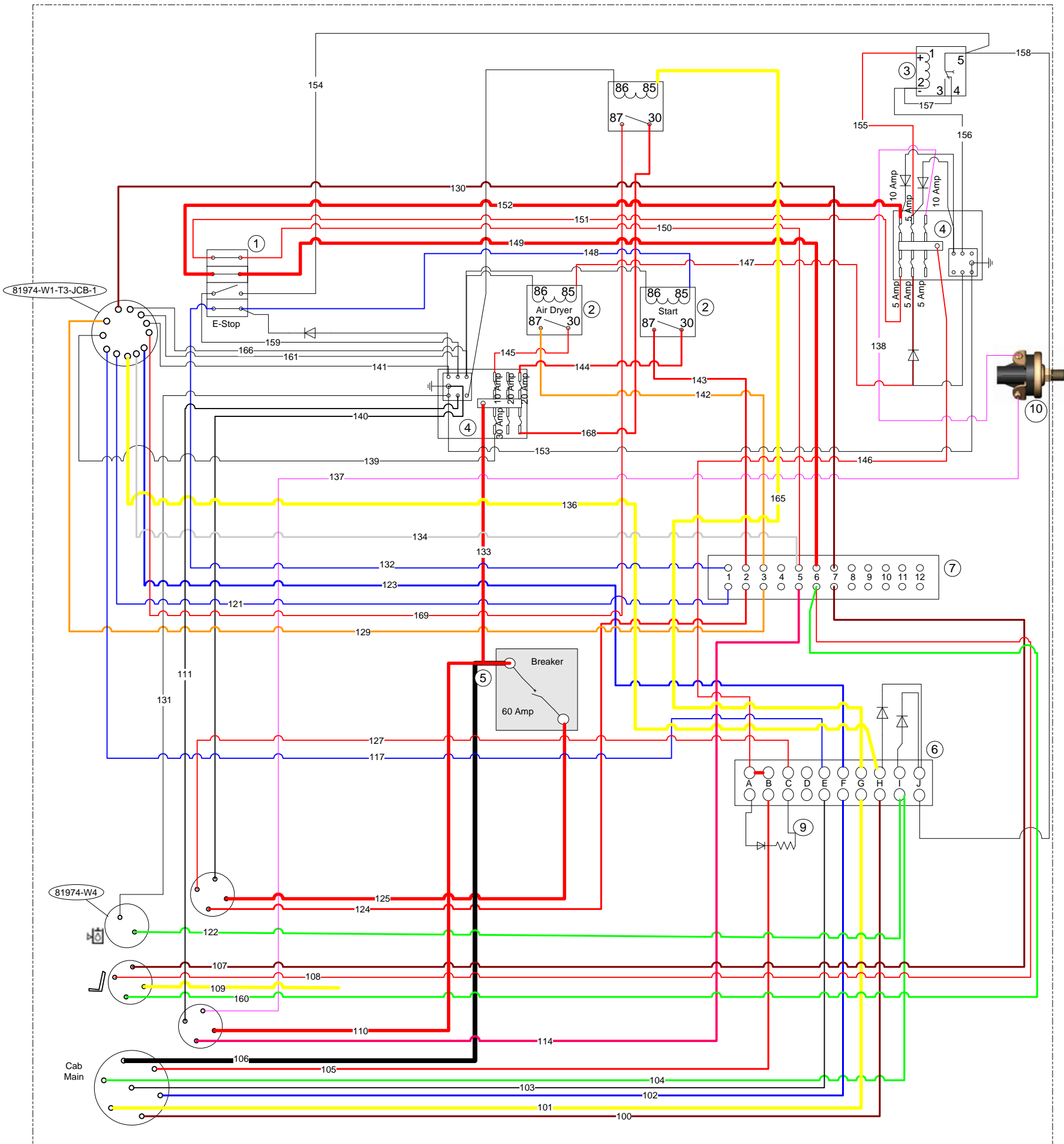






T-630 A/C Circuit - Starting Serial 08369			
Item No.	Description	Mfg#	Tucker #
1	Cab 30 Amp Fuse		
2	Engine Junction Box		
3	DPDT Switch		
4	High-Med-Low Switch		
5	Red Dot A/C - Heater Fan Unit	R-8500-P	80510
6	Red Dot A/C Condensor	R-9720-3P	80511
7	Red Dot A/C Compressor	R-9976-1P	80512
8	Eaton A/C On Off Valve	SV3-10-C-8H-12DW	80202-1
	Housing	20058AA8	80202-1-01
	Cartridge	SV3-10-C-0-00	80202-1-02
	12 VDC Coil Assy	02-178086	80202-1-04
9	ARO 2-Way Valve - Heater Water On/Off	TB04EV-000-N	80433
	12 VDC Coil Assy	02-178086	80202-1-04

Engine Wiring BOM - Starting Serial # 12385				
		Mfg#	Tucker #	Quantity
1	Grainger E-Stop Push-Pull	6HW12	80575-111	1
	Grainger NC/NO Contact Block w/Base	6HX35	80575-112-NO-NC	1
	Grainger NO Contact	6HZ06	80575-112-NO	
	Grainger NC Contact	6HZ13	80575-112-NC-NC	1
2	Tyco Relay	VF7-41F11	80130-12	3
	Tyco Relay Socket	VCF7-1000	80130-13	3
	Tyco Terminal 6-10	280755-4	80130-14	3
	Tyco Terminal 12-10	280756-4	80130-15	3
3	Amperite Time Delay Relay	12DSPDT5SC	80130-11	1
4	Waytek Fuse Panel	46060	80130-16	2
5	Waytek 60 Amp Breaker	46921	80130-23	1
6	Waytek Terminal Strip 10	47360	80575-109-10	1
7	Waytek Terminal Strip 12	47312	80575-109	1
9	JCB Alternator Diode Assembly	Tucker's	81974-3	1
10	Hobbs N/O Air Switch	76575 4 N/O	80604	1

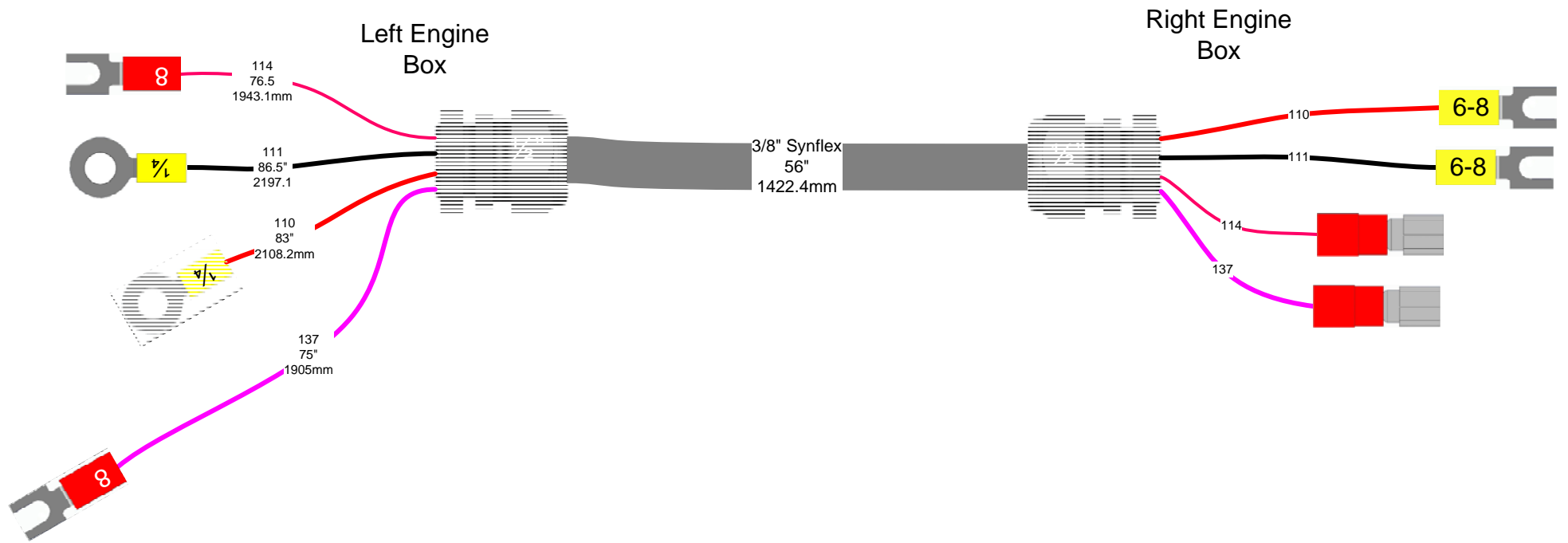


JCB Engine Panel Landscape	
Item No.	Description
100	Brown #12 Low Water - Terminal H
101	Yellow #12 Cab Heater Water Solenoid - Terminal G
102	Blue #10 Drive Lights - Terminal F
103	Black #12 Start - Terminal E
104	Green #12 Low Hydraulic - Terminal I
105	Red #10 Ignition On - Terminal B
106	White #8 Power to Cab
107	Brown From Seat Safety to Solenoid - Terminal 7
108	Red - Terminal 6 paralling Green 160 to Seat Safety
109	Yellow Not Used
110	Red #12 - +12v to JCB Box
111	Black #12 - 12v Ground to JCB Box
112	
113	
114	Pink #18 Terminal 5 - Swich On Signal to JCB Box
115	
116	
117	Blue #18 Terminal E out to Neutral Start Safety Switch
118	
119	
120	
121	Blue #18 From Neutral Start Switch to Terminal 1
122	Green #18 Low Hydraulic Signal - Terminal I
123	Blue #12 Terminal F out to Drive Lights
124	Red #12 Terminal 2 out to Start
125	Red #8 +12V From Battery
126	
127	Red #14 F1 Battery Disconnect For Alternator Excite
128	
129	Orange #14 Terminal 3 to Air Dryer
130	Brown #18 to Terminal 7 to Pump Cut Out

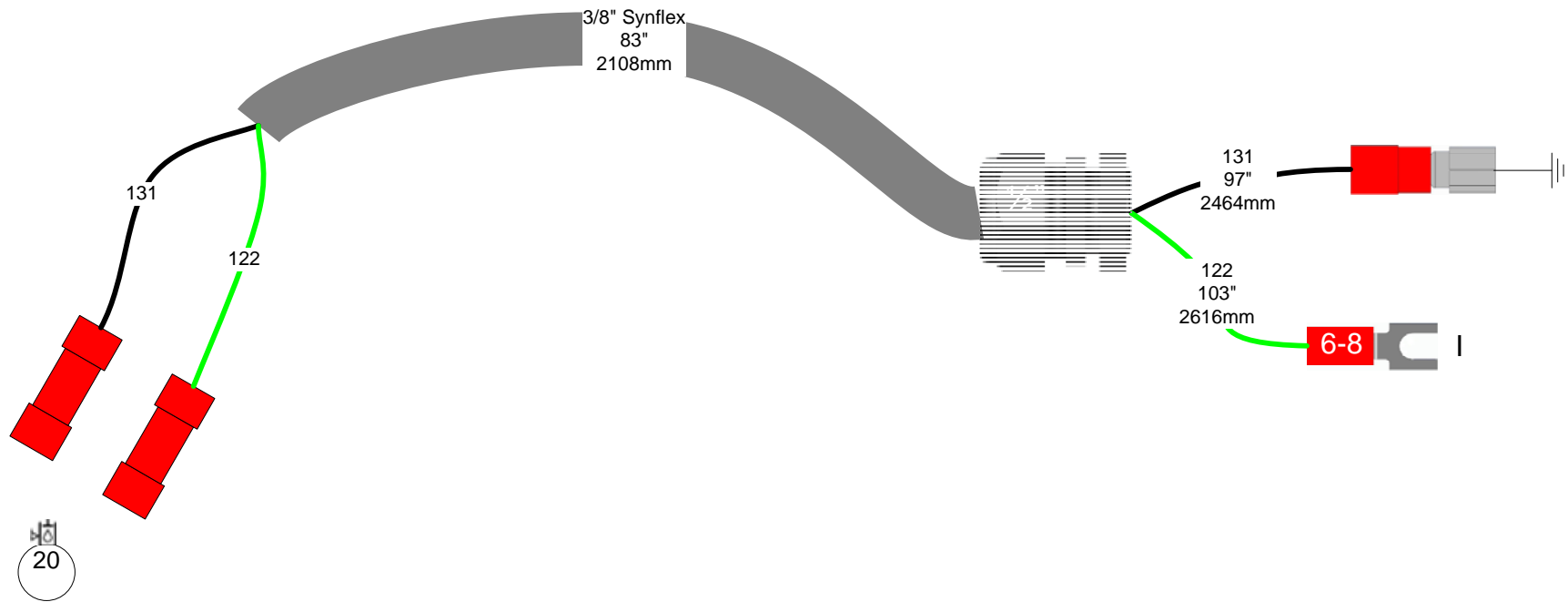
JCB Engine Panel Landscape	
Item No.	Description
131	Black #18 - Fuse Panel 1 out to Low Hydraulic Sensor
132	Blue #18 Neutral Start - Terminal 1 to E-Stop N/C-4
133	Red #8 - +12v Breaker to Fuse Panel 1
134	Gray #18 Terminal 5 out for Water Level +12V
135	
136	Yellow #18 Water Level Signal In to Terminal H
137	Magenta #18 From Hobbs Air Switch to JCB Box for Throttle
138	Magenta #18 Fuse Panel 2 +12v to Hobbs Air Switch for Throttle
139	White #12 Fuse Panel 1 out for Back Up Alarm
140	Black #8 Main Ground In
141	Black #18 Ground out to Water Level Switch
142	Orange # 14 - Air Dryer Relay #87 to Terminal 3
143	Red #12 - Start Relay #87 to Terminal 2
144	Red #12 - Fuse Panel 1 to Start Relay #30
145	Red #14 - Fuse Panel 1 to Air Dryer Relay #30
146	Red #12 - Terminal A to Fuse Panel 2 +12v
147	Red #18 - Fuse Panel 2 to Air Dryer Relay #85
148	Blue #18 - E-Stop N/C-4 to Start Relay #85
149	Red #14 - E-Stop N/C-2 to Terminal 6 for Seat Safety +12v
150	Red #18 - E-Stop N/C-1 to Terminal 5 to indicate Switch On
151	Red #18 Fuse Panel 2 to E-Stop N/C-1 to indicate Switch On
152	Red #14 - Fuse Panel 2 to E-Stop N/C-2 for Seat Safety +12v
153	Black #12 - Fuse Panel 1 to Fuse Panel 2 Ground
154	Black #18 - E-Stop N/O-3 to Light Timer #5
155	Red #18 - Fuse Panel 2 to Light Timer #1
156	Black #18- Fuse Panel 2 Ground to Light Timer #2
157	Black #18 - Light Timer #2 to Light Timer #4
158	Black #18 - Light Timer #5 to Terminal J
159	Black #18 - Fuse Panel 1 Ground to E-Stop N/O-3
160	Green - Terminal 6 paralling Red 108 to Seat Safety
161	Black #18 Ground for Pumps - Seat Safety
165	Pink #18, Terminal G - 12V to Cab Heater Water Solenoid
166	Black #18 - Fuse Panel 1 Ground out to Cab Heater Water Pump
167	Black #18 - Fuse Panel 1 Ground to Cab Heater Water Solenoid #86
168	Red #12 - Fuse Panel 1 to Cab Heater Water Solenoid #30
169	Red #12 - Cab Heater Water Solenoid #87 To Cab Heater Pump

Page Intentionally Left Blank

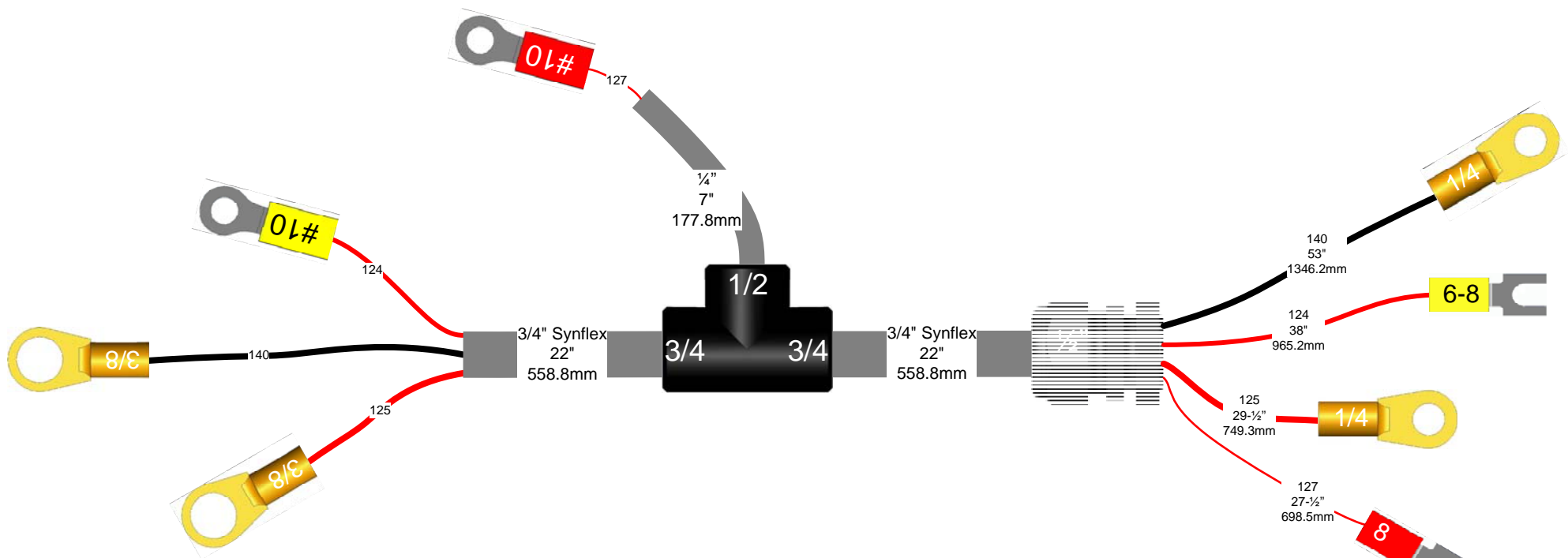
81974-W1-T3-JCB-1 T-630 Tier III JCB Engine Juncton Harness - Starting Serial 12385				
Key	Description	Mfg #	Tucker #	Qty
1	Neutral Start Switch on Eaton	990759-000	80203-2-07	1
	Packard Connector	12015792	80130-41	1
	Packard Male Terminal	12089040	80130-42	2
	Packard Cable Seal	12015323	80130-44	2
2	Hobbs Switch N/O - Back Up Alarm & Throttle	76575 4 N/O	80604	2
3	Peco - PreView Back Up Sensor	SPV2115	80125-1-3	1
	Peco 10' Cable	SPV2110	80125-1-1	1
	Peco 25' Cable	SPV210T	80125-1-2	1
4	Power Products LED Light	TPLED60W	80985-01	2
	Power Products Light Plug	TPLT1400	80985-02	2
	Power Products Light Mount Cup	TPLT60G	80985-03	2
251	White #12 Backup Switch to Back Up Alarm & Lights			
WLS	To Kohler 273404 Water Level Switch		80575-57	1
	Connector Pin		80575-83	3
	Connector Plug		80575-84	1
DIN-L	Canfield DIN Connector 5103-1090000		80204-04-IL	2
Eaton	De-Stroke Switch (0111593-002)		80203-2-DV	1
	Solenoid Coil 02-178086		80202-1-04	1
HS	Heat Shrink Tubing			
Non-Ins	Non Insulated Connector			



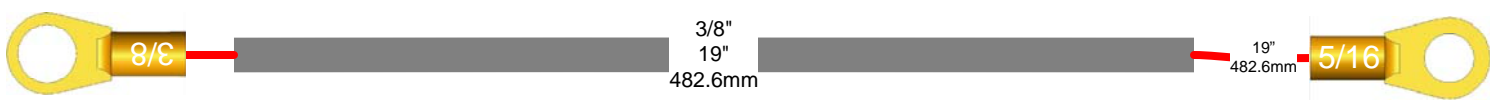
81974-W5-JCB Tier III Main Box to JCB Box Starting Serial 12385



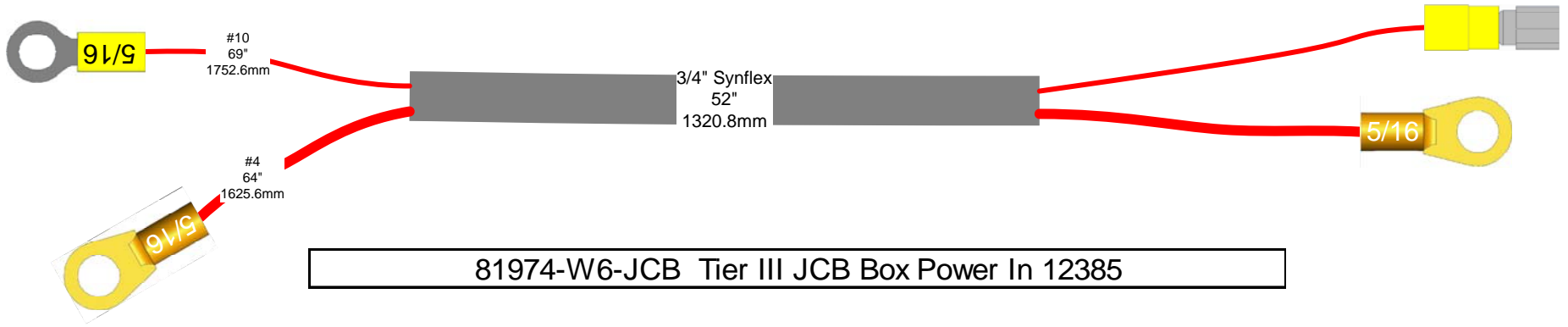
Hydraulic Oil Level Wire - 81974-W4
Item Number 20, Reference T-630 Auxilliary Hydraulic Circuit
Starting Serial # 08362



81974-W3-JCB Alt-Starter - Starting Serial 12385



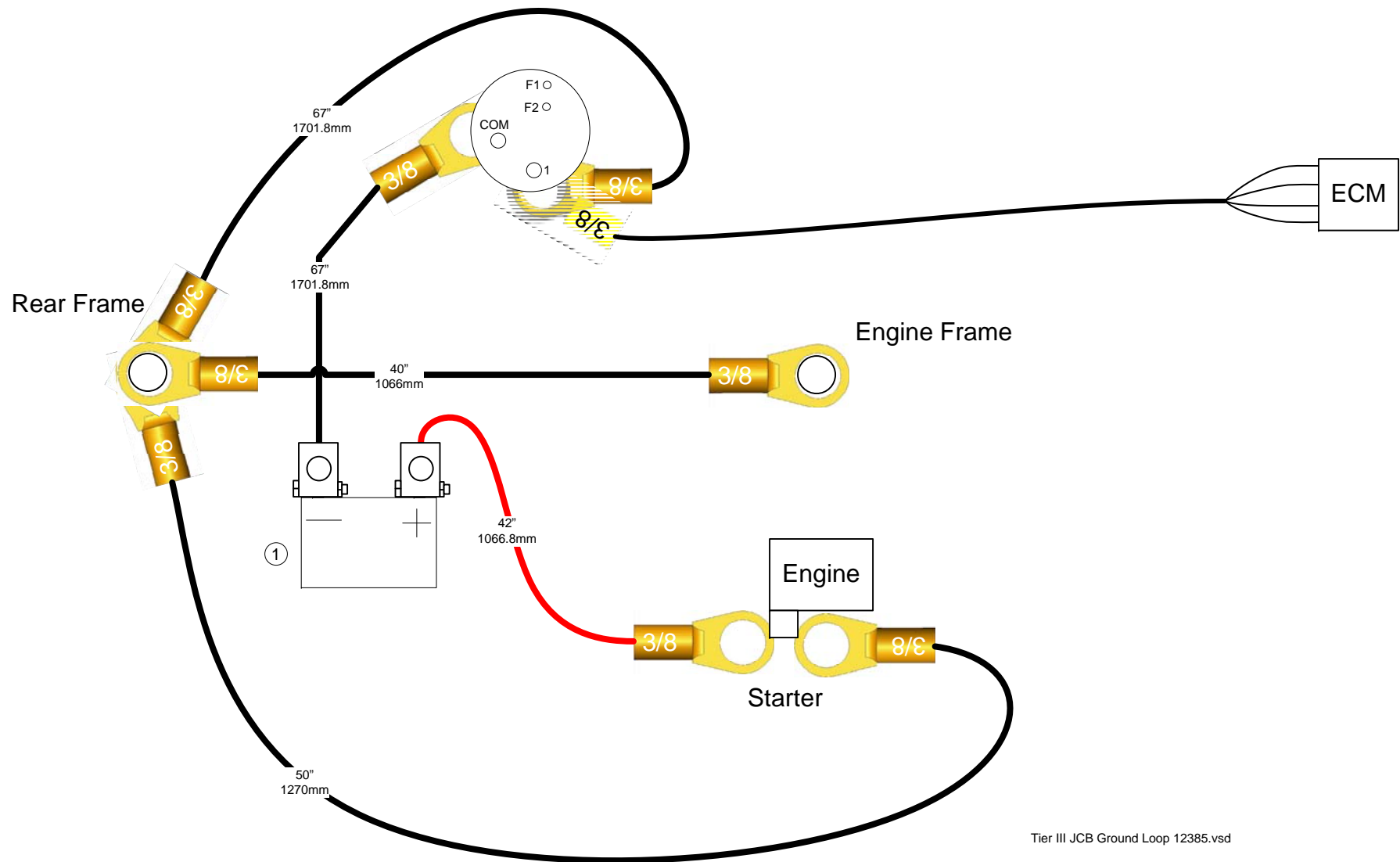
81974-W3-JCB-1 Alt to Starter for charging - Starting Serial 12385
Red #4 Wire



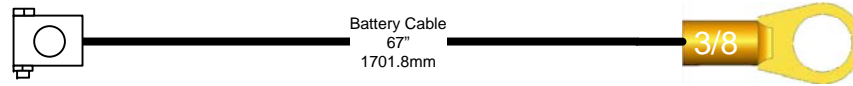
81974-W7-JCB Glow Plug Relay to Glow Plug - Starting Serial 12385
Red #4 Wire



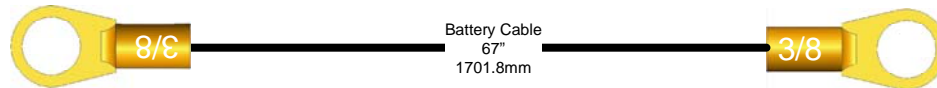
81974-W8-JCB Glow Plug Ground to Engine Frame - Starting Serial 12385
Black #4 Wire



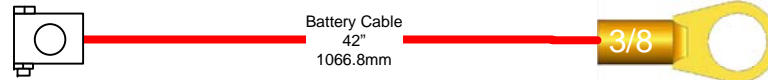
Grounding Loop - Starting Serial 12385				
1	Battery 12v - Group 31		80586	1
2	Perko Battery Disconnect	9604DP	80586-01	1



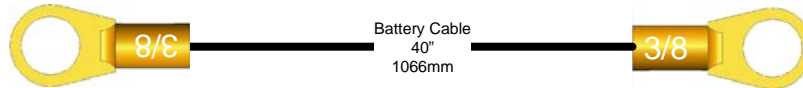
Battery to Switch



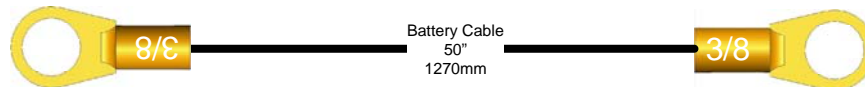
Switch to Rear Frame



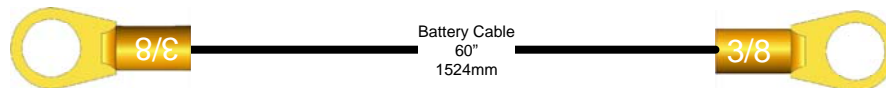
Battery to Start



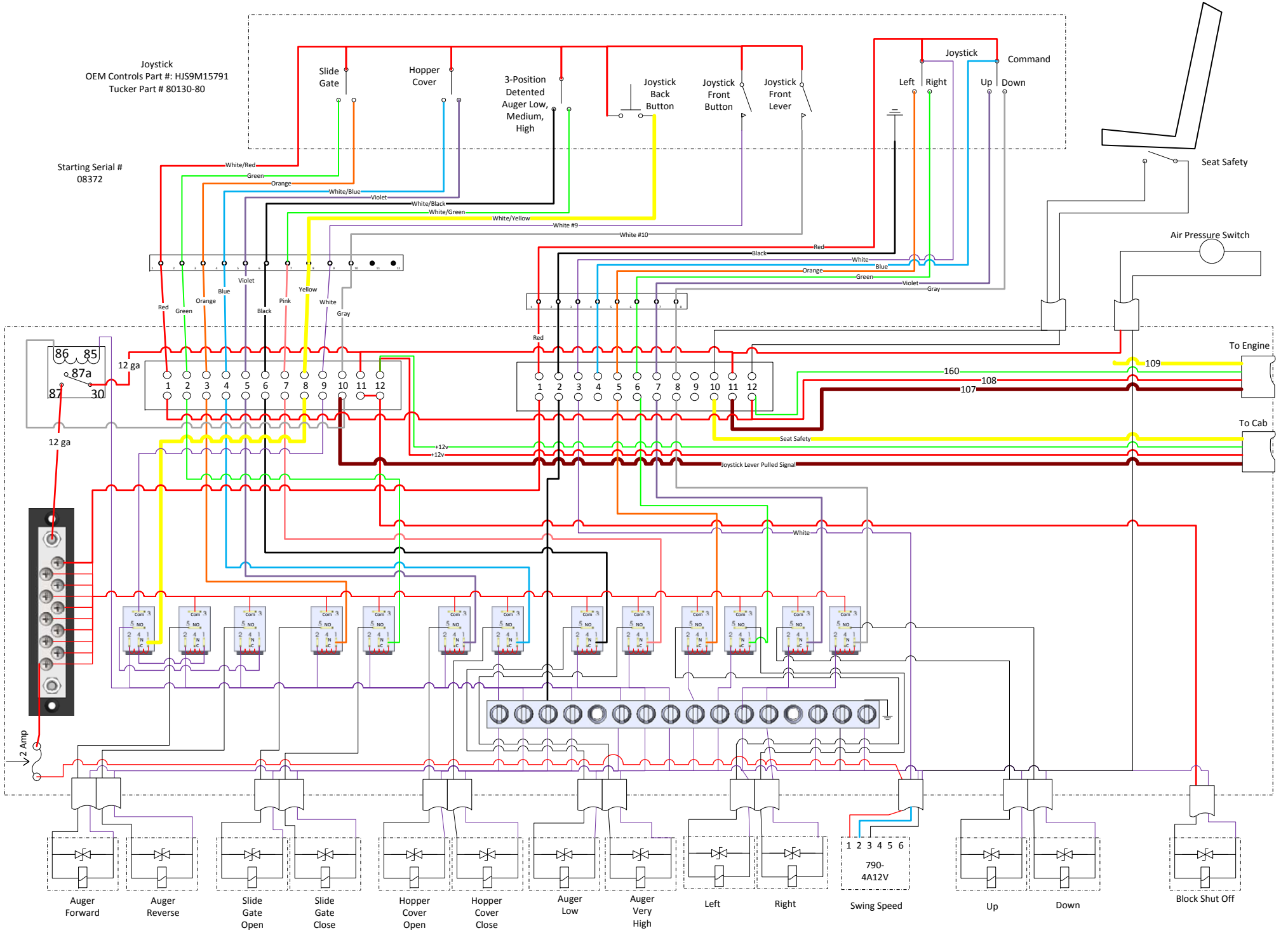
Rear Frame to Engine Frame



Rear Frame to Starter Ground

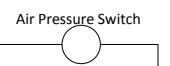
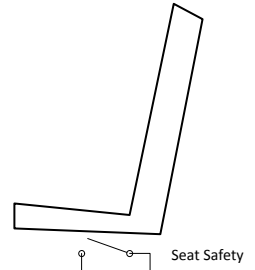


2 Req'd

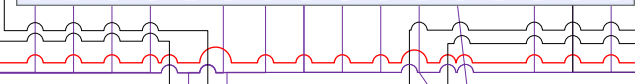
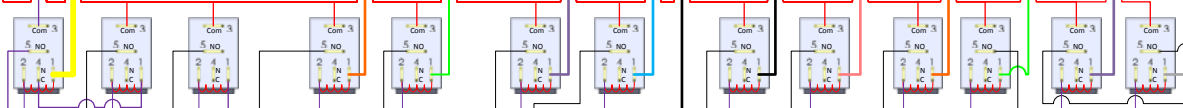
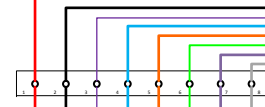
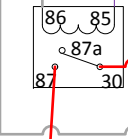


Joystick
 OEM Controls Part #: HJS9M15791
 Tucker Part # 80130-80

Starting Serial #
 08372

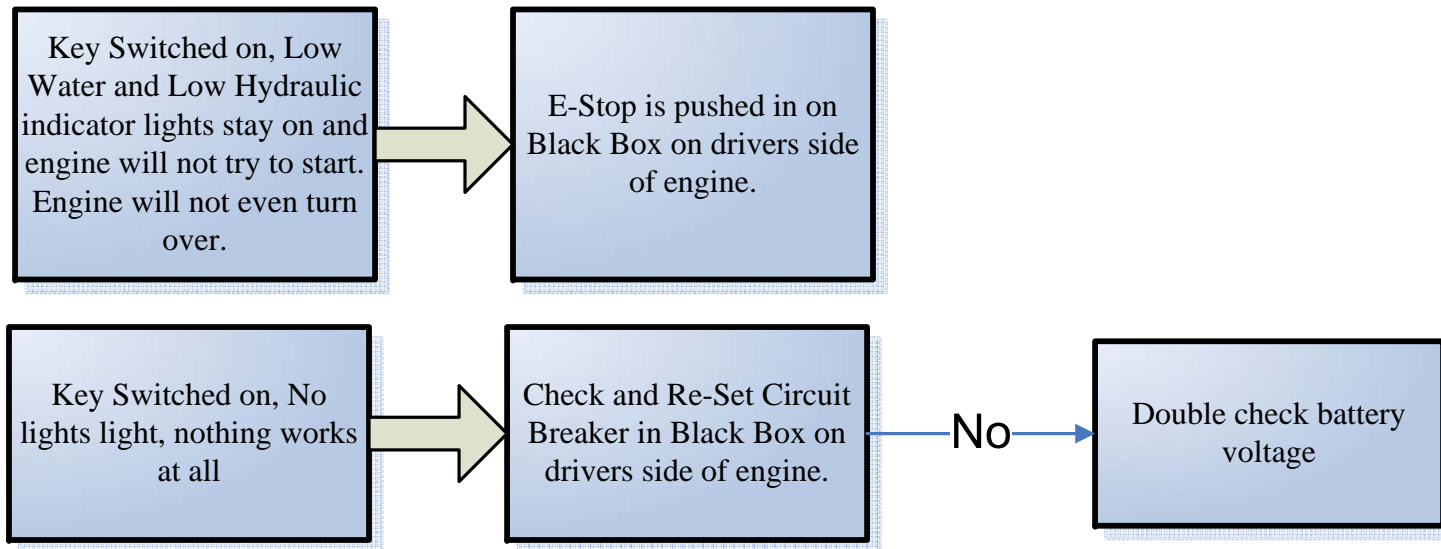


To Engine
 To Cab



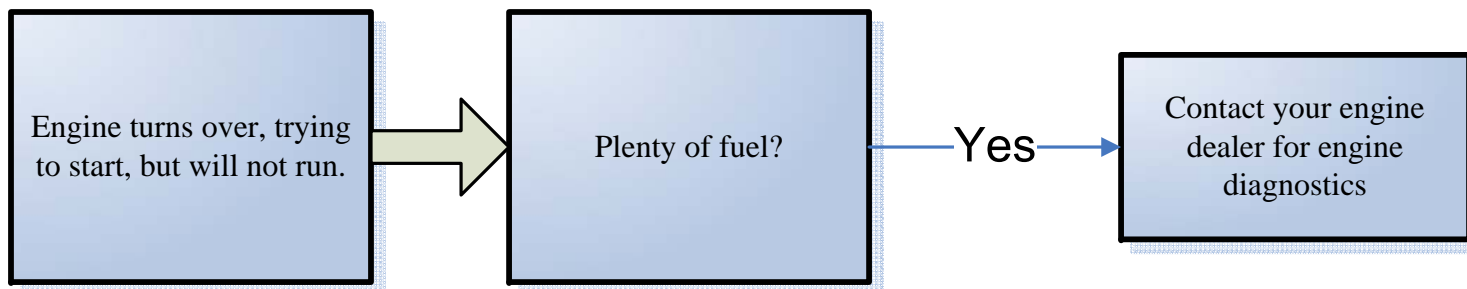
- Auger Forward
- Auger Reverse
- Slide Gate Open
- Slide Gate Close
- Hopper Cover Open
- Hopper Cover Close
- Auger Low
- Auger Very High
- Left
- Right
- Swing Speed
- Up
- Down
- Block Shut Off

Tier III T-630 Engine Trouble Shooting

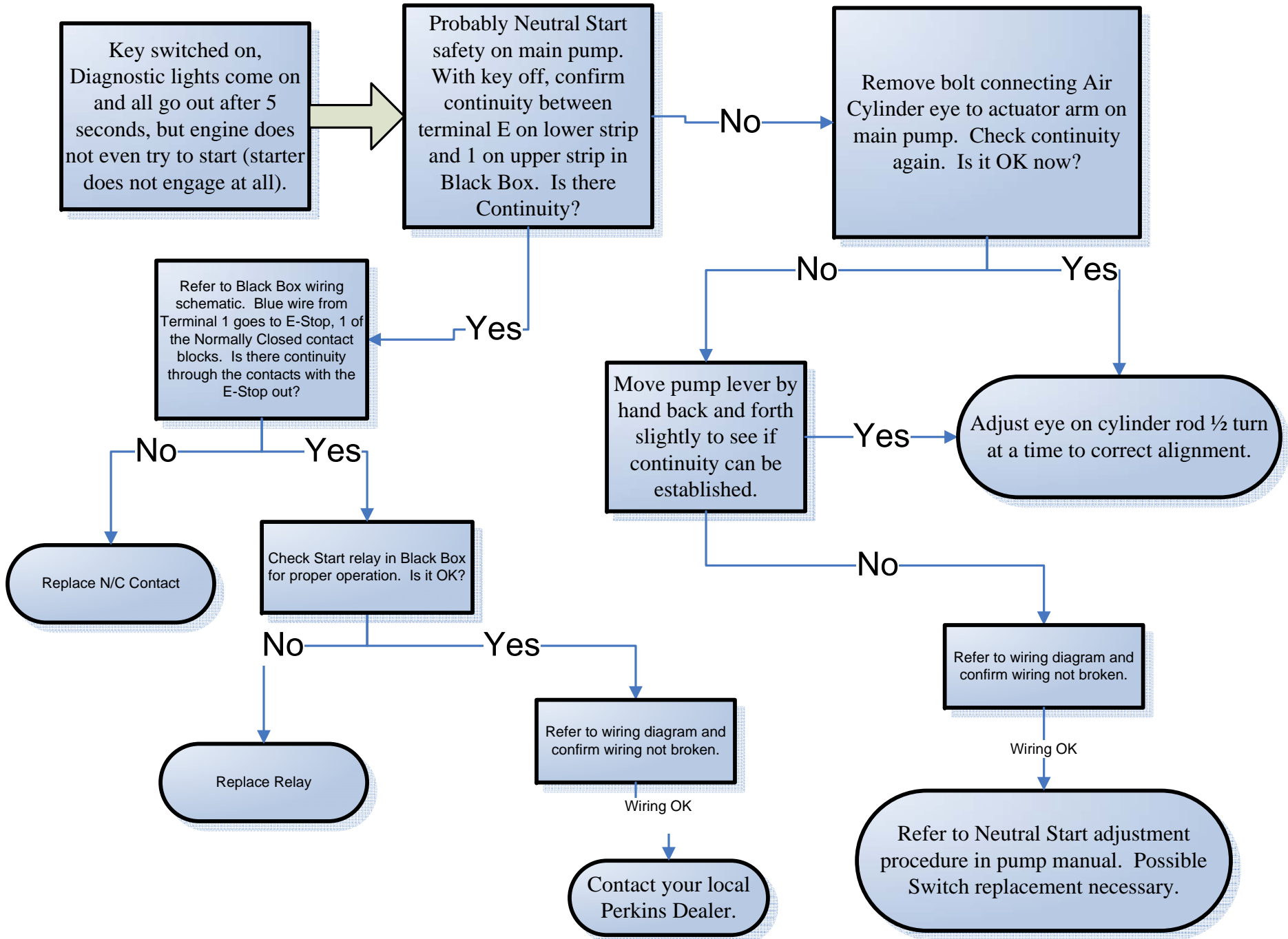


Check all fuses in Black Box by engine.

Check 25 Amp fuse in power wire from Battery to ECM.
This fuse is near the positive terminal of the battery.



Tier III T-630 Engine Trouble Shooting



Bolt Tightening Torque

All values ft-lb unless otherwise noted

To convert ft-lb to in-lb: $lb \times 12 = in-lb$

Example: $9 \text{ ft-lb} \times 12 = 108 \text{ in-lb}$

Example: $75 \text{ in-lb} / 12 = 6.25 \text{ ft-lb}$

Multiply by 1.3558 to get N-m

U.S Bolt Threads

Thread Size	Grade 5	Grade 8		Thread Size	Grade 5	Grade 8
Coarse thread				Fine thread		
1/4-20 (.250)	76 in-lb	9		1/14-28 (.250)	87 in-lb	10
5/16-18 (.3125)	13	18		5/16-24 (.250)	14	20
3/8-16 (.375)	23	33		3/8-24 (.375)	26	37
7/16-14 (.4375)	37	52		7/16-20 (.4375)	41	58
1/2-13 (.500)	57	80		1/2-20 (.500)	64	90
9/16-12 (.5625)	82	115		9/16-18 (.5625)	91	129
5/8-11 (.625)	112	159		5/8-18 (.5625)	128	180
3/4-10 (.750)	200	282		3/4-16 (.750)	223	315
7/8-9 (.875)	322	454		7/8-14 (.875)	355	501
1-8 (1.000)	483	454		1-12 (1.000)	529	746
1 1/8-7 (1.125)	596	966		1-14 (1.000)	541	764
1 1/4-7 (1.250)	840	1363		1 1/8-12 (1.125)	668	1083
1 3/8-6 (1.375)	1102	1787		1 1/4-12 (1.250)	930	1509
1 1/2-6 (1.500)	1462	2371		1 3/8-12 (1.375)	1254	2034
				1 1/2-12 (1.500)	1645	2668

Metric Bolt Threads

Thread Size	Grade 8.8	Grade 10.9			
M4 x .70	2.30				
M5 x .80	4.58	7.00			
M6 x 1.00	7.80	11.63			
M8 x 1.25	18.75	27.75			
M8 x 1.00	20.25				
M10 x 1.50	38.25	56.25			
M10 x 1.00	42.75				
M10 x 1.25	40.50				
M12 x 1.75	65.25	97.50			
M12 x 1.25	72.00				
M12 x 1.50	69.00				
M14 x 2.00	105.00	153.75			
M14 x 1.50	112.50				
M16 x 2.00	161.25	232.50			
M18 x 2.50	225.00				
M20 x 2.50	322.50				
M22 x 2.50	435.00				
M24 x 3.00	555.00				

Torque Conversion Chart English to Metric

Foot Pounds (ft. lbs.)	Newton Meters (N-m)	Foot Pounds (ft. lbs.)	Newton Meters (N-m)	Foot Pounds (ft. lbs.)	Newton Meters (N-m)	Foot Pounds (ft. lbs.)	Newton Meters (N-m)	Foot Pounds (ft. lbs.)	Newton Meters (N-m)
1 =	1.3	32 =	43.4	63 =	85.4	94 =	127.4	125 =	169.5
2 =	2.7	33 =	44.7	64 =	86.8	95 =	128.8	126 =	170.8
3 =	4.1	34 =	46.1	65 =	88.1	96 =	130.2	127 =	172.2
4 =	5.4	35 =	47.4	66 =	89.5	97 =	131.5	128 =	173.5
5 =	6.8	36 =	48.8	67 =	90.8	98 =	132.9	129 =	174.9
6 =	8.1	37 =	50.7	68 =	92.2	99 =	134.2	130 =	176.2
7 =	9.5	38 =	51.5	69 =	93.6	100 =	135.6	131 =	177.6
8 =	10.8	39 =	52.9	70 =	94.9	101 =	136.9	132 =	179
9 =	12.2	40 =	54.2	71 =	96.3	102 =	138.3	133 =	180.3
10 =	13.6	41 =	55.6	72 =	97.6	103 =	139.6	134 =	181.7
11 =	14.9	42 =	56.9	73 =	99	104 =	141	135 =	183
12 =	16.3	43 =	58.3	74 =	100.3	105 =	142.4	136 =	184.4
13 =	17.6	44 =	59.7	75 =	101.7	106 =	143.7	137 =	185.7
14 =	18.9	45 =	61	76 =	103	107 =	145.1	138 =	187.1
15 =	20.3	46 =	62.4	77 =	104.4	108 =	146.4	139 =	188.5
16 =	21.7	47 =	63.7	78 =	105.8	109 =	147.8	140 =	189.8
17 =	23	48 =	65.1	79 =	107.1	110 =	149.1	141 =	191.2
18 =	24.4	49 =	66.4	80 =	108.5	111 =	150.5	142 =	192.5
19 =	25.8	50 =	67.8	81 =	109.8	112 =	151.8	143 =	193.9
20 =	27.1	51 =	69.2	82 =	111.2	113 =	153.2	144 =	195.2
21 =	28.5	52 =	70.5	83 =	112.5	114 =	154.6	145 =	196.6
22 =	29.8	53 =	71.9	84 =	113.9	115 =	155.9	146 =	198
23 =	31.2	54 =	73.2	85 =	115.2	116 =	157.3	147 =	199.3
24 =	32.5	55 =	74.6	86 =	116.6	117 =	158.6	148 =	200.7
25 =	33.9	56 =	75.9	87 =	118	118 =	160	149 =	202
26 =	35.2	57 =	77.3	88 =	119.3	119 =	161.3	150 =	203.4
27 =	36.6	58 =	78.6	89 =	120.7	120 =	162.7	151 =	204.7
28 =	38	59 =	80	90 =	122	121 =	164	152 =	206.1
29 =	39.3	60 =	81.4	91 =	123.4	122 =	165.4	153 =	207.4
30 =	40.7	61 =	82.7	92 =	124.7	123 =	166.8	154 =	208.8
31 =	42	62 =	84.1	93 =	126.1	124 =	168.1	155 =	210.2

INSPECT DAILY

- Oil, fuel or coolant leaks (*see fluid under pressure warning on page 9*)
- Head Lights and Work Lights
- Back Up Alarm operation
- Back Up Lights
- Brake Pedal and Service Brakes
- Parking Brake
- Accelerator Pedal
- Seat Belt
- Seat Adjustment
- Horn
- Steering Wheel
- Battery

SERVICE DAILY

- Grease all fittings
- Grease turntable on left and right side of machine after opening turntable cover door(s)
 - Check turntable main chain tension.
 - Check chain tension on turntable swing motor.
 - Check auger drive chain tension.
- Check engine air breather indicator.
- Check engine oil level and top off if necessary.
- With engine cold, check engine water level and top off if necessary.
- Check hydraulic level
- Check oil level in front axle on left and right sides and add gear lube if necessary.
- Fuel the T-630
- Check Tire Pressure to confirm it is 65 PSI (4.48 Bars). You may skip this if your T-630 is equipped with Urethane-filled tires.
- Check all Wheel Nuts and Rims, front and back, left and right to ensure all hardware is in place and appears tight.
- Drain Air Tank



MACHINE AND STEEL SERVICE, INC.

Post Office Box 492810 ■ Leesburg, Florida 34749-2810

(352) 787-3157 ■ Fax (352) 365-1732

www.Tuckerbilt.com