

DCL800SM

Automated Self Contained Leaf Collector



Owner's Manual
Safety Manual
Pre-Operating Manual
Operating Manual
Maintenance Manual
Service Manual
Parts Catalog

2021 Edition

XTREME VAC
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823



DCL800SM



CAUTION

**DO NOT ATTEMPT TO OPERATE
OR REPAIR
THE LEAF COLLECTOR WITHOUT FIRST
READING AND UNDERSTANDING THIS
MANUAL**

IF YOU HAVE ANY QUESTIONS CONCERNING THE
INSTALLATION OR OPERATION OF THIS UNIT, PLEASE CALL
ODB FOR ASSISTANCE BEFORE ATTEMPTING TO REPAIR OR
OPERATE THE UNIT.

**IMPROPER USE OF ANY MACHINE CAN
RESULT IN SERIOUS INJURY!**

**STUDY AND FOLLOW ALL SAFETY
PRECAUTIONS BEFORE OPERATING OR
REPAIRING UNIT**

THIS MANUAL IS AN INTEGRAL PART OF THE LEAF COLLECTOR AND SHOULD
BE KEPT WITH THE UNIT WHEN IT IS SOLD.

**ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823**



Safety Section

WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.



DANGER

DO NOT RIDE, SIT OR STAND ON UNIT.

**RIDING ON UNIT
COULD RESULT IN BODILY
HARM OR FATAL INJURY
USE EXTREME CAUTION WHEN
UNIT IS IN USE, OR IN MOTION.**

If the decal above is missing or damaged call ODB immediately and we will send you a replacement free of charge. Never operate a unit with damaged or missing safety decals.

 DANGER






DO NOT RIDE, SIT OR STAND ON UNIT

 DANGER

DO NOT MODIFY THE UNIT FOR RIDERS IN ANY WAY. SERIOUS INJURY OR DEATH MAY OCCUR

ODB's leaf collectors are NEVER to be used to accommodate riders. If your unit has been modified to accommodate riders, remove these modifications immediately as this can result in serious injury or death.

DIESEL REGEN CHART

Indicators	Description	Operator Action
Exhaust Filter Cleaning Indicator 	Active when: 1. Exhaust gas temperature is high. 2. Elevated idle is active. 3. Exhaust filter cleaning is in process.	Machine can be operated as normal. If operating in an area where high exhaust temperatures may be an issue, abort exhaust filter cleaning by using the disable feature.
Exhaust Filter Indicator 	Active when: Soot level in the exhaust filter indicates need for an exhaust filter cleaning.	Enable auto filter cleaning to allow a cleaning cycle. OR Begin a manual / parked cleaning.
Exhaust Filter and Warning Indicators 	Active when: Machine performance is reduced due to moderately high soot level.	Begin a manual / parked cleaning.
Exhaust Filter and Stop Indicator 	Active when: Exhaust filter requires service. Machine performance is reduced due to Extremely High soot level and a stop engine request is made.	Service the exhaust filter. Contact your servicing dealer.
Auto Cleaning Disabled Indicator 	Active when: Auto exhaust filter cleaning is disabled.	If possible, enable auto cleaning.

⚠ WHEN THE UNIT IS UNDERGOING REGEN, WHETHER IT BE AUTOMATIC OR MANUAL, DO NOT TURN THE MACHINE OFF! THIS IS HIGHLY DETRIMENTAL TO THE UNIT. ALLOW IT TO FINISH ITS PROCESSES.

IF YOU NEED TO STOP THE CLEANING, USE THE INHIBIT BUTTON TO STOP THE REGEN PROCESS AND MOVE TO A SAFE AREA TO RESUME

⚠ IF YOU HAVE A 74HP OR BELOW: THERE WILL BE A "LOW DEF FLUID" ICON ON THE SCREEN, THIS IS NORMAL.

75HP AND ABOVE: THE SCREEN CAN MONITOR YOUR DEF LEVELS AND NOTIFY YOU WHEN IT IS BELOW OPTIMAL LEVELS

Municipal Products
Since 1910



Municipal Products
Since 1910

**5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823
www.odbco.com or
www.leafcollector.com**

THANK YOU

Thank you and Congratulations on your purchase of your ODB Leaf Collector. Your ODB leaf collector has been carefully designed and manufactured to give you a maximum amount of dependability and years of trouble-free operation. Take comfort in the fact the ODB has been manufacturing municipal products since 1910 and takes pride in our product's quality and our customer service.

Please take the time to thoroughly read this manual, as well as the engine manual, in its entirety before operating, maintaining, servicing or repairing your leaf collector. Please thoroughly review and follow all the safety procedures located in this manual.

Whenever you need replacement parts, service information or any question regarding your ODB product please feel free to contact us at 800-446-9823 or www.odbco.com.

Please record the following information for future reference:

Model No.:	_____
Serial No.:	_____
Vin No:	_____
Engine Serial No.:	_____
Date of Purchase:	_____

Table of Contents



Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

Table of Contents

Contents

DCL800SM.....	1
Table of Contents	6
1.0 GENERAL SAFETY	
1.1 Safety Symbol Definitions	11
1.2 Do's and Do Not's:.....	12
1.3 Training:.....	14
1.4 Safety Decals	15
1.5 Serial Number Location	17
2.0 PRE-OPERATING SECTION	
2.1 Safe Operations:.....	19
2.2 Preparation For Operation.....	21
2.3 Pre-Transport Checks.....	22
2.4 Personal Protective Equipment and Clothing	23
2.5 Work Site Preparation	24
3.0 OPERATING SECTION	
3.1 Basic Operations	26
3.2 Knowing The Screen.....	27
3.2 Knowing The Screen.....	28
3.3 Boom Screen.....	29
3.4 Dump Screen.....	30
3.5 Diagnosis.....	31
3.5 Diagnosis.....	32
3.6 Logs.....	33
3.7 DTC Codes.....	34
3.8 Joystick	35
3.9 Fluid Drive Coupler (if equipped)	36
4.0 MAINTENANCE SECTION	
4.1 Maintenance Overview:	38
4.2 Maintenance and Lubrication	39
4.3 Lubrication:.....	40
4.3 Lubrication, continued;	41
4.3 Lubrication, continued;	42
4.3 Lubrication, continued;	43
4.4 Preventative Maintenance	44
4.5 Torque Values	49
4.6 Kraft Fluid Drive Maintenance (Optional)	50
5.0 SERVICE SECTION	
5.1 Removing Blower Housing Face	54
5.2 Replacing the Drive Bearings(if equipped)	55
5.2 Replacing the Drive Belt (if equipped),	56
5.2 Replacing the Drive Bearings (if equipped), continued.....	57

Table of Contents

⚠ WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

5.3 Impeller Installation and Removal.....	58
5.3 Impeller Installation and Removal, continued	59
5.4 Replacing the Blower Housing Liners	60
5.4 Replacing the Blower Housing Liners; continued,	61
5.5 Auto Mfg. Clutch Adjustment - 2008 and after	62
6.0 ENGINE GROUP	
Air Cleaner Group.....	65
Sheet Metal Group	68
Engine Mount Group	74
Radiator Assembly And Muffler Group.....	77
Kubota Common Service.....	81
Kubota Sheet Metal Group	82
Kubota Air Cleaner Group	83
Kubota Exhaust Component Group.....	84
Electronics and Components Group.....	85
Remote Clutch	90
7.0 CLUTCH GROUP	
AutoHD PTO Clutch Group.....	92
AutoHD PTO Assembly Group	93
AutoHD PTO Linkage Group.....	94
Clutch Assist Group	95
Kraft Fluid Drive Group (Optional).....	96
Kraft Fluid Drive Installation (Optional).....	97
Kraft Fluid Drive Breakdown (Optional)	98
Kraft Fluid Drive Common Parts (Optional).....	99
8.0 SKID GROUP	
Blower Housing Group.....	101
Skid Base Group.....	106
Pedestal Group	110
Hydraulic Group.....	113
9.0 Chassis and Hopper Group	
Fuel Tank Group	116
Chassis and Auto Door Latch Group.....	118
Box Group.....	122
Light and Reflector Group	124
10.0 HOSE BOOM GROUP	
Boom Assembly, Group.....	126
H Frame Group	130
Auburn Gear Drive Assembly.....	133

Table of Contents

⚠ WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

11.0 SPECIAL OPTIONS

<u>Bottom Exhaust.....</u>	<u>135</u>
<u>Hood Scoop.....</u>	<u>137</u>
<u>Chipper Door.....</u>	<u>140</u>
<u>Miscellaneous.....</u>	<u>141</u>

Safety Section

WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

1.0 GENERAL SAFETY

1.0 GENERAL SAFETY

Contents

DCL800SM.....	1
Table of Contents	6
1.0 GENERAL SAFETY	
1.1 Safety Symbol Definitions	11
1.2 Do's and Do Not's:.....	12
1.3 Training:.....	14
1.4 Safety Decals	15
1.5 Serial Number Location	17

Safety Section

⚠ WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.



⚠ DANGER

DO NOT RIDE, SIT OR STAND ON UNIT.

**RIDING ON UNIT
COULD RESULT IN BODILY
HARM OR FATAL INJURY
USE EXTREME CAUTION WHEN
UNIT IS IN USE, OR IN MOTION.**

If the decal above is missing or damaged call ODB immediately and we will send you a replacement free of charge. Never operate a unit with damaged or missing safety decals.

⚠ DANGER

DO NOT RIDE, SIT OR STAND ON UNIT

⚠ DANGER

DO NOT MODIFY THE UNIT FOR RIDERS IN ANY WAY. SERIOUS INJURY OR DEATH MAY OCCUR

ODB's leaf collectors are NEVER to be used to accommodate riders. If your unit has been modified to accommodate riders, remove these modifications immediately as this can result in serious injury or death.

Safety Section





WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

1.1 Safety Symbol Definitions

This manual provides the owners/operator with procedures for safe operation, maintenance and repair of your leaf collector. As with any machine, there are hazards associated with their operation. For this reason safety is emphasized throughout this manual. To highlight specific safety information the following safety definitions are provided to assist the reader.

The purpose of safety symbols are to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

SYMBOL	MEANING
	SAFETY ALERT SYMBOL: Indicates danger, warning or caution. Attention is required in order to avoid serious personal injury. May be used in conjunction with other symbols or pictographs.
 DANGER	Disregarding this safety warning WILL result in serious equipment damage, injury or possible death.
 WARNING	Disregarding this safety warning CAN result in serious equipment damage, injury or possible death.
 CAUTION	Disregarding this safety warning MAY result in minor or moderate injury or property damage.

Safety Section

WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

1.2 Do's and Do Not's:

This section contains some general safety precautions to do and not to do. This is not an all inclusive list and it is the responsibility of the operator to have proper training and use common sense in work situations.

WARNING

DO NOT:

1. **DO NOT** operate, maintain or repair this unit without having fully read and understood ALL the aspects of this manual.
2. **DO NOT** ride, sit or stand on unit at anytime.
3. **DO NOT** modify the leaf vacuum for any reasons to allow for riders.
4. **DO NOT** operate the unit in a state of disrepair.
5. **DO NOT** operate the unit with ANY guards or safety devices broken, missing, or inoperable.
6. **DO NOT** operate the unit without wearing proper safety equipment.
7. **DO NOT** operate this unit while under the influence of any alcohol or medication.
8. **DO NOT** operate this unit if you have a record of mental instability or dizziness which could result in injury to yourself or others.
9. **DO NOT** operate this unit if you are under 18 years of age.
10. **DO NOT** operate this unit without fully inspecting the unit for any damage or leakage.
11. **DO NOT** operate if the unit has any excessive vibration.
12. **DO NOT** operate unit with the inspection door limit switch damaged or missing.
13. **DO NOT** operate unit unless it is properly connected to a leaf collection box.
14. **DO NOT** operate unit unless it is properly attached to the tow vehicle.
15. **DO NOT** tow unit without using all the safety chains.
16. **DO NOT** tow unit with a damaged tongue.
17. **DO NOT** fill fuel tank with engine running. Allow engine to cool for 5 minutes before refueling.
18. **DO NOT** operate unit if fuel is spilled or with fuel cap off.
19. **DO NOT** smoke or weld near the unit.
20. **DO NOT** run engine in an enclosed area.
21. **DO NOT** place hands or feet near moving or rotating parts.

Safety Section

WARNING

Do Not, continued;

22. **DO NOT** operate engine with an accumulation of grass, leaves or other debris on the engine.
23. **DO NOT** run engine with air cleaner removed.
24. **DO NOT** leave leaf machine unattended while in operation.
25. **DO NOT** park machine on steep grade or slope.
26. **DO NOT** vacuum a leaf pile without looking for foreign objects such as metal, glass, plastic or large pieces of wood.

WARNING

Do's:

1. **DO** completely read and understand the owner's manual before operating, maintaining or repairing the leaf collector.
2. **DO** follow engine and PTO manufacturer operating and maintenance instructions.
3. **DO** check fuel lines and fittings frequently for cracks or leaks. Replace if necessary.
4. **DO** completely inspect the unit before leaving the service garage.
5. **DO** check the tow tongue each day for cracks.
6. **DO** inspect and be attentive to what is being vacuumed.
7. **DO** check the impeller, liners and blower housing for cracks or holes daily.
8. **DO** wear proper safety equipment as described in this manual.
9. **DO** watch for pedestrians, animals and other foreign material when vacuuming leaves.
10. **DO** replace any worn or missing safety stickers immediately.

WARNING

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Wash Hands after handling

WARNING

Engine Exhaust, some its constituents and certain vehicle components contain or emit chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

Safety Section

1.3 Training:

WARNING

Improper use of the ODB leaf collector CAN result in severe personal injury or death. All personnel using this leaf vacuum must be trained and qualified with all the operations, maintenance, repair and safety procedures defined in this manual.

The warnings and procedures regarding safety in this manual are to be used as a guideline only. It is impossible to cover all the events that could happen in the vacuuming process. For this reason, it is vital that the owner accept the responsibility to implement a training program that will provide every operator or mechanic the basic skills and knowledge to make good judgement in all situations.

This training program must include the entire scope of hazards, precautions and government regulations encountered in the vacuuming process. The program should stress the need for regularly scheduled preventive maintenance and detailed equipment safety checks.

It is strongly recommended that all training programs be documented to ensure all operators and mechanics receive initial training on not just the operation but the safety features of the leaf collector.

Safety Section

1.4 Safety Decals

***Read and Follow all Safety Sticker Warnings--Replace all damaged or missing stickers immediately.**



1,2,3,4,5,6,9,
10,11,15

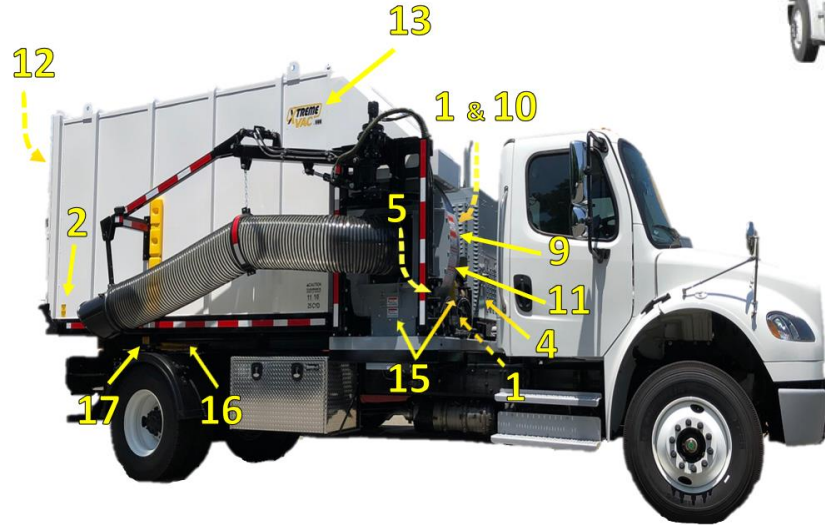
Decals shown on next page

ITEM NO.	PART NUMBER	DESCRIPTION
*	800T19DK	Decal Kit - Trucks (includes 1 -15)
1.	200183	Danger--Rotating Parts
2.	200106	Caution- Pinch Point
3.	200192	Caution - Do Not Operate ... without reading manual
4.	200193	Caution - Allow Engine to Idle
5.	200194	Caution - Do not use Dielectric grease
6.	200178	Danger - Explosion hazard
7.	Call	SCL800 oval sticker
8.	200195	Clean Hopper screens
9.	200181	Warning - Head, Eye and Ear Protection
10.	200109	Do Not Over-Lubricate
11.	200179	Danger - Do Not Ride, Sit or Stand
12.	XVODB2DK	XVAC BIG Sticker
13.	XVODBDK	XVAC SMALL sticker
14.	200177	Warning - Flammable
15.	200182	Warning - Do not open cover while in operation
*Not in Kit	16. *200190	Caution - Unload Body Prop
	17. *200187	Caution - Body must be braced
	18. *Call	Caution - Operation of body prop

Safety Section

1.4 Safety Decals

***Read and Follow all Safety Sticker Warnings--Replace all damaged or missing stickers immediately.**



Decals shown on next page

ITEM NO.	PART NUMBER	DESCRIPTION
*	800T19DK	Decal Kit - Trucks (includes 1 -15)
1.	200183	Danger--Rotating Parts
2.	200106	Caution- Pinch Point
3.	200192	Caution - Do Not Operate ... without reading manual
4.	200193	Caution - Allow Engine to Idle
5.	200194	Caution - Do not use Dielectric grease
6.	200178	Danger - Explosion hazard
7.	Call	SCL800 oval sticker
8.	200195	Clean Hopper screens
9.	200181	Warning - Head, Eye and Ear Protection
10.	200109	Do Not Over-Lubricate
11.	200179	Danger - Do Not Ride, Sit or Stand
12.	XVODB2DK	XVAC BIG Sticker
13.	XVODBDK	XVAC SMALL sticker
14.	200177	Warning - Flammable
15.	200182	Warning - Do not open cover while in operation
*Not in Kit	16. *200190	Caution - Unload Body Prop
	17. *200187	Caution - Body must be braced
	18. *Call	Caution - Operation of body prop

Safety Section

2

⚠ WARNING
ROTATING PARTS

- BEFORE OPERATING READ OPERATORS MANUAL FOR OPERATING AND SAFETY INSTRUCTIONS.
- DO NOT OPERATE WITH ANY GUARDS OR COMPONENT PARTS REMOVED FROM UNIT.
- BEFORE MAKING AND ADJUSTMENTS OR REPAIRS STOP ENGINE AND REMOVE SPARK PLUG WIRE.
- WHILE IN OPERATION KEEP ALL PARTS OF BODY AWAY FROM INTAKE AND EXHAUST SECTIONS.
- WHEN OPERATING MACHINE KEEP PEOPLE AND PETS A SAFE DISTANCE AWAY.

RPODB-10

⚠ ADVERTENCIA
PIEZAS EN ROTACION

- ANTES DE USAR LEA LAS INSTRUCCIONES DE OPERACION Y SEGURIDAD EN EL MANUAL DEL OPERADOR.
- NO OPERE SI CUALQUIER PROTECTOR O COMPONENTE FUE RETIRADO DE LA UNIDAD.
- ANTES DE HACER CUAL QUIERA AJUSTE O REPARACION, DETIENGA EL MOTOR Y RETIRE EL CABLE DE LA BUJIA.
- MIENTRAS ESTA EN OPERACION, MANTENGA ALEJADAS TODAS LAS PARTES DEL CUERPO DE LAS SECCIONES DE ADMISION Y ESCAPE.
- CUANDO LA MAQUINA ESTE EN FUNCIONAMIENTO, MANTENGA A LAS PERSONAS Y MASCOTAS A UNA DISTANCIA SEGURA.

RPODB-10

⚠ CAUTION
PINCH POINT
TO HELP AVOID INJURY FROM FRAME PIVOT AND STOPS
Keep Hands, Feet And Clothing Away

RPODB-30

⚠ PRECAUCION
PUNTO DE ENGANCHE PARA EVITAR HERIDAS DEL PIVOTE DEL BASTIDOR Y LAS PARADAS
aleje las manos, los pies y las prendas de vestir

RPODB-30

4

⚠ CAUTION
DO NOT ATTEMPT TO OPERATE OR REPAIR THIS UNIT WITHOUT FIRST READING AND UNDERSTANDING THE OPERATORS & SERVICE MANUAL

RPODB-20

⚠ PRECAUCION
NO INTENTE OPERAR O REPARAR ESTA UNIDAD SIN PRIMERO LEER Y ENTENDER EL MANUAL DE SERVICIO Y DE OPERACION

RPODB-20

⚠ CAUTION
ALLOW ENGINE TO IDLE BEFORE SHUTTING OFF

RPODB-18

⚠ PRECAUCION
DESACELERE EL MOTOR ANTES DE APAGARLO

RPODB-18

6

⚠ CAUTION
DO NOT USE DIELECTRIC GREASE ON ELECTRICAL SYSTEM. DOING SO WILL VOID WARRANTY.

RPODB-10

⚠ DANGER
EXPLOSION HAZARD
DO NOT CUT, BURN OR WELD WITHOUT FIRST REMOVING OR COMPLETELY PURGING THE FUEL TANK

CONSULT OWNERS MANUAL RPODB-4

⚠ PELIGRO
DE EXPLOSION
NO CORTE, QUEME O SOLDE SIN ANTES ELIMINAR O PURGAR POR COMPLETO EL TANQUE DE COMBUSTIBLE

CONSULTE EL MANUAL DE USUARIO RPODB-4



7

8 CLEAN HOPPER SCREENS EVERY 8-10 HRS

⚠ WARNING
HEAD, EYE AND EAR PROTECTION REQUIRED WHILE OPERATING THIS EQUIPMENT

RPODB-4

⚠ ADVERTENCIA
SE REQUIERE USAR PROTECCION PARA LA CABEZA, OJOS Y OIDOS MIENTRAS OPERA ESTE EQUIPO

RPODB-4

DO NOT OVER-LUBRICATE
BEARING SHOULD BE LUBRICATED EVERY 10-15 HOURS OF OPERATION WITH .2 OZ. (ABOUT 2 STROKES OF AVERAGE GREASE GUN) OF APPROVED LUBRICANT. USE THE ENGINE HOUR METER AS A REFERENCE.

SEE YOUR OWNER'S MANUAL RPODB-28

10

⚠ DANGER
DO NOT RIDE, SIT OR STAND ON UNIT.
RIDING ON UNIT COULD RESULT IN BODILY HARM OR FATAL INJURY
USE EXTREME CAUTION WHEN UNIT IS IN USE, OR IN MOTION.

RPODB-11

⚠ PELIGRO
NO SE SUBA, SIENDE O PARE SOBRE LA UNIDAD.
SUBIRSE A LA UNIDAD PUEDE RESULTAR EN LESIONES GRAVE O LETALES. TENGA EXTREMA PRECAUCION CUANDO ESTA UNIDAD ESTE EN USO O MOVIMIENTO.

RPODB-11



12

⚠ WARNING
FLAMMABLE

RPODB-9

⚠ ADVERTENCIA
FLAMMABLE

RPODB-9

17

⚠ CAUTION

- BODY MUST BE BRACED BEFORE SERVICING HOIST OR WORKING IN AREA WITH BODY IN RAISED POSITION
- LUBRICATE HOIST GREASE FITTINGS OFTEN - AT LEAST EACH TIME TRUCK IS SERVICED
- TRUCK MUST BE LEVEL FOR DUMPING
- DO NOT OVERLOAD

©2015 WEL, INC.

⚠ WARNING
DO NOT OPEN COVER WHILE IN OPERATION

RPODB-11

⚠ ADVERTENCIA
NO ABRA LA CUBIERTA MIENTRAS ESTA EN FUNCIONAMIENTO

RPODB-11

16

⚠ CAUTION
UNLOAD BODY BEFORE USING BODY PROP.

18

OPERATION OF BODY PROP

- Raise body to full height and shut off all power.
- Raise prop to upright position.
- Lower body slowly until body bracket contacts prop.
- DO NOT POWER HOIST DOWN.



800-446-9823

Safety Section

1.5 Serial Number Location



⚠ WARNING

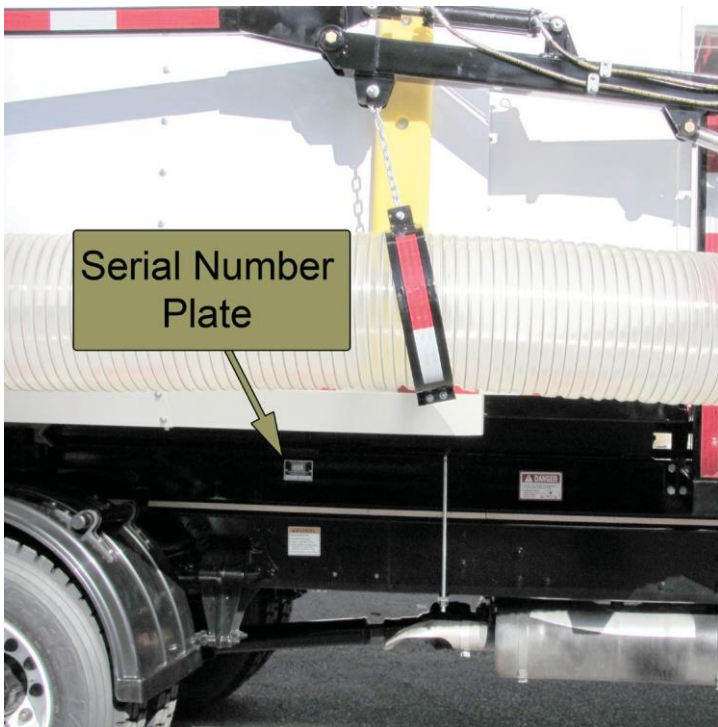
Thoroughly read and understand the safety and pre-operating sections of this manual before starting the engine.

⚠ WARNING

Make sure each operator knows and understands the load ratings of the towed vehicle and that he/she is qualified to tow the vehicle.

The serial number tag is located on the chassis on boom side of the unit. It should be in front of the fenders going toward the front of the unit. (See figure 1.5a).

figure 1.5a



2.0 PRE-OPERATING SECTION

⚠ WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

2.0 Pre-Operating Section

2.0 PRE-OPERATING SECTION

2.0 PRE-OPERATING SECTION

<u>2.1 Safe Operations:</u>	<u>19</u>
<u>2.2 Preparation For Operation:</u>	<u>21</u>
<u>2.3 Pre-Transport Checks:</u>	<u>22</u>
<u>2.4 Personal Protective Equipment and Clothing</u>	<u>23</u>
<u>2.5 Work Site Preparation</u>	<u>24</u>

Pre-Operating Section

2.1 Safe Operations:

WARNING

ALL personnel using, maintaining or servicing this unit must be trained in all safety procedures outlined in this manual. Improper or careless use of this equipment CAN result in personal injury or death.

Operations shall be restricted to:

1. Properly trained, qualified and experienced operators and/or qualified and experienced maintenance and test personnel.
2. Trainees under the direct supervision of qualified and experience personnel.
3. Qualified and experienced maintenance and service personnel.

Operators who qualify to operate this equipment under the above restrictions shall also comply with the following physical requirements:

1. Have good vision and the ability to read and understand this manual as well as all safety and operational decals on the equipment.
2. Be capable of hearing, with or without a hearing aid, at a level needed to safely operate this equipment.
3. A record of mental stability with no history of epileptic seizures, dizziness, or any other disability that may result in injury to himself or others.

If any of these requirements are not satisfied at any time, the person failing to meet these requirements **MUST NOT OPERATE THIS EQUIPMENT.**

Pre-Operating Section

2.1 Safe Operations (continued):

Additional Requirements:

1. Each operator must demonstrate competence to understand all safety decals, operator's manuals, safety codes, applicable government regulations, and all other information applicable to the safe and proper operation of the leaf vacuum.
2. Each operator must demonstrate the ability to recognize an emergency situation that may arise during vacuuming operations and the knowledge and procedures to implement corrective action.
3. Each operator must demonstrate or provide evidence of qualification and experience prior to operating the leaf vacuum.
4. Each operator must be able to recognize existing or potential problems regarding the mechanical integrity of the leaf vacuum and report any maintenance requirements to the supervisor in charge.
5. Each operator must wear the proper personal clothing and safety gear. (Refer to SAFETY PRECAUTIONS Section 5.4)
6. Operators must not be physically or mentally fatigued.
7. Operators must not be under the direct or indirect influence of alcohol and/or drugs. This includes prescription drugs that could cause drowsiness, dizziness, or any other condition that would impair their ability to operate or use this equipment in a safe manner.

Pre-Operating Section

2.2 Preparation For Operation

CAUTION

Before your leaf vacuum is put into operation it is very important to read and follow the procedures outlined in the engine owner's manual. (EOM).

For specific information regarding the following checks please refer to the "Maintenance" section of this manual and the engine owner's manual.

WARNING

DISENGAGE the clutch and remove the negative battery cable before performing the following checks.

WARNING

NEVER place any part of the body under or behind guards or any other area in which you cannot see.

IMPORTANT CHECKS:

NOTE: The following checks contained in the next three sections should be performed prior to leaving the storage area.

1. Check engine fuel, coolant and oil levels. (see EOM)
2. Check engine air filter
3. Check all bolts and nuts to ensure they are tight.
4. Check all controls for free and proper operation.
5. Check main drive belt (if equipped) for proper adjustment.
6. Inspect the fan blades to ensure that they are not bent , deformed, fatigued or cracked. Replace fan if any damage is present.
7. Inspect the intake hose flange to make sure it is connected correctly to the blower housing.
8. Inspect the leaf vacuum frame and structure for any bent, broken, cracked, missing or loose parts.
9. Check all guards to ensure they are undamaged, in place and properly secured.
10. All decals must be in place and legible prior to operating the leaf vacuum. See the decal section for decal replacement.

Pre-Operating Section

2.3 Pre-Transport Checks

WARNING

Failure to verify the road worthiness of the leaf vacuum and the truck and verify all equipment is properly stowed, may cause serious injury or death to yourself or others.

Do not tow the leaf vacuum unless all important checks listed below are completed.

IMPORTANT CHECKS:

1. The hose boom is properly secured.
 - a. Be sure nozzle is in the cradle securely.
2. The unit's lighting is operating properly.
3. Check the general condition of the tires, tire pressure and ensure that all lug nuts are securely fastened.
4. Visual examination of the leaf vacuum frame, suspension and structure to determine if all components are correctly positioned and secured for travel.
5. Check the intake hose boom to verify that it is securely fastened to the leaf vacuum and can not swing free.
6. Verify there are no loose tools or materials on the unit, inside the intake and exhaust hoses, or inside the engine sheet metal.
7. Check all cones, wheel-chocks, signs or other support tools and materials to ensure proper stowage.
8. Verify the driver of the unit is qualified to tow the type and weight of the unit.

Pre-Operating Section

2.4 Personal Protective Equipment and Clothing

WARNING

Always wear proper safety equipment as outlined below, not wearing such equipment **CAN** result in serious personal injury or possible death.

IMPORTANT CHECKS:

Anyone operating the leaf vacuum equipment **MUST** wear appropriate protective equipment and clothing to protect them from injury during operations.

PROTECTIVE EQUIPMENT:

1. **Head Protection:** Hard hats without under-chin strapping.
2. **Eye Protection:** Wraparound goggle type eye protection held in place with an elastic band around the head or a hard hat mounted face shield, which provides full protection of the face.
3. Eye protection must meet ANSI Z87.1 standards.
4. **Hearing Protection:** plug type or “muff type” ear protection should be worn at all times while operating the unit.
5. **Breathing Protection:** Paper filter type dust masks should be worn to protect from dirt and dust particles during the vacuuming process.
6. **Reflective Vests:** Highly visible vests should be worn so motorists can see the operator in all weather and lighting conditions.
7. **Work Gloves:** Gloves should be worn to protect the hands and wrists from debris.
8. **Steel Toed Boots:** should be worn to protect the feet.

DANGER

Work clothes **MUST** be close fitting, but not restrictive of movement, without any loose parts that could be entangled in any parts of the leaf vacuum. This includes items such as jewelry, chains and backpacks.

Pre-Operating Section

2.5 Work Site Preparation

WARNING

Never place any part of the body under or behind guards or any other visually obscured area.

Making sure the leaves are clear of possible dangerous material is critical to safe vacuuming. Vacuuming up metal, glass, rocks or other dangerous material CAN cause serious damage to the equipment or personal injury.

The following guidelines must be followed to insure safety.

1. An inspection of the leaves to be vacuumed must be done prior to the vacuuming process. We realize that it is impossible to completely inspect every inch of leaves being vacuumed, but it is imperative that all leaves be inspected for obvious dangerous material before vacuuming.
2. The operator should never be in the line of traffic, the operator should work on the shoulder whenever possible.
3. The operators should place cones or other barriers to provide adequate warnings to vehicles and pedestrians that vacuuming is in progress.
4. Strobe lights on the leaf vacuum and on the tow vehicle should be on at all times for high visibility.
5. Confirm that all operators are wearing proper clothes and personal protective equipment.
6. Restrict all personnel, except the operator from the area near the leaf vacuum. **DO NOT** allow pedestrians, children or animals near the work area.
7. Make sure that the exhaust hose (if equipped) fits properly into the box container so that all debris is blown into the box container.

3.0 OPERATING SECTION

⚠ WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

3.0 OPERATING SECTION

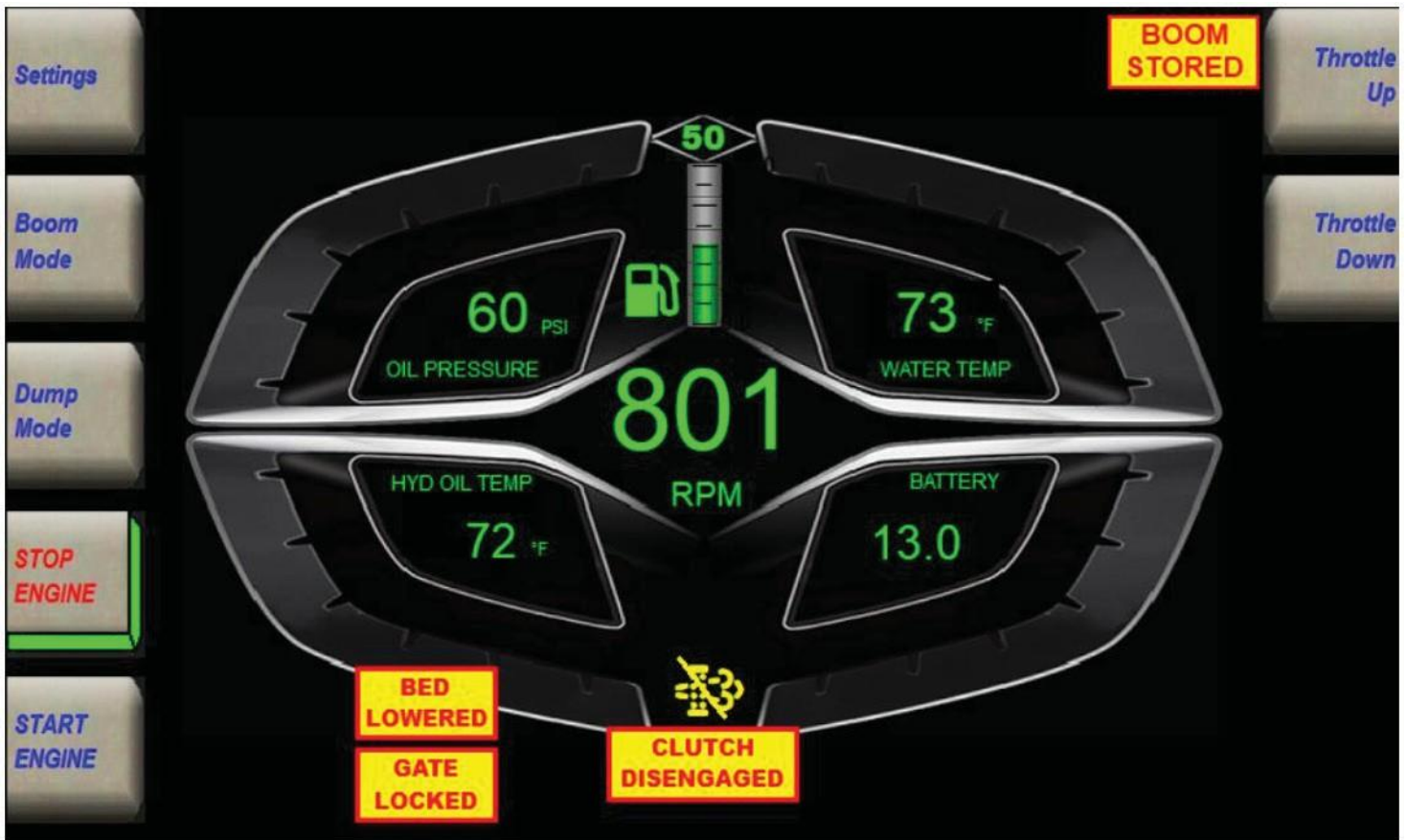
3.0 OPERATING SECTION

<u>3.1 Basic Operations</u>	<u>26</u>
<u>3.2 Knowing The Screen.....</u>	<u>27</u>
<u>3.2 Knowing The Screen.....</u>	<u>28</u>
<u>3.3 Boom Screen.....</u>	<u>29</u>
<u>3.4 Dump Screen.....</u>	<u>30</u>
<u>3.5 Diagnosis.....</u>	<u>31</u>
<u>3.5 Diagnosis.....</u>	<u>32</u>
<u>3.6 Logs.....</u>	<u>33</u>
<u>3.7 DTC Codes.....</u>	<u>34</u>
<u>3.8 Joystick</u>	<u>35</u>
<u>3.9 Fluid Drive Coupler (if equipped)</u>	<u>36</u>

Operating Section

3.1 Basic Operations

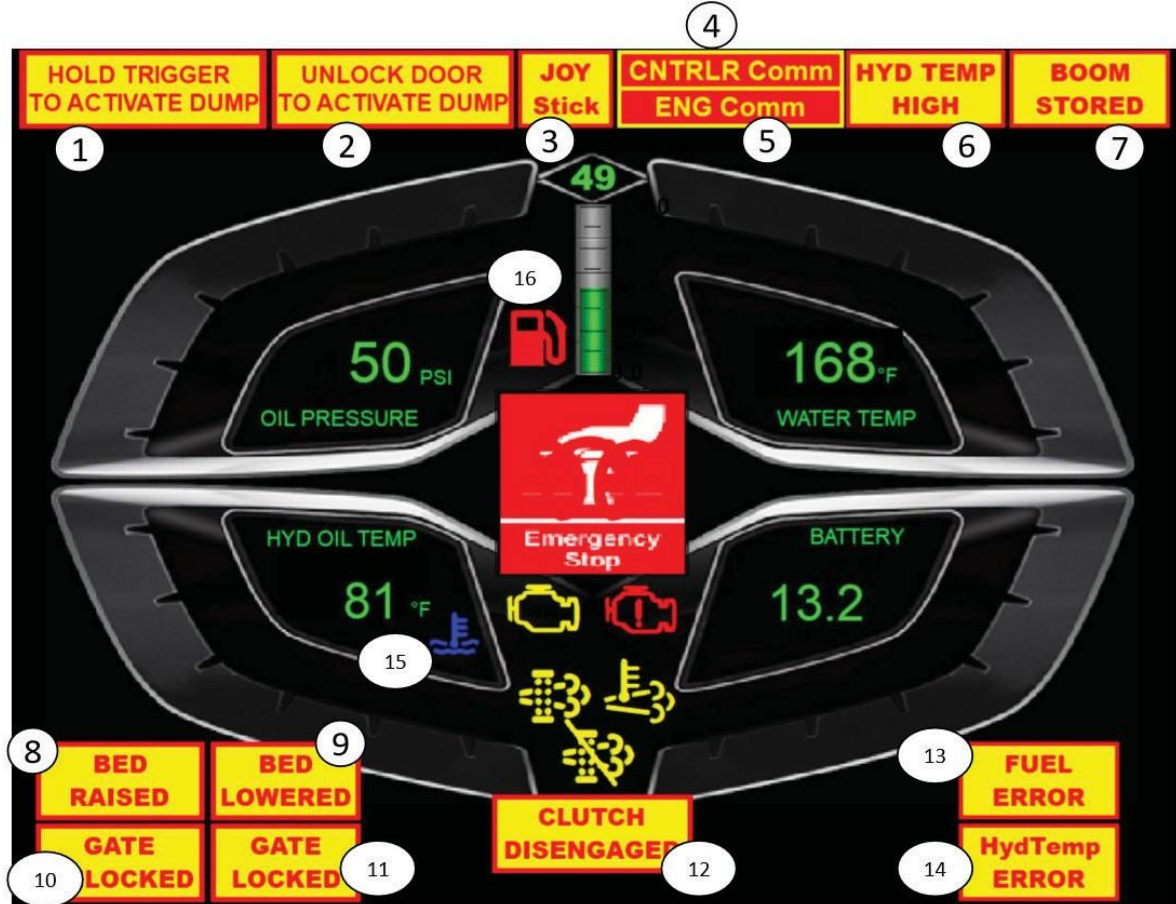
- Key switch will power the system on and off.
- The START ENGINE button is what starts the engine itself
- Estop button will stop all machine movement.
- The chassis battery disconnect will shut the entire system down whether the key switch is turned to the on position on not.



- To start the engine press “Start Engine” button. Once the engine is running, a green light will appear under “Stop Engine”.
- Pressing “Stop Engine” will stop the engine from running, and the green light under “Stop Engine” will disappear.
- When the engine is running, “Throttle Up” and “Throttle Down” will turn blue, signaling that they are now functioning buttons.
- Throttle will increase and decrease in 100 rpm increments per button press. If you hold either button, it will increase/decrease 100 RPM every second.

Operating Section

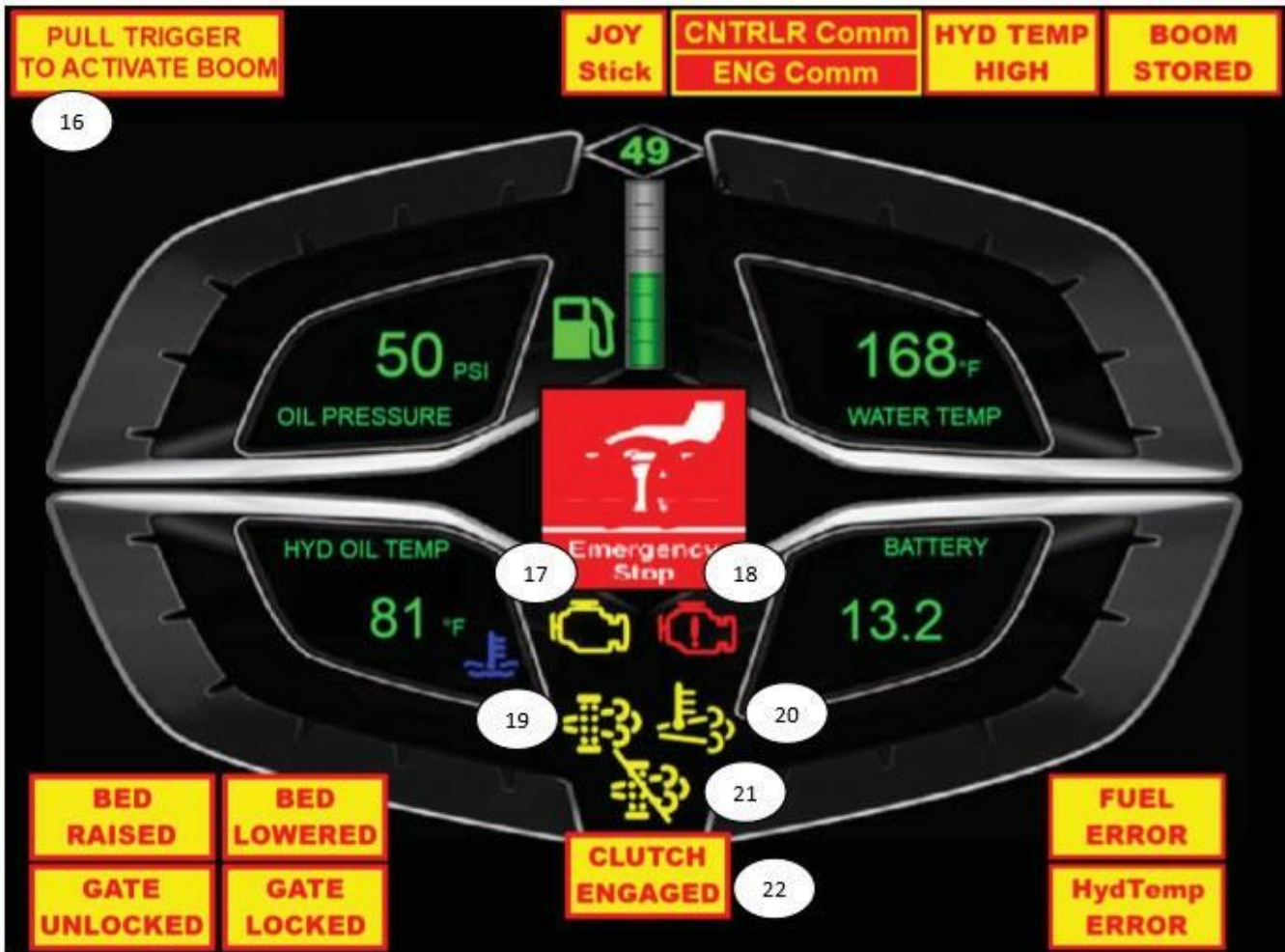
3.2 Knowing The Screen



1. This indicator will appear only in the “dump mode”. Hold the joystick trigger while in dump mode and the icon will disappear.
2. This indicator will appear only in “dump mode”. This icon will disappear once the gate is unlocked.
3. This indicator will flash 1hz, indicating that the joystick has lost can communications with the plc. Check can wires from joystick back to plc.
4. This indicator will flash at 1hz, indicating that the plc and the display has lost can communications. Check the can wires from the plc to the display.
5. This indicator will flash at 1hz, indicating that the plc and the engine has lost can communications. Check the can wires from the plc to the engine.
6. This icon will appear up when the hydraulic oil temperature is above 190°f.
7. This icon will appear once the boom is in the cradle.
8. This icon will appear once the bed is raised .
9. This icon will appear once the bed is lowered.
10. This icon will appear once the gate is locked.
11. This icon will appear once the gate is unlocked.
12. This icon will appear when the clutch is dis-engaged.
13. This icon will flash 1hz, indicating that there is and error with the fuel sender.
14. This icon will flash 1hz, indicating that there is and error with the hydraulic oil temperature sensor.
15. This icon will appear when the hydraulic oil temperature is below 70°f.

Operating Section

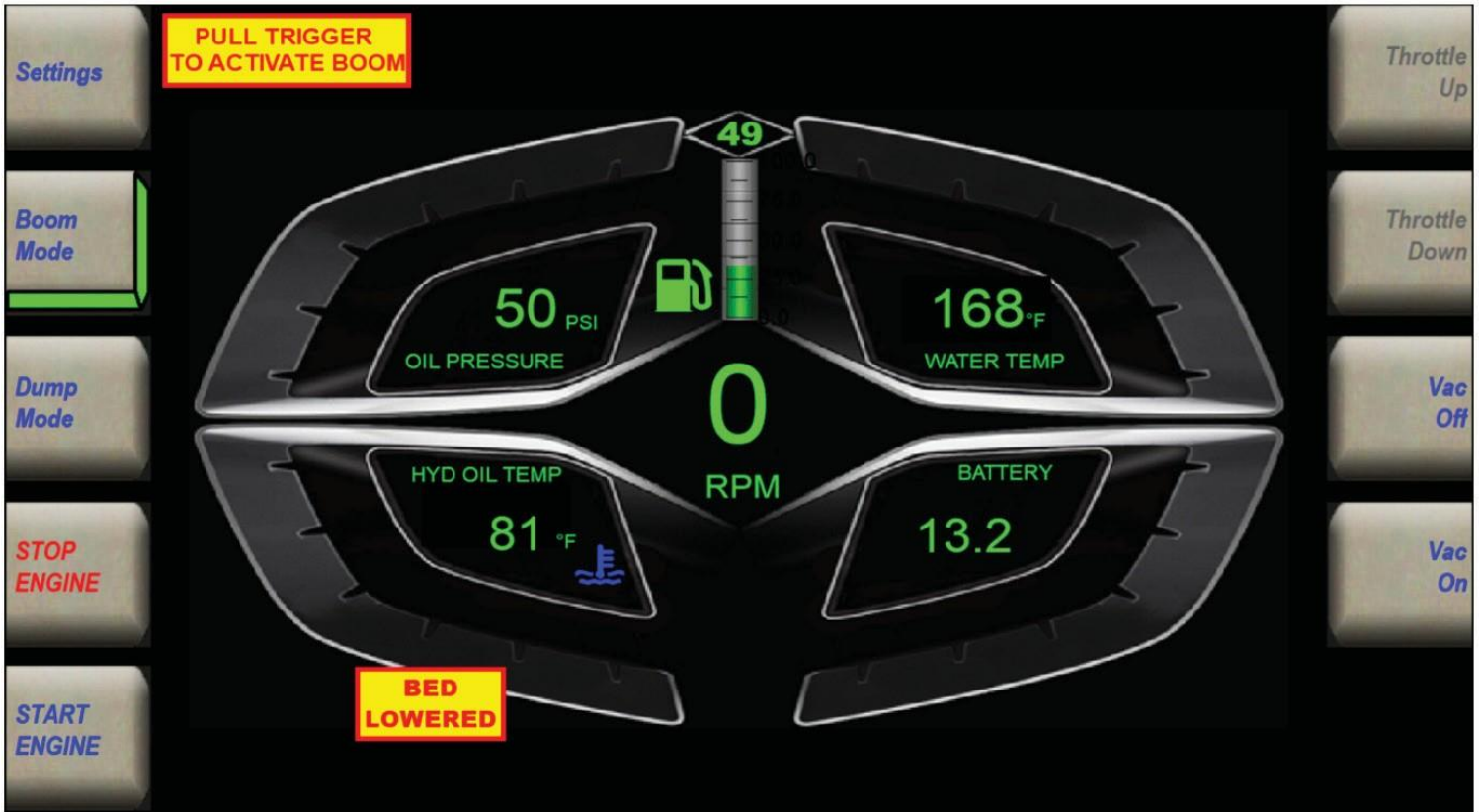
3.2 Knowing The Screen



16. This icon will appear only in the “boom mode”. While in boom mode, pulling the trigger once will activate the boom. This icon will re-appear after 15 seconds of boom inactivity.
17. Check engine light. Dtc code available
18. Check engine stop light. Dtc code available
19. This icon will appear and flash when a regen is required.
20. This icon will appear when the exhaust temperature is too high.
21. This icon will appear when the dpf inhibit is turned on. Regen will not be allowed when this is on.
22. This icon will appear when the clutch is engaged.

Operating Section

3.3 Boom Screen



•Once you press the button to go into “Boom Mode”, it will light up green. Press the “Boom Mode” button again and you will exit Boom Mode and the green light will disappear.

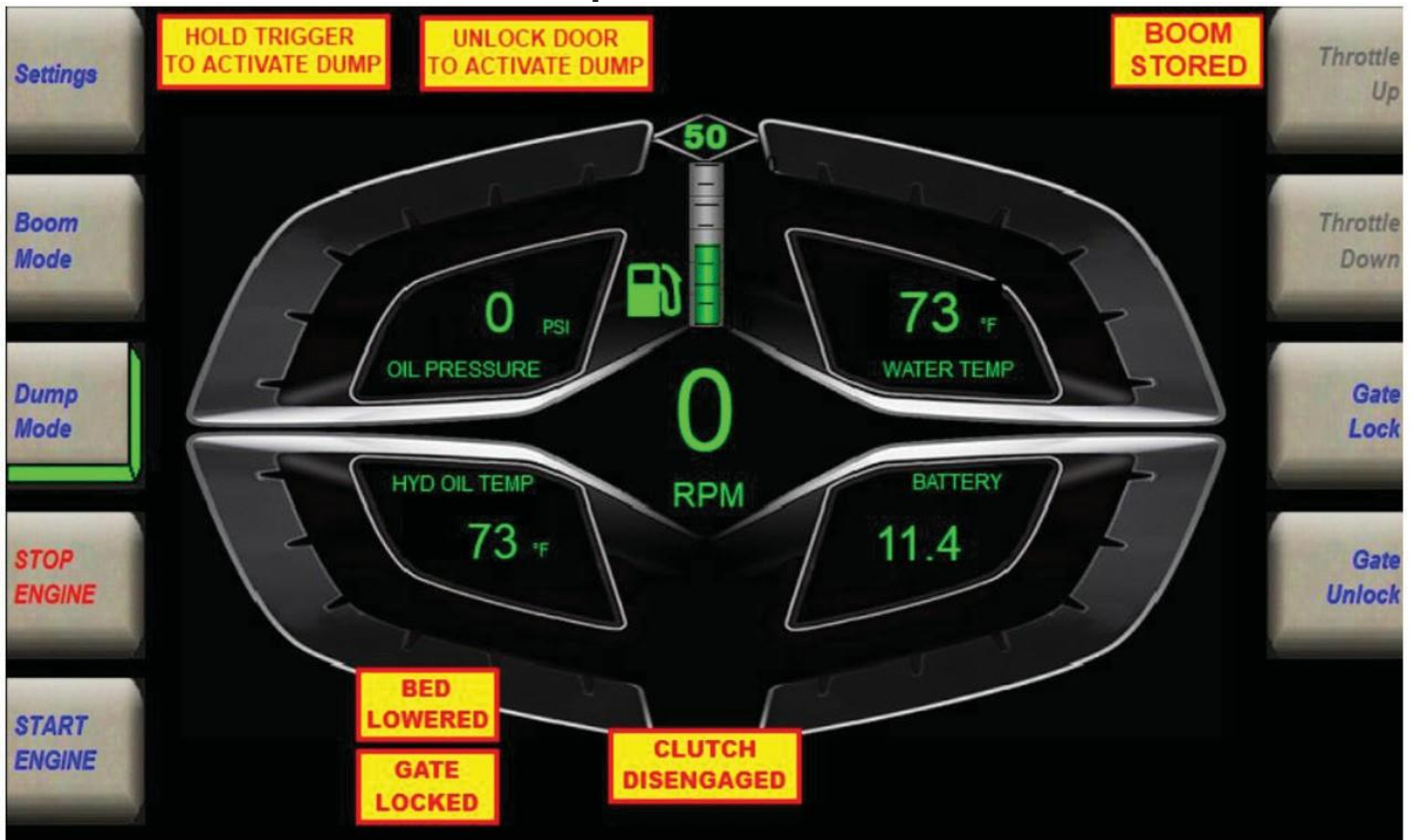
•In “Boom Mode” you will be able to turn the Vacuum system on and off. To engage and dis-engage the clutch, you must be below 1000 rpm. Press the “Vac On” to engage the clutch, and press “Vac Off” to dis-engage the clutch.

•Pull the trigger once to activate the boom functions. You do not have to hold the trigger to operate the boom.

•Boom inactivity of 15 seconds, icon will appear, “ PULL THE TRIGGER TO ACTIVATE BOOM”

Operating Section

3.4 Dump Screen



•Once you press the button to go into “Dump Mode”, it will light up green. Press the “Dump Mode” button again and you will exit Dump Mode and the green light will disappear.

•“Gate Lock” and “Gate Unlock” buttons are used to unlock and lock the gate. One press of the button will make the gate fully lock or unlock.

•In “Dump Mode” you will be able to raise and lower the Bed using the Joystick.

•In order to raise and lower the bed, the Gate must be unlocked, the Boom should not be in its stored position, and the clutch needs to be dis-engaged.

Operating Section

3.5 Diagnosis



- From the main screen, pressing “Settings” button will bring you to this screen.

- Here you will use the arrow key pad to navigate the password

- Push the center button on the key pad, and you’ll notice that which ever field you were on the yellow box will start blinking.

- Use Left and Right to cycle through the numbers. Once you’ve selected the right number, press the center key on the key pad, and the yellow box will stop blinking.

- Once you’ve entered the code provided to you, you will notice which level of security you’re in, will determine what you can adjust in the settings.

Operating Section

3.5 Diagnosis



- Level 1 will allow you to view the I/O screen; Inputs and Outputs of the PLC.
- Level 2 will allow you to view and force the I/O screen and adjust setpoints.
- ON THE I/O screen, the top half is inputs. If its green it means the inputs is On/True, else if its Gray, that input is Off/False.
- The bottom half are the outputs that can be turned On and Off by clicking on them. To enable the forcing, the Estop need to be okay, the engine should not be running, and you need to be on level 2 or level 3 security.
- When selecting Q00-Q09, that output should go green and you should see at least 900mA. If the out put doesn't turn green check the wiring going to that valve.
- When selecting Q10, Q12, will turn green without any physical movements.
- When selecting Q11, Q13-Q15, you will physically hear and see these components move.

Operating Section

3.6 Logs



- On the setup screen clicking “Data Record Setup” button will bring you to the set-up screen for data logging.
- Type the name of the file you want saved on the USB stick and press save. The Current Filename should have the filename you typed and it should be green.
- Back on the setup screen, “Data Log” button on the left side will remain Gray until a USB stick is inserted into the back of the display.
- Once USB stick is detected, and a filename has been given, the “Data Log” button will turn blue letting you now that is a functioning button.
- Press the “Data Log” button to start logging and a green light will appear and the text will change to “Data Log..” indicating that data log process has begun.

Operating Section

3.7 DTC Codes

	SPN	FMI	OCC	DESCRIPTION
DPF FORCE				
DPF INHIBIT				
BACK				

- All diagnostic codes will appear on this screen.
- To inhibit a regen, the engine must be running and the “DPF INHIBIT” must be pressed. This icon will appear when you Inhibit Regen.
- If a Regen is required while you have the Regen Inhibit, this icon will appear flashing signaling a Regen is required. A regen can either be forced or Inhibit switch can be turned off.
- To allow an Auto Regen or to Force a Regen, the engine must be running, you must be in a stationary state; not in Boom Mode or Dump Mode, DPF INHIBIT must be off the and “DPF FORCE” will be allowed if a Regen is needed.

Operating Section

3.8 Joystick

Joystick in “No Mode” and on Main Screen

- Slider up Throttle up. One press 100 RPM increase.
- Slider down Throttle down. One press 100 RPM decrease.

Joystick in “Boom Mode”

- PB1 Throttle up. One press 100 RPM increase. Hold PB1, 100 RPM increases every half second.
- PB2 Throttle down. One press 100 RPM decrease. Hold PB2, 100 RPM decreases every half second.
- Slider up is Boom Up
- Slider down is Boom Down
- Joystick left Boom counter clockwise or left
- Joystick right Boom clockwise or right.
- Joystick forward Boom in
- Joystick back Boom out

Joystick in “Dump Mode”

- PB1 Gate lock.
- PB2 Gate unlock.
- Joystick forward Dump down.
- Joystick back Dump up.



Operating Section

Figure 3.3A

3.9 Fluid Drive Coupler (if equipped)

⚠ WARNING

Thoroughly read and understand the safety and pre-operating sections of this manual before starting the engine.



⚠ WARNING

Make sure the intake hose is properly attached and make sure the front of the hose is clear of any objects which could be inadvertently vacuumed at any time.

There is no PTO engagement when the unit is equipped with a Fluid Drive Coupler. The impeller is ALWAYS engaged and rotating.

⚠ WARNING

The suction impeller is ALWAYS rotating when the engine is running and for a few minutes after the engine is shut off. Exercise caution whenever the unit is running.

⚠ CAUTION

IMPORTANT: If the unit experiences any heavy vibrations or makes any unusual noises, shut the engine down and after following the necessary safety guidelines, have a qualified technician investigate the cause. DO NOT operate a unit that is in a state of disrepair.

4.0 MAINTENANCE SECTION

⚠ WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.

4.0 MAINTENANCE SECTION

4.0 MAINTENANCE SECTION

4.1 Maintenance Overview:	38
4.2 Maintenance and Lubrication	39
4.3 Lubrication:.....	40
4.3 Lubrication, continued;	41
4.3 Lubrication, continued;	42
4.3 Lubrication, continued;	43
4.4 Preventative Maintenance	44
4.5 Torque Values	49
4.6 Kraft Fluid Drive Maintenance (Optional)	50

Maintenance Section

4.1 Maintenance Overview:

CAUTION

Only properly trained personnel should perform maintenance or repair on this equipment. Consult ODB before performing any maintenance procedures that is not specifically covered in this manual. Improper maintenance or repair may void any and all warranties on this equipment.

WARNING

Improper maintenance or repair CAN result in equipment damage and/or personal injuries.

DANGER

BEFORE CONTINUING, please read and understand the Safety, Pre-operating and Operating sections of this manual before doing any procedures in this section.

A properly maintained leaf vacuum will dramatically extend the life of the unit and will create a safer work place as well. For the general safety and welfare of all personnel it is important to create a scheduled maintenance program that covers all the elements in this manual as well as the engine, PTO and axle owner's manuals provided with this unit.

Use the chart on the following page as a guide for your scheduled maintenance program. If there are any questions concerning any of these procedures please call ODB.

Maintenance Section

4.2 Maintenance and Lubrication

This chart is only a reference, always **consult the Owners Manual of the Engine, PTO, etc for actual recommendations (Use Hour Meter as a Guide)**

MAINTENANCE	INTERVAL					
	Daily	First 8 Hours	Every 25 Hours	Every 50 Hours	Every 100 Hours	Every 200 Hours
Check and add engine oil, coolant, fuel and Hydraulic fluid (hoist and boom)*	●					
Check for loose nuts or bolts	●					
Check for fuel, oil, coolant and hydraulic leakage*	●					
Check or clean radiator screen	●					
Lubricate impeller shaft flange bearings(if equipped)	●					
Check lug nuts and tire pressure / condition	●					
Check trailer safety chains and hitch	●					
Check tow bar for damage or wear	●					
Check and clean instrument panel and circ. board	●					
Clean pre-cleaner	●					
Check air filter for dirt or debris*	●					
Check trailer lighting and trailer brake operation	●					
Change engine oil* (for break in oil see EOM)		●			●	
Clean and check battery and connections*			●			
Check power band tension (if equipped)			●			
Check power band condition (if equipped)			●			
Check impeller for damage, cracks or wear			●			
Grease (non-conductive) circuit board connectors			●			
Clean hydraulic pump motor/connections			●			
Lubricate throttle and choke cables				●		
Check blower housing liners for cracks or wear				●		
Check Clutch/PTO linkage adjustment				●		
Change hoist hydraulic fluid and filter		●			●	
Change boom hydraulic fluid					●	
Inspect intake and exhaust hoses for damage					●	
Check exhaust duct gasket for wear	●					
Replace oil filter*					●	
Replace air filter primary element*					●	
Inspect radiator and hoses*					●	
Check fan belt conditions and tension*					●	
Inspect all duct work for cracks, holes or wear	●					
Grease / Inspect wheel bearings for corrosion					●	
Change engine coolant*						●
Check fuel tank for leaks						●
Lubricate Hoist and Hinge Fittings						●

* = see the engine owner's manual for complete details

Maintenance Section

4.3 Lubrication:

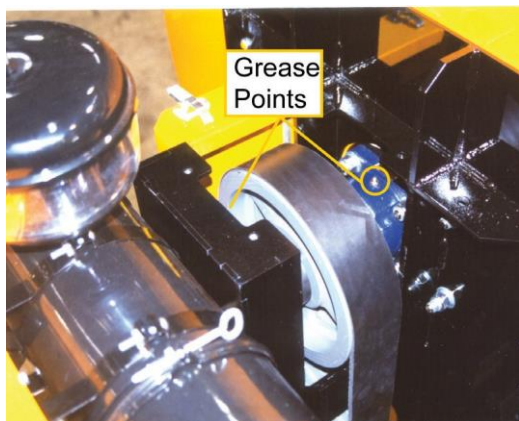
⚠ CAUTION

Remove the negative battery terminal before attempting any lubrication procedures.

⚠ WARNING

Thoroughly read and understand the safety and pre-operating sections of this manual before performing any lubrication procedures.

Figure 4.3A



NOTE: DO NOT mix different types of grease. The old grease MUST BE purged before a different type of grease is used. Mixing grease WILL cause premature failure to the bearings.

The following are general lubrication procedures for our standard units. Any special or custom built units may have other lubrication procedures not directly mentioned in this manual. Please consult ODB before any lubricating procedures not specifically mentioned in this manual.

Proper lubrication of your unit correlates directly to how long your unit will last. A properly maintained unit will last much longer than a unit that is not maintained properly.

NOTE: Always lubricate bearings at the end of each work day. This will displace any moisture in the bearings. Also lubricate thoroughly before extended shutdown or storage.

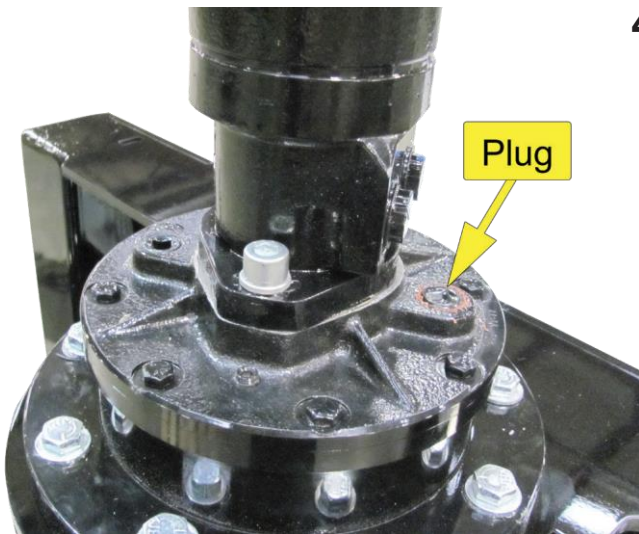
Lubrication Points:

1. **Drive Bearings (if equipped) (figure 4.3a):** These bearings are critical components of the belt-driven units. These bearings should be greased every 10 hours with approximately two strokes from the average hand pump grease gun. The type of grease used in these bearings are also critical to the performance of the bearings. A multi-purpose, heavy-load, high-temperature, moisture resistant #2 grease is required for the drive bearings. ODB recommends Mantek Elite Supreme #1 WG Extreme Duty multi-purpose grease.. Other premium quality grease that matches the above requirements may be used but after years of testing ODB recommends the Elite Supreme grease.



Maintenance Section

Figure 4.3b



4.3 Lubrication, continued;

Lubrication Points, continued;

2. **Aubur Gear Oil (figure 4.3b):** Fill Auburn gear with 90W gear oil. Undue plug as shown and fill. There is a plug at the bottom for draining if necessary.
3. **Boom Swivel (figure 4.3c):** Grease the boom bearings once every week with a multi-purpose moisture resistant #2 grease.
4. **PTO Bearing & PTO Shaft Fitting (figure 4.3d):** The End Cap PTO bearings should be greased after every 50 hours of operation with a high grade, high temperature lithium base #2 lubricant having an operating temperature of 200 degrees F. Three to five pumps with a hand operated grease gun is sufficient.
5. The PTO cross shaft and linkage should be lubricated with high temperature lithium base #2 lubricant after 200 hours of operation.
6. **Hinge and Friction Points:** Leaf vacuum operation and longevity can be improved by keeping hinges and friction points lubricated. ODB recommends that lubrication be performed weekly. Use SAE30 weight oil on hinges and a premium grade, high temperature lithium based EP#2 grease on friction points.
7. **Door Latch Hook (figure 4.3e):** Grease both hooks with high temperature lithium based EP#2 grease once a week.

Figure 4.3c

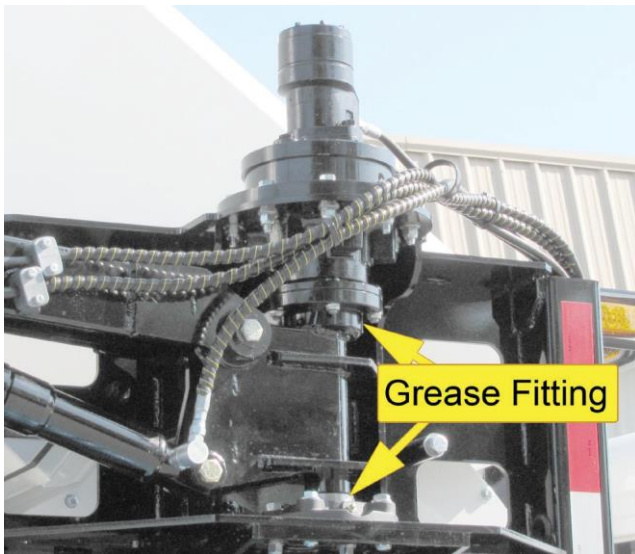
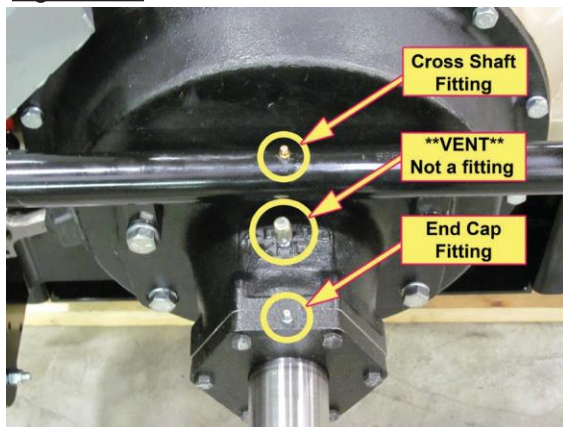


Figure 4.3d

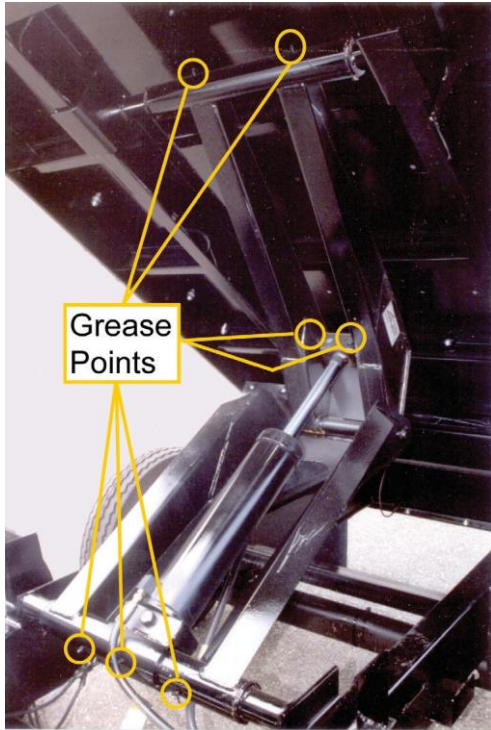


Maintenance Section

4.3 Lubrication, continued;

Lubrication Points, continued:

Figure 4.3e



⚠ WARNING

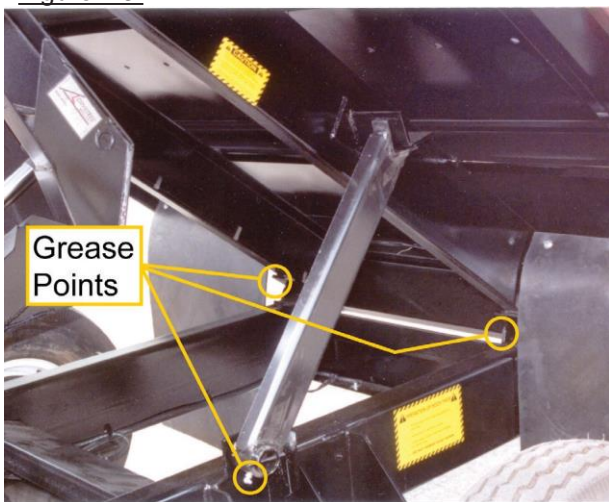
Never go under the dump body unless the body is empty and the body prop(s) is in the proper position.

⚠ WARNING

The body prop is designed and intended to support an EMPTY truck body in the raised position. Unload the body before using the body prop(s).

8. **Hydraulic Hoist Fittings (figure 4.3e):** Raise and support the dump body as detailed in section 3.2. Lubricate the fittings at least every 200 hours of operation with a #2 high grade grease. There are tremendous forces on the bearing surfaces within the hoist frame. It pays to be generous with the grease gun, to insure proper operation and long life.
9. **Hoist Hinge and Body Prop(s) Fittings (figure 4.3f):** Each hinge pivot has a grease fitting that needs lubricating every 200 hours. The body prop(s) has a fitting at the pivot area as shown in figure 4.3h.

Figure 4.3f



Maintenance Section

4.3 Lubrication, continued;

Lubrication Points, continued:

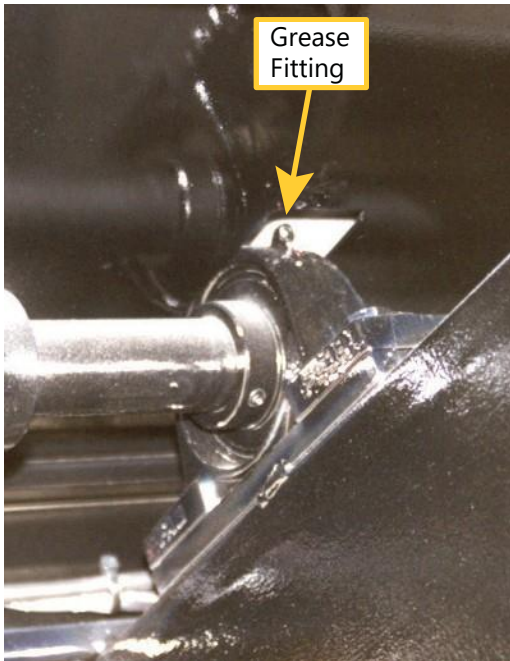
⚠ WARNING

Never go under the dump body unless the body is empty and the body prop(s) is in the proper position.

⚠ WARNING

The body prop is designed and intended to support an EMPTY truck body in the raised position. Unload the body before using the body prop(s).

Figure 4.3g



10. **Latch Shaft Pillow Block Bearings (figure 4.3h):** Each pillow block bearing should be greased with a high temperature lithium based EP#2 grease once a week.
11. **Boom Cylinders (figure 4.3i):** Grease the pivot joints of the boom cylinder with a high temperature lithium based EP#2 grease once a week.

Maintenance Section

4.4 Preventative Maintenance

⚠ CAUTION

Remove the negative battery terminal before attempting any maintenance procedures.

⚠ WARNING

Thoroughly read and understand the safety and pre-operating sections of this manual before performing any maintenance procedures.

The following are general preventative maintenance procedures for our standard units. Any special or custom built units may have other preventative maintenance procedures not directly mentioned in this manual. Please consult ODB before doing any preventative maintenance procedures not specifically mentioned in this manual.

Proper preventative maintenance of your unit, just like lubrication, correlates directly to how long your unit will last. A properly maintained unit will last much longer than a unit that is not maintained properly.

Preventative Maintenance:

1. **Engine Oil:** Change the oil and oil filter according to schedules provided in your engine's owner's manual (EOM). The engine oil level should be checked every day. The level should be checked after the engine has been stopped for a period of time. This will allow the oil to drain back into the oil pan, allowing a better indication of the true oil level. If the level is low, see the engine's owner's manual for the correct type of oil.
2. **Engine Coolant:** Check the coolant level before starting the unit each day. The coolant level should not be less than one inch below the top of the radiator.

⚠ CAUTION

NEVER check the engine coolant when the engine is hot. Allow the engine to cool at least one hour before checking the coolant. Check the engine owner's manual for instructions. **ALWAYS** wear eye and hand protection when working with the radiator.

Maintenance Section

4.4 Preventative Maintenance, continued;

Preventative Maintenance, continued;

3. **Engine Radiator:** The engine radiator on a leaf vacuum becomes clogged with dust and debris frequently because of the nature of the job. If the radiator is not cleaned properly it WILL cause improper cooling and WILL eventually cause serious damage to your engine. The debris accumulating on the radiator can be lessened by lowering the RPM on the engine to a level just enough to vacuum the leaves. The higher the RPM the more dust that is put into the air. Also, it may be necessary to put mesh or tarps on the top of the leaf box container to reduce the debris and dust. If this is done, make sure there is enough air ventilation on the box so the box is not blown apart. Proper belt condition and coolant mix-ratio, as well as coolant conditioners, are all critical to proper engine cooling. See the engine owner's manual for specifics on coolant mixture ratios and conditioners. The radiator should be inspected and cleaned with compressed air everyday at the very least.

DANGER

NEVER attempt to clean or inspect the radiator with the engine running or while the engine is HOT. Allow the engine to cool at least one hour before maintaining the radiator. Check the engine owner's manual for instructions. ALWAYS wear eye and hand protection when working with the radiator.

4. **Engine Air Cleaner:** Due to the large amounts of dust generated in collection leaves, it is critical to your engine's life that the pre-cleaner and air filter be maintained properly. The pre-cleaner should be cleaned at least daily of any debris that has accumulated. If conditions warrant it should be cleaned more. The air filter should be checked daily and should be replaced at the first sign of it being dirty. DO NOT attempt to clean the air filter, replace the dirty air filter. It is a good idea to clean out the air filter housing once a week to clean any dust debris that may have accumulated.
5. **Tires and Wheels:** Tires and wheel lug nuts should be checked on a daily basis. Tires should be checked for excessive wear and proper air pressure. Check the side wall of the tire for proper inflation pressure. Torque all 1/2" diameter lug nuts from 90 to 120 foot pounds. Torque all 5/8" diameter lug nuts from 175 to 225 foot pounds. Consult the axle manufacturer's owner's manual for more detailed information.

Maintenance Section

4.4 Preventative Maintenance, continued;

Preventative Maintenance, continued;

6. **Trailer Brakes (if equipped):** Most of the newer ODB leaf vacuums have electric brakes on the axle(s). It is critical that these brakes work properly. The trailer's brakes should be checked daily, before leaving the equipment yard, for proper operation. The trailer brakes are designed to work in synchronization with your tow vehicles brakes. Never use your tow vehicle or trailer brakes alone to stop the combined load. The synchronization between the tow vehicle and the leaf vacuum is accomplished through the brake controller and needs to be set correctly. Please read the brake controllers manual and the axle owner's manual for these procedures.

⚠ WARNING

DO NOT tow the leaf vacuum with damaged or non-operating brakes. Check the brakes daily for proper operation.

The brakes should be adjusted after the first 200 miles of operation when the brake shoes and drums have "seated" and at 3,000 mile intervals, or as use and performance requires. The adjustment procedures are beyond the scope of this manual, please see the axle owners/service manual for specific instructions.

The trailer brakes should be inspected and serviced at yearly intervals or more often as use and performance requires. Magnets and shoes must be changed when they become worn or scored thereby preventing adequate vehicle braking. Again, see the axle owner's/service manual for specific procedures.

7. **FUEL TANK:** Fill the fuel tank at the beginning of the work shift leaving a gap of at the top of the tank for expansion of fuel. A full fuel tank will reduce the possibility of condensation forming in the tank and moisture entering the fuel lines. Check the fuel lines daily for cracks, holes or tightness.

Maintenance Section

4.4 Preventative Maintenance, continued;

Preventative Maintenance, continued;

CAUTION

ALWAYS wear eye and hand protection when working with the battery.

8. **BATTERY:** ODB's units are supplied with "maintenance free" batteries so there is no need to check fluid levels but the battery terminals should be checked daily for corrosion. Remove any corrosion with a wire brush and coat the terminals with light grease or petroleum jelly to reduce the possibility of corrosion. Also check the battery cable for wear all cable connections and battery tie downs to be certain that they are not loose.
9. **DRIVE BELT (if equipped):** The main drive belt should be checked daily for cracks and for proper tension. If the belt shows any sign of

CAUTION

Remove the negative battery cable before opening the belt guard.

cracking it should be replaced immediately. The proper tension of the belt should be approximately 1/2" deflection when applying a 8 pound pull.

10. **FASTENERS:** Fasteners should be checked weekly for the first 30 days and monthly thereafter. They must be in place at all times and properly torqued. For general torque values see the torque chart at the end of this section.
11. **INSTRUMENT PANEL AND CIRCUIT BOARD:** The instrument panel and circuit board should be cleaned with compressed air daily. Also the circuit board connectors should be wiped clean and have non conductive grease applied weekly to help maintain solid connections.
12. **BOOM HYDRAULIC PUMP:** Check the fluid level daily. If fluid needs to be added, automatic transmission fluid (ATF) is recommended. Clean debris and oil off the solenoid and pump daily. A build up of debris can cause premature failure to the pump. Check and tighten all hydraulic fittings making sure there are no leaks.

Maintenance Section

4.4 Preventative Maintenance, continued;

Preventative Maintenance, continued;

13. **Hoist Hydraulic Fluid and Filter:** The hoist hydraulic fluid and filter should be changed every 100 hours of operation. The fluid should be completely drained and fresh high quality **ISO 68 non-foaming** hydraulic fluid should be added.






CAUTION

ALWAYS raise and support the box container properly using the steps outlined in this manual.

14. **Exhaust Duct Gasket:** The 1.5" thick gasket should be checked for wear every 200 hours. This gasket creates a tight seal between the box container and the blower housing.
15. **Axle Hangers:** The hanger bolts should be checked periodically for tightness and wear.
16. **Hydraulic Fittings:** Check all hydraulic fittings for leaks and tightness. Any leak could become a hazard, fix immediately.

Maintenance Section

4.5 Torque Values

<u>INCH BOLT AND CAP SCREW TORQUE VALUES</u>					<u>METRIC BOLT AND CAP SCREW TORQUE VALUES</u>						
TYPE	SAE GRADE					CLASS					
	5		8			8.8 or 9.8		10.9		12.9	
HEAD MARK					HEAD MARK						
SIZE(D)	LB-FT		LB-FT		SIZE(D)	LB-FT		LB-FT		LB-FT	
	Lub*	Dry*	Lub*	Dry*		Lub*	Dry*	Lub*	Dry*	Lub*	Dry*
1/4"	7	9	10	12.5	M6	6.5	8.5	9.5	12	11.5	14.5
5/16"	15	18	21	26	M8	16	20	24	30	28	35
3/8"	26	33	36	46	M10	32	40	47	60	55	70
7/16"	41	52	58	75	M12	55	70	80	105	95	120
1/2"	63	80	90	115	M14	88	110	130	165	150	190
9/16"	90	115	130	160	M16	140	175	200	255	240	300
5/8"	125	160	175	225	M18	195	250	275	350	325	410
3/4"	225	280	310	400	M20	275	350	400	500	460	580
7/8"	360	450	500	650	M22	375	475	540	675	625	800
1"	540	675	750	975	M24	475	600	675	850	800	1000
1-1/8"	675	850	1075	1350	M27	700	875	1000	1250	1150	1500
1-1/4"	950	1200	1500	1950	M30	950	1200	1350	1700	1600	2000
1-3/8"	1250	1550	2000	2550	M33	1300	1650	1850	2350	2150	2750
1-1/2"	1650	2100	2650	3350	M36	1650	2100	2350	3000	2750	3500

***Lub** means coated with a lubricant such as engine oil, or fasteners with phosphate or oil coatings. "Dry" means plain or zinc plated without any lubrication.

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Make sure fastener threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening. Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.

Tighten plastic insert or crimped steel-type lock nuts to approximately 50 percent of the dry torque shown in the chart, applied to the nut, not the bolt head.

Maintenance Section

4.6 Kraft Fluid Drive Maintenance (Optional)

Controllare, ogni 3 mesi, il livello dell'olio nel giunto. Cambiare l'olio ogni 4000 ore di funzionamento oppure una volta all'anno.	Check, every 3 months, the fluid coupling oil level. Change oil every 4000 working hours or once a year, whichever occurs first.
Ingrassare il cuscinetto dell'albero di uscita ogni settimana.	Grease output shaft bearing every week.
Controllare, periodicamente, lo stato dei blocchetti in gomma del giunto elastico.	Check, periodically, elastic coupling rubber blocks condition.
E' consigliabile, ogni 4000 ore di funzionamento, cambiare tutti gli anelli di tenuta rotante e controllare lo stato dei cuscinetti.	It is advisable, every 4000 working hours, to change all rotating seals and to check bearings condition.
Controllare, periodicamente, che la taratura del termostato, se installato, sia uguale al valore originariamente impostato (vedere certificato di collaudo e TF5941-O).	Check, periodically, that temperature switch whether installed, set value be the same as originally adjusted (see test certificate and TF5941-O).
Pulire periodicamente la sonda del termostato, se installato.	Clean periodically the temperature switch bulb, whether installed.

TABELLA INCONVENIENTI

SINTOMO	CAUSA	RIMEDIO
Scarse prestazioni	Livello olio	Controllare il livello (olio freddo) ed aggiungere se necessario Controllare la macchina condotta Controllare i giri del motore.
	Tipo olio	Utilizzare olio indicato in tabella
Surriscaldamento	Scorrimento eccessivo	Controllare il livello olio Verificare l'installazione Controllare i giri del motore
	Scarsa ventilazione	Pulire le aperture per la ventilazione.
	Cuscinetto non lubrificato	Verificare il livello olio ed eventualmente aggiungere
	Cuscinetto in uscita danneggiato	Sostituire
Perdita olio lato motore	Carico radiale eccessivo	Ridurre la tensione delle cinghie.
	Tappo conico	Rimontare con sigillante per filetti
Perdita olio lato uscita	Anello OR	Sostituire
	Tenuta rotante	Sostituire. Controllare l'usura sull'albero.
	Tappo conico	Rimontare con sigillante per filetti
	Tappo fusibile se installato	Sostituire
Rumore.	Anelli OR	Sostituire
	Tenuta Rotante.	Sostituire. Controllare l'usura sull'albero.
	Rottura cuscinetto	Sostituire
	Olio con troppa schiuma	Controllare il livello ed il tipo di olio
Intervento termostato	Usura eccessiva giunto elastico (vibrazioni torsionali?, temperatura eccessiva ?, disallineamento? olio.)	Smontare e sostituire i blocchetti od il giunto elastico completo.
	Usura della dentatura tra albero uscita mozzo, girante interna.	Smontare e sostituire le parti usurate.
	Alta temperatura olio	Vedere "surriscaldamento"
	Errata taratura termostato	Vedere certificato di collaudo e TF 5941-O

TROUBLE SHOOTING

SYMPTOM	CAUSE	REMEDY
Poor performances	Oil level.	Check level (cold oil) and add as necessary. Check driven machine. Check engine rpm.
	Oil type	Use recommended oil (see table).
Overheating.	High slip	Check oil level. Check installation. Check engine rpm.
	Low ventilation.	Clean ventilation openings.
	No lubricated bearing.	Check oil level. Add oil if required.
	Damaged output bearing.	Replace.
	Too high radial load.	Decrease belt tension.
Oil leakage at engine side.	Taper plug	Remount using thread sealent.
	O-ring.	Replace.
	Rotating seal.	Replace. Check shaft wear.
Oil leakage at output side.	Filling plug.	Remount using thread sealent.
	Fusible plug, whether installed.	Replace.
	O-ring.	Replace.
	Rotating seal.	Replace. Check shaft wear.
Noise	Bearing failure	Replace.
	Too much oil foam.	Check oil level and type.
	Elastic coupling wear. (Torsional vibration ? high temperature ? misalignment ? oil ?)	Dismantle and replace rubber blocks or complete elastic coupling.
	Spline wear between output shafthub, inner impeller	Dismantle and replace worn components.
Temperature switch intervention.	High oil temperature.	See "overheating".
	Wrong switch setting.	See test certificate and TF 5941-O.

tf6217-3 06/04/01

TRANSFLUID S.r.l. via V.Monti 19-20016 Pero (MI) Italy
tel.0039-02-339315.1 - fax.0039-02-33910699 – www.transfluid.it - e-mail:info@transfluid.it



800-446-9823

51



CAUTION

**DO NOT ATTEMPT TO OPERATE
OR REPAIR
THE LEAF COLLECTOR WITHOUT FIRST
READING AND UNDERSTANDING THIS
MANUAL**

IF YOU HAVE ANY QUESTIONS CONCERNING THE
INSTALLATION OR OPERATION OF THIS UNIT, PLEASE CALL
ODB FOR ASSISTANCE BEFORE ATTEMPTING TO REPAIR OR
OPERATE THE UNIT.

**IMPROPER USE OF ANY MACHINE CAN
RESULT IN SERIOUS INJURY!**

**STUDY AND FOLLOW ALL SAFETY
PRECAUTIONS BEFORE OPERATING OR
REPAIRING UNIT**

THIS MANUAL IS AN INTEGRAL PART OF THE LEAF COLLECTOR AND SHOULD
BE KEPT WITH THE UNIT WHEN IT IS SOLD.

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823





5.0 SERVICE SECTION

5.0 Service and Troubleshooting

5.10 Wiring Diagrams

5.20 Hoist Hydraulic System

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823



SERVICE AND TROUBLESHOOTING

5.0 SERVICE SECTION

<u>5.1 Removing Blower Housing Face</u>	<u>54</u>
<u>5.2 Replacing the Drive Bearings(if equipped)</u>	<u>55</u>
<u>5.2 Replacing the Drive Belt (if equipped),</u>	<u>56</u>
<u>5.2 Replacing the Drive Bearings (if equipped), continued.....</u>	<u>57</u>
<u>5.3 Impeller Installation and Removal.....</u>	<u>58</u>
<u>5.3 Impeller Installation and Removal, continued</u>	<u>59</u>
<u>5.4 Replacing the Blower Housing Liners</u>	<u>60</u>
<u>5.4 Replacing the Blower Housing Liners; continued,</u>	<u>61</u>
<u>5.5 Auto Mfg. Clutch Adjustment - 2008 and after</u>	<u>62</u>

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823

Service Section

5.1 Removing Blower Housing Face

figure 5.1a

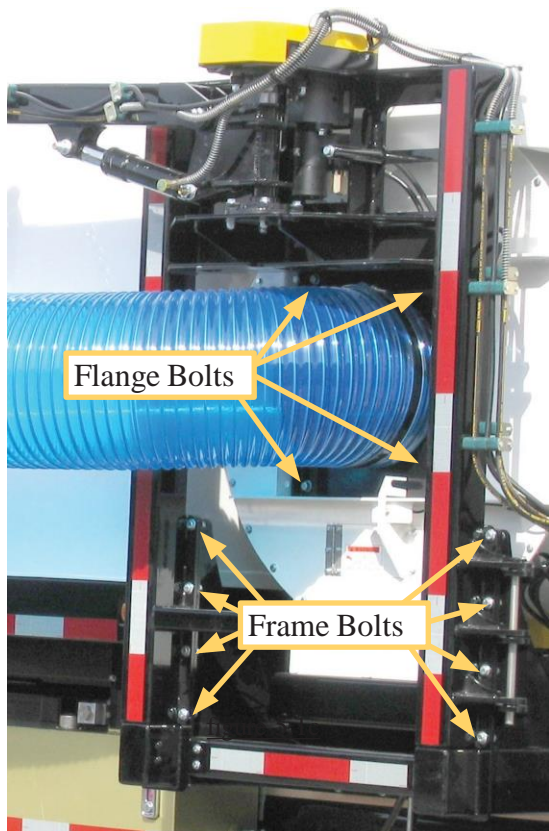


figure 5.1b

figure 5.1c

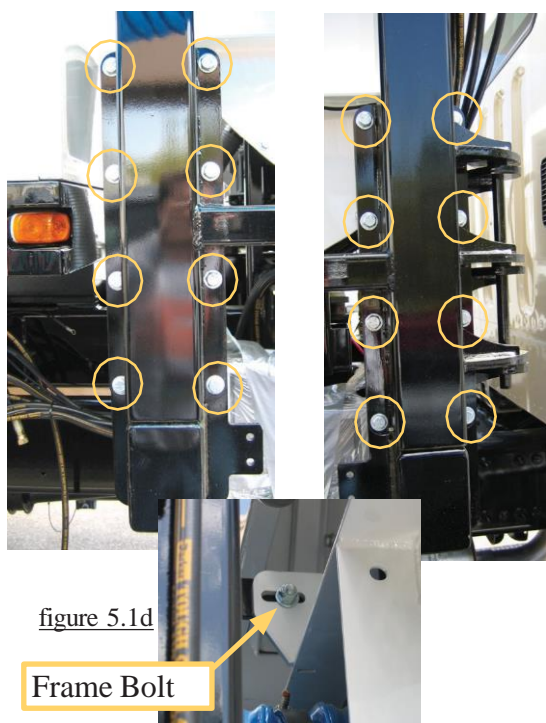


figure 5.1d

Frame Bolt

⚠ WARNING

Thoroughly read and understand the safety and pre-operating sections of this manual before working on the unit.

⚠ WARNING

Make sure the negative battery cable is disconnected before opening the blower housing.

Review the safety section of this manual before attempting these procedures.

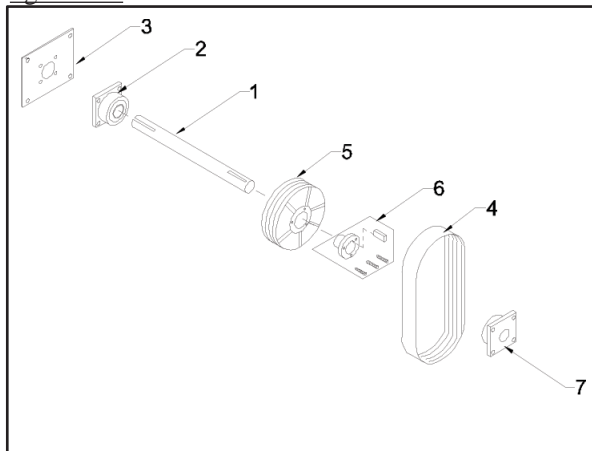
Removing Blower Housing Face (refer to 5.1a and 5.1b):

1. Raise the dump body and secure it as described previously in this manual, making sure the body prop is in place.
2. Unbolt the 4 bolts holding the intake hose flange assembly to the blower housing face (figure 5.1a), and remove the hose assembly.
3. Remove the frame bolts (figure 5.1b and 5.1c)
4. Remove the bolt, that's behind the boom mast, which holds the frame to the housing. (figure 5.1d)
5. The frame should swing open on the hinge.
6. Remove the housing bolts from the housing face to gain access to the impeller.
7. To install reverse the above procedure.

Service Section

5.2 Replacing the Drive Bearings(if equipped)

figure 5.3a



⚠ WARNING

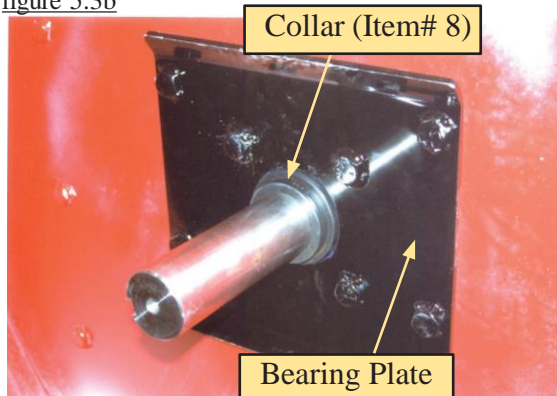
Thoroughly read and understand the safety and pre-operating sections of this manual before working on the unit.

⚠ WARNING

Make sure the negative battery cable is disconnected before opening the blower housing.

Review the safety section of this manual before attempting these procedures.

figure 5.3b



Removing Drive Bearings (refer to 5.3a thur 5.3d):

1. Remove the impeller and drive belt as described in this manual.
2. If the bearings have not "seized" onto the shaft then removal is straightforward.
3. Loosen the pulley (item# 5, fig. 5.3a) by removing the bushing bolts (item# 6, fig. 5.3a).
4. Remove the bearing collar (Item# 8, fig. 5.3b), if equipped, at the rear of the front bearing (the bearing closest to the blower housing).
5. On the rear bearing (closest to the engine) loosen the set screw on the bearing lock collar (fig. 5.3c)
6. Using a punch, loosen the lock collar. (fig. 5.3d)
7. Pull the shaft out toward the blower housing. The bearing plate, front bearing and pulley should come out in one unit.

figure 5.3c



figure 5.3d

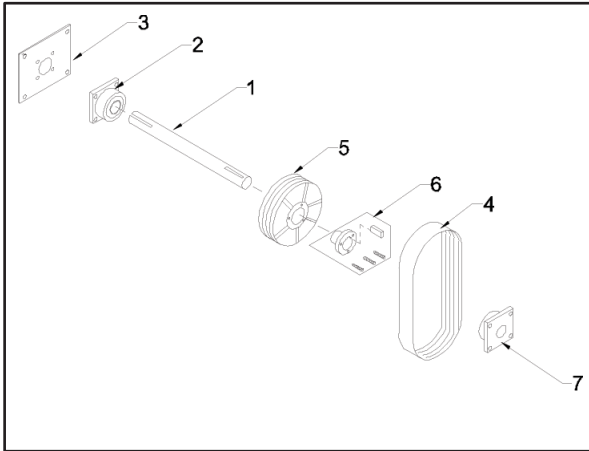


Service Section

5.2 Replacing the Drive Belt (if equipped),

Review the safety section of this manual before attempting these procedures.

figure 5.3a



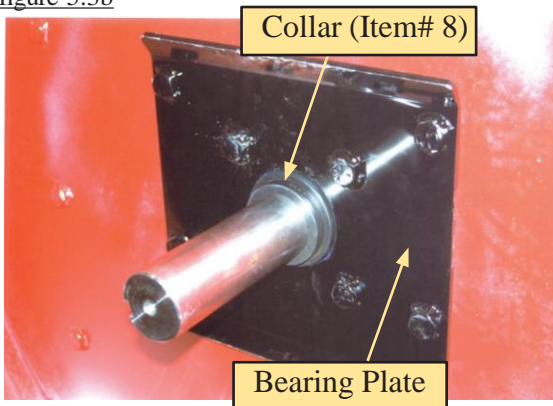
Removing the Drive Bearings, continued:

8. If the shaft doesn't pull out easily, lubricate the shaft generously where the shaft goes through the bearings. If the shaft still doesn't come out, the final solution is to cut the shaft in half.
9. Once the shaft is out, remove the front bearing from the shaft by using steps 5 and 6.

Installing the Drive Bearings:

1. Make sure the shaft is clean and remove any burrs.
2. Bolt up the rear bearing (closest to the engine) to the frame.
3. Bolt the front bearing to the bearing plate
4. Bolt the bearing plate (fig. 5.3b) up to the blower housing and bearing frame.
5. Slide the shaft through the front bearing, making sure the front locking collar is slid on to the shaft.
6. Once the shaft is through the front bearing, install the pulley onto the shaft, but don't tighten it until the bearings have been installed and your sure the two pulleys are lined up correctly.
7. Slide the shaft through the rear bearing (closest to the engine). Make sure the front locking collar is put on before the bearing.

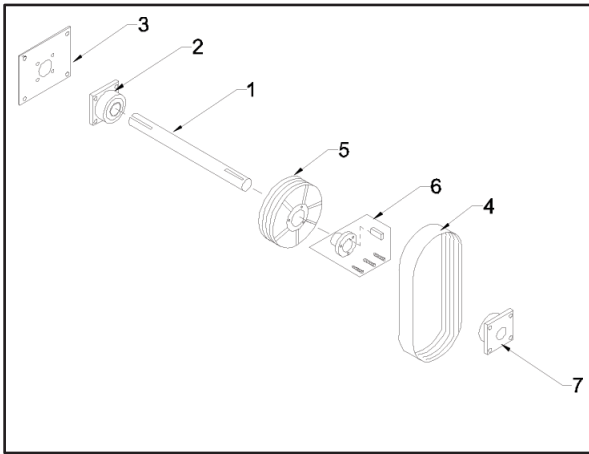
figure 5.3b



Service Section

5.2 Replacing the Drive Bearings (if equipped), continued

figure 5.3a



Review the safety section of this manual before attempting these procedures.

Installing the Drive Bearings, continued:

8. Once the shaft is in place, lock down the bearings:
9. Starting with the rear bearing (closest to the blower housing) install the rear collar on the blower housing side (figure 5.3b). The rubber seal should be facing the bearing.
10. Push the steel collar up to the bearing and make sure the groove in the collar goes inside the groove in the bearing.
11. Tighten the set screw (figure 5.3e).
12. Install the front locking collar sliding the locking collar up to the bearing and then turn the collar clockwise until it slips over the inner ring extension and engages the eccentric. Turn by hand until the parts are locked together.
13. Place a punch or drift in the blind hole in the collar and strike it sharply to lock the collar and ring tightly together (figure 5.3f)
14. Tighten the set screws with an Allen wrench until the set screw stops. (figure 5.3g)
15. Do steps 11-14 for the other bearing also.
16. Line up the pulleys and tighten the busing.
17. Re-install the belt guards and impeller as described earlier.

figure 5.3b

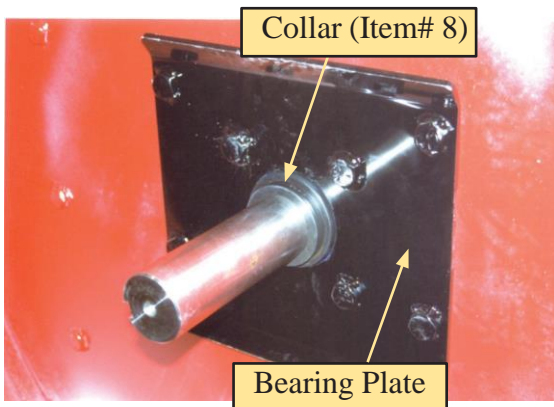


figure 5.3e

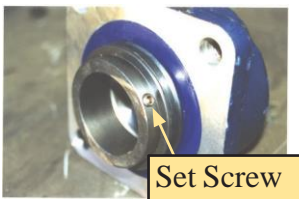


figure 5.3f



figure 5.3g



Service Section

5.3 Impeller Installation and Removal

REMOVAL



CAUTION: Before removing the blower housing face remove the negative battery cable to ensure unit can not be started.

1. The blower housing face must be removed to gain access to the impeller. Use an overhead crane or forklift to support the face while removing.
2. Once the face has been removed, remove the shaft protector (Fig. 1 or 2).
3. Saturate the shaft and bushing using a penetrating lubricant to help loosen the bushing. Clean any grease or debris from the bushing and shaft.
4. Remove the 3 bolts attaching the bushing to the impeller. (Fig. 3) Being careful not to break the bolts. If a set screw is on the lip of the bushing, loosen it using an allen wrench. (Fig. 4)
5. Using two of the bolts that were just removed screw those bolts into the threaded holes on the bushing. Drive the two bolts into the bushing. (Fig. 5) This will separate the bushing from the impeller. Alternate from one bolt to the other driving only about a 1/4" at a time to keep the bushing coming out straight. It is imperative to keep the bushing straight to remove it.

IMPORTANT: Be sure to drive the bushing out evenly or it will get in a bind making removal much harder.

6. If the bushing does not come off using the two bolts, drill and tap several additional 3/8-16 holes around the bushing. Using Grade 8, 3/8-16 - 2 inch bolts, alternately drive the bolts 1/4" at a time to remove the bushing. **KEEP THE BUSHING STRAIGHT** while removing.

IMPORTANT: If additional holes were drilled in the bushing, it can not be reused. It must be replaced.

7. Once the bushing has been removed use an overhead crane or other suitable device to help lift the impeller out of the blower housing.
8. At this point it would be a good idea to inspect the blower housing liners and blower housing for any damage or wear. Any damage or wear to the liners should be fixed by replacing the liners immediately.

Fig. 1



Fig. 2



Fig. 3

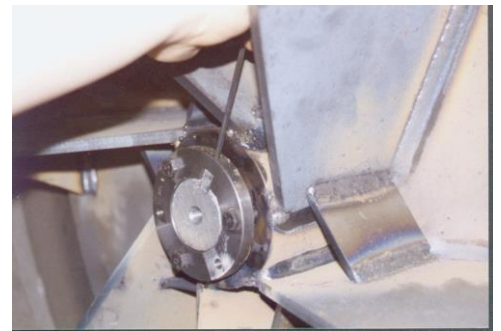


Fig. 4

Direct
Drive



Fig. 5

Belt
Drive



Service Section

5.3 Impeller Installation and Removal, continued

INSTALLATION



CAUTION: Before removing the blower housing face remove the negative battery cable to ensure unit can not be started.

1. Clean the shaft of any debris and remove any rust using a 120 grit emory cloth.
3. Using an overhead crane or other suitable lifting device lift the impeller on to the shaft. Turn the impeller to align the keyways of the shaft with the keyway in the impeller.
4. Insert key into the keyway. A light sanding of the keyway may be needed, as well as a few light blows with a rubber mallet.
5. Tap the bushing onto the shaft aligning the keyways.
6. **BELT DRIVE UNITS:** Align the bushing and key to be flush with the end of the shaft (Fig 1).

DIRECT DRIVE UNITS: The bushing and key should protrude from the shaft about 1/2 inch (Fig. 2).

7. Put the 3 bolts into the non-threaded holes and drive them into the impeller holes evenly. Alternate between the three bolts as you drive the bolts in. Torque to 40 to 50 lbs/ft. There should be a gap of 3/8" to 1/2" between the bushing and the impeller.

IMPORTANT: Slowly spin the impeller by hand making sure that the back of the impeller is not hitting any of the bolt heads located at the back of the blower housing.

8. If the bushing has a set screw on it, tighten the screw snug with an allen wrench (Fig. 3). This will help keep the key in place.
9. Install the shaft protector on to the shaft (Fig. 4 or 5).

Fig. 1



Fig. 2



Fig. 3



Fig. 4

Direct
Drive



Fig. 5

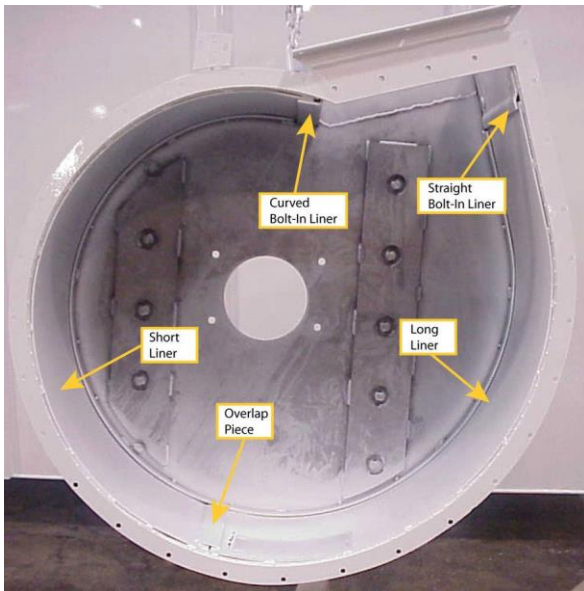
Belt
Drive



Service Section

5.4 Replacing the Blower Housing Liners

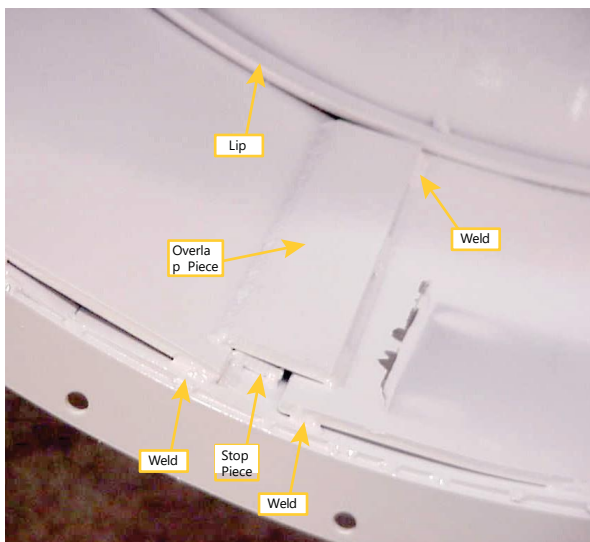
figure 5.5a



⚠ WARNING

Keep all fuel and fuel fumes away from the unit when grinding or welding. Work only in a well ventilated area.

figure 5.5b



⚠ WARNING

Thoroughly read and understand the safety and pre-operating sections of this manual before working on the unit.

⚠ WARNING

Make sure the negative battery cable is disconnected before opening the blower housing.

Review the safety section of this manual before attempting these procedures. To gain access to the interior of the blower housing please see the previous sections.

Removing and installing the Liners (refer to 5.5a and 5.5b):

1. Unbolt the blower housing face as described previously in this manual.
2. Remove the curved and straight bolt-in liners by removing the appropriate bolts.
3. With a grinder cut out the remaining welds to free the liners. DO NOT remove the "stop piece" at the bottom of the housing.

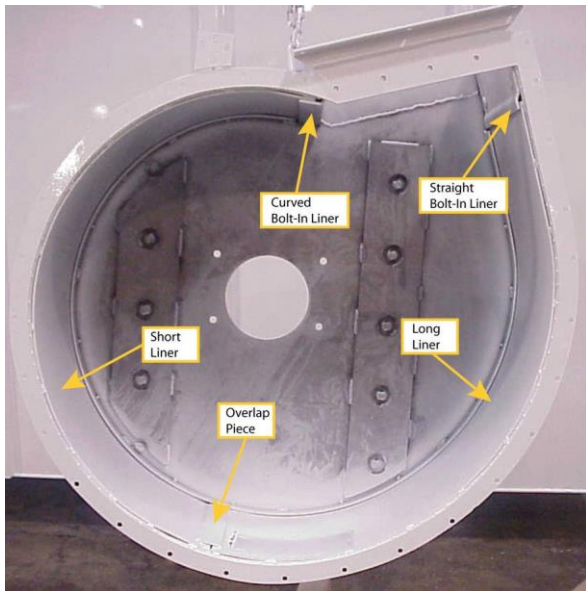
TO INSTALL:

1. Place the short liner into lip at the rear of the housing and line up the bottom of the liner with the "stop" at the bottom of the housing. The short liner has the overlap piece on it and should be installed as shown in the pictures at the left.
2. Tack weld the liner in place every 8 to 10 inches to help keep the liner in place.

Service Section

5.4 Replacing the Blower Housing Liners; continued,

figure 5.5a



⚠ WARNING

Thoroughly read and understand the safety and pre-operating sections of this manual before working on the unit.

⚠ WARNING

Make sure the negative battery cable is disconnected before opening the blower housing.

Review the safety section of this manual before attempting these procedures. To gain access to the interior of the blower housing please see the previous sections.

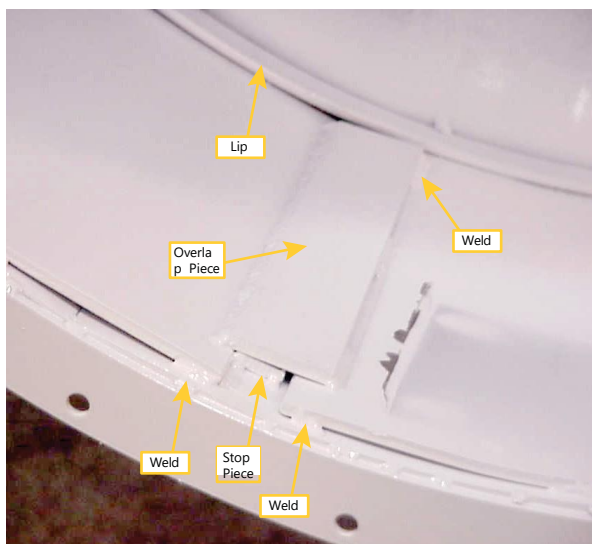
Installing the Liners (refer to 5.5a and 5.5b), continued;

⚠ WARNING

Keep all fuel and fuel fumes away from the unit when grinding or welding. Work only in a well ventilated area.

3. Install the long liner the same way as the short liner except the long liner should slip under the overlap piece. Make sure the liner slips under the rear lip and the overlap piece.
4. Tack weld the long liner to the overlap piece and tack weld around the liner as you did on the short liner.
5. Install the two bolt-in liners just as they were removed.

figure 5.5b



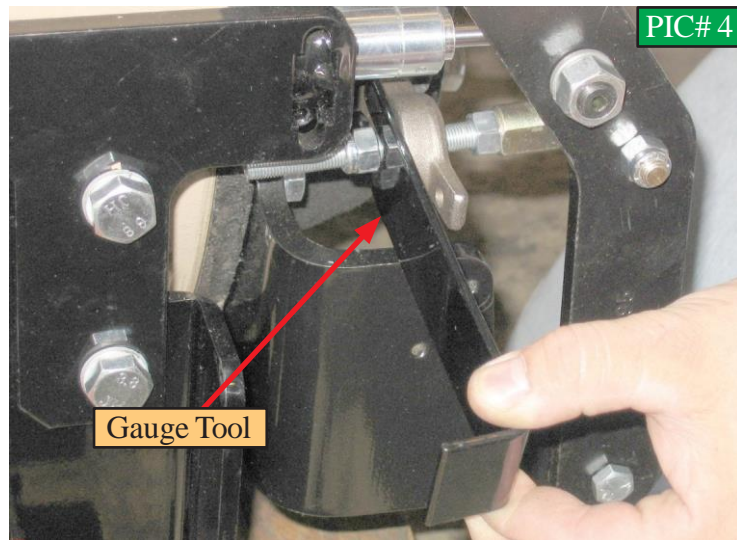
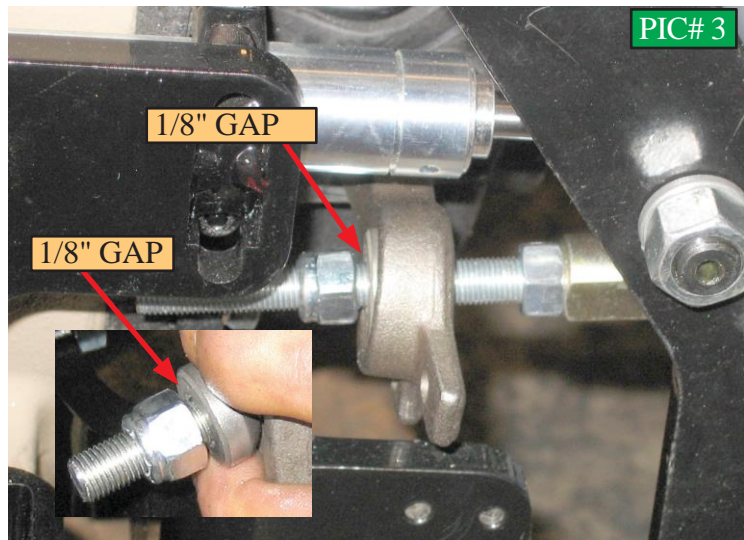
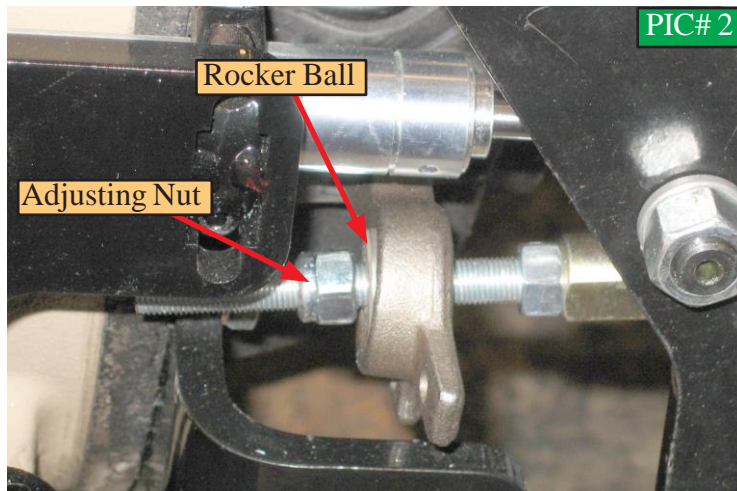
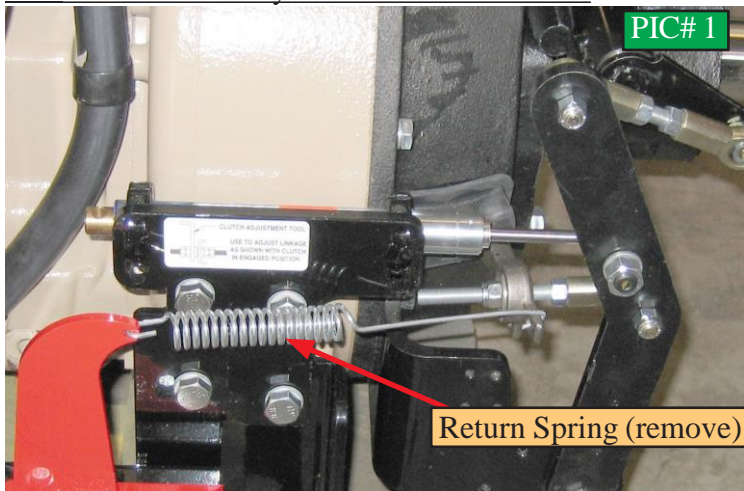
Service Section

5.5 Auto Mfg. Clutch Adjustment - 2008 and after

CAUTION

Rotating Shafts, pulleys, and moving belts can cause severe injury or can be fatal. The engine and driven unit **MUST** be completely stopped before any adjustments or work is attempted to the engine, driven unit, or the PTO clutch itself.

The clutch linkage should be checked after the first 15 hours of operation and every 40 hours thereafter. An improperly adjusted clutch can result in premature wear to the clutch disc, flywheel and the throwout bearing and will void the warranty on the clutch and PTO.



ADJUSTMENT OF THE CLUTCH LINKAGE

1. Make sure the engine is OFF and remove the negative battery cable to ensure the unit can not accidentally be started.
2. Remove the spring from the throwout arm. (See PIC# 1) An accurate measure of the arm tension **CAN NOT** be made with the spring attached.
3. With the clutch in the engaged position adjust the nut (See PIC# 2) against the "rocker ball" until a 1/8" gap between the nut and rocker ball is visible (See PIC# 3).
If available, use the special 1/8" gauge tool to slip between the nut and rocker ball. With the proper adjustment the
4. gauge should slide between the nut and rocker ball with a slight amount of pressure. (See PIC# 4)
Move the adjustment nut to create the 1/8" gap.
5. Re-install the return spring.
6. Place the handle in the disengaged position. Check to make sure that the PTO output shaft turns freely.



PARTS BREAKDOWN SECTIONS

- 6.0 Engine Group**
- 7.0 Clutch Group**
- 8.0 Blower Housing Group**
- 9.0 Hydraulic Group**
- 10.0 Chassis and Hopper Group**
- 11.0 Hose Boom Group**

PARTS BREAKDOWN SECTIONS

ODB COMPANY

**5118 Glen Alden Drive
Richmond, VA 23231**

800-446-9823



6-0

6.0 ENGINE GROUP

6.0 ENGINE GROUP

<u>Air Cleaner Group.....</u>	<u>65</u>
<u>Sheet Metal Group.....</u>	<u>68</u>
<u>Engine Mount and Attachment Group.....</u>	<u>74</u>
<u>Radiator Assembly And Muffler Group.....</u>	<u>77</u>
<u>Kubota Common Service.....</u>	<u>81</u>
<u>Kubota Sheet Metal Group.....</u>	<u>82</u>
<u>Kubota Air Cleaner Group.....</u>	<u>83</u>
<u>Kubota Exhaust Component Group.....</u>	<u>84</u>
<u>Electronics and Components Group.....</u>	<u>85</u>
<u>Remote Clutch.....</u>	<u>90</u>

ODB COMPANY

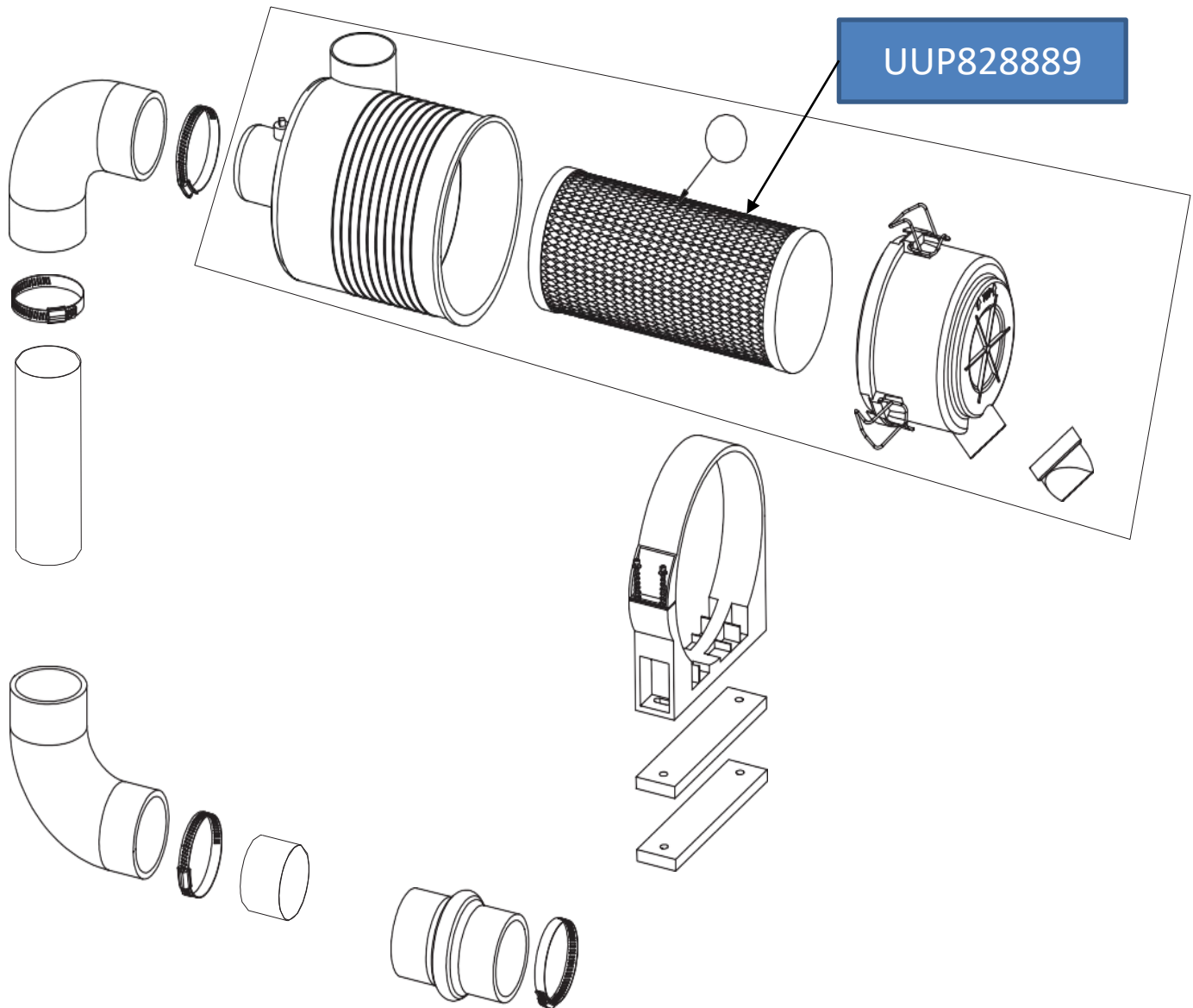
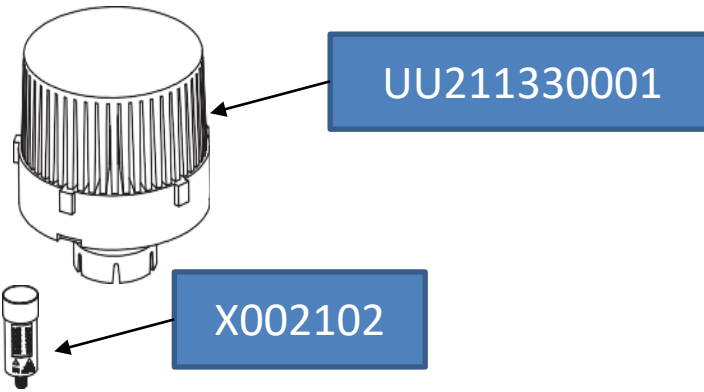
5118 Glen Alden Drive

Richmond, VA 23231

800-446-9823

AIR CLEANER GROUP

JOHN DEERE ENGINE



AIR CLEANER GROUP

JOHN DEERE ENGINE

PART NUMBER:

UU211330001

DESCRIPTION:

TURBO 3
PRECLEANER 4IN



PART NUMBER:

X002102

DESCRIPTION:

AIR RESTRICTION
INDICATOR



PART NUMBER:

P123462ODX

DESCRIPTION:

ELBOW 3.5IN TO
3IN



PART NUMBER:

P105608ODX

DESCRIPTION:

CONNECTOR 3IN



PART NUMBER:

P105532ODX

DESCRIPTION:

90DEG ELBOW 3IN

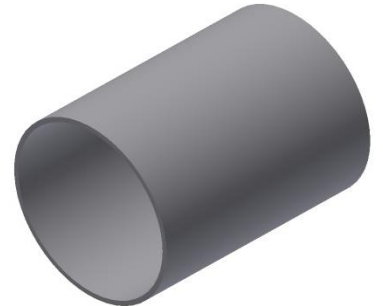


PART NUMBER:

696XZ

DESCRIPTION:

3IN ALUMINUM
TUBE 4IN LONG



PART NUMBER:

40454010

DESCRIPTION:

3IN ALUMINUM
TUBE 18IN LONG



PART NUMBER:

HS52

DESCRIPTION:

HOSE CLAMP



AIR CLEANER GROUP

JOHN DEERE ENGINE

PART NUMBER:

G082527ODX

DESCRIPTION:

AIR BREATHER 8IN
(INCLUDES UUP82889,
UUP534048, &
UUP158914)

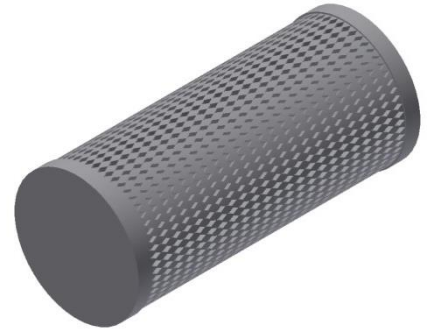


PART NUMBER:

UUP82889

DESCRIPTION:

FILTER



PART NUMBER:

UUP534048

DESCRIPTION:

COVER
(DOES NOT INCLUDE
VACUATOR VALVE)



PART NUMBER:

UUP158914

DESCRIPTION:

VACUATOR VALVE



PART NUMBER:

P777732ODX

DESCRIPTION:

8IN AIR BREATHER
CLAMP



PART NUMBER:

KUB4028M

DESCRIPTION:

AIR CLEANER
SPACER



PART NUMBER:

664XZ

DESCRIPTION:

RUBBER PRE-
CLEANER ADAPTER

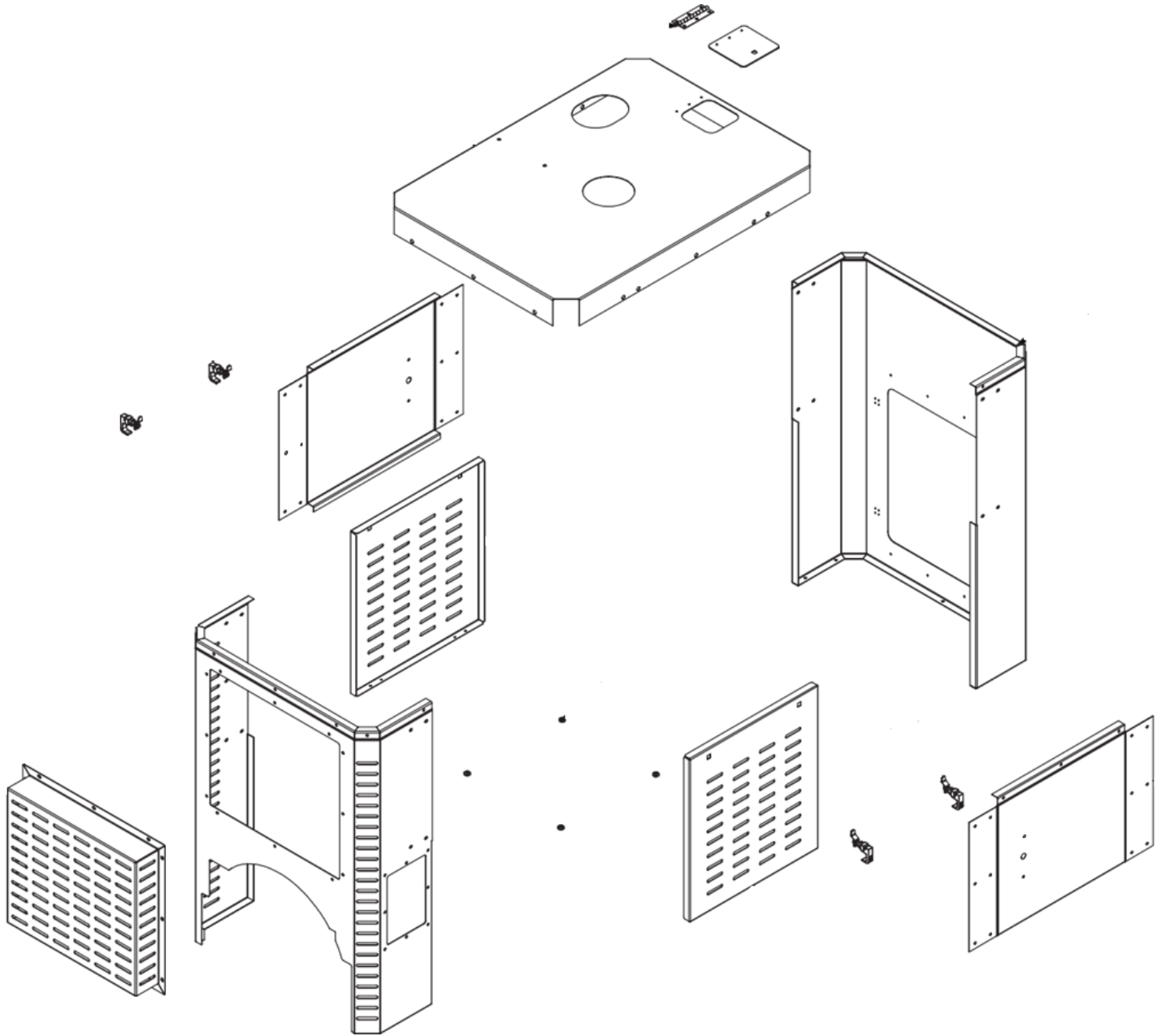


PART NUMBER:

DESCRIPTION:

SHEET METAL GROUP

JOHN DEERE ENGINE



SHEET METAL GROUP

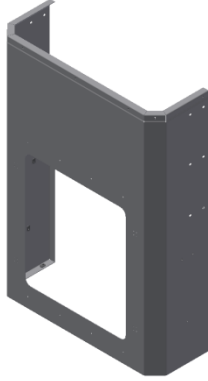
JOHN DEERE ENGINE

PART NUMBER:

40454001

DESCRIPTION:

SHEET METAL
FRONT

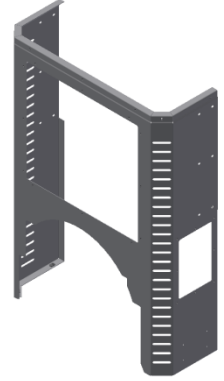


PART NUMBER:

40454002

DESCRIPTION:

SHEET METAL REAR

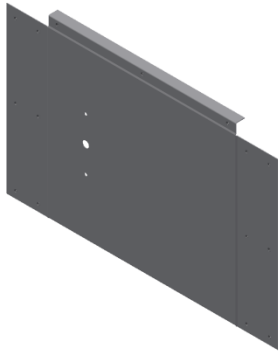


PART NUMBER:

40454003

DESCRIPTION:

SHEET METAL
UPPER DOORS

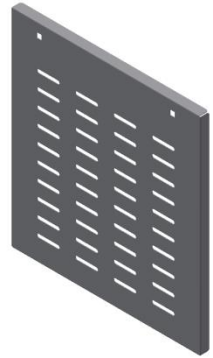


PART NUMBER:

40454004

DESCRIPTION:

SHEET METAL
DOORS

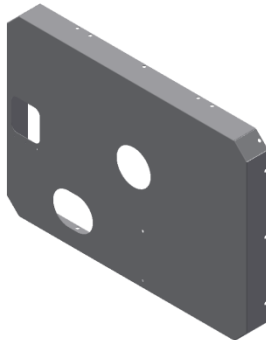


PART NUMBER:

40454005

DESCRIPTION:

SHEET METAL
HOOD

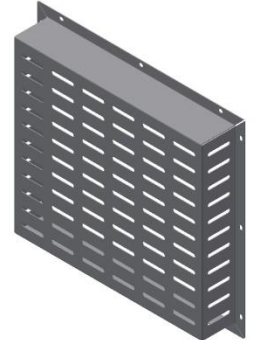


PART NUMBER:

30292108

DESCRIPTION:

REAR ACCESS
PANEL



PART NUMBER:

40452102B

DESCRIPTION:

OIL FILL DOOR



PART NUMBER:

LCT60624A

DESCRIPTION:

LIFT AND TURN
LATCH

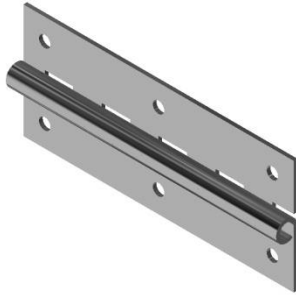


SHEET METAL GROUP

JOHN DEERE ENGINE

PART NUMBER:

40452102C



DESCRIPTION:

DOOR HINGE
(DETAIL ON PAGE
70)

PART NUMBER:

285628012



DESCRIPTION:

DOOR GROMMET

PART NUMBER:

460XZ

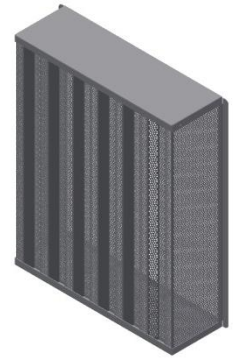


DESCRIPTION:

MANUAL CANISTER

PART NUMBER:

40450018SP

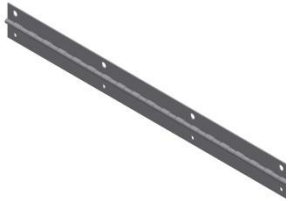


DESCRIPTION:

RADIATOR BOX
SCREEN

PART NUMBER:

40450018B

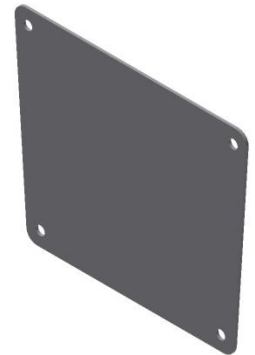


DESCRIPTION:

RADIATOR SCREEN
HINGE
(DETAILS ON PAGE
71)

PART NUMBER:

40454104



DESCRIPTION:

ECU MOUNTING
PLATE

PART NUMBER:

STD3123



DESCRIPTION:

COVER PLATE

PART NUMBER:

40452112F



DESCRIPTION:

COVER PLATE,
SOLENOID ACCESS

SHEET METAL GROUP

JOHN DEERE ENGINE

PART NUMBER:

LCT650114



DESCRIPTION:

PANEL COVER
CLAMP

PART NUMBER:

40450018C



DESCRIPTION:

CABLE STRAP

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

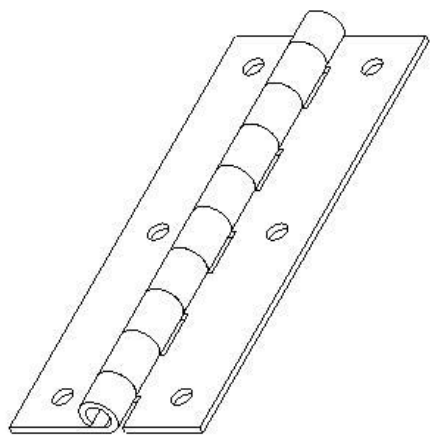
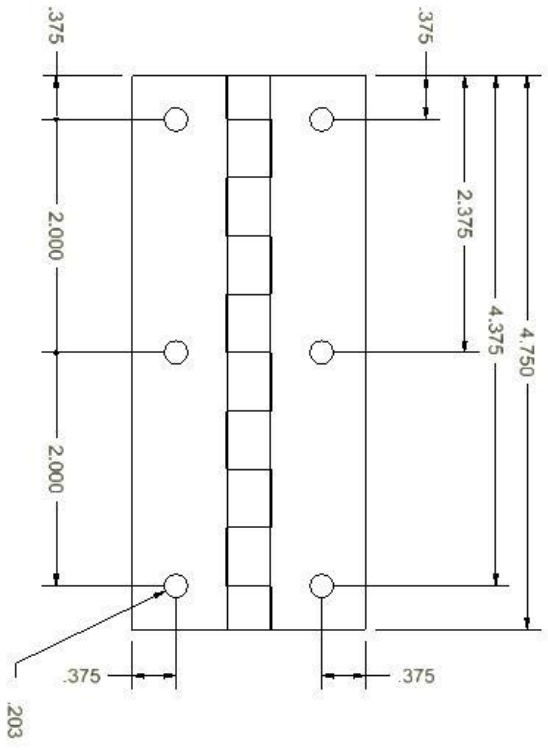
DESCRIPTION:


PART NUMBER:

DESCRIPTION:

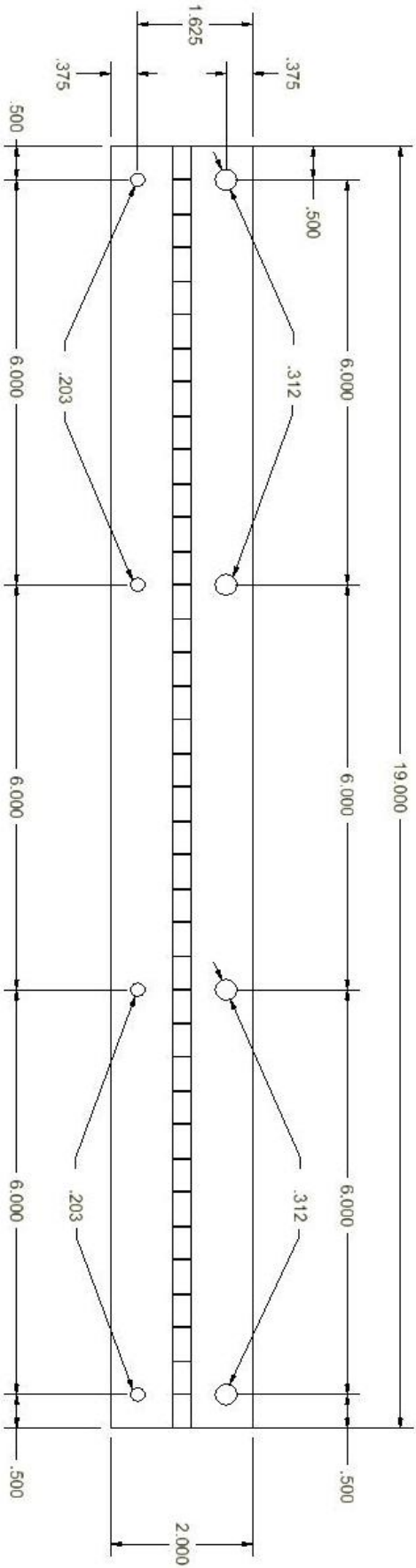
PART NUMBER:

DESCRIPTION:




SUBMITTER: JINCE		DRAWN BY: JINCE	
LT	REVISION	ENGR	DATE
A			
B			
C			
D			
 OLD DOMINION BRUSH CO.			
CUST. NAME:		FILE:	
PROJECT:		40482102CLM	
PART NAME:		HING. OIL & RAD. DOOR	
PART NO.:		10152102C	

RADIATOR SCREEN 4045.0018B HINGE



304 STAINLESS STEEL HINGE 2" OPEN, 16 GAUGE (19" LONG)

 OLD DOMINION BRUSH CO.																												
<table border="1"> <tr><th>REV#</th><th>DESCRIPTION</th><th>DATE</th></tr> <tr><td>A</td><td></td><td></td></tr> <tr><td>B</td><td></td><td></td></tr> <tr><td>C</td><td></td><td></td></tr> <tr><td>D</td><td></td><td></td></tr> </table>	REV#	DESCRIPTION	DATE	A			B			C			D			<table border="1"> <tr><td>QTY</td><td>1</td></tr> <tr><td>UNIT</td><td>EA</td></tr> <tr><td>DATE</td><td></td></tr> <tr><td>PROJECT</td><td></td></tr> <tr><td>PART NAME</td><td></td></tr> <tr><td>PART NO.</td><td>1015.0018B</td></tr> </table>	QTY	1	UNIT	EA	DATE		PROJECT		PART NAME		PART NO.	1015.0018B
REV#	DESCRIPTION	DATE																										
A																												
B																												
C																												
D																												
QTY	1																											
UNIT	EA																											
DATE																												
PROJECT																												
PART NAME																												
PART NO.	1015.0018B																											

ENGINE MOUNT AND ATTACHMENT GROUP

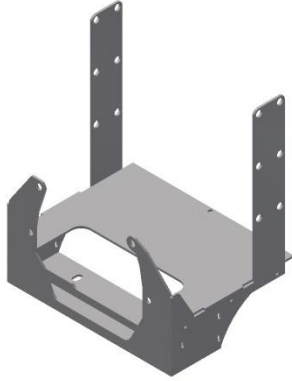
JOHN DEERE ENGINE

PART NUMBER:

40452151A

DESCRIPTION:

FRONT ENGINE
MOUNT

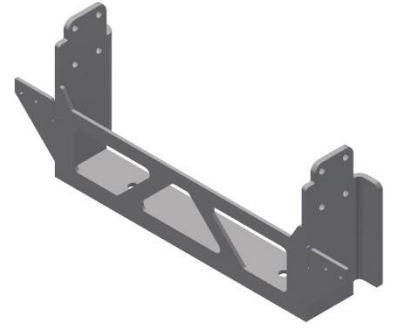


PART NUMBER:

40452152

DESCRIPTION:

REAR ENGINE
MOUNT



PART NUMBER:

40454006

DESCRIPTION:

RIGHT HAND SIDE
RAIL

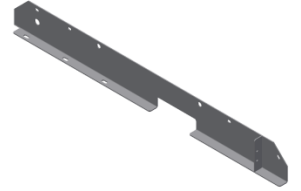


PART NUMBER:

40454007

DESCRIPTION:

LEFT HAND SIDE
RAIL



PART NUMBER:

202XZ

DESCRIPTION:

ADJUSTABLE
MOTOR MOUNT



PART NUMBER:

255XZ

DESCRIPTION:

ADJUSTABLE
MOTOR MOUNT
CHANNEL



PART NUMBER:

400050A

DESCRIPTION:

CLUTCH ASSIST
CYLINDER



PART NUMBER:

400053C

DESCRIPTION:

CLUTCH ASSIST
BRACKET



ENGINE MOUNT AND ATTACHMENT GROUP

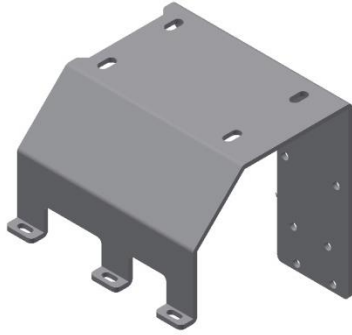
JOHN DEERE ENGINE

PART NUMBER:

40454100

DESCRIPTION:

EXHAUST FILTER
MOUNTING
BRACKET



PART NUMBER:

40454101

DESCRIPTION:

EXHAUST FILTER
SADDLE BRACKET



PART NUMBER:

40454103

DESCRIPTION:

EXHAUST SENSOR
BRACKET



PART NUMBER:

40454504

DESCRIPTION:

FUEL COOLER
BRACKET

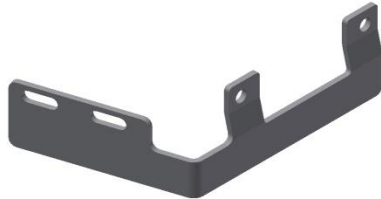


PART NUMBER:

1303XZ

DESCRIPTION:

CANISTER
MOUNTING
BRACKET



PART NUMBER:

RE241176

DESCRIPTION:

FUEL COOLER

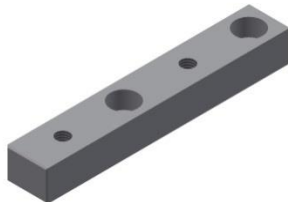


PART NUMBER:

344XZ

DESCRIPTION:

FUEL FILTER
BRACKET



PART NUMBER:

392XZ

DESCRIPTION:

AUX DRIVE KIT

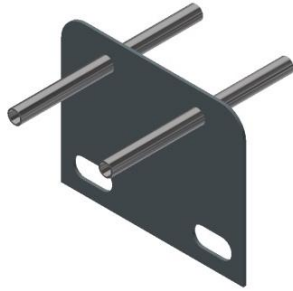


ENGINE MOUNT AND ATTACHMENT GROUP

JOHN DEERE ENGINE

PART NUMBER:

4000160DX



DESCRIPTION:

FUEL LINE BRACKET

PART NUMBER:

1490XZ



DESCRIPTION:

**5/8 HEATER HOSE,
18IN LONG**

PART NUMBER:

JDRE539472



DESCRIPTION:

FITTING

PART NUMBER:

JDX3J98266



DESCRIPTION:

ELBOW

PART NUMBER:

HYF1046



DESCRIPTION:

**HOSE BARB
STRAIGHT**

PART NUMBER:

DESCRIPTION:

PART NUMBER:

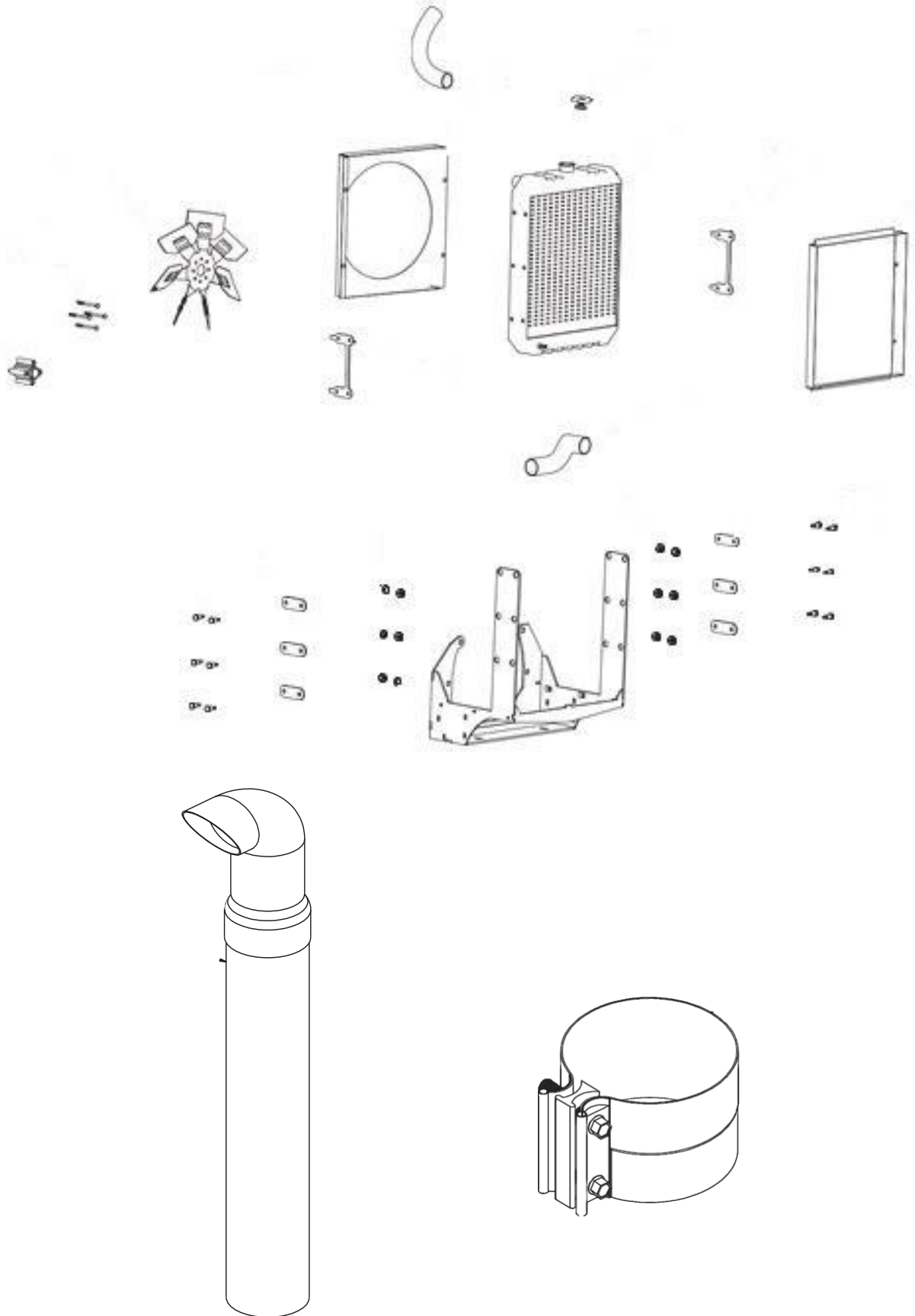
DESCRIPTION:

PART NUMBER:

DESCRIPTION:

RADIATOR ASSEMBLY AND MUFFLER GROUP

JOHN DEERE ENGINE



RADIATOR ASSEMBLY AND MUFFLER GROUP

JOHN DEERE ENGINE

PART NUMBER:

40454105

DESCRIPTION:

TAIL PIPE,
3IN X 26IN



PART NUMBER:

J0002000ODX

DESCRIPTION:

3IN MUFFLER
CLAMP



PART NUMBER:

40459501A2

DESCRIPTION:

RADIATOR



PART NUMBER:

10300

DESCRIPTION:

RADIATOR CAP



PART NUMBER:

40452190A

DESCRIPTION:

REAR RADIATOR
SHROUD

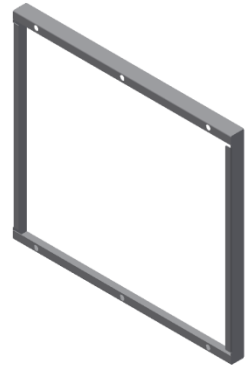


PART NUMBER:

40452190B

DESCRIPTION:

FRONT RADIATOR
SHROUD

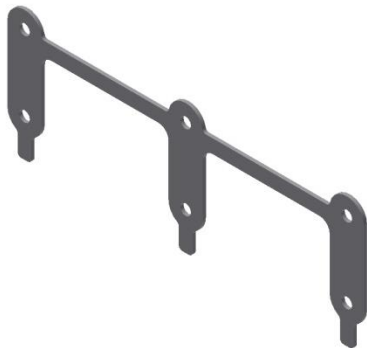


PART NUMBER:

40452151G

DESCRIPTION:

RADIATOR SHIM



PART NUMBER:

AT35158

DESCRIPTION:

RADIATOR FAN



RADIATOR ASSEMBLY AND MUFFLER GROUP

JOHN DEERE ENGINE

PART NUMBER:

40452151F

DESCRIPTION:

RADIATOR BOLT
BRACKET



PART NUMBER:

256126012

DESCRIPTION:

RADIATOR
GROMMET



PART NUMBER:

R128443

DESCRIPTION:

FAN SPACER



PART NUMBER:

84110DX

DESCRIPTION:

UPPER RADIATOR
HOSE



PART NUMBER:

40459681

DESCRIPTION:

LOWER RADIATOR
HOSE



PART NUMBER:

G8M8X090

DESCRIPTION:

RADIATOR FAN
SHOULDER BOLTS

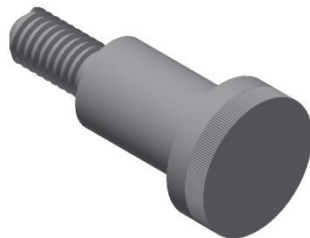


PART NUMBER:

ZSB500750

DESCRIPTION:

RADIATOR SHOULDER
BOLT



PART NUMBER:

40000694

DESCRIPTION:

EXHAUST PIPE
RECIEVER



RADIATOR ASSEMBLY AND MUFFLER GROUP

JOHN DEERE ENGINE

PART NUMBER:

HS60

DESCRIPTION:

HOSE CLAMP 3.5IN



PART NUMBER:

HS28

DESCRIPTION:

FOSE CLAMP 1.75-
2.375IN



PART NUMBER:

HS32

DESCRIPTION:

HOSE CLAMP .5IN



PART NUMBER:

HS36

DESCRIPTION:

HOSE CLAMP #36



PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

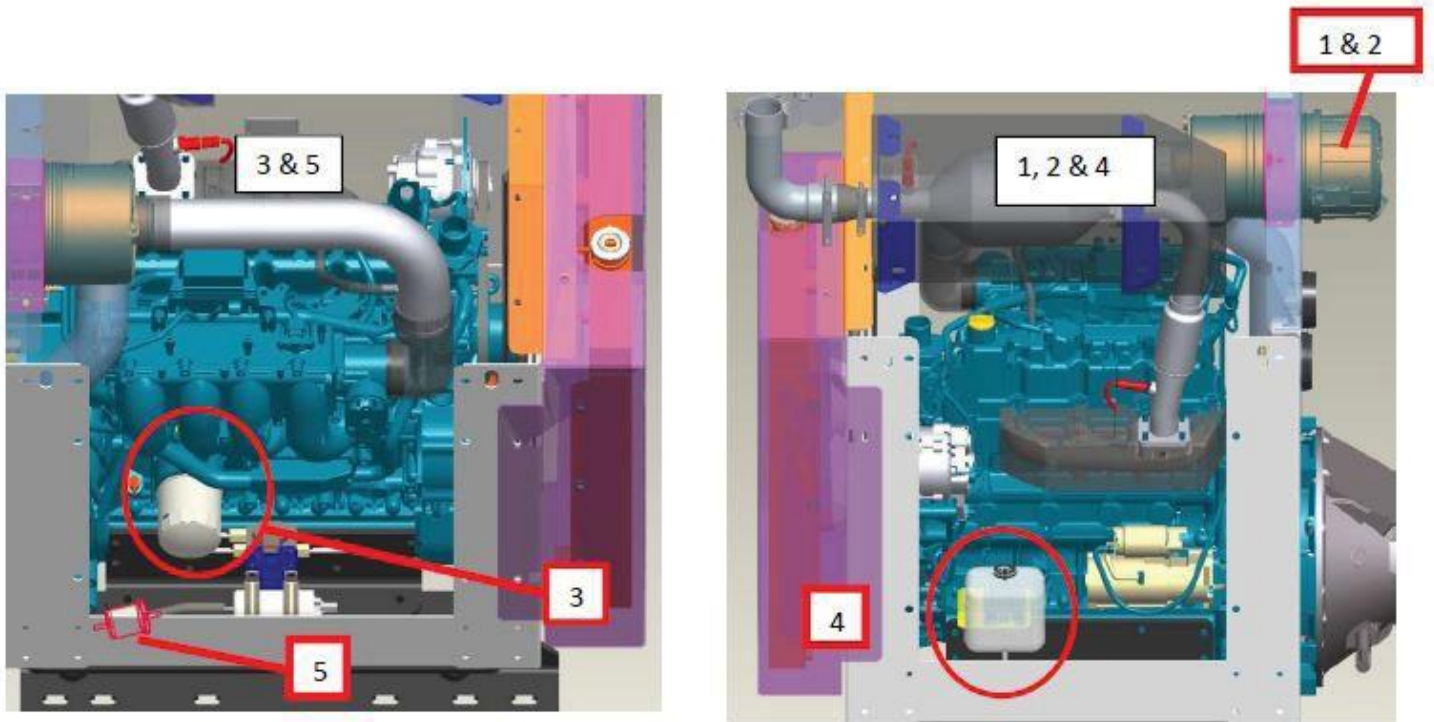
DESCRIPTION:

PART NUMBER:

DESCRIPTION:

KUBOTA COMMON SERVICE

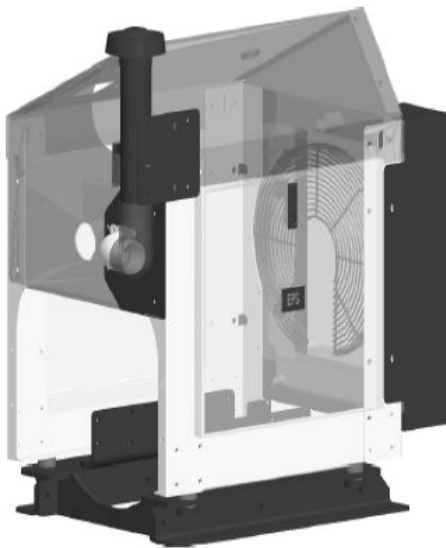
KUBOTA ENGINE



	Description	Service Interval	Task Required	Notes
1	Air Filter	Yearly/As Needed	Replace Filter	Use Approved Filter P/N: CH07-14074
2	Safety Element	Yearly/As Needed	Replace Filter	Use Approved Filter P/N: ST07-14270
3	Oil Filter	*Every 400 Hours*	Change Oil & Filter 3.22 US Gal Capacity	Use SL or Better Oil Filter P/N: EG505-32111
4	Radiator Overflow Reservoir	Daily	Check Fluid Level	50/50 Anti-Freeze/Water Ratio Fill to Line on Reservoir
5	Fuel Filter	Every 100 Hours Yearly	Check Filter Replace Filter	Use Approved Filter P/N: 12581-43012
6	***Spark Plugs***	Every 100 Hours Every 2000 Hours	Clean/Adjust Spark Plugs Change Spark Plugs	Use Approved Spark Plugs P/N: IFR6F8DN

KUBOTA SHEET METAL GROUP

KUBOTA ENGINE



8149X-ODB
SCALE: 0.070

BILL OF MATERIALS

ITEM	FILE NAME	DESCRIPTION	MANUF.	MANUF. NO.	QTY
1	1737	FAN GUARD, 19"	EPS	EPS1737	1
2	6642	ISOLATOR CUP	EPS	EPS6642	4
3	8083	WG3800-G RADIATOR	EPS	EPS9999	1
4	8150	WG38C SUB-FRAME	EPS	EPS8150	1
5	8151	WG38C ENG MNT	EPS	EPS8151	2
6	8152	WG38C SHROUD	EPS	EPS8152	1
7	8153	WG38C BOTTOM RAIL R	EPS	EPS8153	1
8	8154	WG38C BOTTOM RAIL L	EPS	EPS8154	1
9	8155	WG38C POST FRONT R	EPS	EPS8155	1
10	8156	WG38C POST FRONT L	EPS	EPS8156	1
11	8157	WG38C POST REAR R	EPS	EPS8157	1
12	8158	WG38C POST REAR L	EPS	EPS8158	1
13	8159	WG38C REAR PANEL	EPS	EPS8159	1
14	8161	WG38C FUEL BKT	EPS	EPS8161	1
15	8168	WG38C CONTROL PANEL PLATE	EPS	EPS8168	1
16	8170	WG38C RAD HOSE UPPER	EPS	EPS8170	1
17	8171	WG38C RAD HOSE LOWER	EPS	EPS8171	1
18	8183	WG38C SGL TRIG LATCH DOOR	EPS	EPS8183	2
19	9020	WG38-3TC TOP	EPS	EPS9020	1
20	9021	WG38-3TC REAR PANEL	EPS	EPS9021	1
21	9022	WG38-3TC FRONT PANEL	EPS	EPS9022	1
22	9291	ODB LEFT MOUNT	EPS	EPS9291	1
23	9292	ODB RIGHT MOUNT	EPS	EPS9292	1
24	9293	WG3800 ODB GUARD	EPS	EPS9293	1
25	9588	WG3800 INTAKE PIPE	EPS	EPS9588	1
26	90CB30	COBRA ELBOW, 3.00 X 3.00	PUROSIL	90CB30	1
27	9200W	ODB C PANEL WELDMENT	EPS	EPS9200W	1
28	9296W	ODB INTAKE FLANGE	EPS	EPS9296W	1
29	9600K72	GROMMET	McMASTER-CARR	9600K72	1
30	DON27	INLET HOOD	DONALDSON	H001379	1
31	EBE03	LATCH, TRIGGER	EBERHARD	536-YK BLK	2
32	EPS_LOGO_PLATE	EPS LOGO PLATE	EPS	54356-0836	1
33	GAT01	RAD CAP 13 PSI SAE SMALL	GATES	31527	1
34	MCM19	RUBBER GROMMET	McMASTER-CARR	9307K23	6
35	MCM80	SHOULDER, SCREW .375 X .50 LG	McMASTER-CARR	90298A619	6
36	TECO3	ISOLATOR	TECH PRODUCTS	60024	4
37	TOUGH_STUFF_LOGO_PLATE	TOUGH STUFF LOGO PLATE	EPS	54357-0836	1

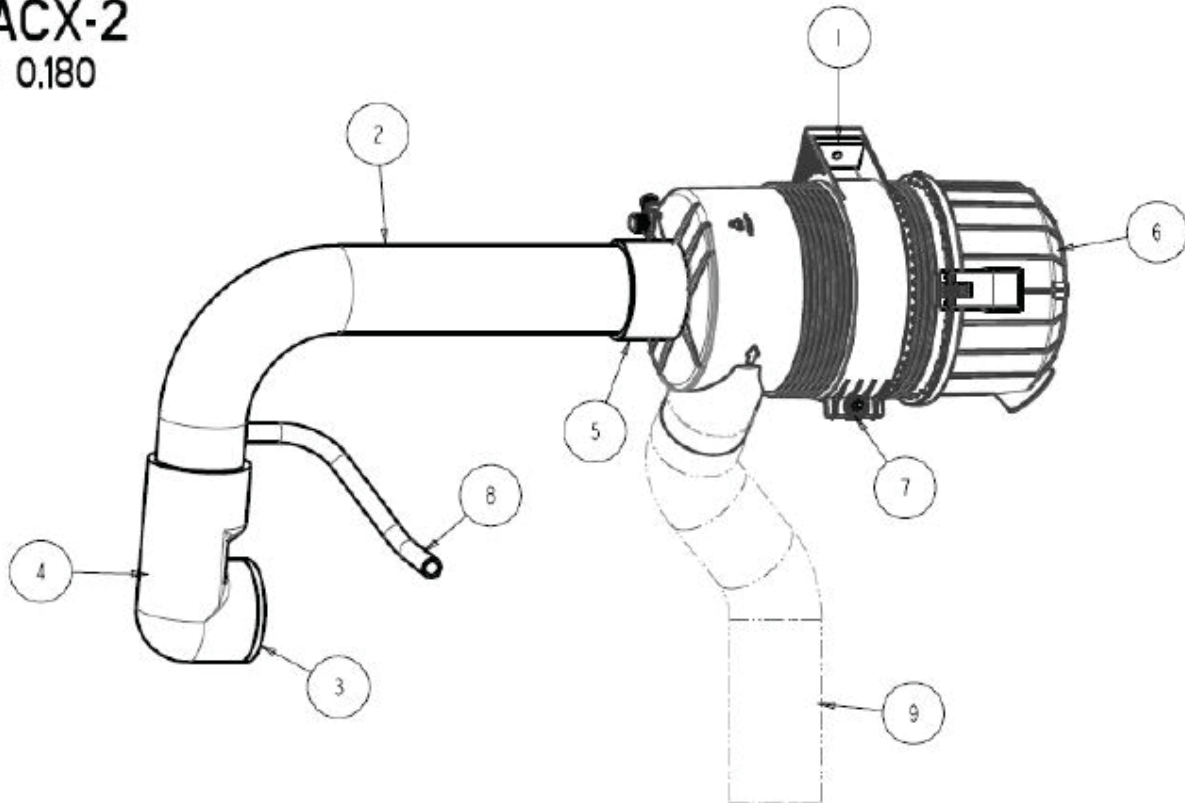
KUBOTA AIR CLEANER GROUP

KUBOTA ENGINE

BILL OF MATERIALS					
ITEM	QTY	FILE NAME	DESCRIPTION	MANUF.	MANUF. NO.
1	2	2425	NUT BLOCK, AIR CLEANER BAND	EPS	EPS2425
2	1	9026	WG38-STC AC PIPE	EPS	EPS9026
3	1	30R275S	EPDM INSERT, 2.75-3.00 SHORT	PUROSIL	30R275S
4	1	90CB30	COBRA ELBOW, 3.00 X 3.00	PUROSIL	90CB30
5	1	RC-300	RUBBER COUPLING	EPS	3.00" ID
6	1	VI4147-20_00	AIR CLEANER	VIRGIS	VI4147-20_00
7	1	VI5322_01	FROT MOUNTING BAND	VIRGIS	CF07-15322
8	1	V38-BREATHER-HOSE-2	BREATHER HOSE	HOSEMASTER	1/2" ID X 11" LONG
9	1	WG38-INTAKE-HOSE	3" INTAKE HOSE	McMASTER-CARR	5488K61 x 1.5 FT

WG38-ACX-2

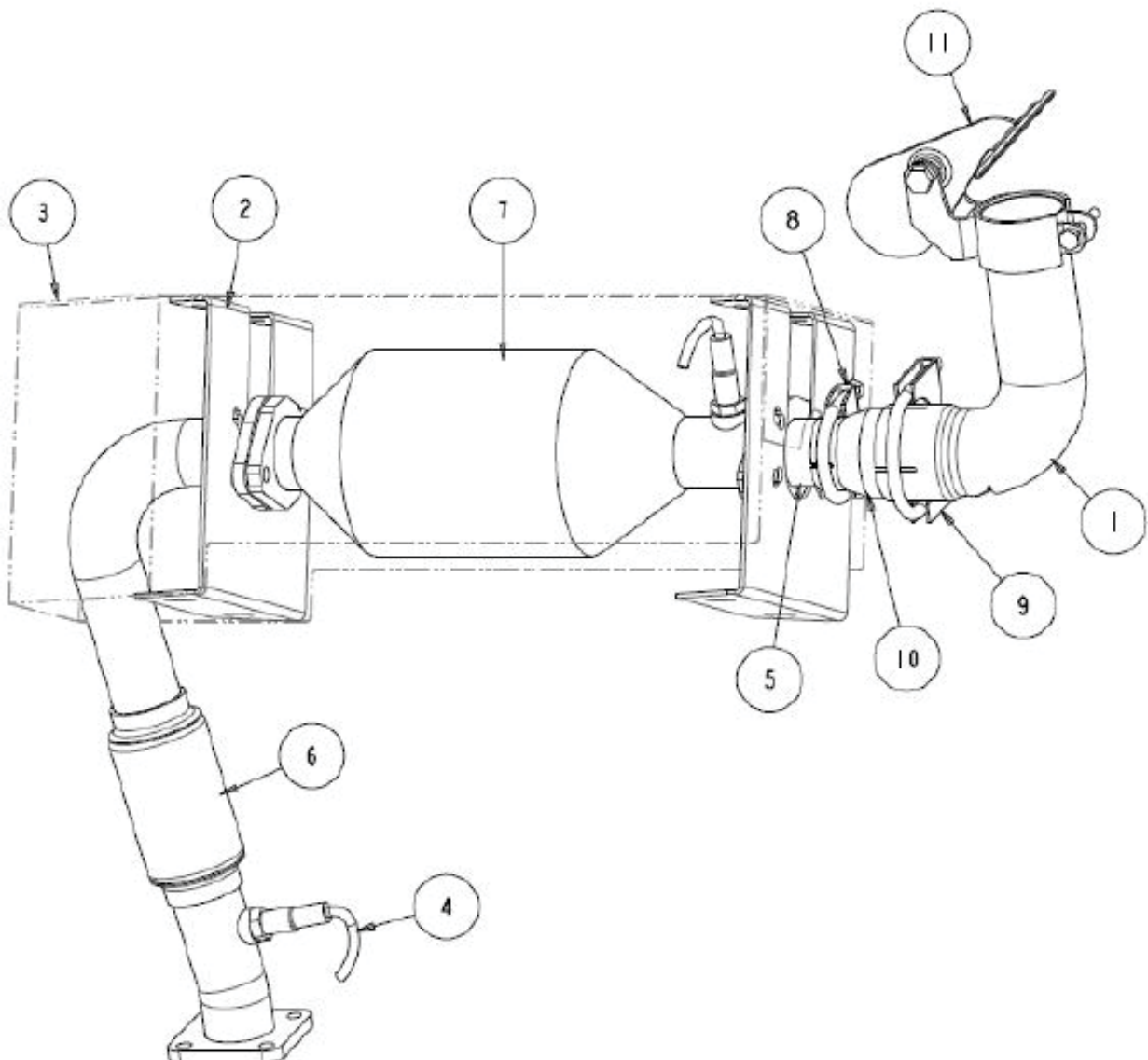
SCALE: 0.180



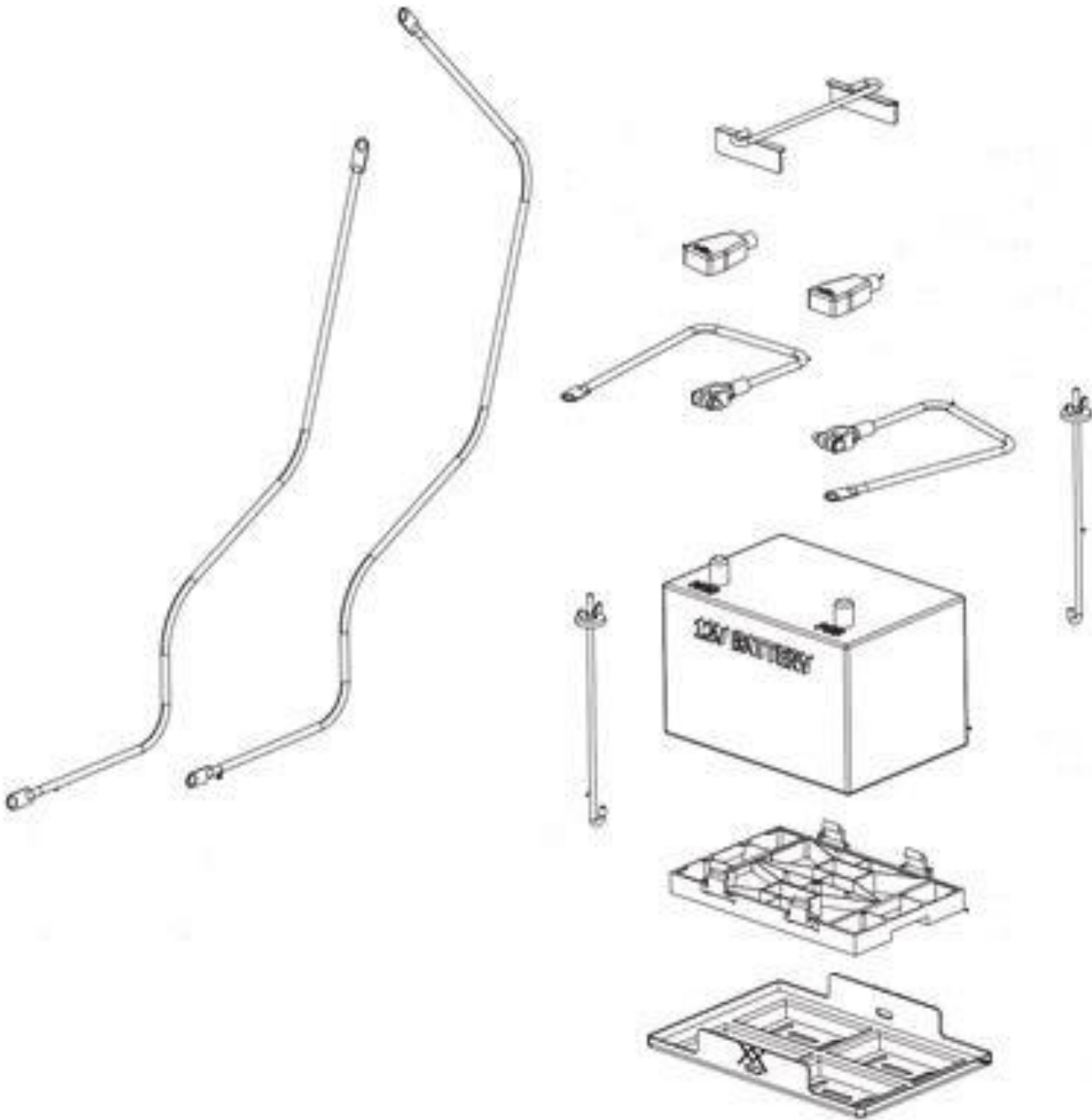
KUBOTA EXHAUST COMPONENT GROUP

KUBOTA ENGINE

BILL OF MATERIALS					
ITEM	QTY	FILE NAME	DESCRIPTION	MANUF.	MANUF. NO.
1	1	3904	CHIPPER TAILPIPE FOR INLINE SA	EPS	EPS3904
2	2	9023	WG38-STC CAT YOKE	EPS	EPS9023
3	1	9024	WG38-STC CAT COVER	EPS	EPS9024
4	2	02SENSOR	O2 SENSOR	KUBOTA	EG523-12101
5	1	8564W	WG38C STRAIGHT TAILPIPE	EPS	EPS8564W
6	1	9010W	WG38-STC HEADER WELDMENT	EPS	EPS9010W
7	1	EG504-12121	WG3800 CATALYST	KUBOTA	EG504-12121
8	1	HEA01	MUFFLER CLAMP, 2.00	HEARTTHROB	MC5200
9	1	NAP11	MUFFLER CLAMP, 3.00	NAPA	733-5794
10	1	RSA20200-1	SPARK ARRESTOR	ACTIVE EXHAUST	RSA20200
11	1	TIS04	RAIN CAP 2.5 INCH	TISCO	WC6



ELECTRONIC AND COMPONENTS GROUP



ELECTRONIC AND COMPONENTS GROUP

PART NUMBER:

STD2200

DESCRIPTION:

BATTERY, NOT SHIPPABLE



PART NUMBER:

BHB10J

DESCRIPTION:

J-HOOK



PART NUMBER:

BHCB

DESCRIPTION:

BATTERY HOLD DOWN BAR



PART NUMBER:

LCT60084B

DESCRIPTION:

BATTERY CABLE
BATTERY TO START

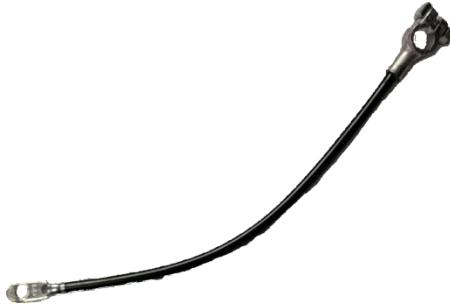


PART NUMBER:

LCT6015B

DESCRIPTION:

BATTERY CABLE
GROUND



PART NUMBER:

LCT60024SS

DESCRIPTION:

BATTERY
CABLEGROUND



PART NUMBER:

BTC

DESCRIPTION:

BATTERY TERMINAL
COVER



PART NUMBER:

BTCR

DESCRIPTION:

BATTERY TERMINAL
COVER RED



ELECTRONIC AND COMPONENTS GROUP

PART NUMBER:

JD404512SS

DESCRIPTION:

BATTERY CABLE
12IN RED, .375IN
EYE



PART NUMBER:

798XZ

DESCRIPTION:

FUSE BOX SPACER



PART NUMBER:

1341XZ

DESCRIPTION:

BATTERY
DISCONNECT



PART NUMBER:

834XZ

DESCRIPTION:

LED FUSE HOLDER



PART NUMBER:

417XZ

DESCRIPTION:

SOLENOID TO
STARTER

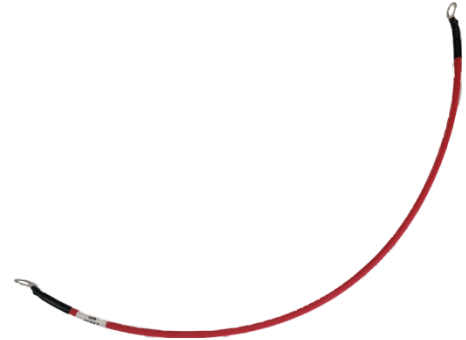


PART NUMBER:

418XZ

DESCRIPTION:

CHARGER WIRE



PART NUMBER:

612XZ

DESCRIPTION:

MAIN VEHICLE
HARNESS



PART NUMBER:

5501852

DESCRIPTION:

STROBE LIGHT
HARNESS



ELECTRONIC AND COMPONENTS GROUP

PART NUMBER:

8002503B

DESCRIPTION:

TAIL LIGHT
HARNESS



PART NUMBER:

8002608

DESCRIPTION:

BED LED LIGHTS
HARNESS



PART NUMBER:

SCL800WHLBF

DESCRIPTION:

FRONT BOX
HARNESS



PART NUMBER:

SCL800WHLBR

DESCRIPTION:

REAR BOX HARNESS



PART NUMBER:

1190XZ

DESCRIPTION:

REARVIEW
CAMERA



PART NUMBER:

611XZ

DESCRIPTION:

IN-CAB CONTROLS
(INCLUDES 688XZ)



PART NUMBER:

688XZ

DESCRIPTION:

REPLACEMENT
JOYSTICK FOR
611XZ



PART NUMBER:

345XZ

DESCRIPTION:

JOYSTICK ARM
MOUNT



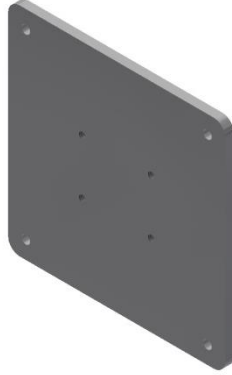
ELECTRONIC AND COMPONENTS GROUP

PART NUMBER:

346XZ

DESCRIPTION:

BASE MOUNTING
PLATE



PART NUMBER:

118XZ

DESCRIPTION:

ARM REST COVER,
FREIGHTLINER



PART NUMBER:

PMS526GW

DESCRIPTION:

ARM ASSEMBLY



PART NUMBER:

1524XZ

DESCRIPTION:

MAIN CONTROLS
ASM



PART NUMBER:

338XZ

DESCRIPTION:

PROX SWITCH



PART NUMBER:

1474XZ

DESCRIPTION:

CONTROLS,
IN CAB KIT



PART NUMBER:

1643XZ

DESCRIPTION:

MAIN CONTROL
HARNESS GEN2



PART NUMBER:

1644XZ

DESCRIPTION:

MAIN TO CAB
HARNESS GEN2



ELECTRONIC AND COMPONENTS GROUP

PART NUMBER:

1645XZ

DESCRIPTION:

VALVE BODY
HARNESS GEN2



PART NUMBER:

1646XZ

DESCRIPTION:

ENGINE AND FUEL
HARNESS GEN2



PART NUMBER:

1647XZ

DESCRIPTION:

BOOM AND
TRAPDOOR
HARNESS GEN2



PART NUMBER:

1648XZ

DESCRIPTION:

BED & HYD FILTER
HARNESS GEN2



PART NUMBER:

1649XZ

DESCRIPTION:

HYD COOLER FAN
HARNESS GEN2



PART NUMBER:

1650XZ

DESCRIPTION:

TAILGATE SIGNAL
HARNESS GEN2



PART NUMBER:

1651XZ

DESCRIPTION:

INTERIOR CAB
HARNESS GEN2

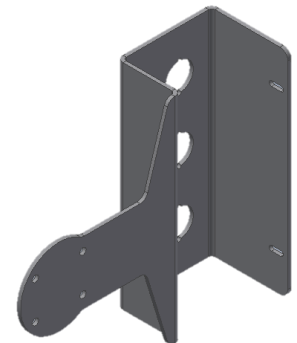


PART NUMBER:

347XZ

DESCRIPTION:

CROSS DISPLAY
BRACKET



ELECTRONIC AND COMPONENTS GROUP

PART NUMBER:

348XZ

DESCRIPTION:

CROSS BACK COVER



PART NUMBER:

1752XZ

DESCRIPTION:

DCL800,PDM,
SPACER



PART NUMBER:

1475XZ

DESCRIPTION:

HYD,CONTROLS,
EXPANSION
MODULE



PART NUMBER:

12077411

DESCRIPTION:

PIN/CAMERA



PART NUMBER:

8002501C

DESCRIPTION:

CENTER MARKER
LIGHT HARNESS



PART NUMBER:

1779XZ

DESCRIPTION:

ASM,JOYSTICK,
HARNESS GEN 2



PART NUMBER:

TCC2029

DESCRIPTION:

JOYSTICK HOLDER
STRAP AROUND T



PART NUMBER:

1476XZ

DESCRIPTION:

HYD,CONTROLS,
MAIN HARNESS



REMOTE CLUTCH

PART NUMBER:

STD7000

DESCRIPTION:

CLUTCH ACTUATOR
ARM



PART NUMBER:

STD7002

DESCRIPTION:

ACTUATOR ARM



PART NUMBER:

STD7003

DESCRIPTION:

LOWER ARM
BRACKET

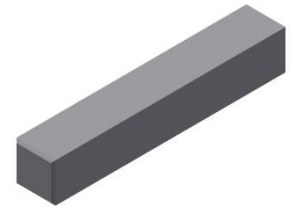


PART NUMBER:

STD7004

DESCRIPTION:

SHAFT KEY
.25IN SQ-1.5IN
LONG



PART NUMBER:

STD7005

DESCRIPTION:

ACTUATOR MOUNTING
BRACKET



PART NUMBER:

400050C1

DESCRIPTION:

BEARING CLUTCH
ASSIST



PART NUMBER:

860XZ

DESCRIPTION:

STIEN CLUTCH



PART NUMBER:

DESCRIPTION:



7-0

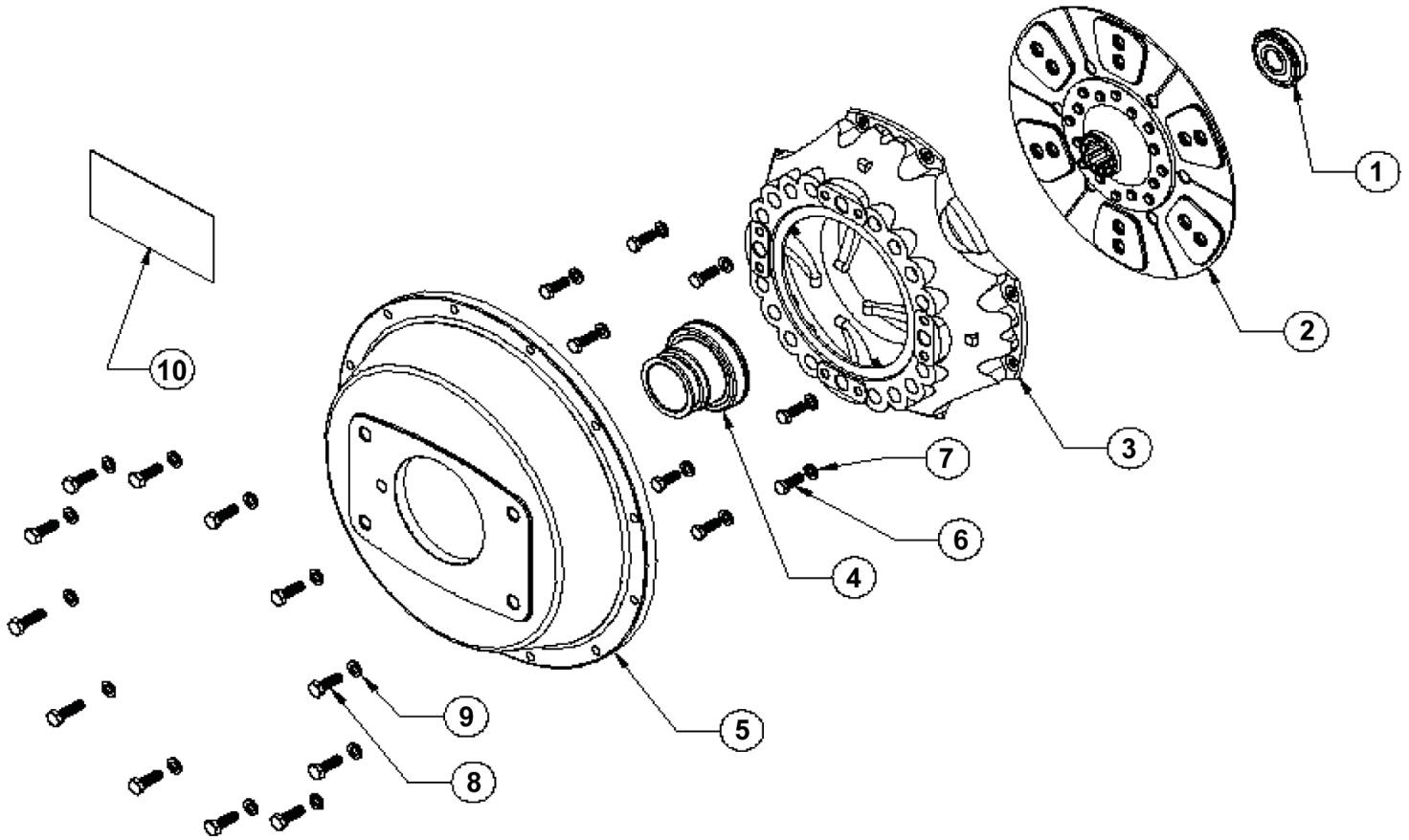
7.0 CLUTCH GROUP

7.0 CLUTCH GROUP

<u>AutoHD PTO Clutch Group.....</u>	<u>92</u>
<u>AutoHD PTO Assembly Group</u>	<u>93</u>
<u>AutoHD PTO Linkage Group</u>	<u>94</u>
<u>Clutch Assist Group</u>	<u>95</u>
<u>Kraft Fluid Drive Group (Optional).....</u>	<u>96</u>
<u>Kraft Fluid Drive Installation (Optional)</u>	<u>97</u>
<u>Kraft Fluid Drive Breakdown (Optional)</u>	<u>98</u>
<u>Kraft Fluid Drive Common Parts (Optional)</u>	<u>99</u>

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823

AUTOHD PTO CLUTCH GROUP

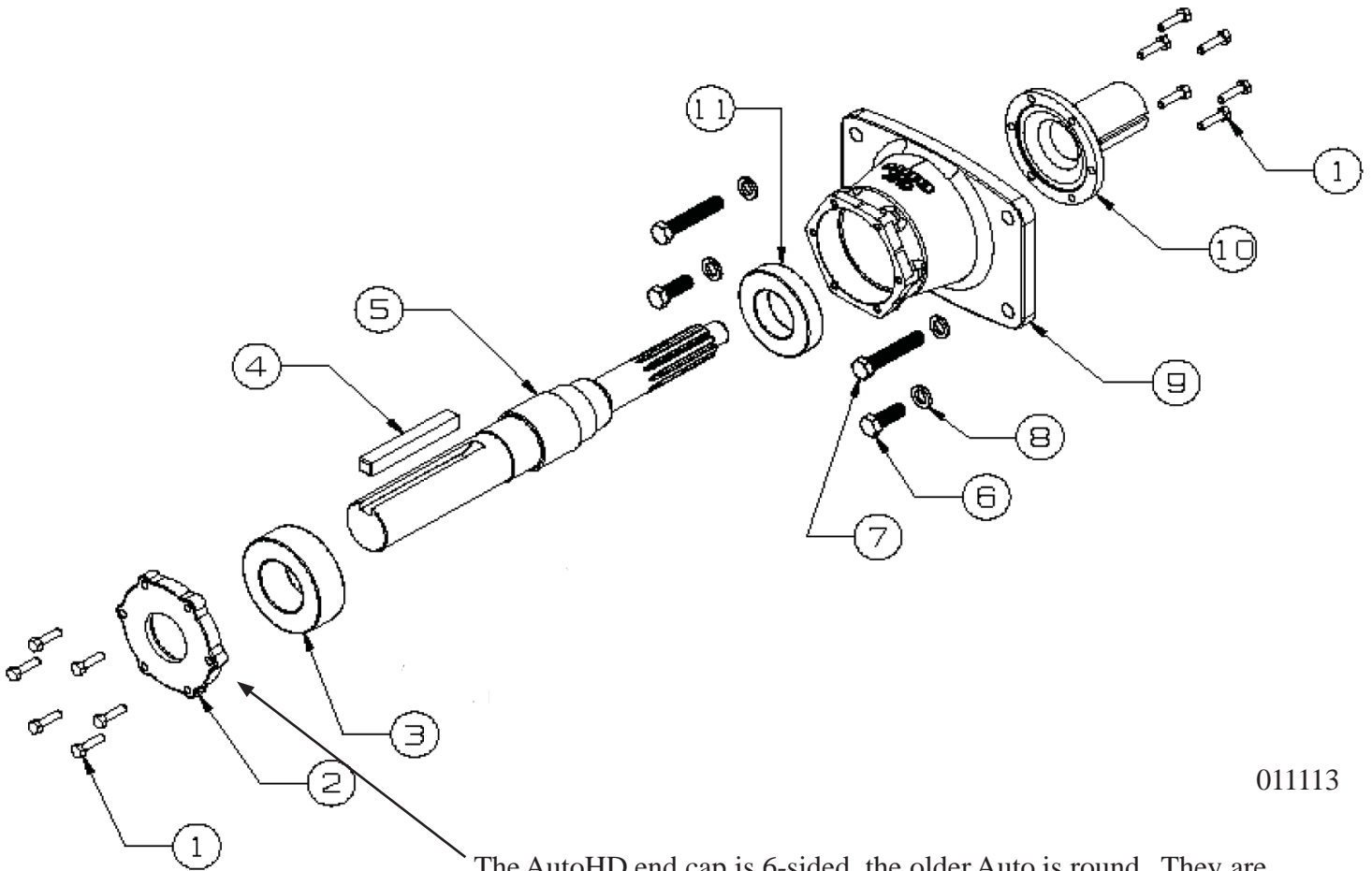


ITEM #	PART NUMBER	DESCRIPTION
*	OD-48080050.8OF	*Complete PTO and Clutch Assembly 03/08 -
1	OD-41500217	Pilot Bearing, JD
2	OD-41500237	Clutch Disk
3	OD-LC1919	Pressure Plate, 03/08 -
4	OD-41500248	Throw out Bearing, 03/08 -
5	OD-41500172	Clutch Cover
6	OD-45000054	Bolt, 3/18-16 x 1"
7	OD-45000063	Lock Washer, 3/8"
8	OD-45000226	Bolt, M10-1.50 x 35MM
9	OD-45000046	Lock Washer, M10
10	OD-41500216	Decal, Diesel Clutch

011113

Note: *48080050 and 48080050.8OF includes the everything on this page, the AutoHD PTO page and the AutoHD linkage page. This is the complete PTO/Clutch assembly. It does not include the clutch assist assembly.

AUTOHD PTO ASSEMBLY GROUP

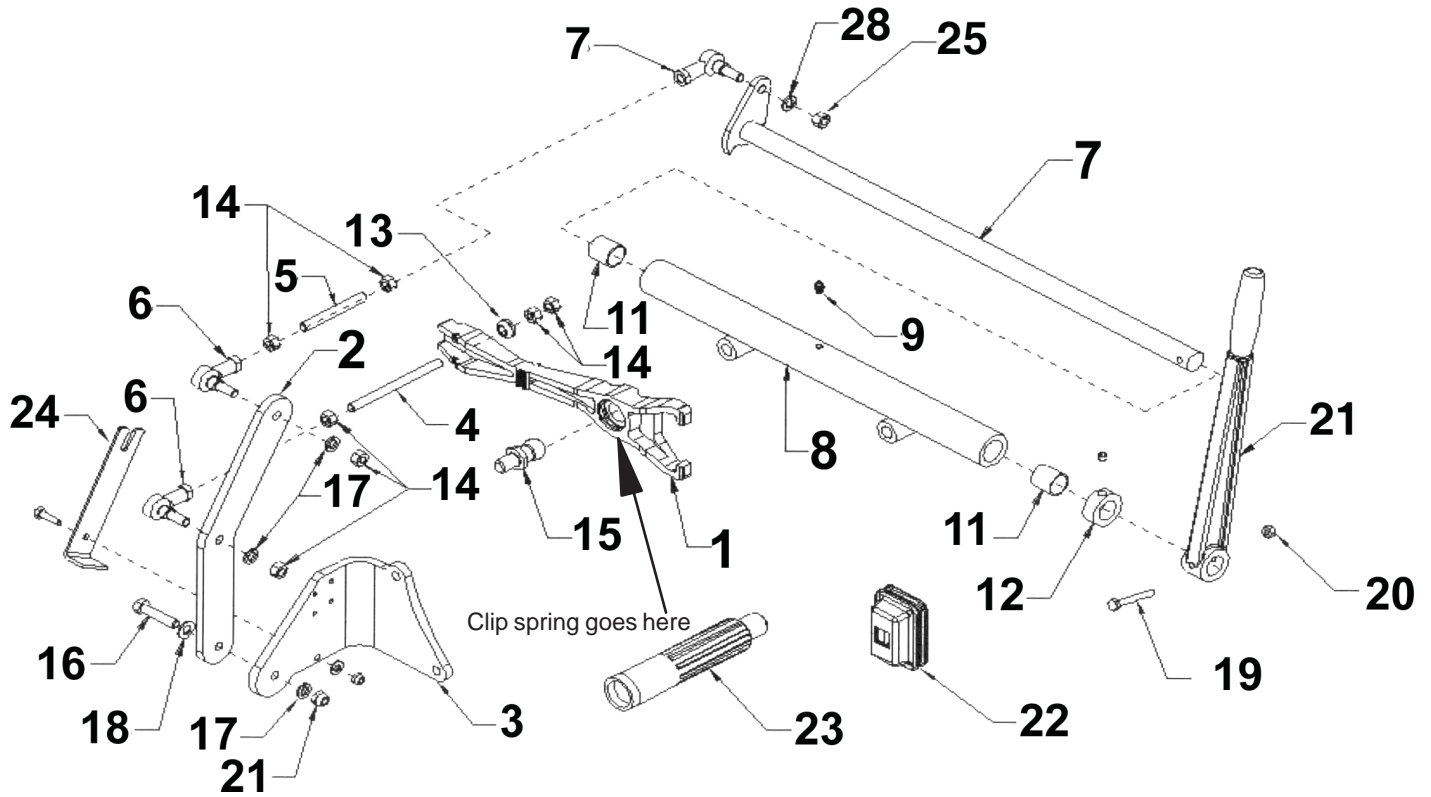


011113

The AutoHD end cap is 6-sided, the older Auto is round. They are not interchangeable! Some units in the time period above used the standard Auto PTO. Please verify.

ITEM #	PART NUMBER	DESCRIPTION
*	OD-41500252	Complete PTO Assembly (items 1 -11,13)
**	OD-48080050.8OF	**Complete PTO & Clutch Assembly
1	OD-45000212	Bolt, 5/16-18 x 1-1/4" HD model
2	OD-41500205M	Bearing Retainer Cover
3	OD-41500206	PTO Bearing, Rear
4	OD-LCT650.601K OD-LCT650.601F	Key, Stepdown--direct drive units only Key, belt drive units only
5	OD-41500203	PTO shaft
6	OD-45000105	Bolt, 9/16-12 x 1- 3/4"
7	OD-45000177	Bolt, 9/16-12 x 3"
8	OD-45000103	Lock Washer, 9/16"
9	OD-41500204	PTO Housing
10	OD-41500242	PTO Collar, 03/08 - present
11	OD-41500207	PTO Bearing, Front

AutoHD PTO Linkage Group



ITEM #	PART NO.	DESCRIPTION
1	41500251	Fork, 03/08-
NS	41500174	Clip Spring in Fork
NS	41500999	Return Spring
2	41500095	Linkage Bracket
3	41500241	Linkage Bracket
4	41500065	Linkage Rod
5	41500066	Linkage Rod
6	41500019	Linkage Rod End
7	see below	Shaft, Lever
8	41500102	Shaft Housing, AutoHD
9	41500043	Grease Zerk
10	NLA	NLA

ITEM #	PART NO.	DESCRIPTION
11	41500045	Shaft Bushing
12	41500046	Shaft Collar
13	41500030	Rocker Ball
14	45000050	Nut, 3/8 - 16
15	41500072	Pivot Ball 03/08-
16	45000177	Bolt, 3/8 - 16 x 1 3/4"
17	45000063	Lock Washer, 3/8"
18	45000064	Flat Washer, 3/8"
19	45000012	Bolt, 1/4 - 28 x 2"
20	45000015	Locknut, 1/4 - 28
21	41500044	Handle
22	41500175	Boot
23	41500164	Alignment Tool
24	41500103	Alignment Tool

Item #7

Unit
SCL800/60C

Auto HD
41500041A.HD

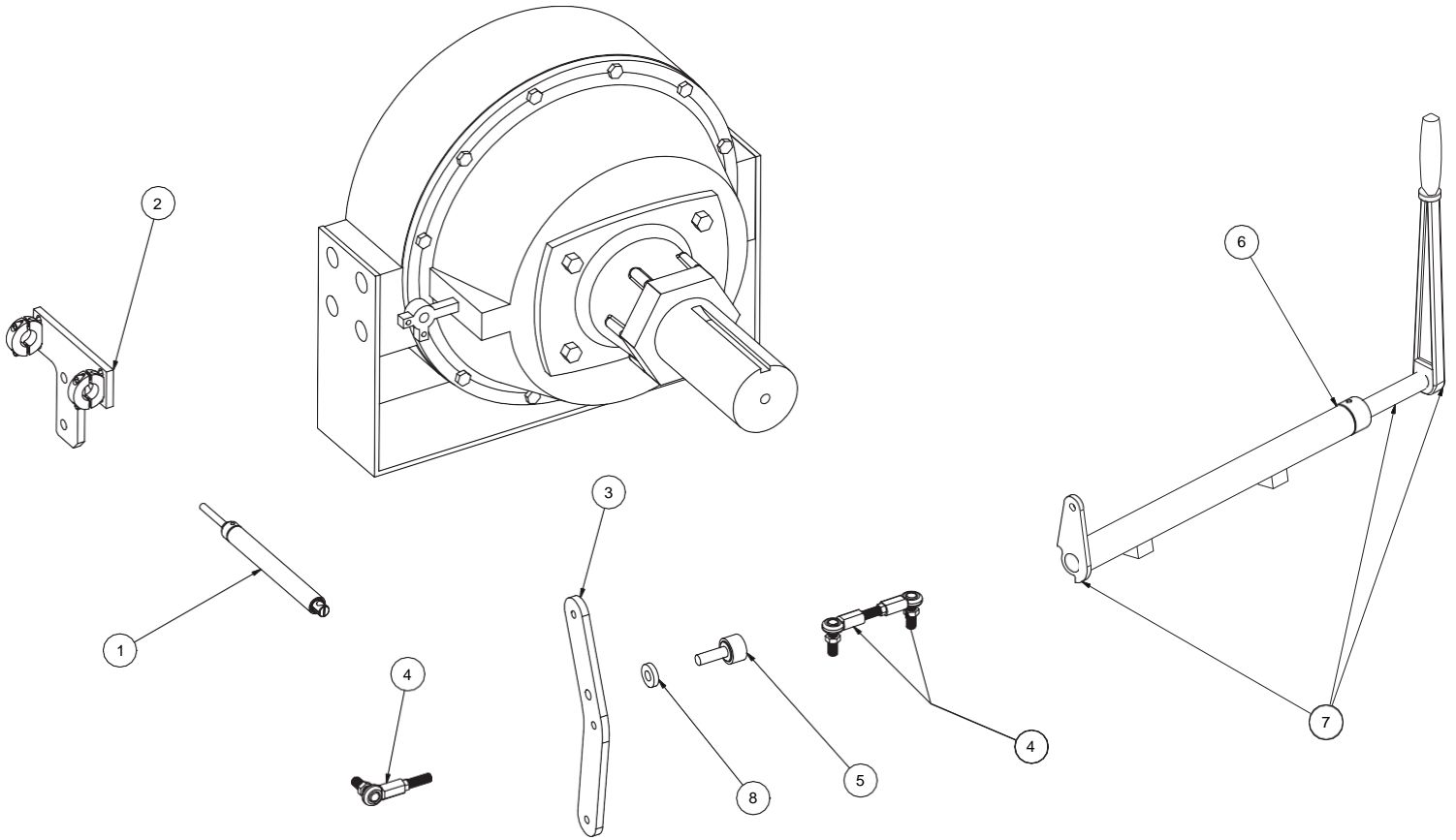
011113



800-446-9823

97

AUTOHD PTO LINKAGE GROUP



ITEM #	PART NUMBER	DESCRIPTION
1	400050.A	Clutch Cylinder
2	400054.C	Cylinder Support Bracket, JD
3	41500095	Clutch Bracket Arm, Auto HD
4	41500019	Linkage, Rod end
	41500019A	Linkage, Threaded insert
5	400050.C1	Bearing
6	41500102	Pivot Shaft Tube, Auto HD
7	41500041A.HD	Pivot Shaft,
8	400050.C2	Spacer

KRAFT FLUID DRIVE GROUP (OPTIONAL)

FLUID DRIVE COUPLER (OPTIONAL)

TRANSFLUID

trasmissioni industriali



1000B Northbrook Parkway

Suwanee, GA 30024

Ph: 770-963-6288

Fax: 770-963-9678

E-mail: transfluid@kraftpower.com

Massachusetts - New Jersey - New York - North
Carolina - Ohio - Pennsylvania

INSTALLATION AND MAINTENANCE MANUAL

THIS MANUAL CONTAINS INSTRUCTIONS FOR
INSTALLATION, START UP, FUNCTIONING, AND
MAINTENANCE KFBD POWER TAKE OFFS.

WE SUGGEST THAT ANY PERSON WHO IS
RESPONSIBLE FOR USE AND/OR MAINTENANCE
SHOULD BE PROVIDED WITH THIS MANUAL. THE
RESPECT OF RULES, CONTAINED IN THIS MANUAL IS
MANDATORY FOR WARRENTY VALIDITY.

WE REQUIRE THAT, FOR SPARE PARTS ORDERS, IT
IS IMPORTANT TO PROVIDE, BESIDES PART NUMBER
AND QUANTITY: MODEL, SPECIFICATION No AND
SERIAL No WHICH ARE STAMPED ON NAME PLATE.

Type :

Spec. nr. :

Serial nr. :

drive with us



13KFBD



800-446-9823

KRAFT FLUID DRIVE GROUP (OPTIONAL)

FLUID DRIVE COUPLER (OPTIONAL)

 <p>trasmissioni industriali</p>	 <p>13 KFBD MANUALE INSTALLAZIONE, USO E MANUTENZIONE INSTALLATION, USE AND MAINTENANCE MANUAL</p>	<p>TF 6217 Rev.0 1/3</p>				
<p>Questo manuale contiene le istruzioni per l'installazione, l'avviamento, l'uso e la manutenzione del giunto idrodinamico tipo KFBD. CONSIGLIAMO CHE I RESPONSABILI DELL'USO E DELLA MANUTENZIONE DEL KFBD, VENGANO DOTATI DEL PRESENTE MANUALE. IL NON RISPETTO DELLE REGOLE CITATE IN QUESTO MANUALE, PROVOCA IL DECADERE DELLA GARANZIA.</p> <p>Ricordiamo che, per ordinare le parti di ricambio, e' importante specificare, oltre al numero di dettaglio e quantita' richiesta, anche: TIPO - N° di SPECIFICA - N° di SERIE del KFBD, che si trovano stampigliati sulla targhetta di identificazione a bordo macchina.</p> <p><i>This manual contains instructions for installation, start up, working, and maintenance of KFBD fluid coupling.</i> WE SUGGEST THAT ANY PERSON WHO IS RESPONSIBLE FOR USE AND/OR MAINTENANCE, SHOULD BE PROVIDED WITH THIS MANUAL. THE RESPECT OF RULES, CONTAINED IN THIS MANUAL, IS MANDATORY FOR WARRANTY VALIDITY.</p> <p><i>We recall that, for spare parts order, it is important to provide, besides detail number and quantity, even:</i> TYPE - SPECIFICATION Nr. - SERIAL Nr. of KFBD that are stamped on identification metal plate.</p>						
<table border="1"> <thead> <tr> <th data-bbox="287 583 824 615">DESCRIZIONE</th> <th data-bbox="824 583 1364 615">DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td data-bbox="287 615 824 772"> Il KFBD e' un giunto idrodinamico la cui parte esterna, motrice, e' collegata al volano di un motore endotermico mediante un giunto elastico ed il cui albero di uscita e' supportato da un cuscinetto orientabile a rulli, lubrificato ad olio, alloggiati in una campana di supporto flangiata al coprivolano del motore. Un secondo cuscinetto, alloggiato nel volano, sostiene l'albero di uscita dal lato motore. Il KFBD e' adatto per applicazioni con puleggia od i linea. </td> <td data-bbox="824 615 1364 772"> KFBD is a fluid coupling having the outer driving impeller connected to the internal combustion engine flywheel through an elastic coupling. The output shaft is supported by a spherical roller bearing, oil lubricated, fitted in a cover flanged to the engine flywheel housing. Another bearing, fitted into the flywheel, supports the output shaft at the engine side. The KFBD is suitable for pulley or in line applications. </td> </tr> </tbody> </table>			DESCRIZIONE	DESCRIPTION	Il KFBD e' un giunto idrodinamico la cui parte esterna, motrice, e' collegata al volano di un motore endotermico mediante un giunto elastico ed il cui albero di uscita e' supportato da un cuscinetto orientabile a rulli, lubrificato ad olio, alloggiati in una campana di supporto flangiata al coprivolano del motore. Un secondo cuscinetto, alloggiato nel volano, sostiene l'albero di uscita dal lato motore. Il KFBD e' adatto per applicazioni con puleggia od i linea.	KFBD is a fluid coupling having the outer driving impeller connected to the internal combustion engine flywheel through an elastic coupling. The output shaft is supported by a spherical roller bearing, oil lubricated, fitted in a cover flanged to the engine flywheel housing. Another bearing, fitted into the flywheel, supports the output shaft at the engine side. The KFBD is suitable for pulley or in line applications.
DESCRIZIONE	DESCRIPTION					
Il KFBD e' un giunto idrodinamico la cui parte esterna, motrice, e' collegata al volano di un motore endotermico mediante un giunto elastico ed il cui albero di uscita e' supportato da un cuscinetto orientabile a rulli, lubrificato ad olio, alloggiati in una campana di supporto flangiata al coprivolano del motore. Un secondo cuscinetto, alloggiato nel volano, sostiene l'albero di uscita dal lato motore. Il KFBD e' adatto per applicazioni con puleggia od i linea.	KFBD is a fluid coupling having the outer driving impeller connected to the internal combustion engine flywheel through an elastic coupling. The output shaft is supported by a spherical roller bearing, oil lubricated, fitted in a cover flanged to the engine flywheel housing. Another bearing, fitted into the flywheel, supports the output shaft at the engine side. The KFBD is suitable for pulley or in line applications.					
<p>Prima di iniziare il montaggio del KFBD sul motore, e' bene verificare che il volano rientri nelle tolleranze SAE. Questo e' importante soprattutto per il buon funzionamento del giunto elastico. (Vedere foglio 2/3 Fig.1)</p> <p>Before KFBD be mounted onto the engine, it is recommended to check that flywheel be within SAE tolerances. This is very important for elastic coupling good working. (see sheet 2/3 Fig.1)</p>						
<table border="1"> <thead> <tr> <th data-bbox="287 951 824 982">INSTALLAZIONE (vedere foglio 2/3)</th> <th data-bbox="824 951 1364 982">INSTALLATION (see sheet 2/3)</th> </tr> </thead> <tbody> <tr> <td data-bbox="287 982 824 1749"> <ol style="list-style-type: none"> Montare l'anello di trascinamento del giunto elastico sul volano del motore. Montare il cuscinetto pilota, ingrassato a vita, sull'albero del KFBD. Montare la flangia SAE 3 sul coprivolano. Posizionare il gruppo completo, osservando con cura l'allineamento dell'albero nel cuscinetto pilota e dei blocchetti del giunto elastico con l'anello di trascinamento montato sul volano. La campana esterna deve essere orientata in modo da avere l'apertura per il riempimento dell'olio a circa 60° dalla verticale, in senso orario guardando il volano del motore. Cosi' montato, si avra' l'apertura di drenaggio dell'olio in basso. Infine fissare il gruppo con le apposite viti sulla flangia esterna. Riempimento olio giunto (vedere tabella olii consigliati). Togliere il coperchio che protegge il tappo di carico. Ruotare il giunto sino a portare il tappo in corrispondenza del segno di riferimento X sulla verticale (X-1-2-3-4 dipende dall'applicazione). Togliere il tappo e riempire fino allo sbocco dal foro (13KFBD X=5,2 lt.), quindi chiudere utilizzando del sigillante sul filetto. La coppia di serraggio e' 30 Nm per tappo 3/8". Rimontare il coperchio di protezione. Riempimento grasso (vedere tabella grassi consigliati). Mediante l'apposito ingrassatore,, riempire la camera di lavoro del cuscinetto fino a far fuoriuscire il grasso attorno all'albero Dare alcuni colpi, con un martello non metallico, sull'estremita' dell'albero onde eliminare ogni eventuale tensione sui cuscinetti dovuta alla resistenza offerta dal cuscinetto pilota, quando esso viene montato forzato nella sede del volano. Al primo avviamento, far girare il gruppo innestato, per almeno 10 minuti, con il motore alla meta' dei giri massimi. </td> <td data-bbox="824 982 1364 1749"> <ol style="list-style-type: none"> Mount elastic coupling driving ring, onto engine flywheel. Mount pilot bearing, greased for life, onto KFBD shaft. Mount SAE 3 flange onto flywheel housing. Install complete group paying attention at alignment between shaft and pilot bearing as well as alignment between rubber blocks and driving ring. External housing must be orientated to get the oil fill opening at about 60° clockwise from vertical line, looking at the flywheel. In such a way, the oil drain opening will be downwards. Therefore tighten screws of external flange. Fluid coupling oil filling (see recommended oil table). Remove cover. Turn fluid coupling until X mark be on vertical line (X-1-2-3-4 depends on application). Remove plug and fill until oil overflows (13KFBD fill X=5,2 lt.). Therefore fit the plug using sealant on thread. Tightening torque is 30 Nm for 3/8" plug. Fit again the cover. Grease filling (see recommended grease table). Through the grease filler, fill grease until it comes out around the shaft. Rap the shaft on the end to relieve any preloading that may result due to the resistance of pilot bearing when being pressed into the flywheel. At first start up, run the unit engaged and engine at half of max speed for not less than 10 minutes. </td> </tr> </tbody> </table>			INSTALLAZIONE (vedere foglio 2/3)	INSTALLATION (see sheet 2/3)	<ol style="list-style-type: none"> Montare l'anello di trascinamento del giunto elastico sul volano del motore. Montare il cuscinetto pilota, ingrassato a vita, sull'albero del KFBD. Montare la flangia SAE 3 sul coprivolano. Posizionare il gruppo completo, osservando con cura l'allineamento dell'albero nel cuscinetto pilota e dei blocchetti del giunto elastico con l'anello di trascinamento montato sul volano. La campana esterna deve essere orientata in modo da avere l'apertura per il riempimento dell'olio a circa 60° dalla verticale, in senso orario guardando il volano del motore. Cosi' montato, si avra' l'apertura di drenaggio dell'olio in basso. Infine fissare il gruppo con le apposite viti sulla flangia esterna. Riempimento olio giunto (vedere tabella olii consigliati). Togliere il coperchio che protegge il tappo di carico. Ruotare il giunto sino a portare il tappo in corrispondenza del segno di riferimento X sulla verticale (X-1-2-3-4 dipende dall'applicazione). Togliere il tappo e riempire fino allo sbocco dal foro (13KFBD X=5,2 lt.), quindi chiudere utilizzando del sigillante sul filetto. La coppia di serraggio e' 30 Nm per tappo 3/8". Rimontare il coperchio di protezione. Riempimento grasso (vedere tabella grassi consigliati). Mediante l'apposito ingrassatore,, riempire la camera di lavoro del cuscinetto fino a far fuoriuscire il grasso attorno all'albero Dare alcuni colpi, con un martello non metallico, sull'estremita' dell'albero onde eliminare ogni eventuale tensione sui cuscinetti dovuta alla resistenza offerta dal cuscinetto pilota, quando esso viene montato forzato nella sede del volano. Al primo avviamento, far girare il gruppo innestato, per almeno 10 minuti, con il motore alla meta' dei giri massimi. 	<ol style="list-style-type: none"> Mount elastic coupling driving ring, onto engine flywheel. Mount pilot bearing, greased for life, onto KFBD shaft. Mount SAE 3 flange onto flywheel housing. Install complete group paying attention at alignment between shaft and pilot bearing as well as alignment between rubber blocks and driving ring. External housing must be orientated to get the oil fill opening at about 60° clockwise from vertical line, looking at the flywheel. In such a way, the oil drain opening will be downwards. Therefore tighten screws of external flange. Fluid coupling oil filling (see recommended oil table). Remove cover. Turn fluid coupling until X mark be on vertical line (X-1-2-3-4 depends on application). Remove plug and fill until oil overflows (13KFBD fill X=5,2 lt.). Therefore fit the plug using sealant on thread. Tightening torque is 30 Nm for 3/8" plug. Fit again the cover. Grease filling (see recommended grease table). Through the grease filler, fill grease until it comes out around the shaft. Rap the shaft on the end to relieve any preloading that may result due to the resistance of pilot bearing when being pressed into the flywheel. At first start up, run the unit engaged and engine at half of max speed for not less than 10 minutes.
INSTALLAZIONE (vedere foglio 2/3)	INSTALLATION (see sheet 2/3)					
<ol style="list-style-type: none"> Montare l'anello di trascinamento del giunto elastico sul volano del motore. Montare il cuscinetto pilota, ingrassato a vita, sull'albero del KFBD. Montare la flangia SAE 3 sul coprivolano. Posizionare il gruppo completo, osservando con cura l'allineamento dell'albero nel cuscinetto pilota e dei blocchetti del giunto elastico con l'anello di trascinamento montato sul volano. La campana esterna deve essere orientata in modo da avere l'apertura per il riempimento dell'olio a circa 60° dalla verticale, in senso orario guardando il volano del motore. Cosi' montato, si avra' l'apertura di drenaggio dell'olio in basso. Infine fissare il gruppo con le apposite viti sulla flangia esterna. Riempimento olio giunto (vedere tabella olii consigliati). Togliere il coperchio che protegge il tappo di carico. Ruotare il giunto sino a portare il tappo in corrispondenza del segno di riferimento X sulla verticale (X-1-2-3-4 dipende dall'applicazione). Togliere il tappo e riempire fino allo sbocco dal foro (13KFBD X=5,2 lt.), quindi chiudere utilizzando del sigillante sul filetto. La coppia di serraggio e' 30 Nm per tappo 3/8". Rimontare il coperchio di protezione. Riempimento grasso (vedere tabella grassi consigliati). Mediante l'apposito ingrassatore,, riempire la camera di lavoro del cuscinetto fino a far fuoriuscire il grasso attorno all'albero Dare alcuni colpi, con un martello non metallico, sull'estremita' dell'albero onde eliminare ogni eventuale tensione sui cuscinetti dovuta alla resistenza offerta dal cuscinetto pilota, quando esso viene montato forzato nella sede del volano. Al primo avviamento, far girare il gruppo innestato, per almeno 10 minuti, con il motore alla meta' dei giri massimi. 	<ol style="list-style-type: none"> Mount elastic coupling driving ring, onto engine flywheel. Mount pilot bearing, greased for life, onto KFBD shaft. Mount SAE 3 flange onto flywheel housing. Install complete group paying attention at alignment between shaft and pilot bearing as well as alignment between rubber blocks and driving ring. External housing must be orientated to get the oil fill opening at about 60° clockwise from vertical line, looking at the flywheel. In such a way, the oil drain opening will be downwards. Therefore tighten screws of external flange. Fluid coupling oil filling (see recommended oil table). Remove cover. Turn fluid coupling until X mark be on vertical line (X-1-2-3-4 depends on application). Remove plug and fill until oil overflows (13KFBD fill X=5,2 lt.). Therefore fit the plug using sealant on thread. Tightening torque is 30 Nm for 3/8" plug. Fit again the cover. Grease filling (see recommended grease table). Through the grease filler, fill grease until it comes out around the shaft. Rap the shaft on the end to relieve any preloading that may result due to the resistance of pilot bearing when being pressed into the flywheel. At first start up, run the unit engaged and engine at half of max speed for not less than 10 minutes. 					
tf6217-1 06/04/01	TRANSFLUID S.r.l. via V.Monti 19-20016 Pero (MI) Italy tel.0039-02-339315.1 - fax.0039-02-33910699 - www.transfluid.it - e-mail:info@transfluid.it					

KRAFT FLUID DRIVE COMMON PARTS (OPTIONAL)



ITEM #	PART NUMBER	DESCRIPTION
1	UU-TFP7018CC	390 Degree Fuse Plug, 5/8"
2	UU-TFP2292	Seal Kit
3	UU-8202AD	Roller Bearing
4	UU-TFP103602X	Shaft
5	UU-8002DX	Bearing, small
6	UU-8002AS	Ball Bearing
7	UU-KPC2.01.5	Fluid, 1-1/2 gallon



8-0

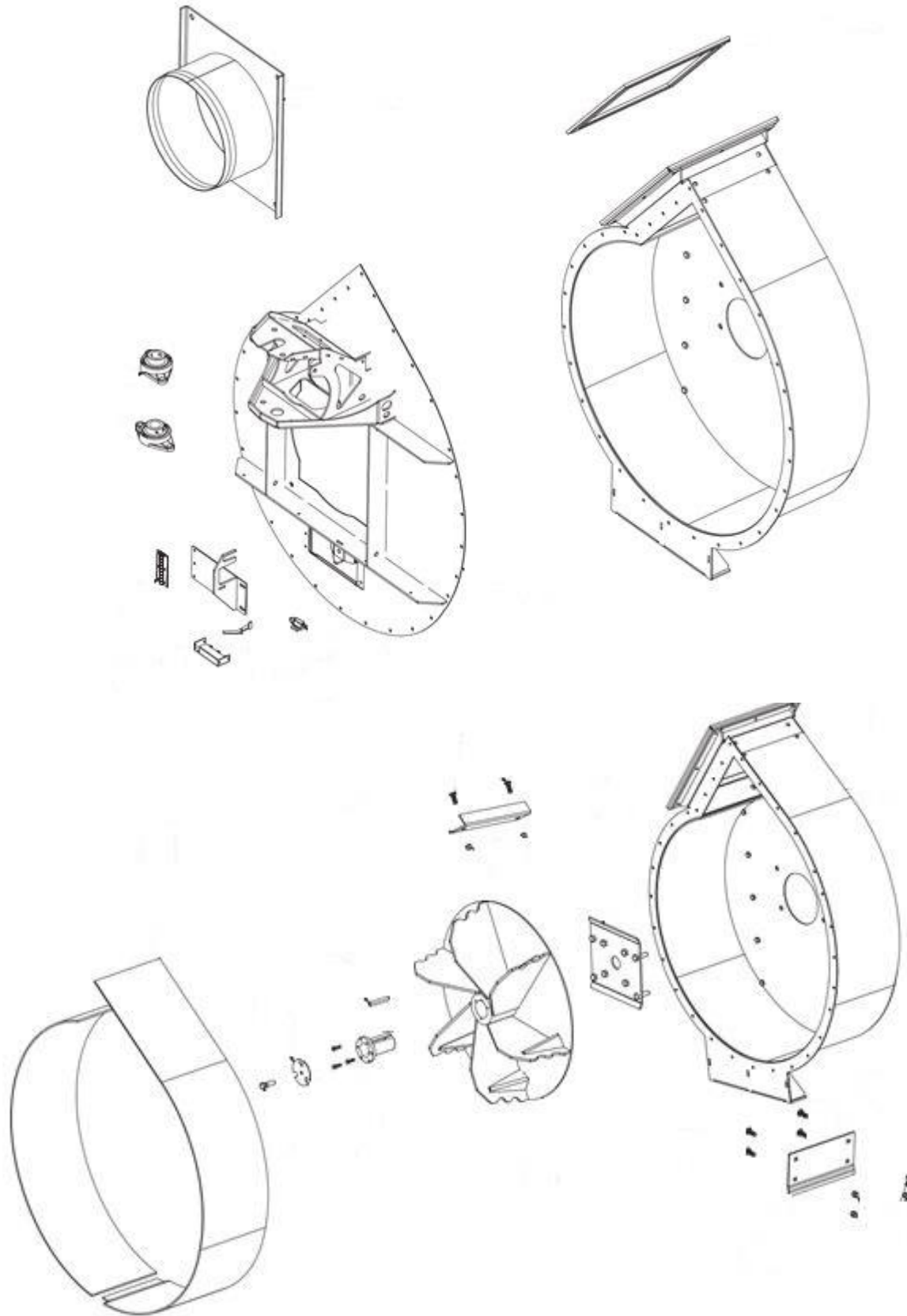
8.0 SKID GROUP

8.0 SKID GROUP

<u>Blower Housing Group.....</u>	<u>101</u>
<u>Skid Base Group.....</u>	<u>106</u>
<u>Pedestal Group.....</u>	<u>110</u>
<u>Hydraulic Group.....</u>	<u>113</u>

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823

BLOWER HOUSING GROUP



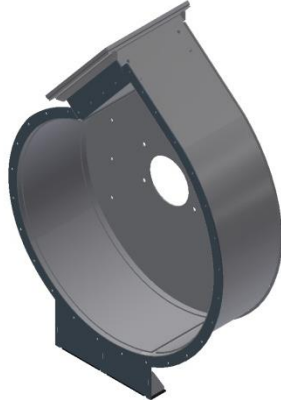
BLOWER HOUSING GROUP

PART NUMBER:

8003040

DESCRIPTION:

30IN BLOWER
HOUSING 40DEG

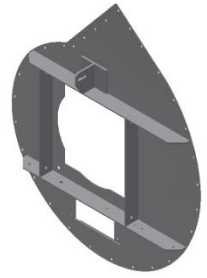


PART NUMBER:

8003042

DESCRIPTION:

MULTI-AXIS
BLOWER HOUSING
FACE



PART NUMBER:

LCT62060230

DESCRIPTION:

30IN LINER SET

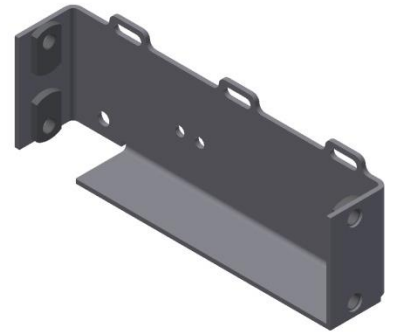


PART NUMBER:

STD4000

DESCRIPTION:

LIMIT SWITCH BOX



PART NUMBER:

STD4001

DESCRIPTION:

LIMIT SWITCH
ACTUATOR



PART NUMBER:

651051

DESCRIPTION:

LIMIT SWITCH

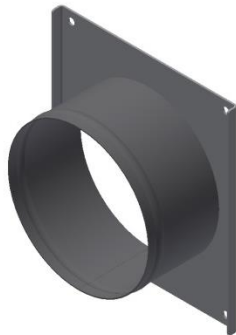


PART NUMBER:

SCL875002

DESCRIPTION:

INTAKE FLANGE



PART NUMBER:

SCL821817BD

DESCRIPTION:

EXHAUST DUCT
GASKET



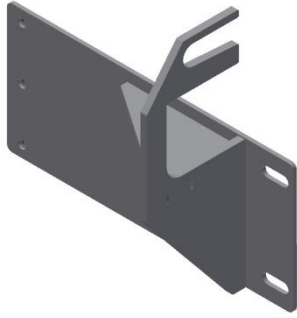
BLOWER HOUSING GROUP

PART NUMBER:

SCL621602

DESCRIPTION:

INSPECTION DOOR

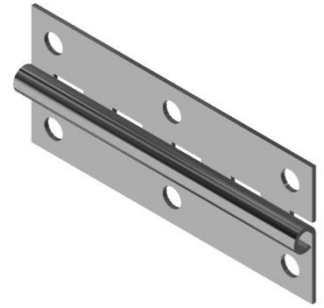


PART NUMBER:

LCT621603

DESCRIPTION:

INSPECTION DOOR
HINGE
(DETAILS ON PAGE
100)

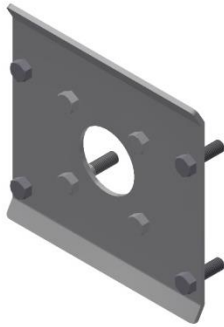


PART NUMBER:

LCT600602

DESCRIPTION:

BEARING PLATE

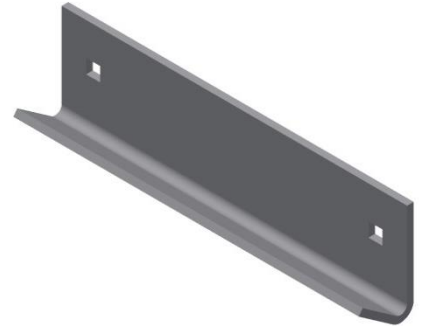


PART NUMBER:

LCT620602A

DESCRIPTION:

LINER BOLT-IN
WRAP ARND

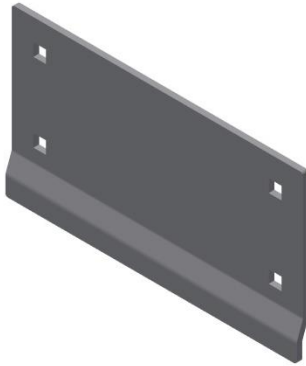


PART NUMBER:

LCT620604

DESCRIPTION:

LINER BOLT-ON
UP TOP



PART NUMBER:

LCT650601

DESCRIPTION:

IMPELLER BUSHING

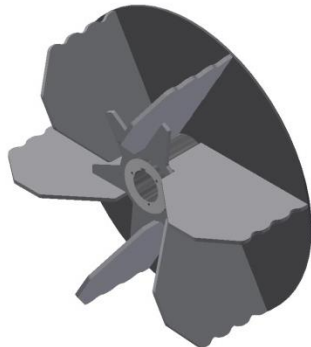


PART NUMBER:

1070XZ

DESCRIPTION:

IMPELLER 28IN



PART NUMBER:

LCT600615

DESCRIPTION:

SHAFT PROTECTOR



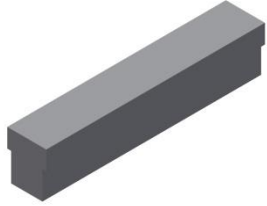
BLOWER HOUSING GROUP

PART NUMBER:

LCT650601K

DESCRIPTION:

IMPELLER KEY



PART NUMBER:

LCT621603

DESCRIPTION:

LINER BOLT
1/2-13X1.25IN FLAT
HEAD

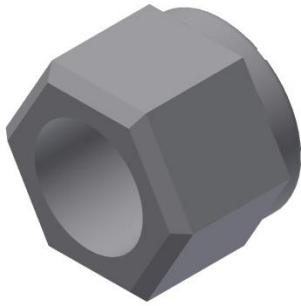


PART NUMBER:

LCT620603N

DESCRIPTION:

LINER NUT
1/2-13 ESN

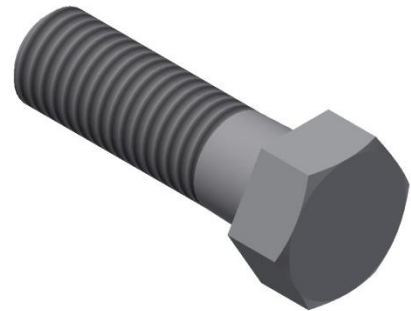


PART NUMBER:

5CZ500750

DESCRIPTION:

IMPELLER BOLT
5/8-11 UNC 2IN

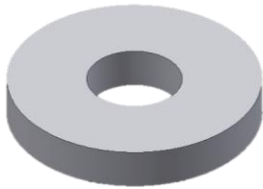


PART NUMBER:

90295A450

DESCRIPTION:

1/4 IN PLASTIC
WASHER
INSTRUME



PART NUMBER:

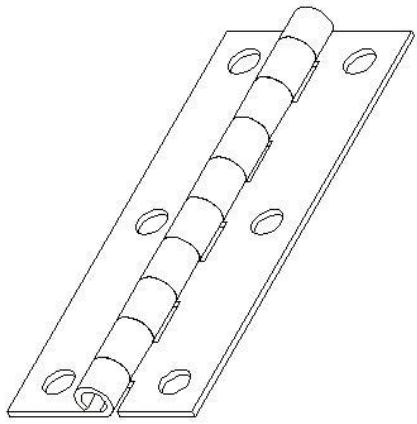
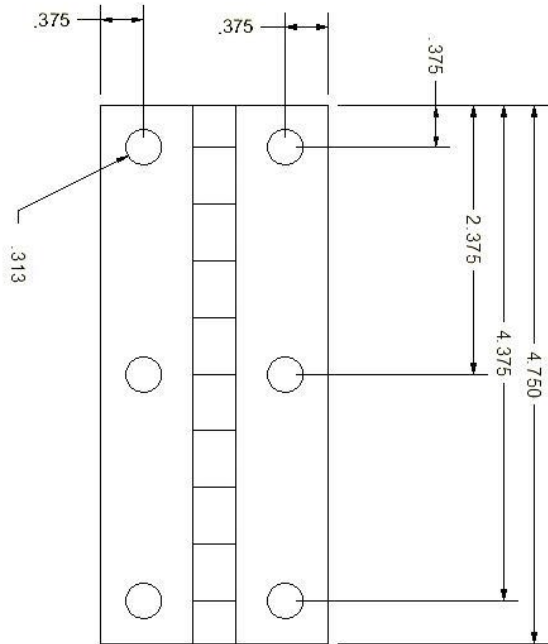
DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

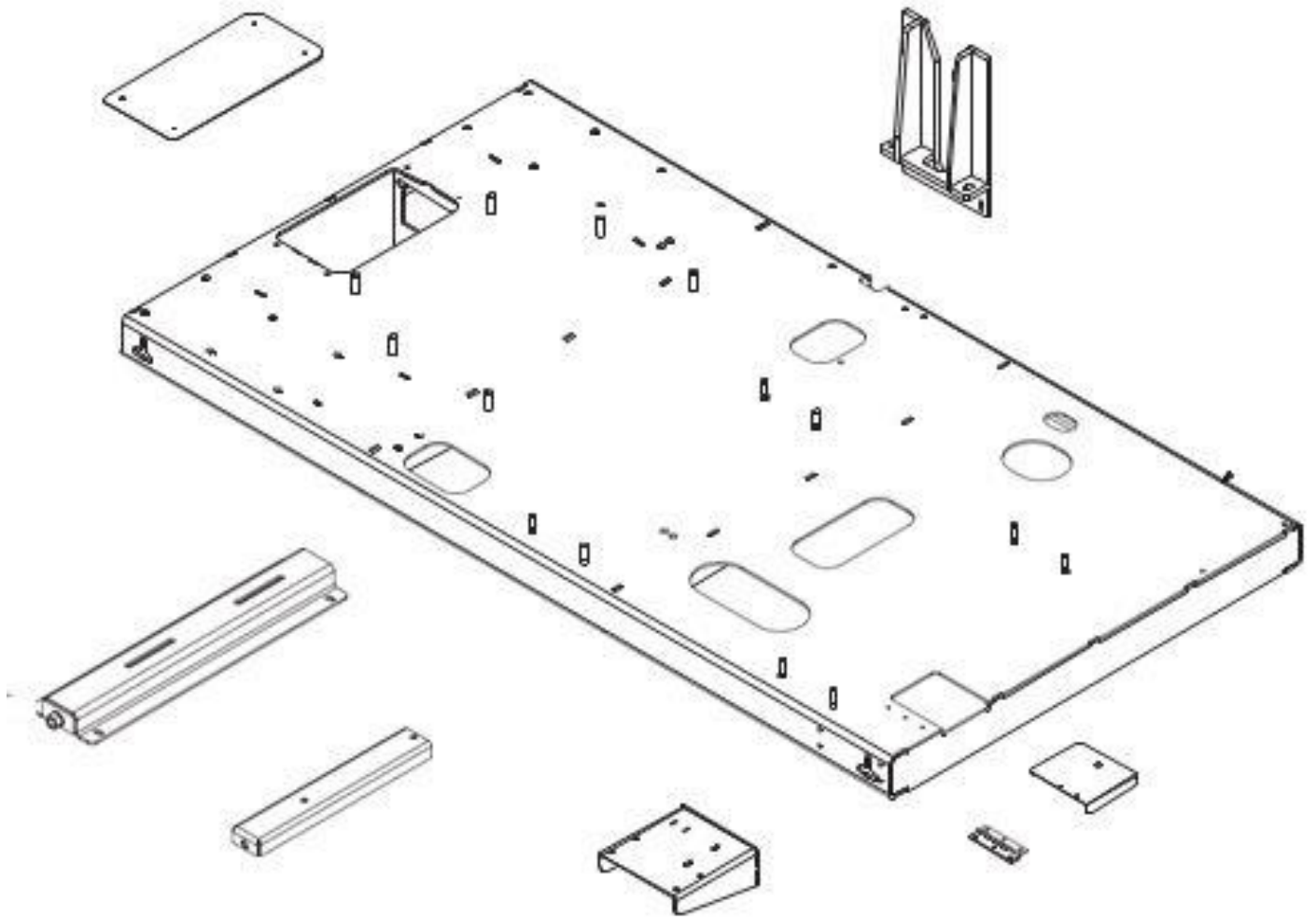
DESCRIPTION:



REVISION		DATE	
1	2/17/2023		
2			
3			
4			

OLD DOMINION BRUSH CO.
 FILE: LGTR443 INSPECTION DOOR HINGE COMPLETE
 PROJECT: INSPECTION DOOR HINGE
 PART NAME: HINGE
 PART NO.: 1000000000

SKID BASE GROUP



SKID BASE GROUP

PART NUMBER:

201XZ



DESCRIPTION:

SKID BASE

PART NUMBER:

271XZ

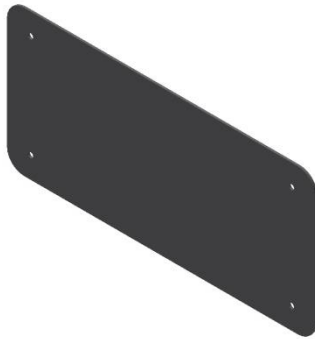


DESCRIPTION:

BED GUIDE

PART NUMBER:

275XZ

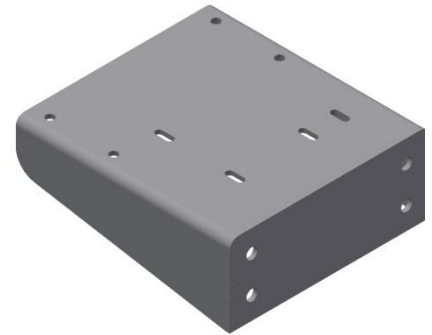


DESCRIPTION:

BATTERY BOX LID

PART NUMBER:

5502011



DESCRIPTION:

HAND VALVE
BRACKET

PART NUMBER:

333XZ

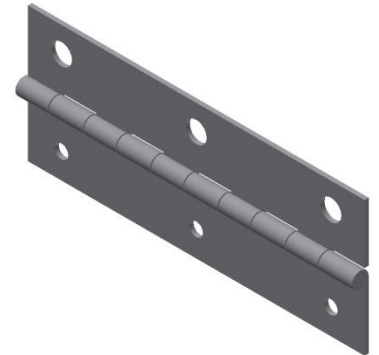


DESCRIPTION:

FUEL DOOR

PART NUMBER:

334XZ

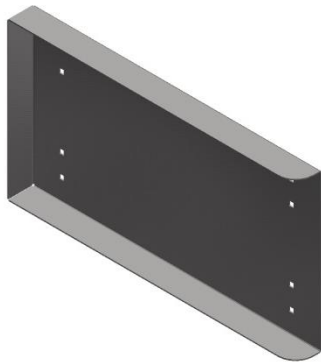


DESCRIPTION:

FUEL DOOR HINGE
(DETAILS ON PAGE
103)

PART NUMBER:

566XZ

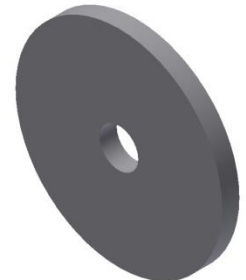


DESCRIPTION:

CAT WALK

PART NUMBER:

567XZ



DESCRIPTION:

CAT WALK HOLD
DOWN

SKID BASE GROUP

PART NUMBER:

803XZ

DESCRIPTION:
GREASE HOSE



PART NUMBER:

4501411

DESCRIPTION:
1/8IN X 1/8IN
GREASE SWIVEL
FITTING



PART NUMBER:

200010

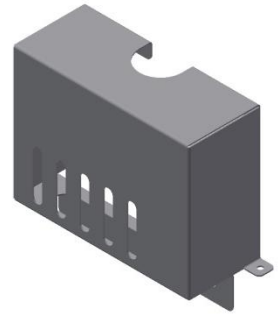
DESCRIPTION:
QUICK LINK 5/16IN



PART NUMBER:

339XZ

DESCRIPTION:
VALVE BODY
COVER



PART NUMBER:

613XZ

DESCRIPTION:
COMPLETE RESERVOIR
ASSEMBLY



PART NUMBER:

2560DX

DESCRIPTION:
.375IN GROMMET



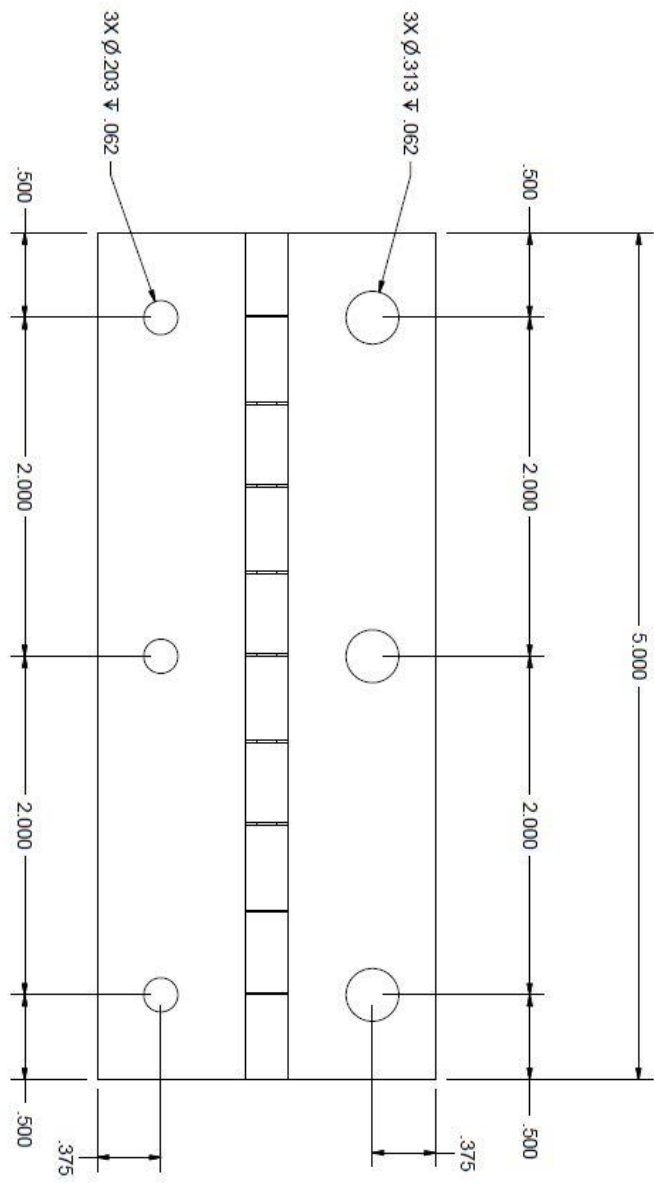
PART NUMBER:


DESCRIPTION:

PART NUMBER:

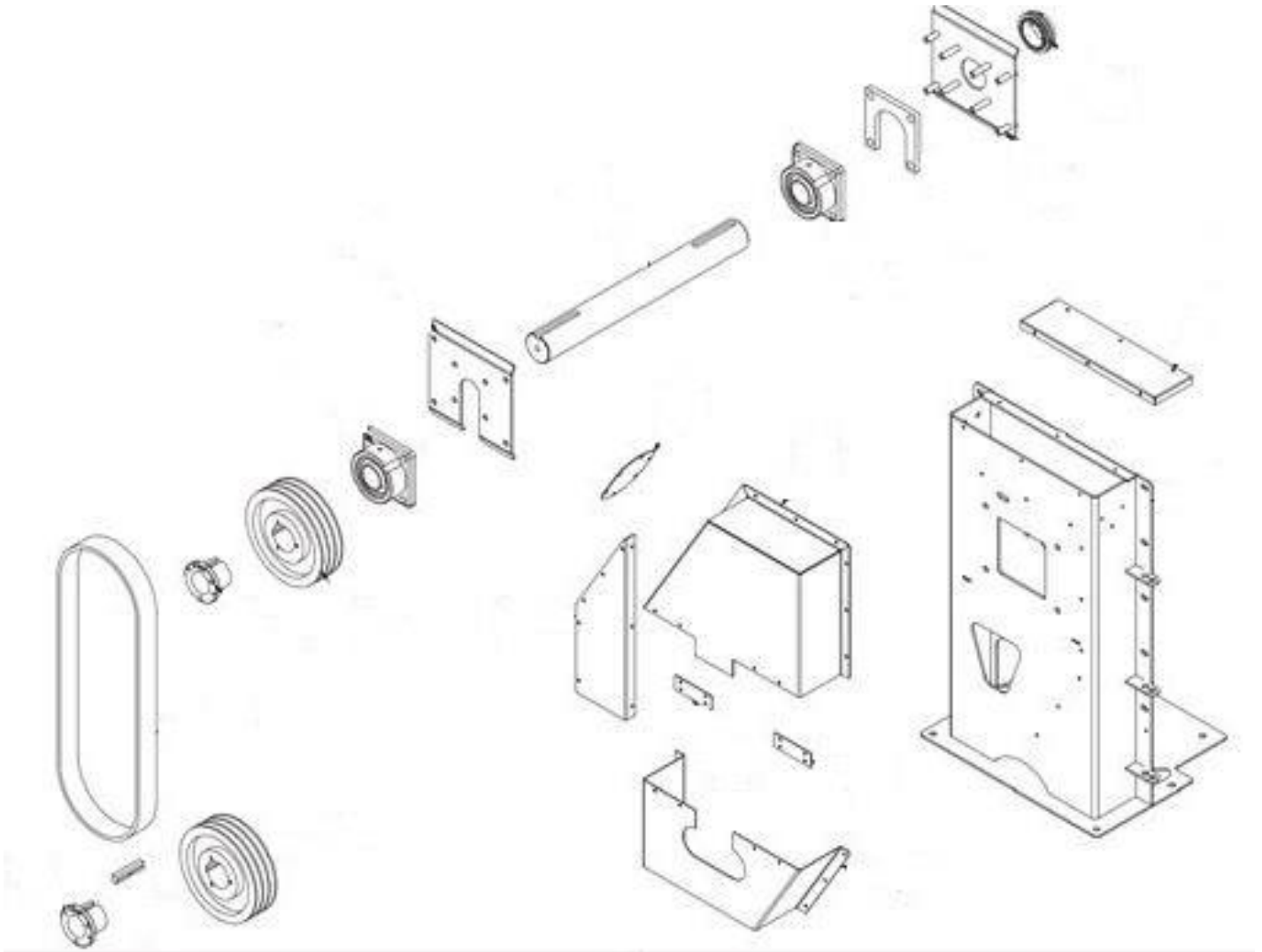
DESCRIPTION:

2" x .062 x 5" Long SS Hinge



REVISED		THICKNESS	
REV	REVISION	ENGR	DATE
1			
2			
3			
 OLD DOMINION BRUSH CO.			
CUST. NAME:		FUEL DOOR HINGE LHM	
FILE:		DECLHM	
PROJECT:		Fuel Door Hinge	
PART NAME:		334VZ	
PART NO.:			

PEDISTAL GROUP



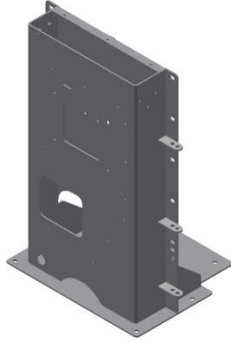
PEDISTAL GROUP

PART NUMBER:

200XZ

DESCRIPTION:

PEDESTAL

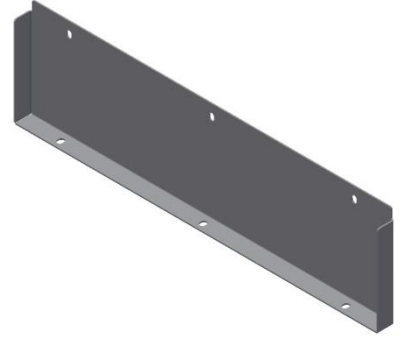


PART NUMBER:

274XZ

DESCRIPTION:

PEDISTAL LID

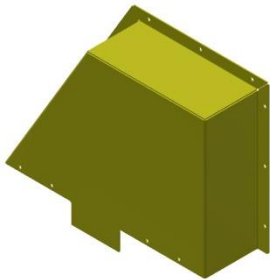


PART NUMBER:

257XZ

DESCRIPTION:

BELT GUARD TOP

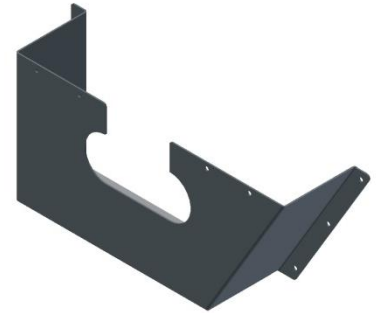


PART NUMBER:

258XZ

DESCRIPTION:

BELT GUARD
BOTTOM

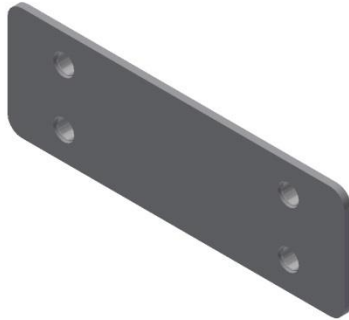


PART NUMBER:

260XZ

DESCRIPTION:

BELT GUARD NUT



PART NUMBER:

259XZ

DESCRIPTION:

BELT GUARD BACK
PLATE

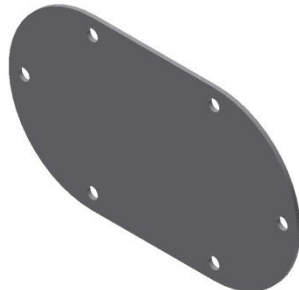


PART NUMBER:

281XZ

DESCRIPTION:

BELT GUARD
INSPECTION

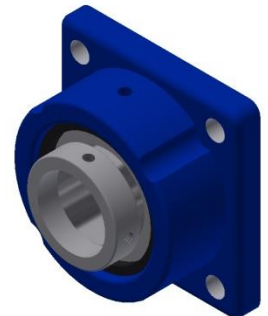


PART NUMBER:

LCT650602A

DESCRIPTION:

4 BOLT BEARING



PEDISTAL GROUP

PART NUMBER:

LCT650602D

DESCRIPTION:

BEARING SPACER
PLATE



PART NUMBER:

368XZ

DESCRIPTION:

IMPELLER SHAFT



PART NUMBER:

272XZ

DESCRIPTION:

OUTER BEARING
PLATE



PART NUMBER:

4501402

DESCRIPTION:

PULLEY



PART NUMBER:

LCT650604A

DESCRIPTION:

TAPER BUSHING

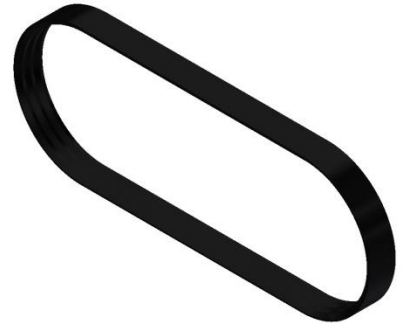


PART NUMBER:

580XZ

DESCRIPTION:

POWER BAND BELT



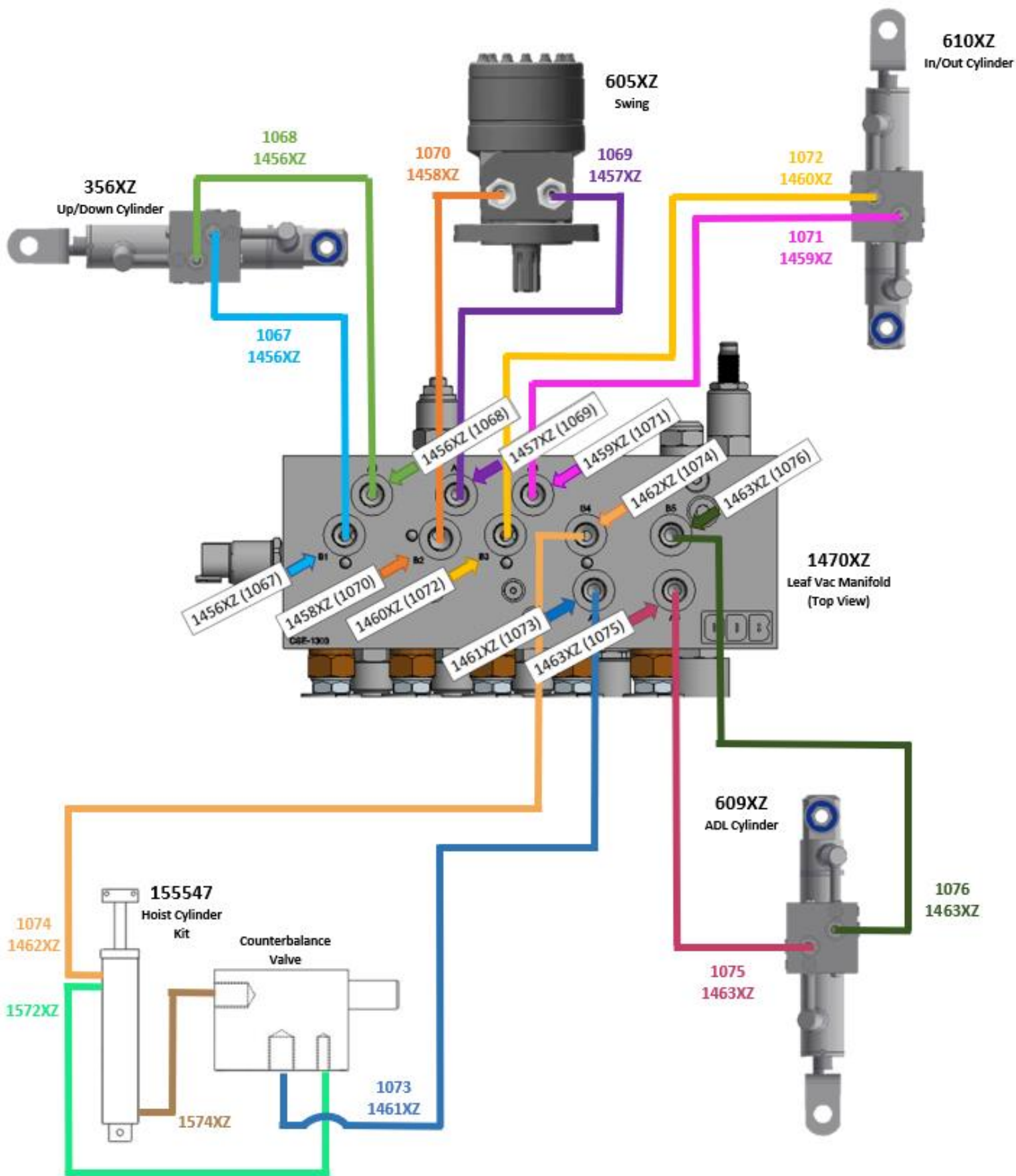
PART NUMBER:

DESCRIPTION:

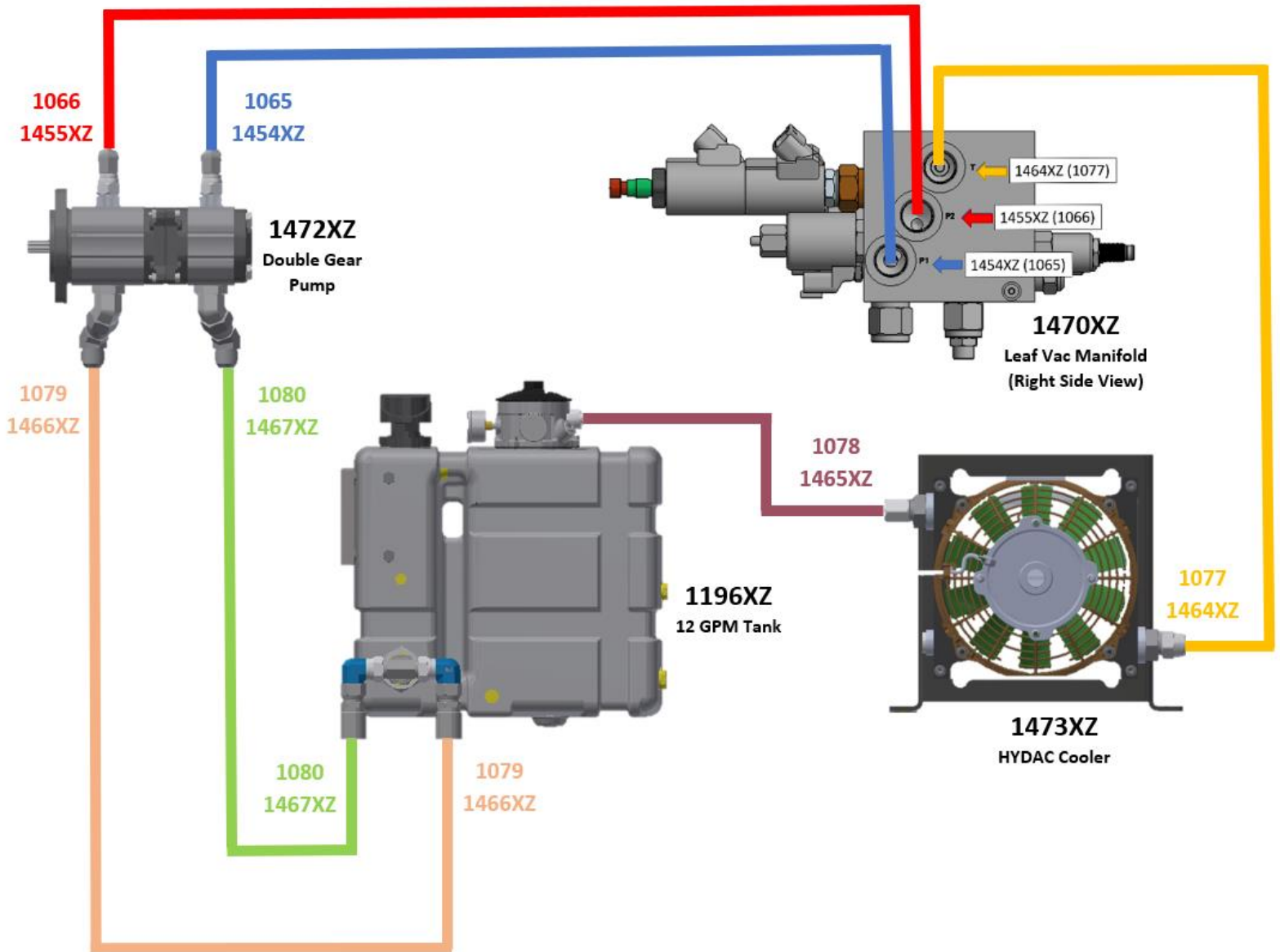
PART NUMBER:

DESCRIPTION:

HYDRAULIC GROUP

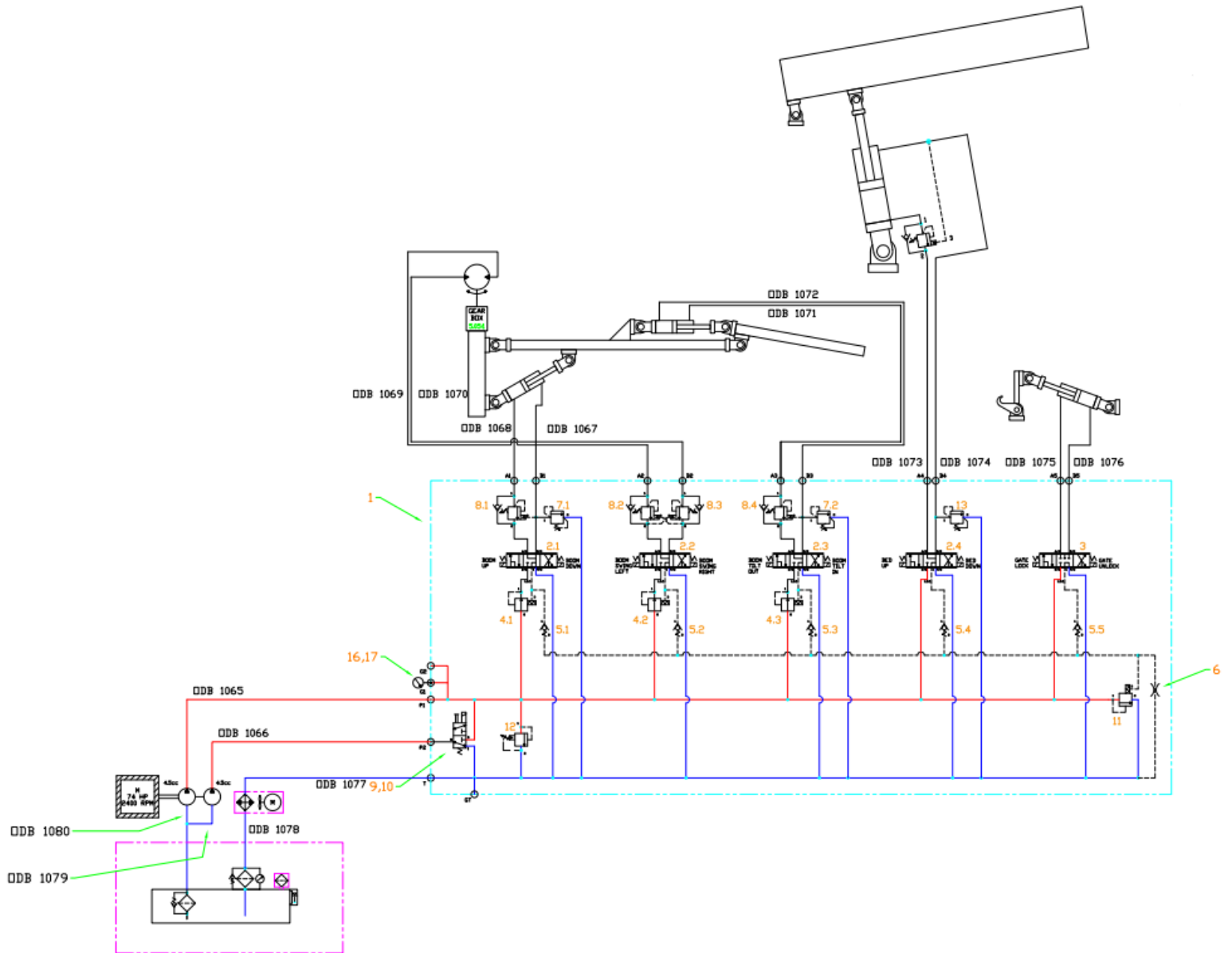


HYDRAULIC GROUP



WALVOIL SECTION CONTROL VALVE
(690XZ)

HYDRAULIC GROUP



ITEM	QTY.	DESCRIPTION	CAVITY	PILOT RATIO	PRESSURE PRESET	ADJUSTMENT TYPE
1	1	M112284, MANIFOLD, CROSS CD.	-			
2	4	PDFL-10-N-4M-0-M-0-12DD, PROP. VALVE, BUCHER	C-10-5S			
3	1	PDFL-10-N-4L-0-M-0-12DD, PROP. VALVE, BUCHER	C-10-5S			
4	3	LCEF-08-N-F-F-0-070, LOGIC ELEMENT, BUCHER	C0825			
5	5	CVFB-04-N-0-005, CHECK, BUCHER	C0420			
6	1	635151, (GREEN) 1/4"-28 S.S. W/.030" DRIF., EATON	1/4-28			
7	2	RVDI-08-N-S-0-15/7.25, 725PSI REL., BUCHER	C-8-2			
8	4	1CE30F35S5, COUNTERBALANCE, EATON	A6610			
9	1	SV4-10-3M-0-00-00, SOL. VALVE, EATON	C-10-3			
10	1	300AA00101A, COIL, EATON	-			
11	1	DPS2-10-P-F-0-160, LOGIC ELEMENT, EATON	C-10-3S			
12	1	RV5-10-S-0-35/28, RELIEF, EATON	C-10-2			
13	1	RVDI-08-N-S-0-15/2, 200PSI REL., BUCHER	C-8-2			
14	1	924679, TEMP SENSOR, HYDAC	-			
15	1	927132, PRESSURE SENSOR, HYDAC	-			
16	1	6405-06-02-0, FITTING, BRENNAN	-			
17	1	CF4P-350D, GAUGE, DYNAMIC FC	-			

HYDRAULIC GROUP

PART NUMBER:

1454XZ

1065

DESCRIPTION:

HYD,HOSE,FRONT
PUMP OUTLET



PART NUMBER:

1455XZ

1066

DESCRIPTION:

HYD,HOSE,REAR
PUMP OUTLET



PART NUMBER:

1456XZ

1067 & 1068

DESCRIPTION:

HYD,HOSE,
UP OR DOWN



PART NUMBER:

1457XZ

1069

DESCRIPTION:

HYD,HOSE,INSIDE
MOTOR PORT



PART NUMBER:

1458XZ

1070

DESCRIPTION:

HYD,HOSE,OUTSIDE
MOTOR PORT



PART NUMBER:

1459XZ

1071

DESCRIPTION:

HYD,HOSE,RETRACT
IN OUT CYL



PART NUMBER:

1460XZ

1072

DESCRIPTION:

HYD,HOSE,EXTEND
IN OUT CYL



PART NUMBER:

1461XZ

1073

DESCRIPTION:

HYD,HOSE,
HOIST CYL CBV



HYDRAULIC GROUP

PART NUMBER:

1462XZ

1074

DESCRIPTION:

HYD,HOSE,RETRACT
HOIST CYL



PART NUMBER:

1463XZ

1075 & 1076

DESCRIPTION:

HYD,HOSE,
GATE CYL



PART NUMBER:

1464XZ

1077

DESCRIPTION:

HYD,HOSE,
COOLER INLET



PART NUMBER:

1465XZ

1078

DESCRIPTION:

HYD,HOSE,COOLER
OUTLET



PART NUMBER:

1466XZ

1079

DESCRIPTION:

HYD,HOSE,REAR
PUMP SUCTION



PART NUMBER:

1467XZ

1080

DESCRIPTION:

HYD,HOSE,FRONT
PUMP SUCTION



PART NUMBER:

1468XZ

DESCRIPTION:

HYD,HOSE,
FITTING KIT

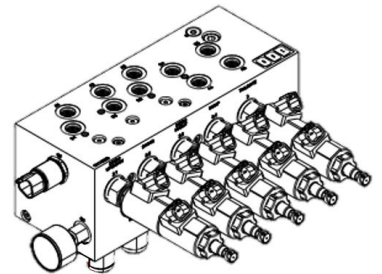


PART NUMBER:

1470XZ

DESCRIPTION:

HYD,LEAF VAC
MANIFOLD



HYDRAULIC GROUP

PART NUMBER:

1471XZ

DESCRIPTION:

HYD,VERTICAL
OVERHEAD STRAP



PART NUMBER:

1472XZ

DESCRIPTION:

HYD,MARZOCCHI
DOUBLE PUMP



PART NUMBER:

1473XZ

DESCRIPTION:

HYD,HYDAC
COOLER

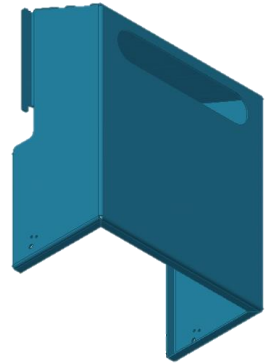


PART NUMBER:

1738XZ

DESCRIPTION:

BRACKET, HYD
MANIFOLD COVER



PART NUMBER:

1740XZ

DESCRIPTION:

BRACKET, PWR
DISTR MANIFOLD



PART NUMBER:

1748XZ

DESCRIPTION:

BRACKET, HYD
COOLER



PART NUMBER:

1196XZ

DESCRIPTION:

HYD,TANK,12GPM



PART NUMBER:

200007C

DESCRIPTION:

HYD OIL, CASTROL
5-20 2&3AXIS



HYDRAULIC GROUP

PART NUMBER:

1751XZ



DESCRIPTION:

WEATHER,
RESISTANT,DRAW,
LATCH

PART NUMBER:

HOSE1025



DESCRIPTION:

LINE CLAMP STACK
BOLT. PARKER

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:



10-0

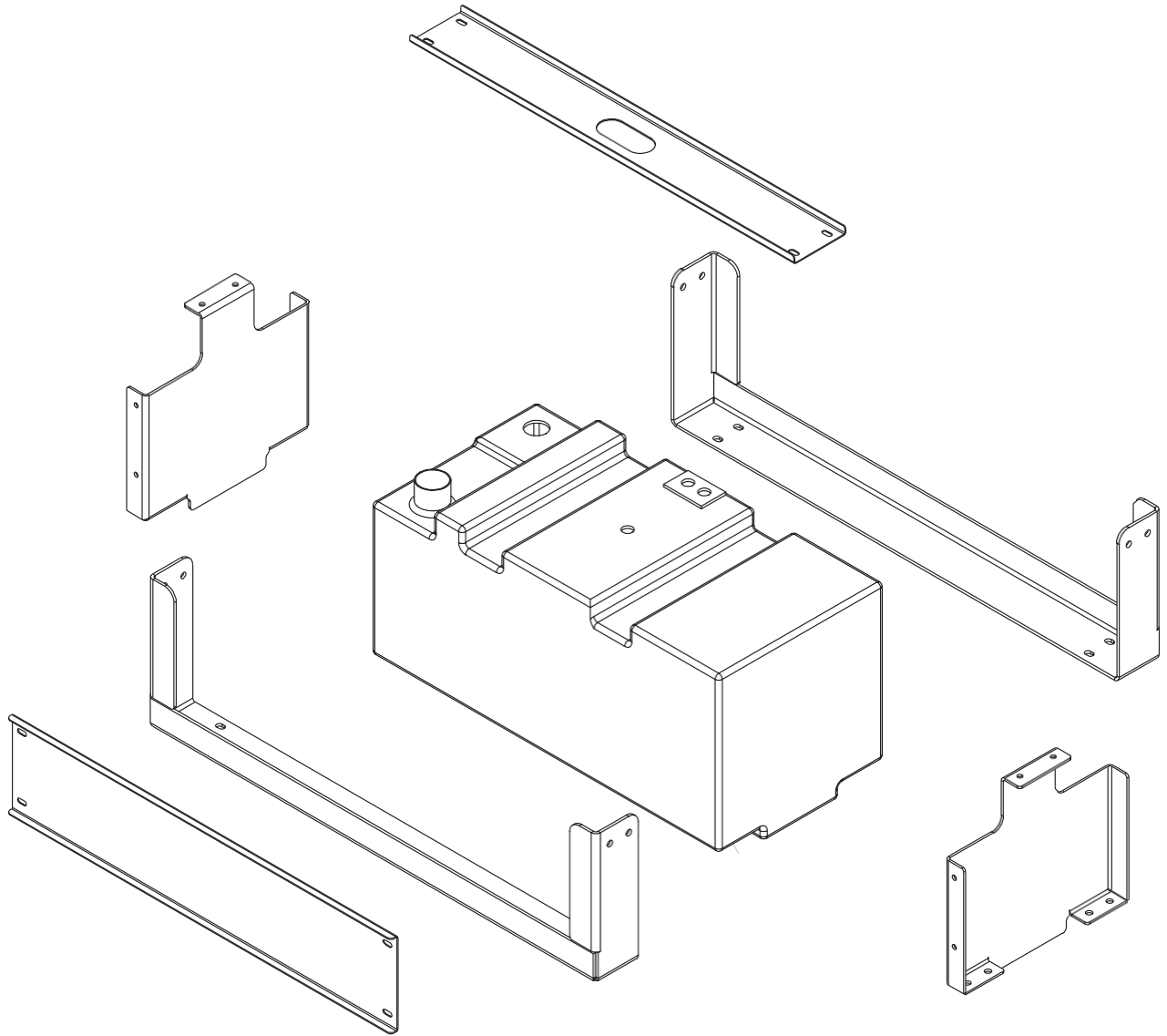
9.0 Chassis and Hopper Group

9.0 Chassis and Hopper Group

<u>Fuel Tank Group</u>	<u>116</u>
<u>Chassis and Auto Door Latch Group.....</u>	<u>118</u>
<u>Box Group.....</u>	<u>122</u>
<u>Light and Reflector Group</u>	<u>124</u>

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823

FUEL TANK GROUP



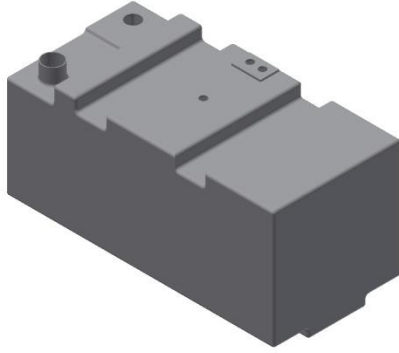
FUEL TANK GROUP

PART NUMBER:

8003501B

DESCRIPTION:

FUEL TANK, 40 GAL

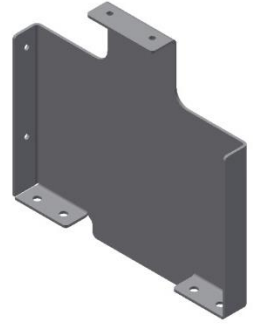


PART NUMBER:

277XZ

DESCRIPTION:

FUEL TANK RIGHT SIDE

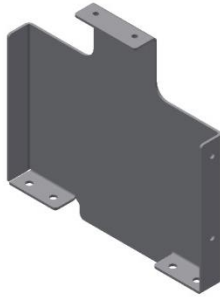


PART NUMBER:

278XZ

DESCRIPTION:

FUEL TANK LEFT SIDE



PART NUMBER:

276XZ

DESCRIPTION:

FUEL TANK SADDLE

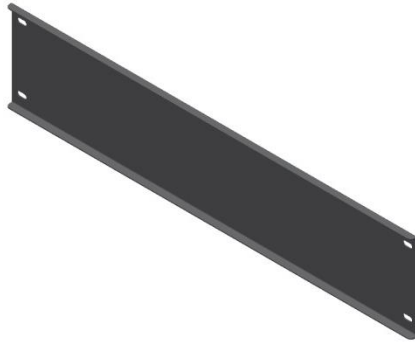


PART NUMBER:

279XZ

DESCRIPTION:

FUEL TANKS FRONT



PART NUMBER:

280XZ

DESCRIPTION:

FUEL TANK TOP



PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

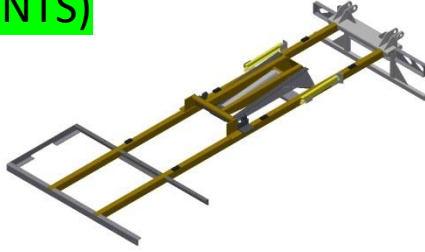
CHASSIS AND AUTO DOOR LATCH GROUP

PART NUMBER:

DCL800C (VARIANTS)

DESCRIPTION:

CHASSIS (NUMBER CHANGES BASED ON YD SIZE)



PART NUMBER:

DCL800B (VARIANTS)

DESCRIPTION:

BED (NUMBER CHANGES BASED ON YD SIZE)

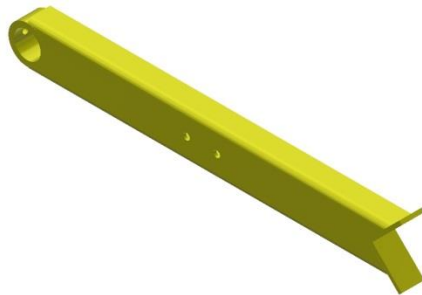


PART NUMBER:

757XZ

DESCRIPTION:

BODY PROP



PART NUMBER:

758XZ

DESCRIPTION:

BODY PROP HANDLE

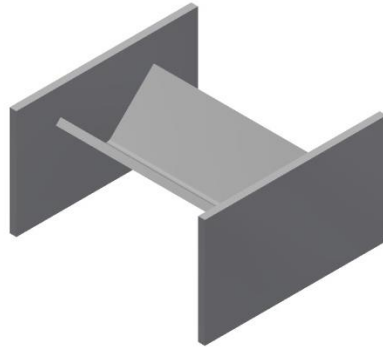


PART NUMBER:

SCL800015A

DESCRIPTION:

BRACKET FOR BODY PROP



PART NUMBER:

SCL800015B

DESCRIPTION:

BODY PROP RECIEVER, DRIVER SIDE



PART NUMBER:

SCL800015

DESCRIPTION:

BODY PROP RECIEVER, PASSENGER SIDE

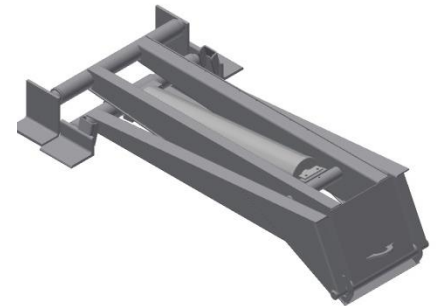


PART NUMBER:

155547

DESCRIPTION:

HOIST



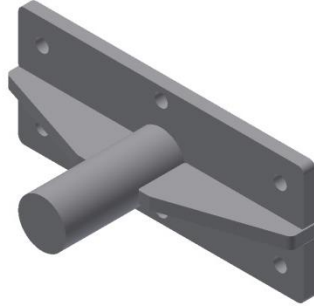
CHASSIS AND AUTO DOOR LATCH GROUP

PART NUMBER:

208XZ

DESCRIPTION:

BED GUIDE PIN

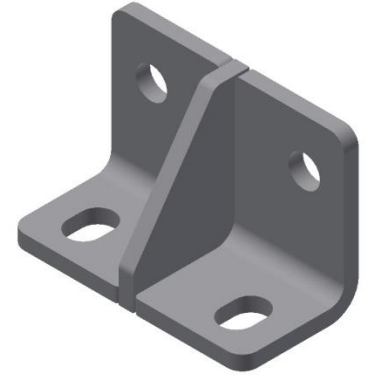


PART NUMBER:

261XZ

DESCRIPTION:

BOLT ON CHASSIS
ANGLE



PART NUMBER:

8C014B

DESCRIPTION:

ST4000 HINGE PIN

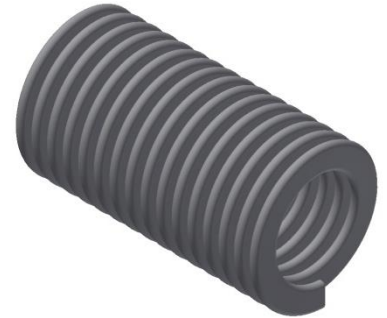


PART NUMBER:

8AD001L

DESCRIPTION:

LATCH SPRING

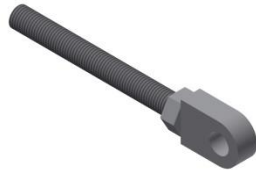


PART NUMBER:

8AD001C

DESCRIPTION:

THREADED ROD
FOR AUTO DOOR
LATCH



PART NUMBER:

217XZ

DESCRIPTION:

MIDDLE COUPLING



PART NUMBER:

215XZ

DESCRIPTION:

AUTO DOOR SHAFT

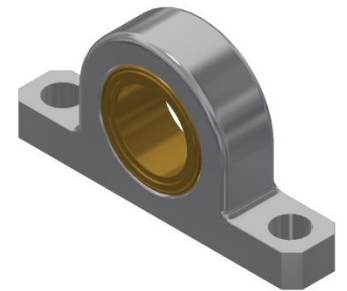


PART NUMBER:

568XZ

DESCRIPTION:

MOUNTED ADL
BEARING



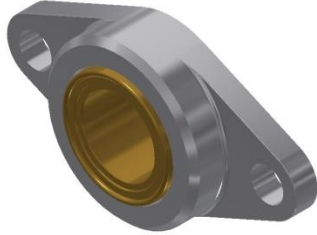
CHASSIS AND AUTO DOOR LATCH GROUP

PART NUMBER:

569XZ

DESCRIPTION:

2 BOLT FLANGE
BEARING

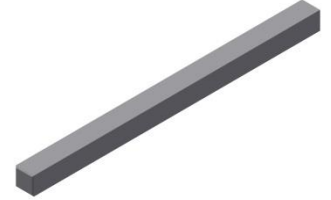


PART NUMBER:

969XZ

DESCRIPTION:

MIDDLE COUPLING
KEY, .25IN SQ X 4IN
LONG

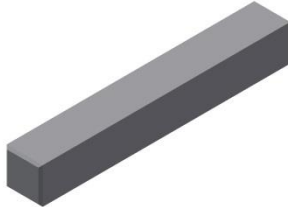


PART NUMBER:

968XZ

DESCRIPTION:

LATCH HOOK KEY,
.25IN SQ X 1.75IN
LONG



PART NUMBER:

1173XZ

DESCRIPTION:

AUTO DOOR LATCH
HOOK



PART NUMBER:

343XZ

DESCRIPTION:

1.25, 2PIECE
COLLAR STEEL

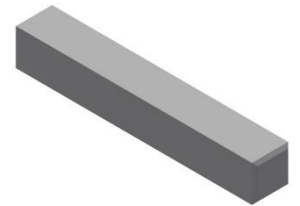


PART NUMBER:

119XZ

DESCRIPTION:

.375 KEY STOCK,
2.5IN LONG



PART NUMBER:

342XZ

DESCRIPTION:

PROX SWITCH
STRIKE

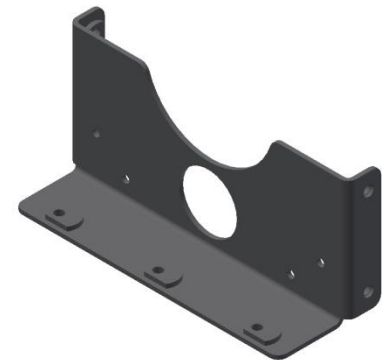


PART NUMBER:

340XZ

DESCRIPTION:

PROX SWITCH
PLATE



CHASSIS AND AUTO DOOR LATCH GROUP

PART NUMBER:

PVCG46

DESCRIPTION:

RUBBER GRIP



PART NUMBER:

1063XZ

DESCRIPTION:

U-BOLT
5/8 X 3.5 X 18.125



PART NUMBER:

581XZ

DESCRIPTION:

CHASSIS DIE
SPRINGS



PART NUMBER:

609XZ

DESCRIPTION:

ADL HYDRAULIC
CYLINDER



PART NUMBER:

3862T2

DESCRIPTION:

HOOK



PART NUMBER:

20CYDDK

DESCRIPTION:

20 CYD BLACK &
CLEAR DECAL



PART NUMBER:

CLEARDK1

DESCRIPTION:

CLEARANCE
HEIGHT DECAL
SHEET



PART NUMBER:

DESCRIPTION:

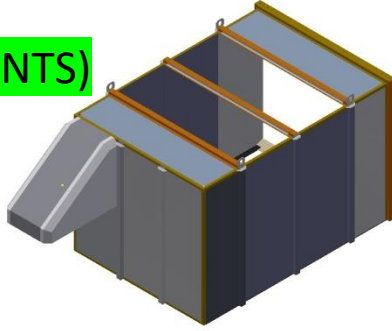
BOX GROUP

PART NUMBER:

DCL800BX (VARIANTS)

DESCRIPTION:

BOX (NUMBER
CHANGES BASED
ON YD SIZE)



PART NUMBER:

SCL805810

DESCRIPTION:

SCREEN
14/20YD-2 REQUIRED
25/30YD-3 REQUIRED

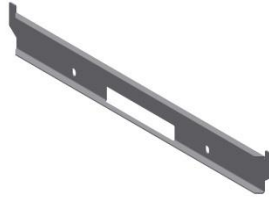


PART NUMBER:

8002807

DESCRIPTION:

SCREEN RETAINER



PART NUMBER:

7502990DX

DESCRIPTION:

LOCK DOWN
BRACKET

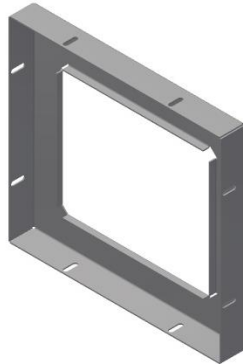


PART NUMBER:

8BXDB6

DESCRIPTION:

ADJUSTABLE
INSERT



PART NUMBER:

1529XZ

DESCRIPTION:

TOP HINGE DOOR,
AUTO LATCH

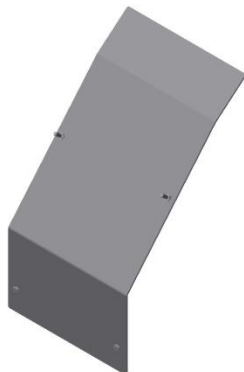


PART NUMBER:

80076BX

DESCRIPTION:

DEFLECTOR PLATE



PART NUMBER:

SCL800030

DESCRIPTION:

DOOR SEAL
RUBBER



BOX GROUP

PART NUMBER:

SCL800034

DESCRIPTION:

DOOR SEAL
BRACKET, BOLTS TO
WELDED PIECE ON
BOX



PART NUMBER:

SCL800035

DESCRIPTION:

DOOR SEAL
BRACKET

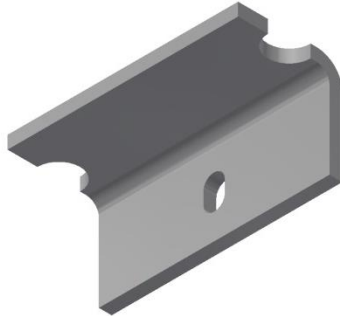


PART NUMBER:

SCL800036

DESCRIPTION:

BOX CORNER CLIP



PART NUMBER:

80092BX

DESCRIPTION:

TOP HINGE BOLT
3/4-10 UNC X
2.75IN LONG



PART NUMBER:

1592XZ

DESCRIPTION:

TOP, HINGE, BOX,
DOOR, PROP



PART NUMBER:

1594XZ

DESCRIPTION:

BELLEVILLE DISC
SPRING



PART NUMBER:

1595XZ

DESCRIPTION:

OVERSIZED FLAT
WASHER



PART NUMBER:

1596XZ

DESCRIPTION:

THICK LEAD
BRONZE THRUST
WASH



LIGHT AND REFLECTOR GROUP

PART NUMBER:

STD2201

DESCRIPTION:

LED MARKER LIGHT,
RED



PART NUMBER:

STD2202

DESCRIPTION:

LED MARKER LIGHT,
YELLOW



PART NUMBER:

STD2213A

DESCRIPTION:

LED STROBE LIGHT
WITH FLASHER



PART NUMBER:

LCT600010

DESCRIPTION:

LICENSE PLATE
BRACKET



PART NUMBER:

STD2414G

DESCRIPTION:

OVAL TAIL LIGHT
GROMMET



PART NUMBER:

STD2414

DESCRIPTION:

LED TAIL LIGHT,
RED



PART NUMBER:

LCT60615B

DESCRIPTION:

LICENSE PLATE
LIGHT



PART NUMBER:

981010DX

DESCRIPTION:

REFLECTIVE TAPE
RED/WHITE. 2"





11-0

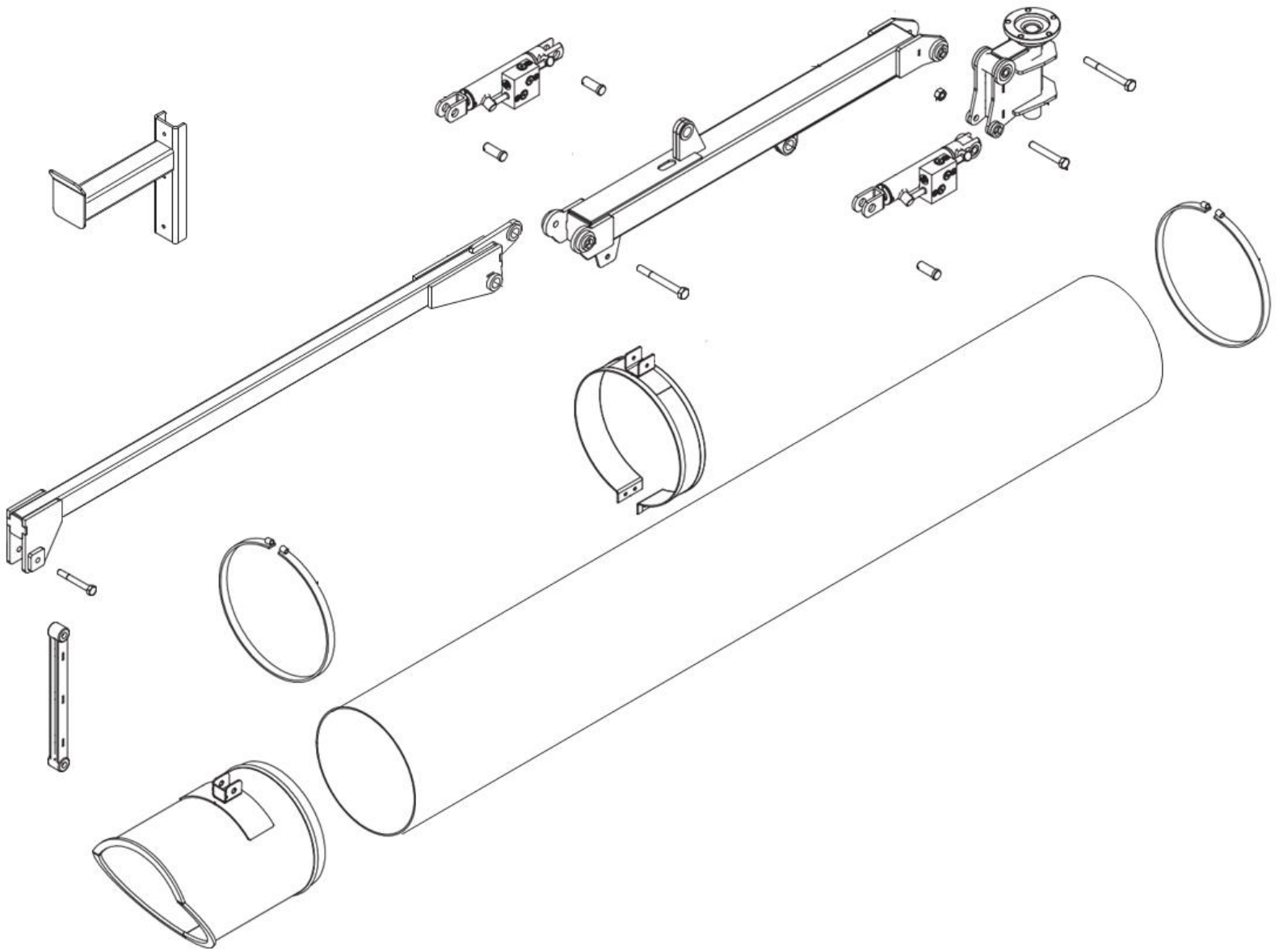
10.0 HOSE BOOM GROUP

10.0 HOSE BOOM GROUP

Boom Assembly, Group.....	126
H Frame Group.....	130
Auburn Gear Drive Assembly.....	133

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823

BOOM ASSEMBLY



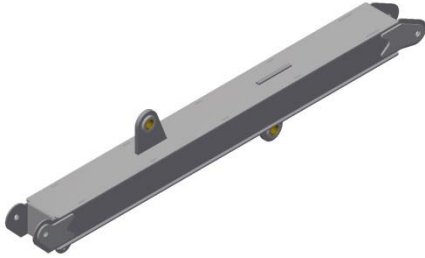
BOOM ASSEMBLY GROUP

PART NUMBER:

266XZ

DESCRIPTION:

UP/DOWN BOOM
ARM



PART NUMBER:

265XZ

DESCRIPTION:

IN AND OUT BOOM
ARM



PART NUMBER:

610XZ

DESCRIPTION:

IN/OUT HYDRAULIC
CYLINDER



PART NUMBER:

356XZ

DESCRIPTION:

UP/DOWN
HYDRAULIC
CYLINDER



PART NUMBER:

LCT616603U

DESCRIPTION:

HOSE SUPPORT
BAND



PART NUMBER:

LCT616601MAHD

DESCRIPTION:

MULTI-AXIS NOZZLE



PART NUMBER:

SCL816813

DESCRIPTION:

HOSE SUPPORT
BAR



PART NUMBER:

264XZ

DESCRIPTION:

BOOM SWIVEL



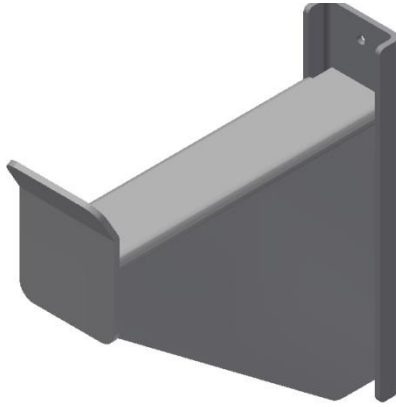
BOOM ASSEMBLY GROUP

PART NUMBER:

335XZ

DESCRIPTION:

HOSE CRADLE

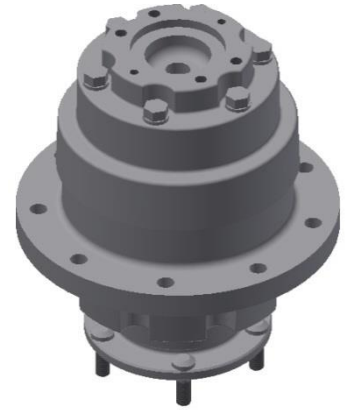


PART NUMBER:

800704B

DESCRIPTION:

AUBURN GEAR
DRIVE



PART NUMBER:

LCSDH16144W/S

DESCRIPTION:

URETHANE HOSE
WITH WEAR STRIP



PART NUMBER:

200048

DESCRIPTION:

3/8-16 THREADED
ROD 7IN LONG



PART NUMBER:

800710

DESCRIPTION:

BOLT 3/4-16 X
7.5IN LONG



PART NUMBER:

759XZ

DESCRIPTION:

CLEVIS PIN 1IN X
2.5IN LONG



PART NUMBER:

760XZ

DESCRIPTION:

HAIRPIN COTTER
PIN



PART NUMBER:

754XZ

DESCRIPTION:

PILOT FLANGE
BEARING



BOOM ASSEMBLY GROUP

PART NUMBER:

LCT616616

DESCRIPTION:
HOSE BAND



PART NUMBER:

585XZ

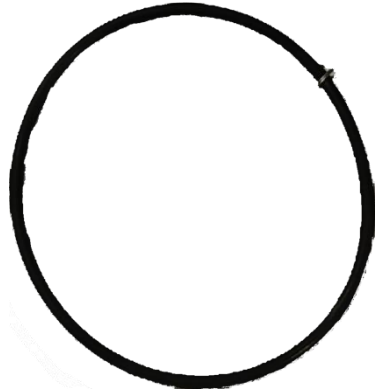
DESCRIPTION:
OIL EMBEDDED
THRUST WASHER



PART NUMBER:

800701D

DESCRIPTION:
O-RING FOR HYD
MOTOR



PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

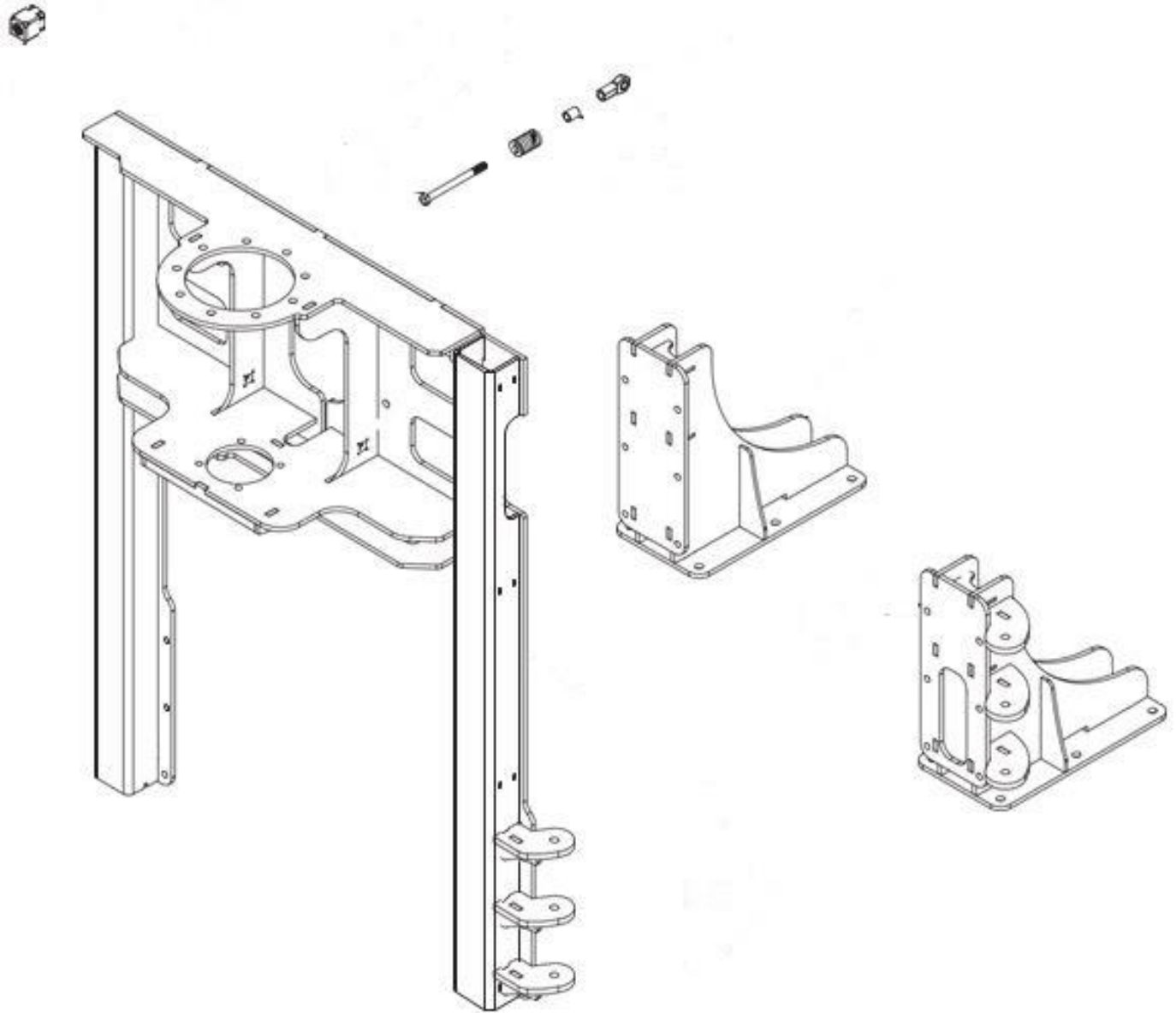
PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

H FRAME GROUP



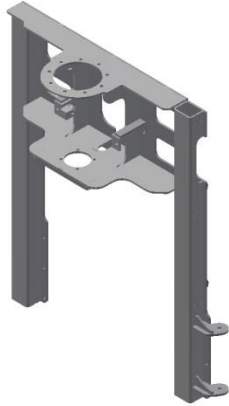
H FRAME GROUP

PART NUMBER:

263XZ

DESCRIPTION:

H-FRAME



PART NUMBER:

267XZ

DESCRIPTION:

FRAME MOUNT RH



PART NUMBER:

268XZ

DESCRIPTION:

FRAME MOUNT LH

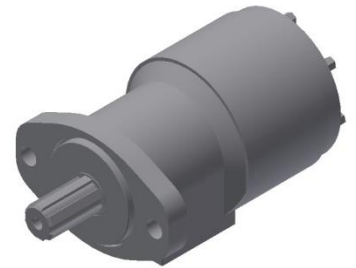


PART NUMBER:

605XZ

DESCRIPTION:

HYDRAULICS KIT



PART NUMBER:

606XZ

DESCRIPTION:

HOSE & FITTINGS
KIT



PART NUMBER:

719XZ

DESCRIPTION:

STAUFF CLAMP
PAIR



PART NUMBER:

5501809

DESCRIPTION:

1/2IN ROD END
BALL JOINT



PART NUMBER:

8001808

DESCRIPTION:

TENSION SPRING



H FRAME GROUP

PART NUMBER:

5501808B



DESCRIPTION:

1/2-20 BOLT 6IN
LONG

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

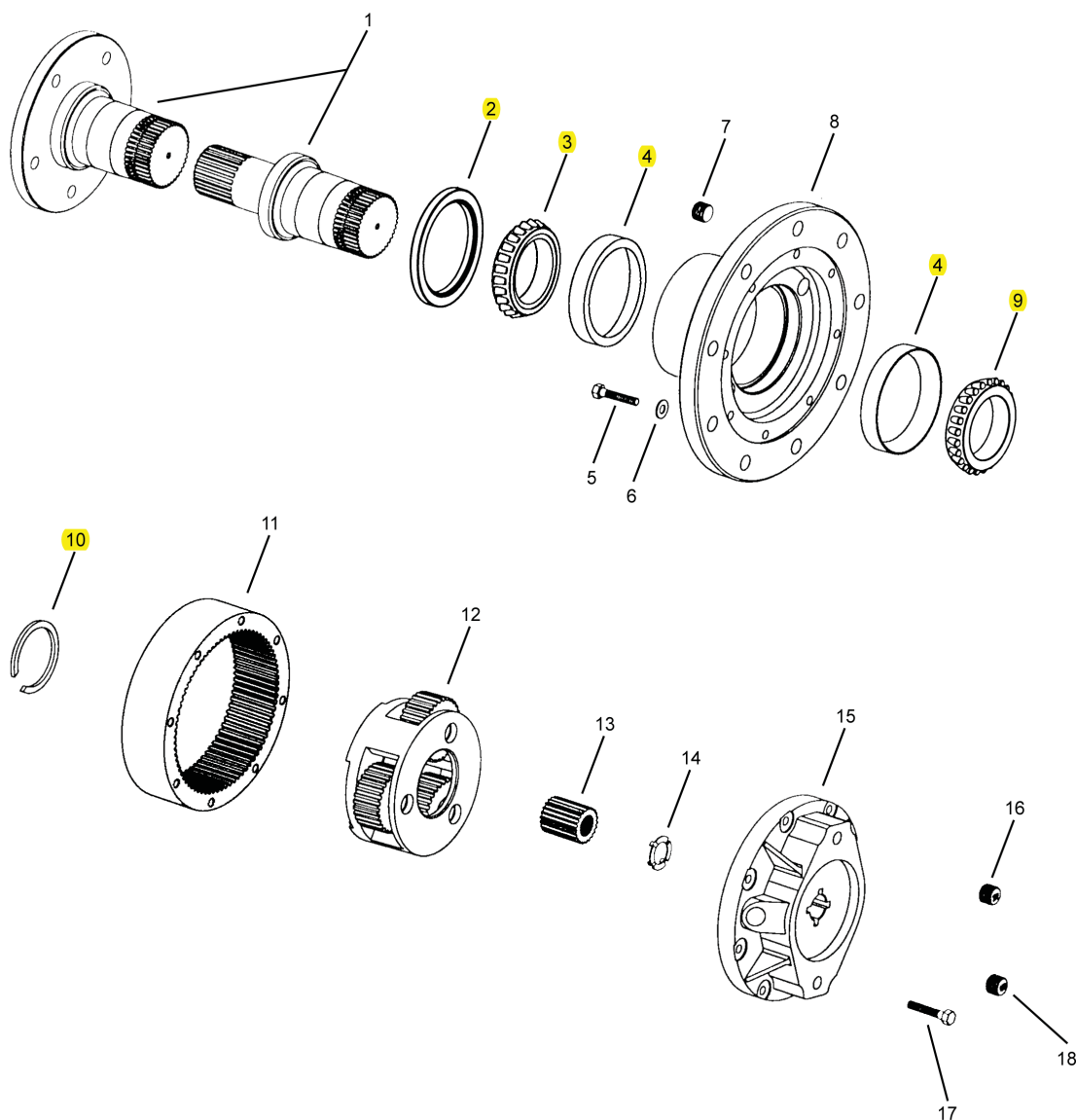
PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

AUBURN GEAR DRIVE ASSEMBLY



ITEM #	PART #	DESCRIPTION	ITEM #	PART #	DESCRIPTION
1		Output Shaft or Spindle	13		Sun Gear
2	14-00-044-010	Oil Seal	14		Thrust Washer
3	14-01-101-35	Bearing Cone	15		Cover
4	14-01-102-12	Bearing Cup	16	14-00-052-002	Magnetic Plug
5		Hex Head Bolt (grade 8)	17		Hex Head Bolt
6		Flat Washer	18	03-04-101-01	Pipe Plug
7	03-04-101-09	Pipe Plug	*	641008	Bearing and Seal Kit, includes #2,3,4,8 and 10
8		Hub	*	641017	Seal Kit, includes #2 & #10
9	04-01-101-17	Bearing Cone	*	618318	Gear Bolt
10	14-02-410-003	Retaining Ring Kit		618318.N	Nut
11		Ring Gear			
12		Carrier Assembly			



11-0

11.0 SPECIAL OPTIONS

11.0 SPECIAL OPTIONS

<u>Bottom Exhaust.....</u>	<u>135</u>
<u>Hood Scoop.....</u>	<u>137</u>
<u>Chipper Door.....</u>	<u>140</u>
<u>Miscellaneous.....</u>	<u>141</u>

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823

BOTTOM EXHAUST

33OPT-25/30YD & 34OPT-14/20YD

PART NUMBER:

249XZ

DESCRIPTION:

REAR STIFFENER



PART NUMBER:

250XZ

DESCRIPTION:

FRONT STIFFENER



PART NUMBER:

251XZ

DESCRIPTION:

MIDDLE STIFFENER



PART NUMBER:

252XZ

DESCRIPTION:

FRONT WALL
PANEL



PART NUMBER:

253XZ

DESCRIPTION:

CENTER WALL
PANEL



PART NUMBER:

254XZ

DESCRIPTION:

REAR WALL
PANEL

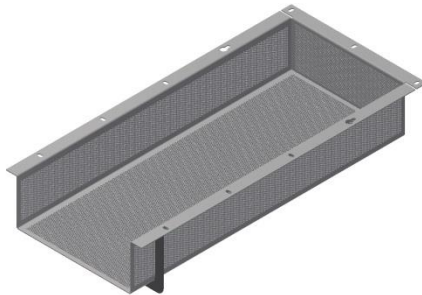


PART NUMBER:

843XZ

DESCRIPTION:

EXHAUST
SCREEN



PART NUMBER:

846XZ

DESCRIPTION:

OUTSIDE FILLER
PLATE



BOTTOM EXHAUST

33OPT-25/30YD & 34OPT-14/20YD

PART NUMBER:

847XZ

DESCRIPTION:

**CENTER FILLER
PLATE**



PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

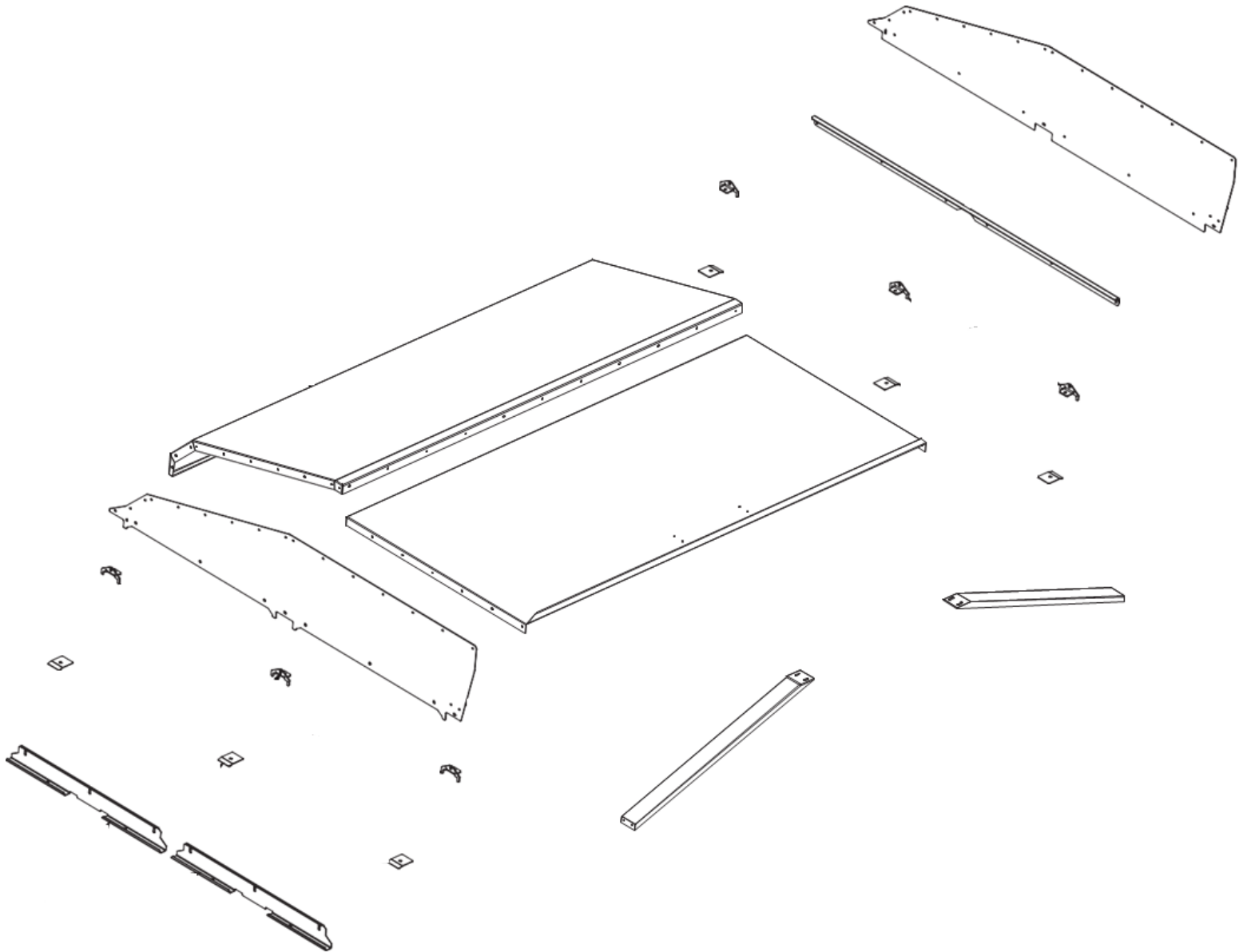
DESCRIPTION:

PART NUMBER:

DESCRIPTION:

HOOD SCOOP

7OPT



HOOD SCOOP

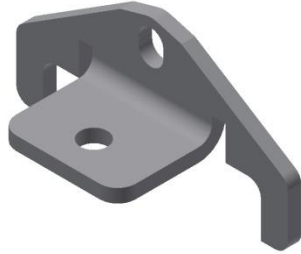
7OPT

PART NUMBER:

8001901

DESCRIPTION:

HAT CHANNEL
BRACKET



PART NUMBER:

8001901L

DESCRIPTION:

HAT CHANNEL
BRACKET LH

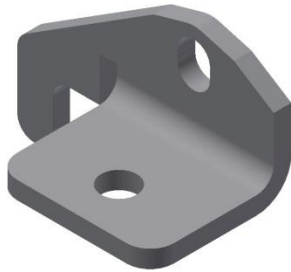


PART NUMBER:

8001901R

DESCRIPTION:

HAT CHANNEL
BRACKET RH

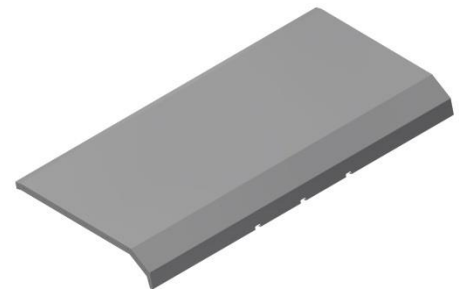


PART NUMBER:

8001902

DESCRIPTION:

FRONT TOP PANEL

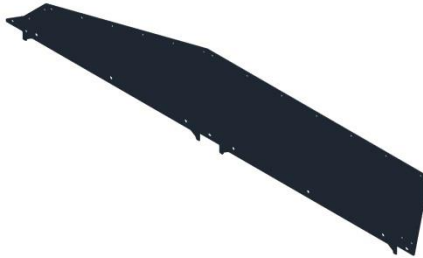


PART NUMBER:

8001902L

DESCRIPTION:

LEFT HAND SIDE

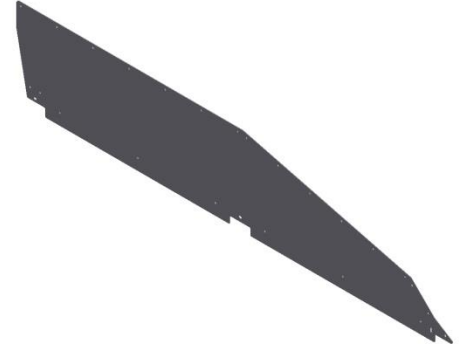


PART NUMBER:

8001902R

DESCRIPTION:

RIGHT HAND SIDE

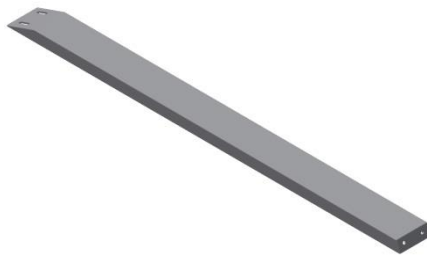


PART NUMBER:

8001903

DESCRIPTION:

CROSS BRACE



PART NUMBER:

8001904

DESCRIPTION:

SIDE STIFFENER



HOOD SCOOP

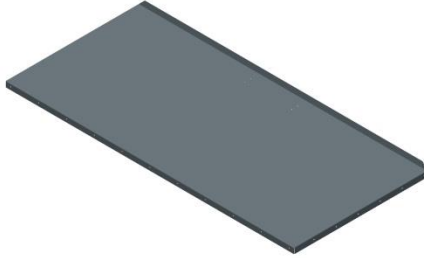
7OPT

PART NUMBER:

8001905

DESCRIPTION:

REAR TOP PANEL



PART NUMBER:

8001907

DESCRIPTION:

SCREEN RETAINER
PANEL



PART NUMBER:

8002909

DESCRIPTION:

NUT PLATE



PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

CHIPPER DOOR

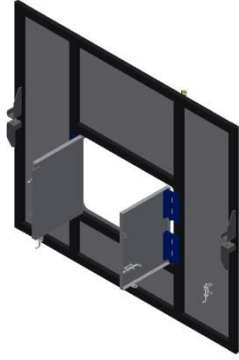
23OPT & 23AOPT

PART NUMBER:

8BXTHDCH

DESCRIPTION:

CHIPPER DOOR

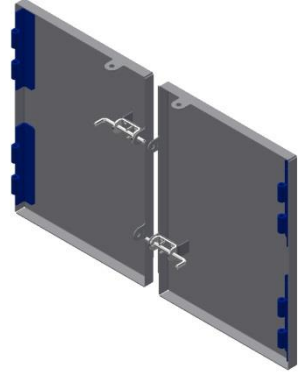


PART NUMBER:

80097BX

DESCRIPTION:

**CHIPPER ACCESS
DOORS**



PART NUMBER:

94789ODX

DESCRIPTION:

**PIG TAIL PLUG
WIRE, BACKUP
LIGHT**



PART NUMBER:

9H15ODX

DESCRIPTION:

15 TON TOW EYE

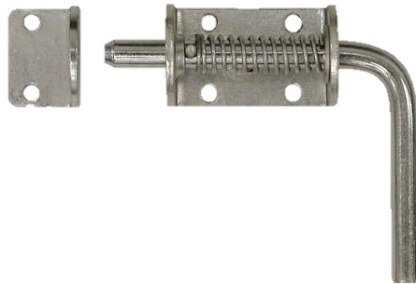


PART NUMBER:

8002820

DESCRIPTION:

SPRING LATCH

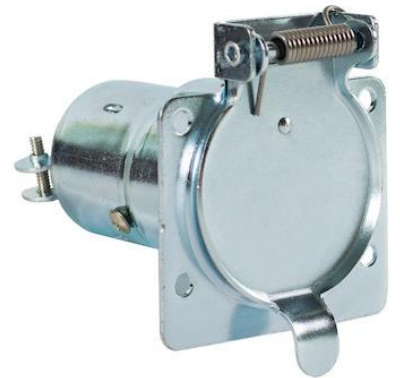


PART NUMBER:

UU12703

DESCRIPTION:

TRAILER PLUG



PART NUMBER:

44708

DESCRIPTION:

**BACK UP LIGHT
FLANGE, CROME**



PART NUMBER:

44344C

DESCRIPTION:

LED BACK UP LIGHT



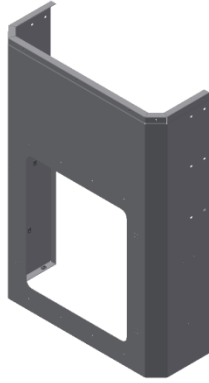
MISC. PARTS

PART NUMBER:

40454001R

DESCRIPTION:

FRONT PANEL FOR
1241XZ

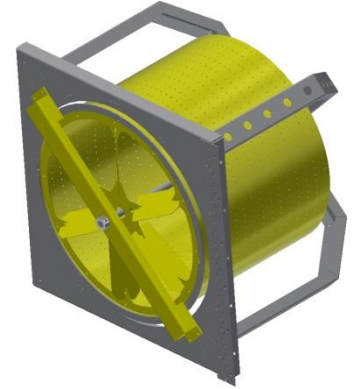


PART NUMBER:

1241XZ

DESCRIPTION:

ROTARY AIR
SCREEN
(BREAKDOWN ON
PAGE 131)



PART NUMBER:

TDDL1547CUS

DESCRIPTION:

LED DIRECTIONAL
TRAFFIC LIGHT

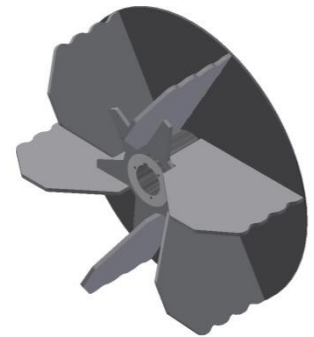


PART NUMBER:

1145XZ

DESCRIPTION:

30IN IMPELLER

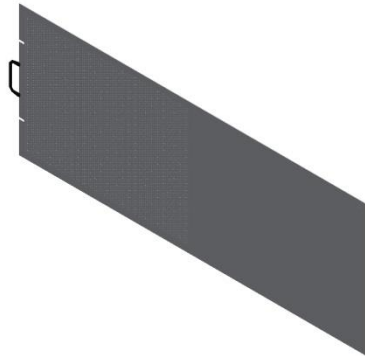


PART NUMBER:

SCL805810P

DESCRIPTION:

PERFERATED SCREEN
14/20YD-2 NEEDED
25/30YD-3 NEEDED



PART NUMBER:

853XZ

DESCRIPTION:

PHOTOELECTRIC
SWITCH (35OPT)



PART NUMBER:

RBC3125X375

DESCRIPTION:

RUBER BODY
CLAMP (35OPT)



PART NUMBER:

1240XZ

DESCRIPTION:

POLY URETHANE
LINER SET



MISC. PARTS

PART NUMBER:

4045146C

DESCRIPTION:

OIL DRAIN ELBOW
PLATE

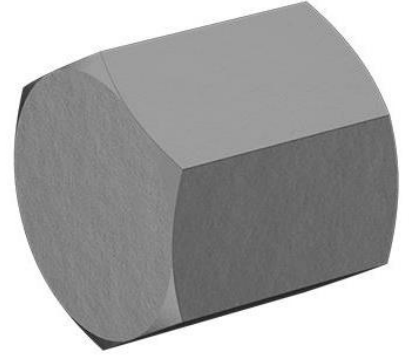


PART NUMBER:

4501416F

DESCRIPTION:

OIL DRAIN CAP



PART NUMBER:

HOSE1030

DESCRIPTION:

OIL DRAIN HOSE
(14OPT)



PART NUMBER:

HYF1153

DESCRIPTION:

ELBOW FITTLING
(14OPT)

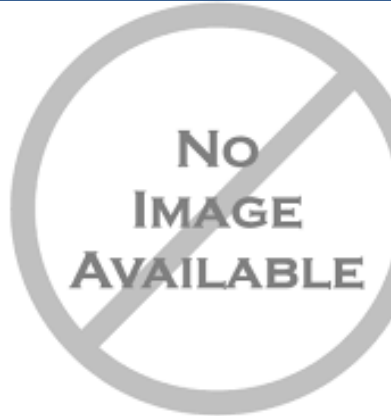


PART NUMBER:

80019TDK

DESCRIPTION:

DCL800 TRUCK
DECAL



PART NUMBER:

8858T14

DESCRIPTION:

8" BUNGIE CORD



PART NUMBER:

DESCRIPTION:

PART NUMBER:

HOSE1039

DESCRIPTION:

SPIRAL HOSE
GUARD 1/4"



MISC. PARTS

PART NUMBER:

C070078

DESCRIPTION:

GASKET, 30' ROLL--
3/8"



PART NUMBER:

V710

DESCRIPTION:

75' ROLL 1/8" X
3/4"W BLACK FO



PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

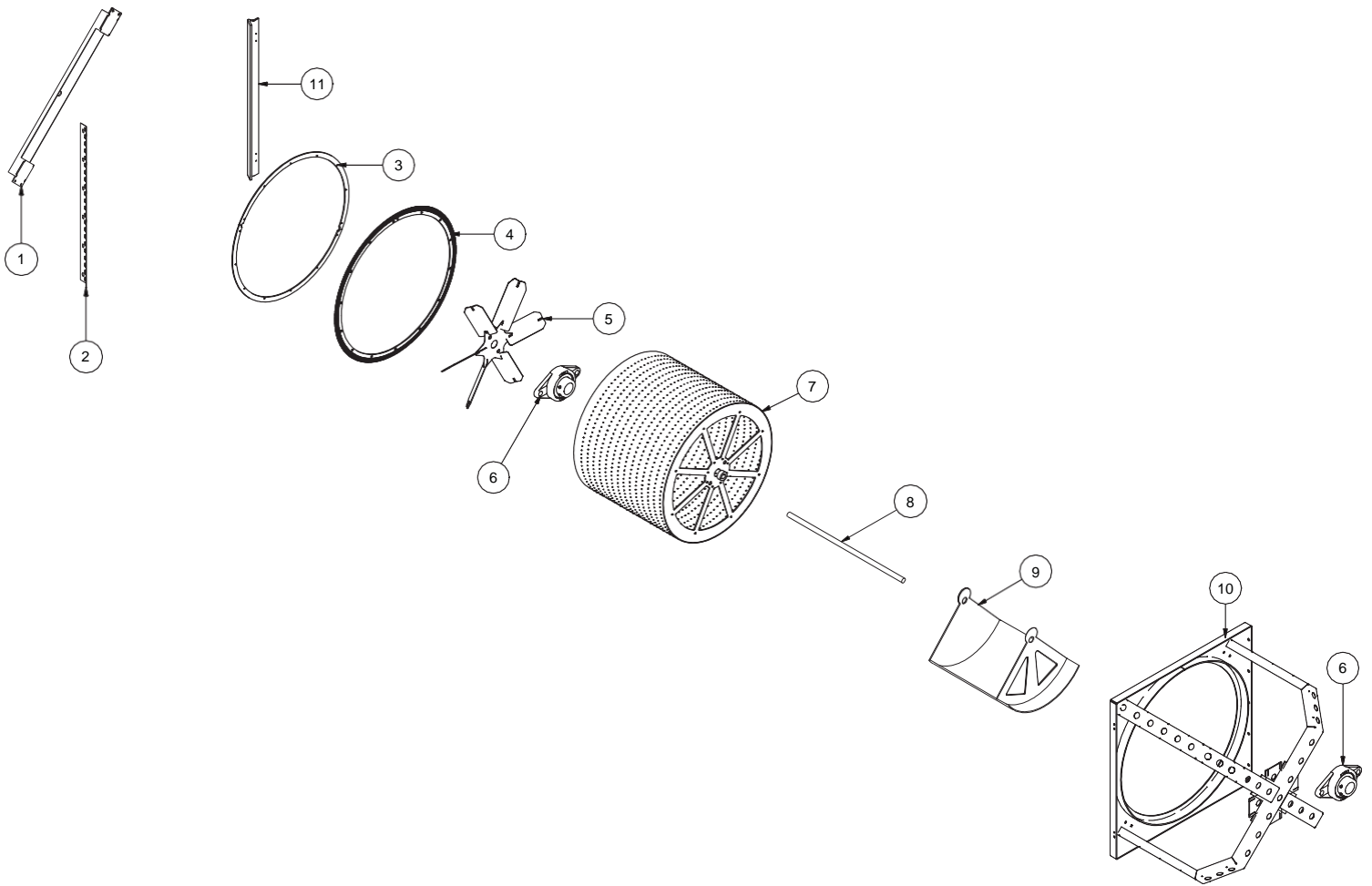
PART NUMBER:

DESCRIPTION:

PART NUMBER:

DESCRIPTION:

ROTARY AIR SCREEN BREAKDOWN



ITEM #	PART NO.	DESCRIPTION
*	1241xz	Chaffe Assembly
1	RAS207	Shaft Bracket
2	RAS206	Hinge
3	RAS110	Brush Holder
4	RAS109	Strip Brush
5	RAS201	Fan
6	RAS204	Flange Bearing
7	RAS203	Barrell
8	RAS105	Shaft
9	RAS205	Air Deflector
10	RAS202	Support Frame
11	RAS114 RAS208	Angle Frame, LCT650 only Angle Frame, 3029 Only

Safety Section

⚠️ WARNING

Read and understand this entire manual before operating, maintaining or repairing the leaf vacuum.



⚠️ DANGER

DO NOT RIDE, SIT OR STAND ON UNIT.

**RIDING ON UNIT
COULD RESULT IN BODILY
HARM OR FATAL INJURY
USE EXTREME CAUTION WHEN
UNIT IS IN USE, OR IN MOTION.**

If the decal above is missing or damaged call ODB immediately and we will send you a replacement free of charge. Never operate a unit with damaged or missing safety decals.

⚠️ DANGER

DO NOT RIDE, SIT OR STAND ON UNIT

⚠️ DANGER

DO NOT MODIFY THE UNIT FOR RIDERS IN ANY WAY. SERIOUS INJURY OR DEATH MAY OCCUR

ODB's leaf collectors are NEVER to be used to accommodate riders. If your unit has been modified to accommodate riders, remove these modifications immediately as this can result in serious injury or death.



CAUTION

**DO NOT ATTEMPT TO OPERATE
OR REPAIR
THE LEAF COLLECTOR WITHOUT FIRST
READING AND UNDERSTANDING THIS
MANUAL**

IF YOU HAVE ANY QUESTIONS CONCERNING THE
INSTALLATION OR OPERATION OF THIS UNIT, PLEASE CALL
ODB FOR ASSISTANCE BEFORE ATTEMPTING TO REPAIR OR
OPERATE THE UNIT.

**IMPROPER USE OF ANY MACHINE CAN
RESULT IN SERIOUS INJURY!**

**STUDY AND FOLLOW ALL SAFETY
PRECAUTIONS BEFORE OPERATING OR
REPAIRING UNIT**

THIS MANUAL IS AN INTEGRAL PART OF THE LEAF COLLECTOR AND SHOULD
BE KEPT WITH THE UNIT WHEN IT IS SOLD.

ODB COMPANY
5118 Glen Alden Drive
Richmond, VA 23231
800-446-9823

