

985NH SERVICE MANUAL

MODEL YEAR 2025 REV. A.1

FOR MORE INFORMATION CALL 1.800.883.9790 or WWW.SCHERERINC.COM



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Other Patents Applied for
Foreign Patents Applied for

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Service New Product Warranty

LIMITED WARRANTY ON NEW SCHERER KERNEL PROCESSORS AND PROCESSOR ROLLS

Scherer, Inc. ("Scherer") will provide for repairs or replacement, at its option during the warranty period of each new Scherer Kernel Processors and/or new Scherer Kernel Processor Rolls in accordance with the following terms, conditions, and limitations.

WHAT IS COVERED

WARRANTY APPLIES – This warranty is for new Scherer Kernel Processors and/or new Scherer Kernel Processor Rolls installed in a New Holland® Forage Harvester by a certified technician, and is provided to the original and any subsequent owner(s) of the New Holland® Forage Harvester during the warranty provision.

REPAIRS COVERED – The warranty covers repairs or replacement, at Scherer's option, to correct any malfunction resulting from defects in the design, material or workmanship occurring during the warranty period. Needed repairs or replacements will be performed using the method Scherer determines most appropriate under the circumstances.

OBTAINING REPAIRS – To obtain warranty repairs, contact Scherer at portal.schererinc.com.

WARRANTY PERIOD – The warranty period for all coverages shall begin on the date installed by the dealer and shall continue for twelve months.

WHAT IS NOT COVERED

DAMAGE DUE TO ACCIDENT, MISUSE, or ALTERATION – Defects and damage caused as a result of any of the following are not covered:

Flood, Collision, Fire, Theft, Vandalism, Riot, Explosion, Acts of Terrorism;

- Misuse of the Forage Harvester;
- Installation into unapproved applications and installations;
- Alterations or modification of the Kernel Processor, Processor Rolls, or Forage Harvester;
- Anything other than defects in the Scherer Kernel Processor or Processor Roll design, materials, or workmanship.

DAMAGE CAUSED by LACK of MAINTENANCE – Defects and damage caused by the owner's failure to follow the recommendations of the maintenance schedule provided by Scherer.

MAINTENANCE – Normal Maintenance (such as adjustments after initial installation and use as set out in the owner's manual; periodic maintenance as set out in the owner's manual based upon hours of use, and **END OF SEASON** maintenance as set out in the owner's manual) is not covered and is the owner's responsibility.

USE OF OTHER THAN GENUINE SCHERER PARTS – Defects and damage caused by the use of parts that are not genuine Scherer parts are not covered.

EXTRA EXPENSES – Economic loss and extra expenses are not covered. Examples include but are not limited to: loss of Forage Harvester use, inconvenience, lost profits, loss of time, any travel costs.

OTHER TERMS APPLICABLE TO CONSUMERS AS DEFINED BY THE MAGNUSON -MOSS WARRANTY ACT

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Scherer Inc. does not authorize any person to create for it any other obligation or liability in connection with these Kernel Processors and Processor Rolls. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THESE TRANSMISSIONS IS LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. PERFORMANCE OF REPAIRS AND NEEDED ADJUSTMENTS IS THE EXCLUSIVE REMEDY UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. SCHERER INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS, BUT NOT LIMITED TO, LOST PROFITS OR RENTAL EXPENSES) RESULTING FROM THE BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY.**

** Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

OTHER TERMS APPLICABLE TO OTHER END-USERS

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO THE SCHERER KERNEL PROCESSORS AND PROCESSOR ROLLS AND IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SCHERER INC. DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SUCH KERNEL PROCESSORS OR PROCESSOR ROLLS. SCHERER INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY.

Scherer Protection Extension

Effective 11/30/21 Extend the standard 1-year Limited Warranty up to +4 years (5 years total). Scherer Protection Extension must be purchased at same time the KP order is placed. All Scherer Protection Extension Warranties need to be filed on the Dealer Portal. Annual inspection to be completed by the Dealer & filed under the warranty section of Dealer Portal. Failure to file annual inspection may result in rejected warranty claims. Scherer Protection Extension is not retroactive to any kernel processors that have already been in service. Scherer Protection Extension is transferrable to 2nd owner. Unlimited acres/hours/tons, No deductible. Scherer does not warranty normal wear items, including but not limited to, Cheek plates, bulb seals, rolls, felt seals, KP belt, pulleys, or taper hub assemblies. Scherer does not warranty normal maintenance items on KP or air system components, including but not limited to, Filters, gaskets.

QUESTIONS

If you have any questions regarding this warranty or the performance of warranty obligations, you may contact Scherer, Inc. thru the dealer portal: portal.schererinc.com.

Safety

Warning: Read and understand all of the following safety messages. Be familiar with general operating and maintenance instructions. Be sure to lock out the power supply before performing any maintenance and adjustments. The person performing the maintenance should be the only one with the ignition key for the machine.

General Safety Practices,

Always observe safe operating practices around machinery. Most accidents are the result of carelessness or negligence. All rotating machinery is potentially dangerous. Guard and operate rotating machinery as required by applicable laws, regulations and good standard safety practices.

Before doing any maintenance on engine driven machinery, turn off ignition. Remember, the person doing the maintenance or adjustment should be the only one with the ignition key.

Use the proper tools for each maintenance task. Keep lifting equipment in good condition and **DO NOT** stand under objects being lifted. Keep a clean work area to ensure workers have good footing.

Inlet/Discharge Opening Hazard

The processor has an inlet and discharge opening. Injury will result if persons or objects fall into the inlet or discharge. A serious hazard exists if a person places their arm or any object into the inlet or discharge area of the processor. **DO NOT** remove protective guards.

Belt Drive Hazard

Be sure that the belt guards are in place before operating the processor.

Rotating Rolls Hazard

The rotating rolls are a severe hazard. The rolls turn at high speeds and operate with a grinding action that will pull objects between the rolls. Keep all body parts and all objects out of this area. **DO NOT** insert any part of your body or any tool into the roller area.

Eye Protection

Wear approved safety glasses when working around all equipment. Moving machinery can throw objects unexpectedly.

Head Protection

Wear an approved hard hat while installing the processor into and out of the machine. Falling objects or low overhead can cause severe injury while installing or removing the processor from the machine.

Hearing Protection

Under normal operating conditions, this machine does not produce hazardous noise. However, the machine itself is very noisy when operated at full throttle. Wear approved hearing protection as needed when working around equipment.

Schermist® Installation



Image 1

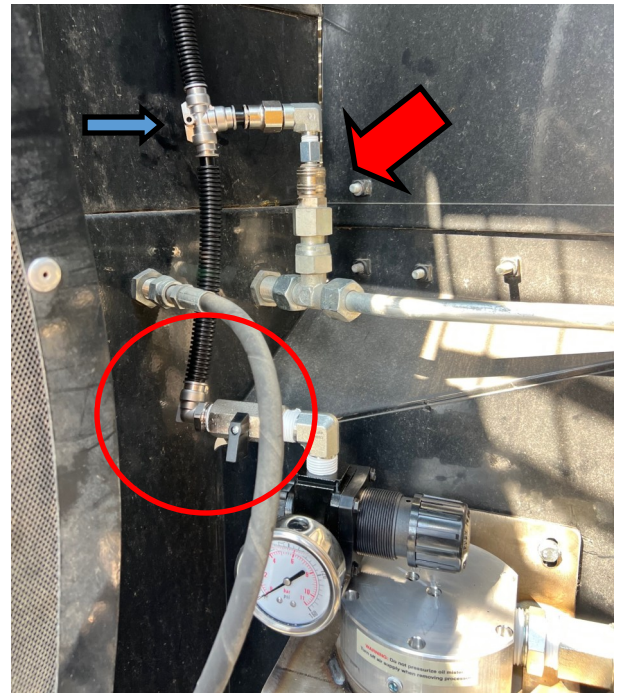


Image 2

The Schermist install location is on the angled portion in the lower left hand corner of the KP compartment's left wall (Image 1). Position the unit to allow enough room to open the fan cover and to adjust the main belt tensioner. Four holes will need to be drilled for the unit. **Be mindful of the lines and fuel tank behind this wall.**

Connect the Schermist unit to the harvesters air system with the provided "L" shaped connector (ASM10666) at the location indicated (Image 2). **Depressurize the system before installing fitting.** Use the oiler hose (PRT10784) to connect the Schermist at the fitting circled to the "L" connector.

NOTE: If an air tensioner will be installed with the kernel processor (such as shown in image 2), a "T" fitting (HPD1349) will need to be used on the end of the "L" connector (Blue arrow in Image 2).

Air Tensioner Installation

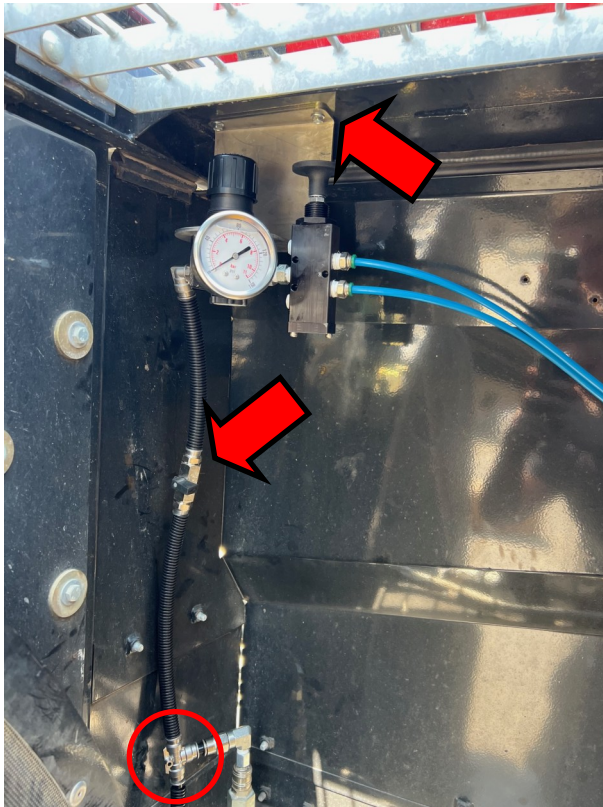


Image 3

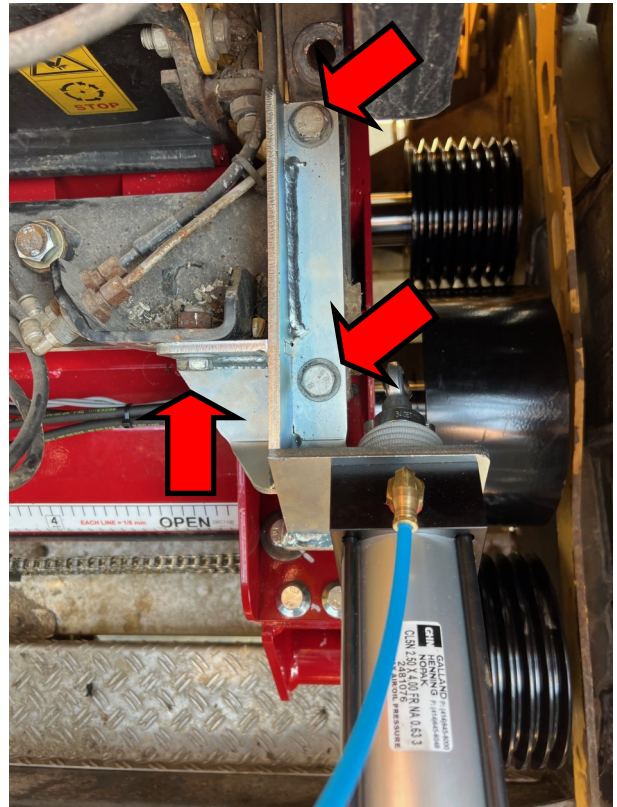


Image 4

1.) Install the pressure regulator/actuator (ASM10665) in the KP compartment's back left corner, above the Schermist. Install the bracket on the ceiling (Image 3), two holes need to be drilled. **Check that there will be no lines/equipment that will be damaged when drilling.**

2.) Connect the regulator to the air system by using a "T" fitting (HPD1349) and the "L" connection (ASM10666) from the Schermist installation. **Depressurize the system before installing.** Use 12mm hose and loom (ASM10659) with a valve (HPD1359) in the line (Image 3) to connect the regulator to the "T" fitting at the circled location (Image 3).

3.) Replace the factory tensioner bracket with the air tensioner cylinder bracket (Image 4). This is located on the right side of the swing arm. Reuse existing hardware.

Air Tensioner Installation

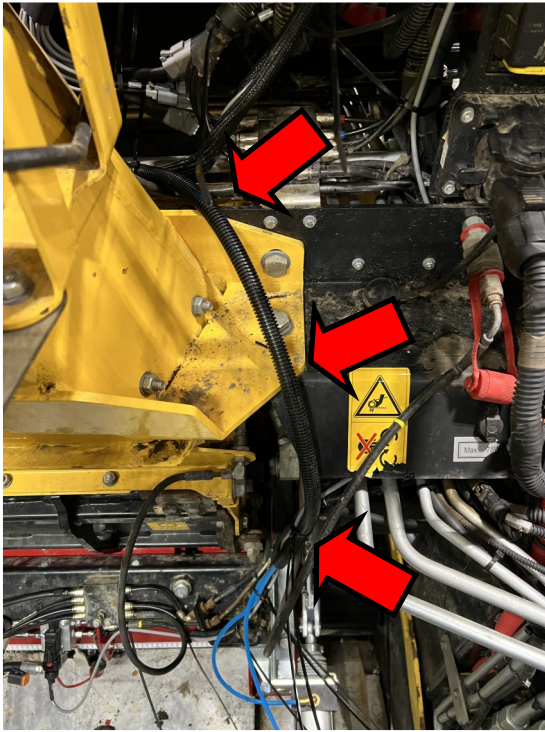


Image 5



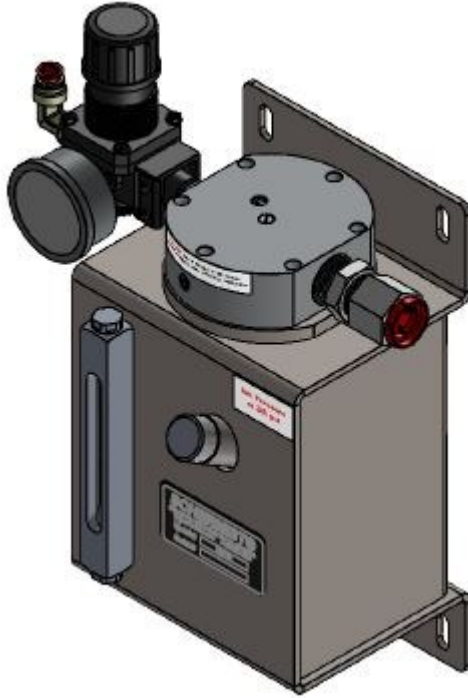
Image 6

4.) Use the wire loom with air hoses (ASM10659) to connect the pressure regulator to the air cylinder. Route the lines behind the blower and zip tie them to existing lines as shown (Image 5-6).

5.) The actuator is set to have "off" as the down position of the plunger. The "on" position is when the plunger is lifted.

NOTE: The pressure regulator needs to be set to a pressure of 95 psi before use.

Schermist® Operation



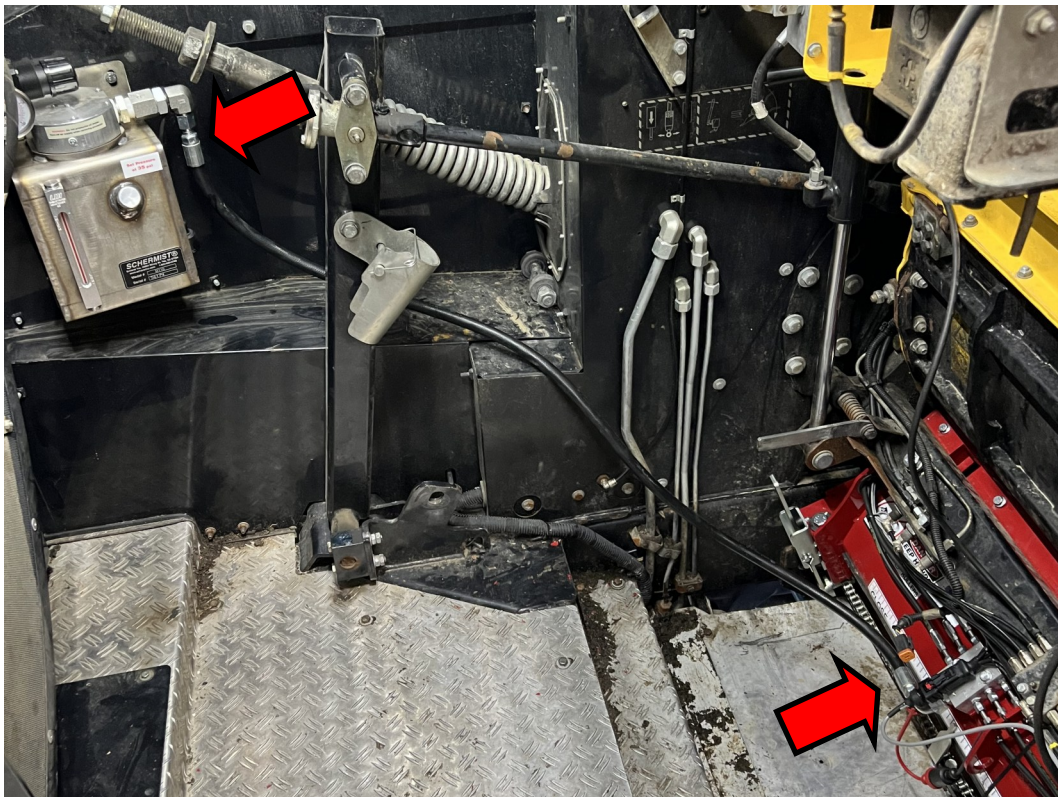
- Make sure to maintain an air pressure of 35psi at the Schermist® regulator.
- Oil fill is the plug located on the front of the Schermist® reservoir.
- The air and oil screws on top of the Schermist® head are preset at the factory. To maintain ideal operating conditions **DO NOT ADJUST THESE SCREWS.**
- Fill with oil until the oil level matches the full mark on the sight glass. **SCHERMIST® WILL NOT FUNCTION PROPERLY IF IT IS FILLED ABOVE THE FULL MARK!!**
- Only use Scherer KP oil. It is available from dealer in 1 gallon, and 5 gallon quantities.
- In very wet corn conditions, we recommend changing the oil in the bearings every two weeks and at the end of the season. To change the oil, remove the most convenient plug and drain. Refill the bearing housing with .50 oz. of fresh oil.
- **At the end of season, remove all water from regulator and air lines to prevent damage from freezing.**
- When removing the kernel processor, disconnect the hose from the Schermist® exhaust port and plug the end of the hose to keep dirt out. Also cap off the Schermist® exhaust port and turn off the air supply to the Schermist® .
- **THE SCHERMIST® SYSTEM SHOULD NOT BE PRESSURIZED IF THE EXHAUST PORT IS CAPPED OFF.**

Scherer Grease KP Installation

When installing a Scherer grease KP, the lubrication line attached to the KP (ASM10667) can be hooked up directly to the forage harvesters greaser. The line on the KP connects to the factory grease KP quick connect.

Scherer Air KP Installation

When installing a Scherer Air KP, the oil mist lubrication line (OM2033) attached to the KP can be hooked up to the Schermist unit as shown in the image below.



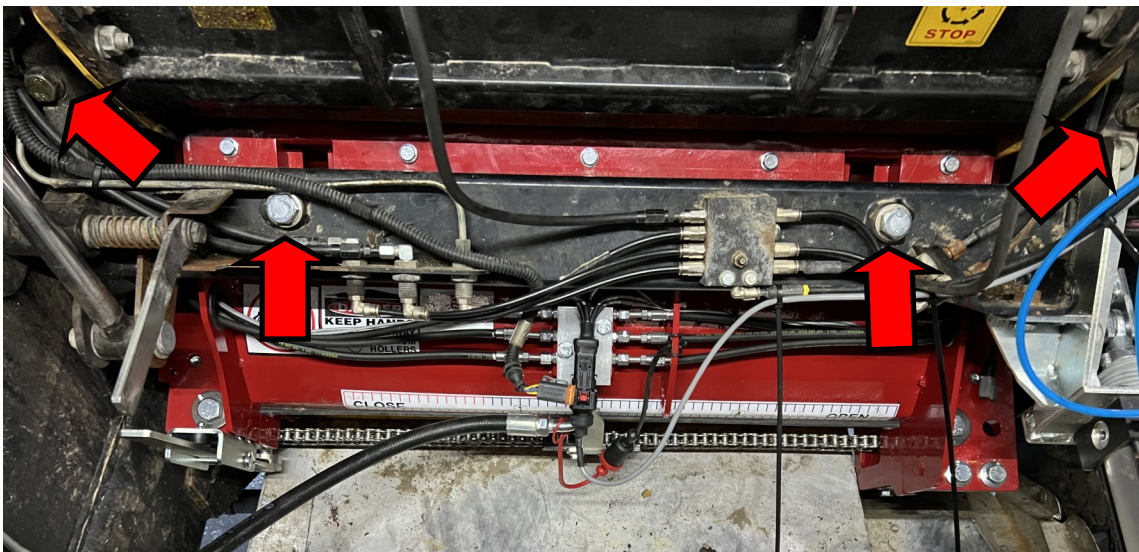
Kernel Processor Installation

1.) Before lifting the processor ensure the hinges and front clamping bolts are tight. Loosen the bolts of the adjustable sealing ledge (PRT10774) on the top of the KP. **Never stand under the processor when it is lifted.**

2.) Lift the processor through the KP compartment door using a crane and the rear most (outside) lifting bracket position. Once inside the machine temporarily set down the processor and move the crane hook to the forward (inside) lifting bracket position.

3.) Lift the KP swing arm on the harvester to allow the KP to be swung into position. Use the locating pins to align the KP on the machine's swing arm. Once located, secure the processor with the 4 mounting bolts (Image 1).

Note: Check that all bulb seals are still attached and in position before continuing installation.



Kernel Processor Installation

4.) With the processor in operating position check pulley alignment. Do this by laying a straight edge along the main drive pulley and along the processor pulleys. A laser alignment tool (A0011) can be purchased to ensure precise alignment. This needs to be done on all installations, new and used KP's. If any adjustment needs to be done, please refer to keyless taper lock torque specifications on the next page.

Note: The processor will need to be removed from the machine to resecure pulleys in aligned position

5.) After pulley alignment install the processor repeating steps 1-4 and move it into operating position. Move the adjustable seal into position and tighten bolts. Ensure all seals are still attached and hardware is tight.

B-LOC® Keyless Bushings provide a high capacity, zero-backlash shaft/hub or coupling connection by means of a mechanical interference fit. Please follow these **INSTALLATION AND REMOVAL INSTRUCTIONS** carefully to ensure proper performance of this **B-LOC®** unit.

WARNING

When installing or removing B-LOC® products, always adhere to the following safety standards:

1. Be sure that the system is de-energized using proper lockout/tagout procedures
2. Wear proper personal protective equipment.

INSTALLATION

(Refer to Figure 1)

B-LOC® Series B103 and B106 Keyless Bushings are supplied lightly oiled and ready for installation. They are self-centering and fit straight-thru hub bores. Note that Series B103 units permit axial hub movement during installation. In contrast, the extended flange on Series B106 units results in an axially fixed hub position during assembly. When reinstalling a used unit, make sure that all slits are aligned. The frictional torque capacity of these devices is based on a coefficient of friction of 0.12 for lightly oiled screw, taper, shaft and bore contact areas.

Therefore, it is important *not* to use Molybdenum Disulfide (e.g., Molykote, Never-Seeze or similar lubricants) in any Keyless Bushing installation.

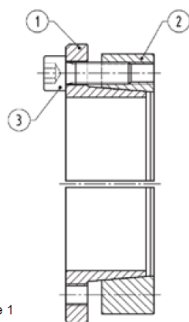


Figure 1

1. Make sure that locking screw, taper, shaft and bore contact areas are clean and lightly oiled with a light machine oil and that all collar slits are aligned.
2. Loosen all locking screws by a minimum of four (4) turns and transfer at least three (3) screws into push-off threads in order to keep Parts 1 and 2 separated during assembly (see Figure 2).
3. After inserting Keyless Bushing into hub bore, relocate locking screws used for separating Parts 1 and 2.
4. Hand tighten locking screws and confirm that collar Item 1 is parallel and in full contact with face of part to be attached to shaft.
5. Use torque wrench and set it approximately 5% higher than specified tightening torque (M_a). Tighten locking screws in either a clockwise or counterclockwise sequence (it is not necessary to tighten in a diametrically opposite pattern), using only 1/4 (i.e., 90°) turns for several passes until 1/4 turns can no longer be achieved.
6. Continue to apply over torque for 1 to 2 more passes. This is required to compensate for a system-related relaxation of locking screws since tightening of a given screw will always relax adjacent screws. Without over torquing, an infinite number of passes would be needed to reach specified tightening torque.
7. Reset torque wrench to specified torque (M_a) and check all locking screws. No screw should turn at this point, otherwise repeat Steps 6 and 7.

NOTE: 1. It is not necessary to re-check tightening torque after equipment has been in operation.

2. The torque capacity of these units can be increased by approximately 25% by thoroughly cleaning the shaft and Keyless Bushing bore of any lubricant. In applications subject to extreme corrosion, the slits in all collars should be sealed with a suitable caulking compound or equivalent. Likewise, push-off threads should be protected from corrosion.

INSTALLATION OF B-LOC® KEYLESS BUSHING OVER SHAFT KEYWAYS

The Keyless Bushing should be positioned so that slits in Keyless Bushing collars that contact the shaft are located approximately opposite the keyway. In addition, a locking screw should be centered directly over the keyway.

When tightening locking screws, it is important to follow the installation procedure outlined above, which specifies equal 1/4 turns of each locking screw. Failure to follow these instructions could result in excessive tightening of the screw over the keyway, possibly causing permanent deformation of the Keyless Bushing collars.

REMOVAL

(Refer to Figure 2)

Prior to initiating the following removal procedure, check to ensure that no torque or thrust loads are acting on the Keyless Bushing, shaft or any mounted components.

IMPORTANT! Make sure ends of locking screws used for removal are

1. Check to ensure that axial movement of collars - necessary for release of connection - is not restricted. Likewise, ensure that push-off threads are in good condition.
2. Relax all locking screws by approx. four (4) complete turns and transfer screws to all push-off threads located in flange of collar Item 1.
3. Release connection by evenly tightening all push-off screws (not exceeding 1/4 turns) in a diametrically opposite sequence.

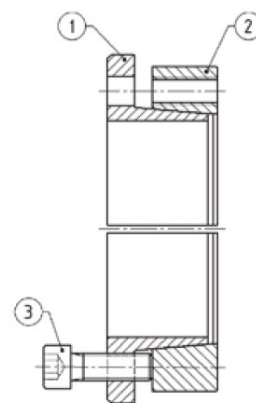


Figure 2

ground flat and are slightly chamfered to prevent damage to screw and collar threads during push-off.

LOCKING SCREW SIZES AND SPECIFIED TIGHTENING TORQUE M_a

Metric Series	Inch Series	Tightening Torque M_a (ft lb)		Screw Size	Hex Key Size (mm)
		B106	B103		
20 x 47 to 40 x 65	3/4 to 1-1/2	12	10	M6	5
45 x 75 to 65 x 95	1-5/8 to 2-9/16	30	25	M8	6
70 x 110 to 95 x 135	2-11/16 to 3-3/4	60	50	M10	8
100 x 145 to 120 x 165	3-15/16 to 4-3/4	105	90	M12	10
130 x 180 to 200 x 260	4-15/16 to 8	166	135	M14	12
220 x 285 to 260 x 325		257	219	M16	14
280 x 355 to 300 x 375		350	290	M18	14
320 x 405 to 340 x 425		500	420	M20	17
360 x 455 to 400 x 495		675	560	M22	17

Sentry 4.0 Installation

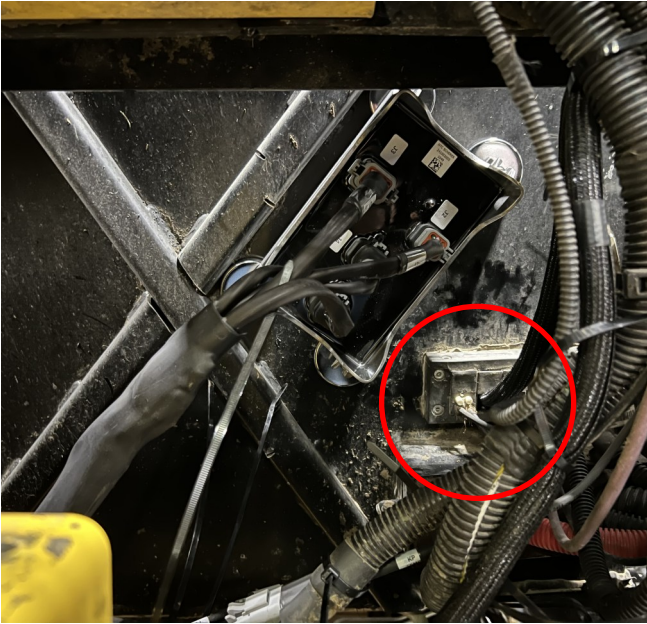


Image 1



Image 2

- 1.) Fish the plugs for both the power and screen unit through the firewall on the back of the cab. There is a port on the right hand side of the blower, behind the greaser where this can be done. (Circled in Image 1)
- 2.) The control module can be placed in a convenient location with the magnetic feet, away from moving components or pinch points. (Image 1)
- 3.) Inside the cab the European cigarette lighter adapter is used in the Sentry to provide power to the Sentry unit (Image 2).
- 4.) Connect the harness plugs to their corresponding sockets on the control module, KP, and inside the cab.

NOTE: The plugs are labeled for installation (pg. 16)

Sentry 4.0 Installation

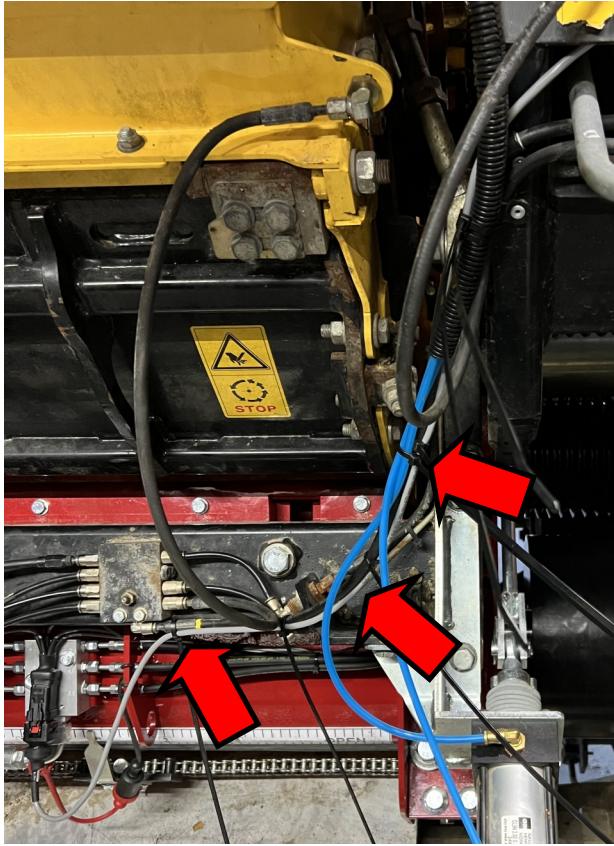


Image 3



Image 4

- 5.) Secure the loose wires to existing lines on the harvester (Image 3)
- 6.) Mount the Sentry 4.0 unit onto the "A" Pillar or other desired location using the swivel mount (Image 4).
- 7.) After securing all components and connections, check sensor readings.

NOTE: 1.) The magnetic switchboard has a green indicator light for power.
2.) The power source is not switched. The Sentry must be turned off when machine is sitting over night.

Sentry 4.0 Harness Layout

The Sentry 4.0 comes standard for monitoring the kernel processor bearing temperatures but also has the following capabilities.

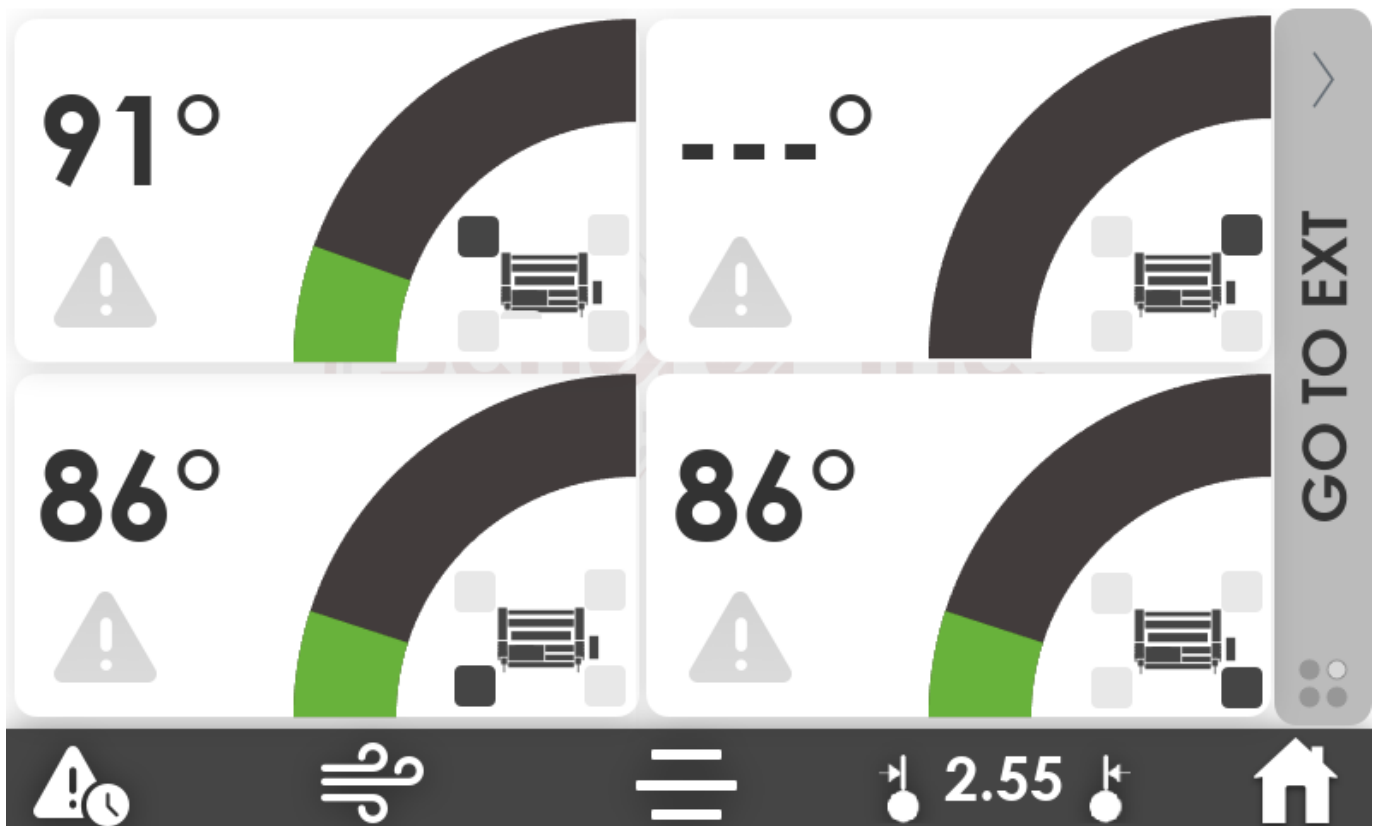
- Temperature monitoring of the cutter & accelerator bearings

The Sentry 4.0 harness comes ready to have any of the additional features hooked up. To add on any of the features, an operator must buy the needed cable and go into the system settings to activate the desired feature. The Sentry 4.0 harness has labeled break outs for all the features offered. The corresponding cables for these features are the following.

- Right Accelerator - SPL10230
- Left Accelerator - SPL10231
- Right/Left Cutter - SPL10232



Sentry 4.0 Operation



The main page for the Sentry 4.0 can be seen above. The quadrants represent the bearing temperatures on the kernel processor.

Top Left - Front left bearing

Top Right - Front right bearing

Bottom Left - Rear left bearing

Bottom Right - Rear right bearing

The icons on the bottom of the main page from left to right represent the following: bearing alarms, air dryer, general, remote adjust, and home page. The side bar that reads GO TO EXT, will take the operator to the page that shows the Extended Sentry bearing temperatures.

If a sensor is **DISCONNECTED OR DAMAGED** the quadrant will be grey and not show a temperature reading like the top right quadrant above.

Sentry 4.0 Operation

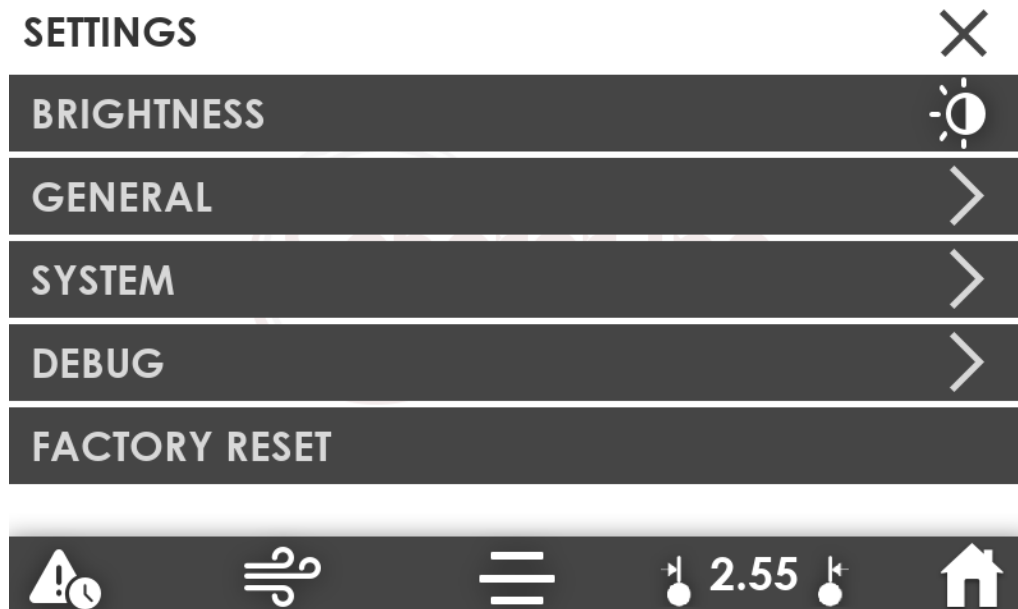


The third page of the Sentry 4.0 the idle pulley bearing temperature is displayed.

The icons on the bottom of the third page from left to right represent the following: bearing alarms, air dryer, general, remote adjust, and home page. The side bar that reads GO TO EXT, will take the operator to the page that shows the Extended Sentry bearing temperatures. The side bar that reads GO TO 8-UP, will take the operator to a page with all of the kernel processor temperatures as well as the Extended Sentry bearing temperatures.

If a sensor is **DISCONNECTED OR DAMAGED** the quadrant will be grey and not show a temperature reading.

Sentry 4.0 Settings Page

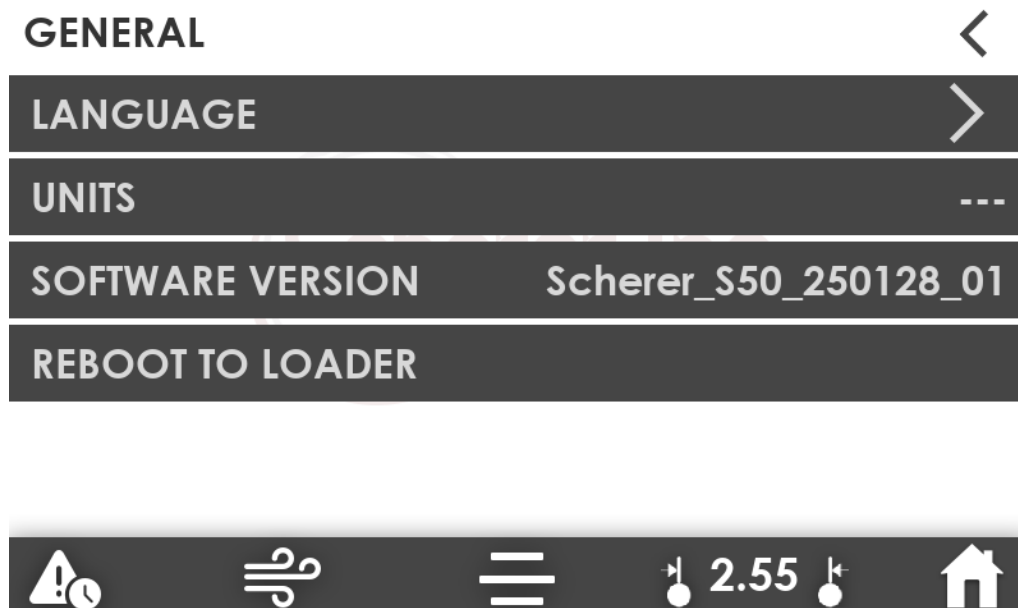


Brightness - Adjust brightness.

General - Sub page with other selections.

System - Sub page with other selections.

Debug - Can be used to trouble shoot.



Language - Multiple languages to select from.

Units - Can choose between metric or imperial.

Software Version - This is not a selection but shows the systems software version

Reboot To Loader - This feature is utilized when updating the system with new software

System Settings

SYSTEM



TEMP PROFILE

OIL

DATA LOG



EXPORT ALARM TIMES

EXTENDED SENTRY ALARMS



SENTRY 4.0 OPTIONS



Temp Profile - Can change the system between oil & grease bearings.

Data Log - This will record the temperatures of the bearings.

Export Alarm Times - A user can export the alarms times to a USB drive.

Extended Sentry Alarms - A user has the ability to set there own alarm setpoints.

Sentry 4.0 Options - This option allows a user to decide what additional features they want active.

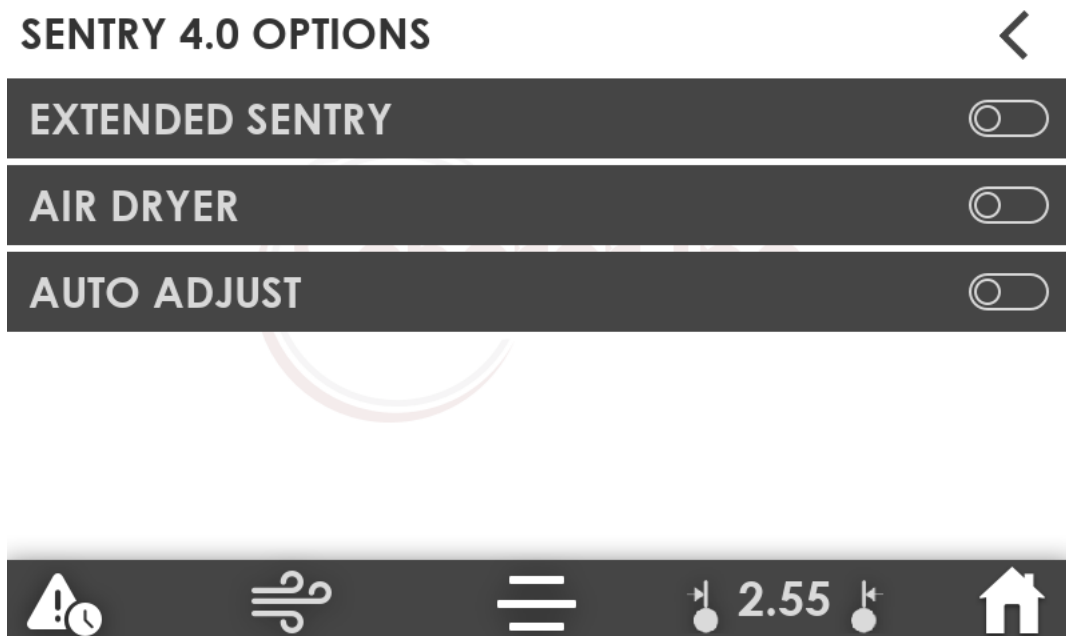
Sentry 4.0 Options

From the system settings menu an operator can select sentry 4.0 options and activate the features they have hooked up.

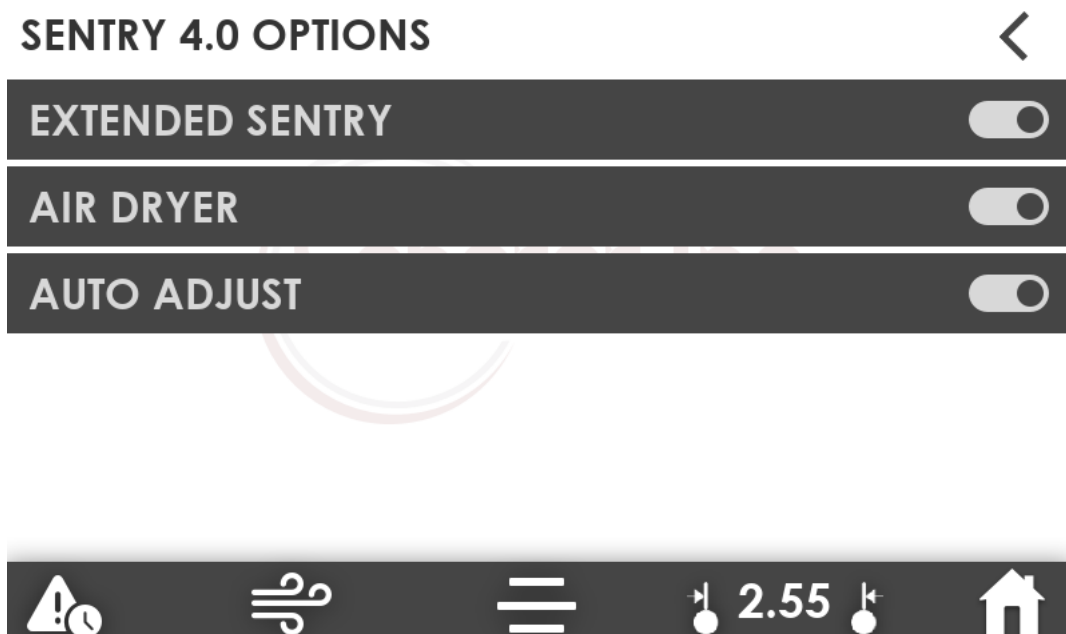
Extended Sentry - Monitors bearing temperatures for cutter & accelerator bearings.

Air Dryer - Removes moisture from the machines air system.

Options not active

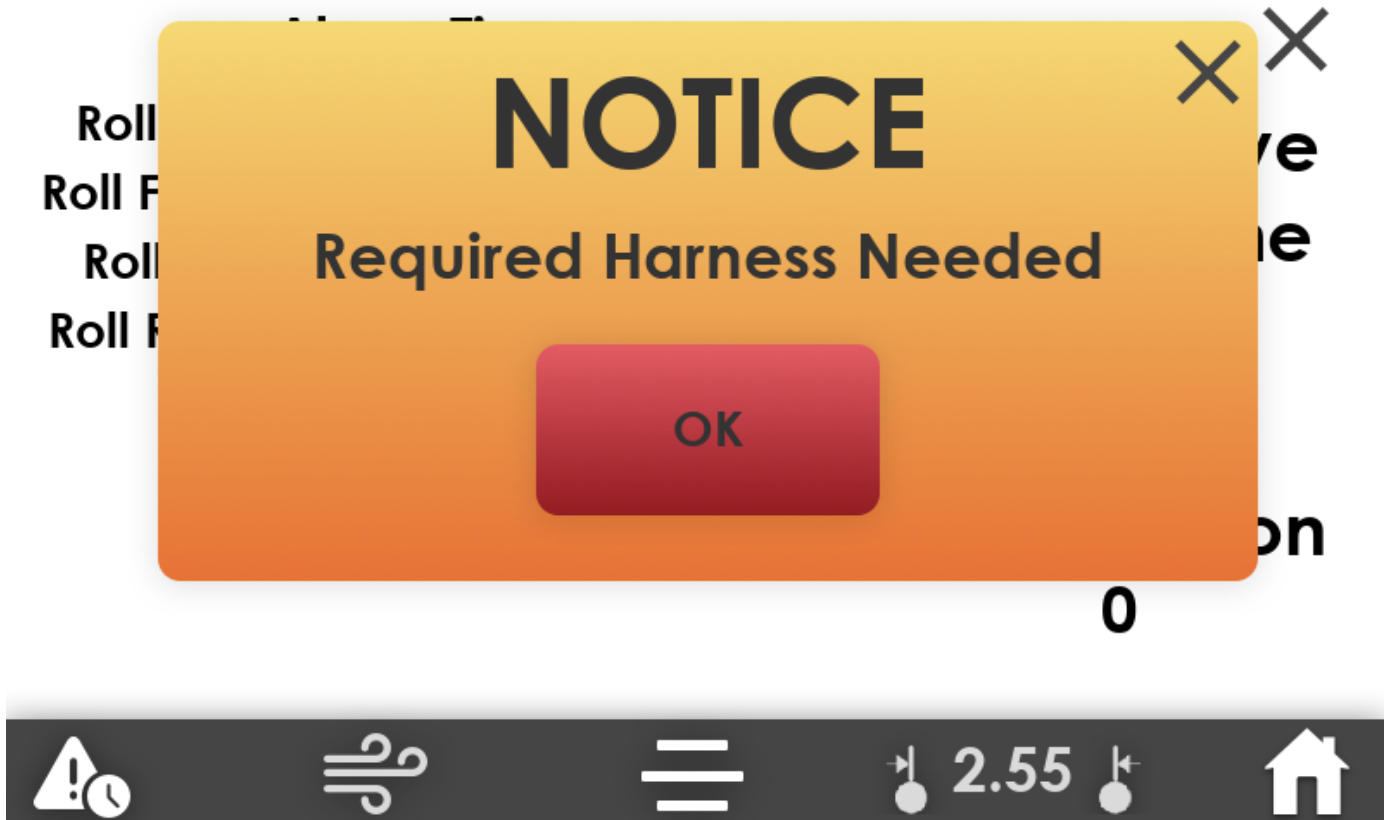


Options active

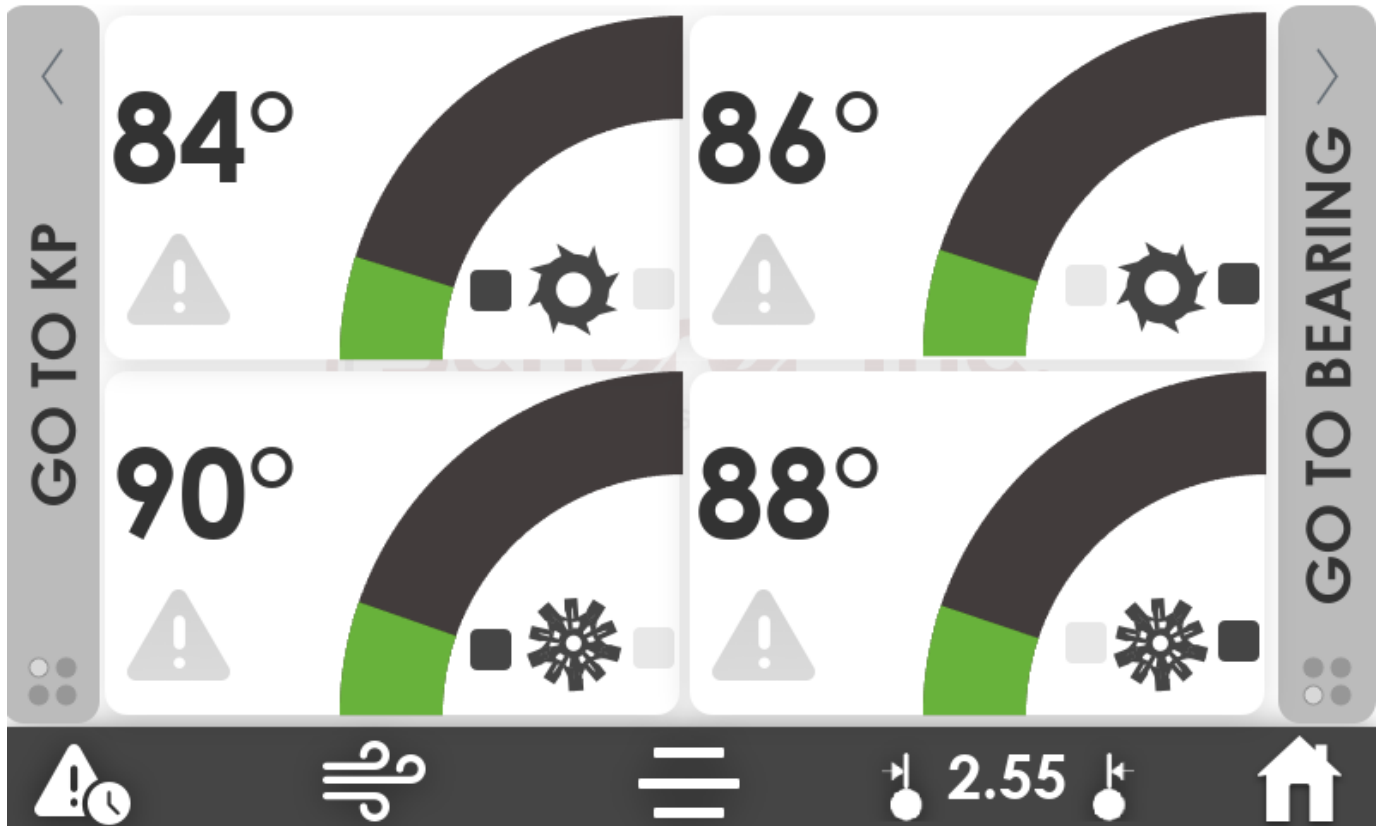


Sentry 4.0 Options

If one of the three Sentry 4.0 options icon is selected but is not activated on the Sentry 4.0 options page the following pop up will occur. This is indicating that the required components for the add on features are needed & the feature needs to be activated.



Extended Sentry



The Extended Sentry offers a user the ability to monitor the temperature of the cutter head and accelerator bearings. The quadrants above represent the following.

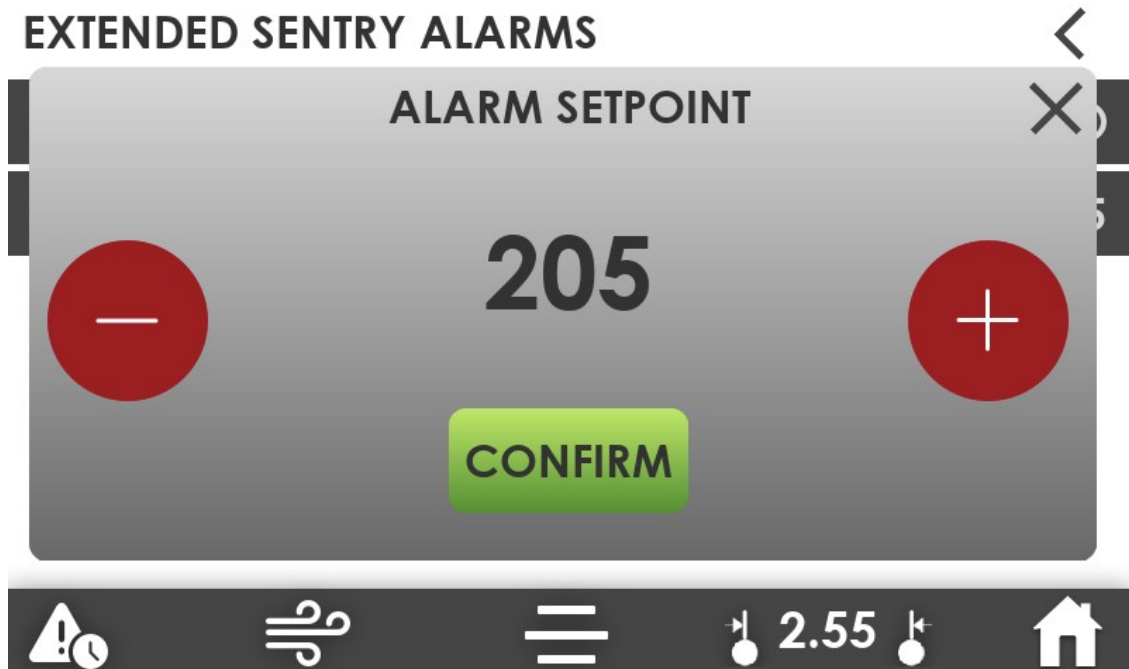
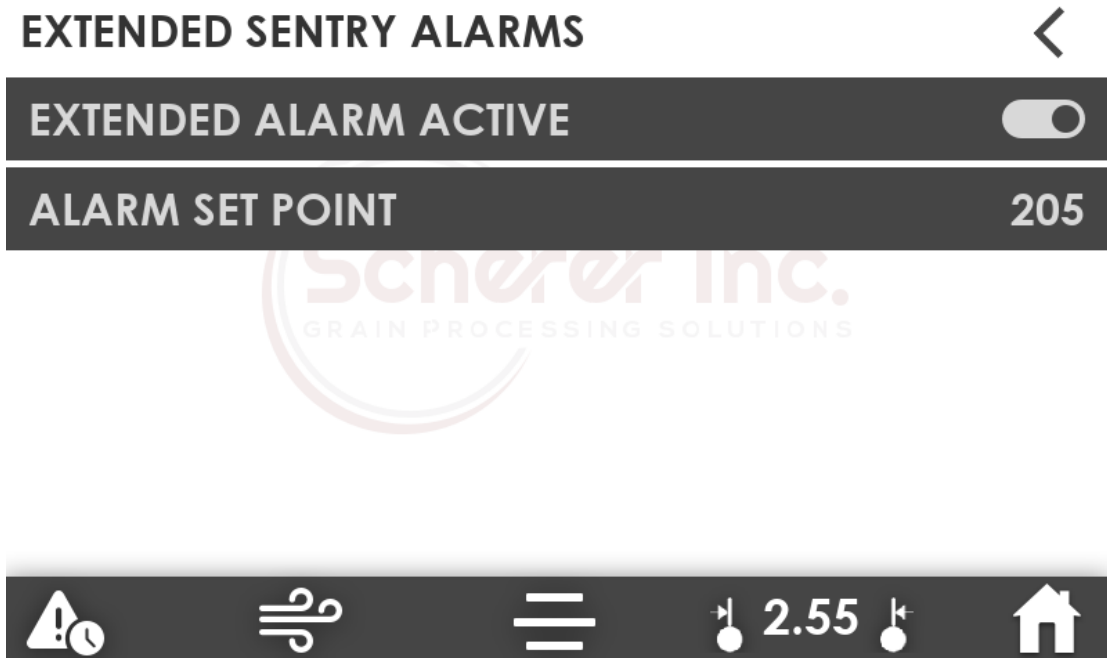
Top left - Left cutter head bearing

Top right - Right cutter head bearing

Bottom left - Left accelerator bearing

Bottom right - Right accelerator bearing

Extended Sentry Alarms



On the extended sentry alarms page a user has the ability to activate or deactivate the alarm for the Extended Sentry bearings. The extended sentry alarm set point will come set at 205 °F. The user has the ability to change the alarm set point . **SCHERER INC IS NOT RESPONSIBLE FOR AN ACCELERATOR OR CUTTER HEAD BEARING FAILURE.**

Bearing Alarms

Similar to the Sentry 2.0, the Sentry 4.0 has set alarms for the kernel processors bearings. Oil lubricated kernel processors have different set alarms than grease kernel processors. It is important to make sure your Sentry 4.0 system is set to the correct lubrication.

Oil Kernel Processor

Warning (Yellow) - 205

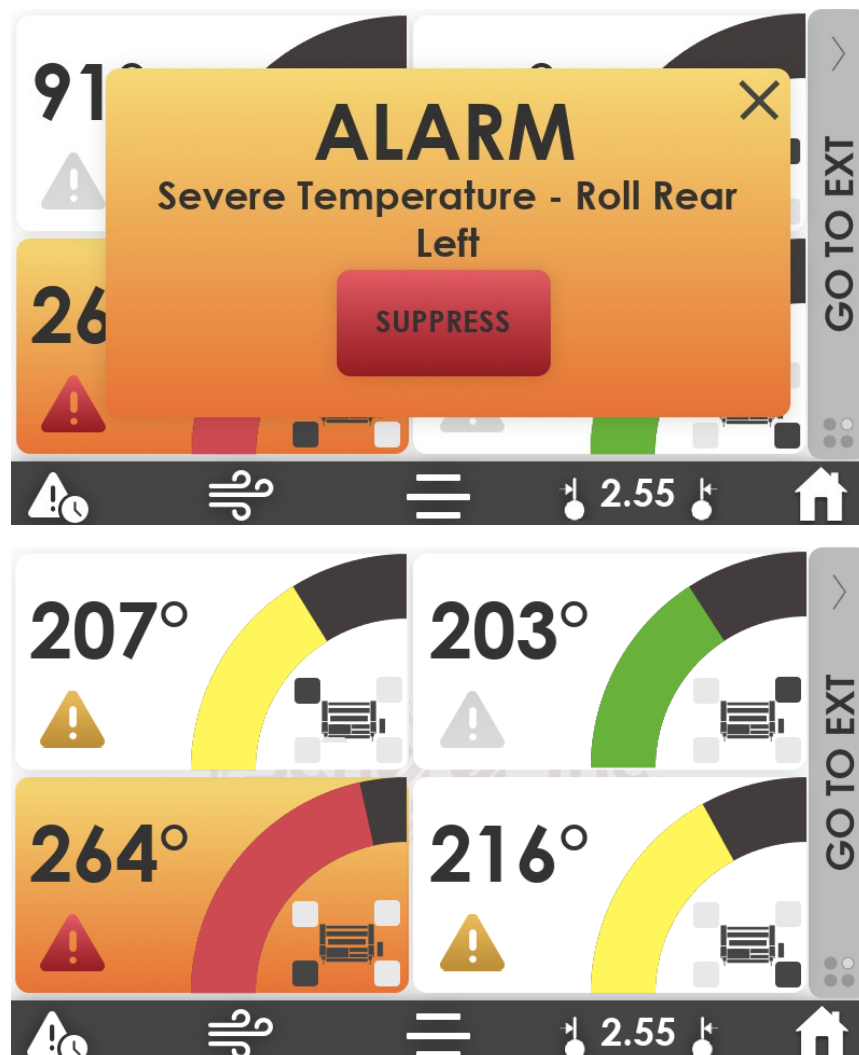
Alarm (Red) - 225

Grease Kernel Processor

Warning (Yellow) - 260

Alarm (Red) - 290

When the temperature threshold gets into the red an alarm will go off and a screen will appear giving the user the opportunity to suppress the alarm. The alarm suppression will only work for a few moments. If the bearing is continually ran in the severe temperature threshold, the alarm will continue to go off.



Bearing Alarm Times

Every time a bearing temperature goes into the set thresholds that time is recorded in the alarm times section. This feature can be accessed by selecting the alarm symbol in the bottom left corner on the main page.

Alarm Times



Roll Front Left:	00:02:32	--:--:--
Roll Front Right:	--:--:--	--:--:--
Roll Rear Left:	--:--:--	00:05:23
Roll Rear Right:	00:02:32	--:--:--
Cutter Left:	--:--:--	
Cutter Right:	--:--:--	
Blower Left:	--:--:--	
Blower Right:	--:--:--	
Idle Pulley:	--:--:--	

Cumulative Alarm Time

00:05:23

Alarm Suppression

5

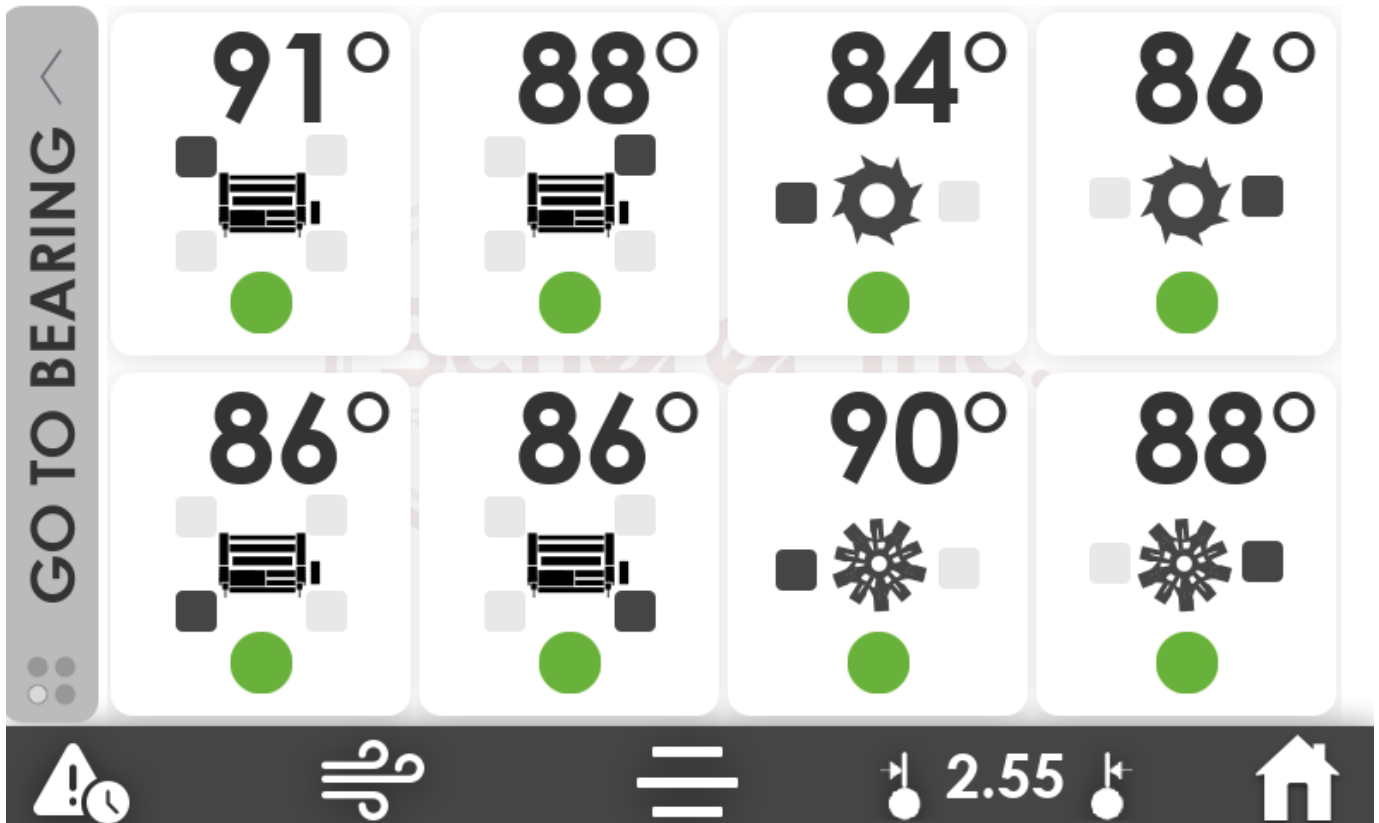


2.55

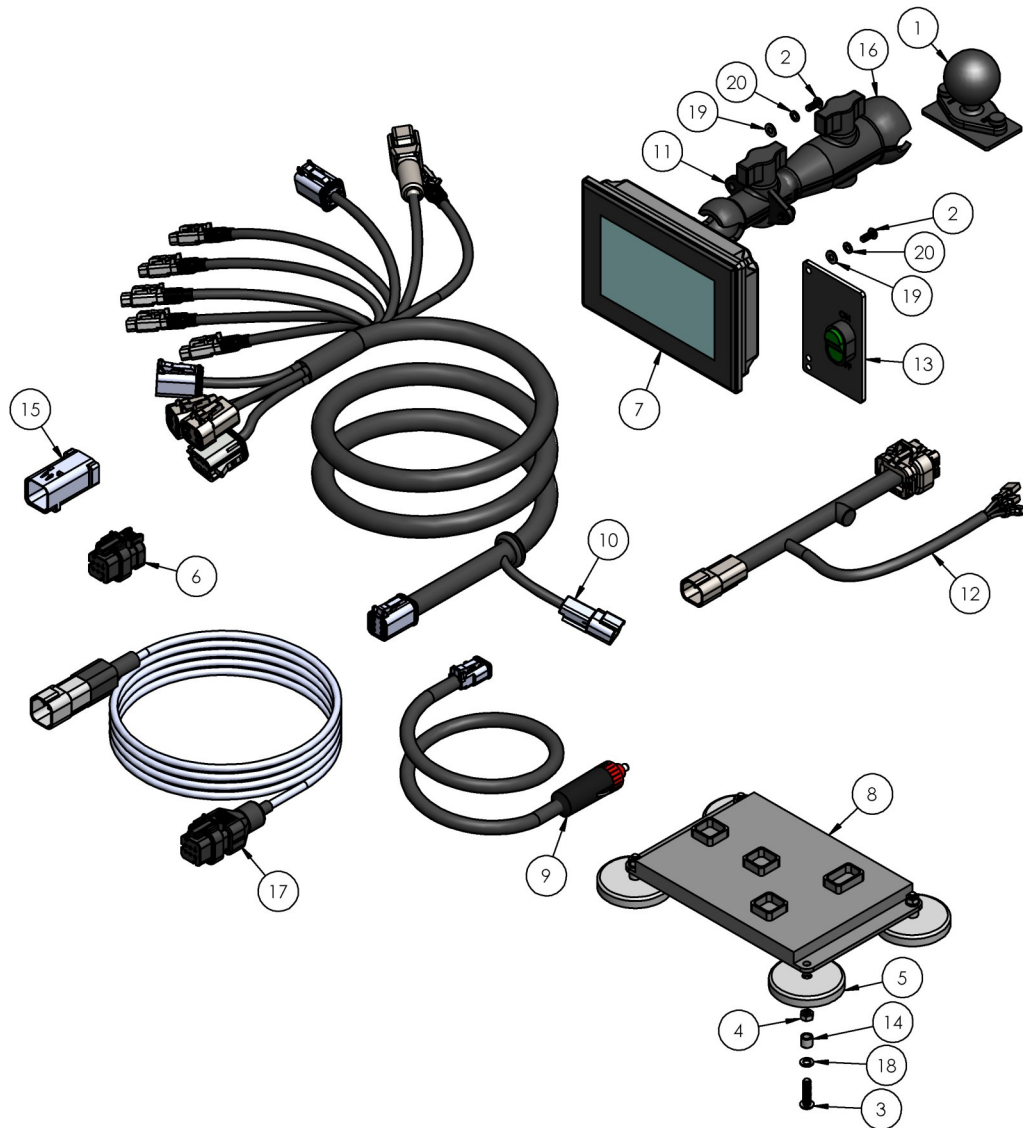


Temperature Screen

An operator has the option of viewing all four kernel processor bearing temperatures and all four Extended Sentry temperatures on the same screen. To do so select the grey side bar on the main page . This selection will need to be selected three times. The first selection will bring up the Extended Sentry alarms, second will bring up idle pulley, and the third will bring up the 8 temperature page.



Scherer Sentry 4.0 - ASM10685



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	47949738	RAM® DIAMOND BALL BASE W/ BACKING PLATE-1.5" BALL	1
2	BLT10237	BUTTON HEAD SCREW	4
3	BLT10238	BOLT	4
4	NUT10069	NUT	4
5	PM21004.1	MAGNET	4
6	PM22010	PLUG CAP ASSEMBLY	1
7	SPL10253	OVS50 DISPLAY	1
8	SPL10254	SENTRY 4.0 CONTROL MODULE	1
9	SPL10255	POWER CABLE	1
10	SPL10256	SENTRY 4.0 HARNESS	1
11	SPL10278	BALL MOUNT	1
12	SPL10312	HARNESS JUMPER	1
13	SPL10313	ON/OFF SWITCH	1
14	SPL10327	SPACER	4
15	SPL10350	KP CABLE CAP	1
16	SPL10405	MOUNTING ARM	1
17	SPL10493	KP CABLE	1
18	WSH10015	LOCK WASHER	4
19	WSH10052	FLAT WASHER	4
20	WSH10053	LOCK WASHER	4

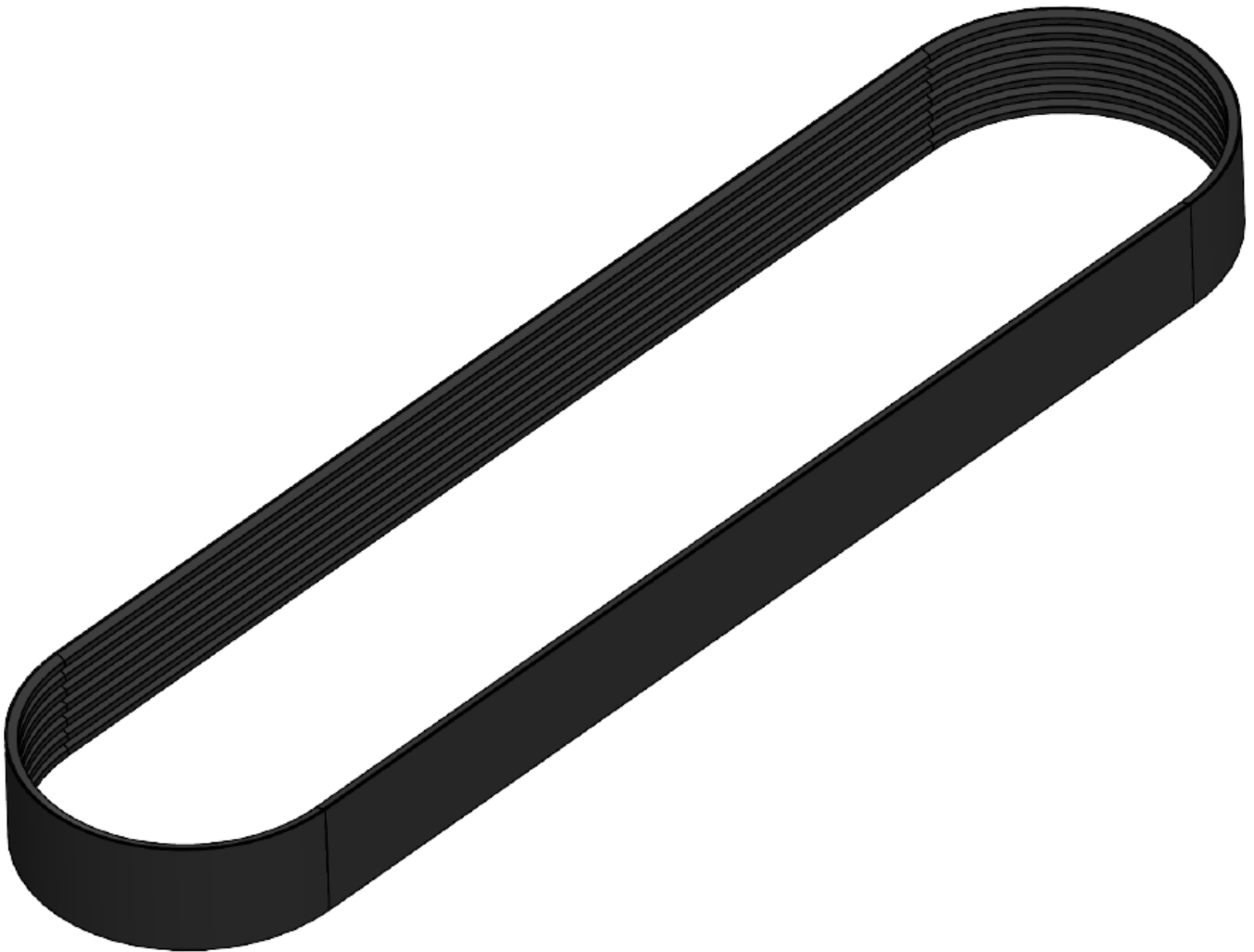
BELT OPTIONS

Belt	Current Scherer Part #	Model Year
7 Groove	SCHB10007	Pre-2019 / With Scherer Drive
7 Groove	SCHB10009	Post-2019

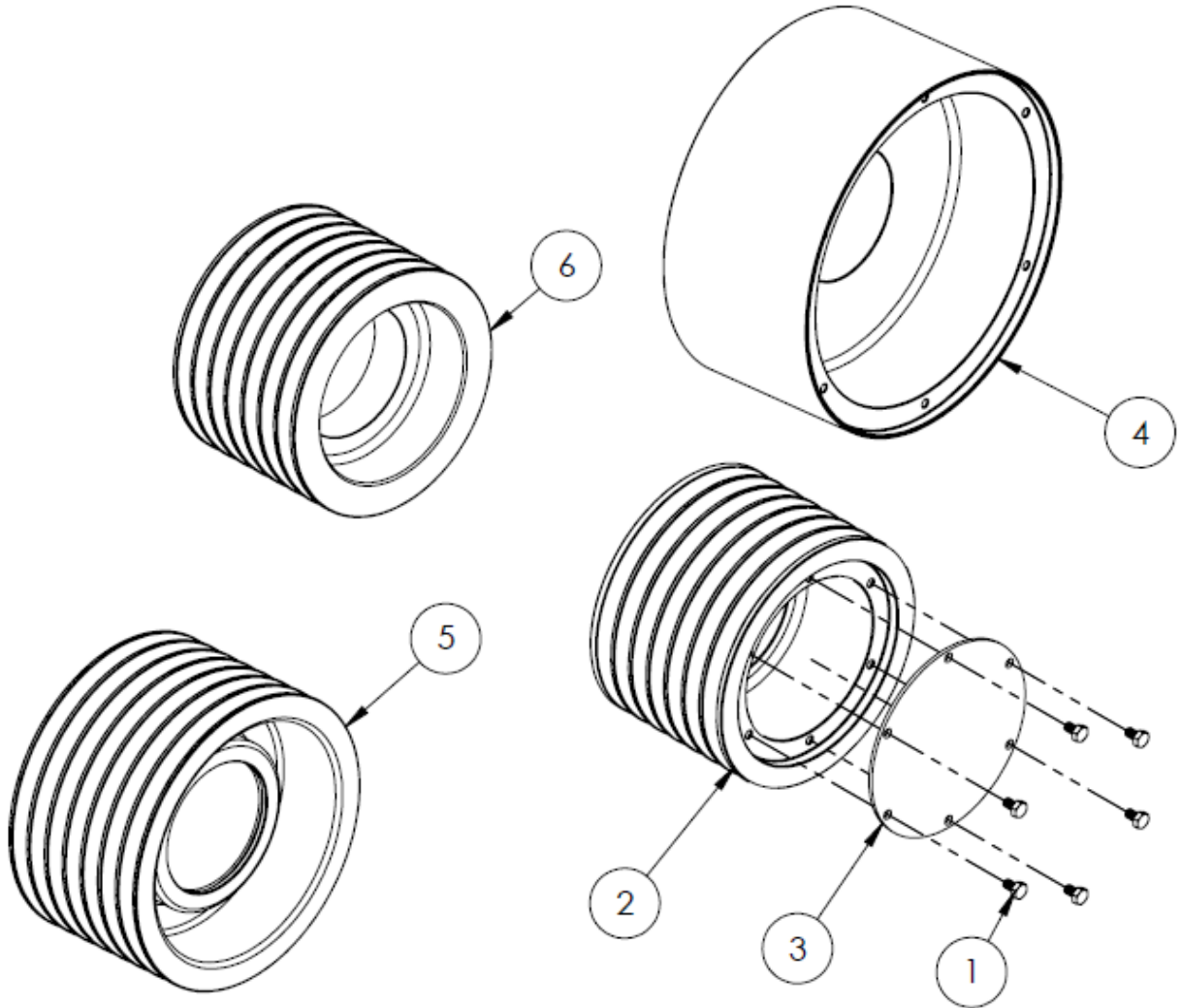
Information necessary to determine which KP Belt is needed:

- Machine Model Year

*The Duracracker machine's 8 groove accelerator pulley is still used, but only 7 grooves will be utilized.



7 Groove Pulley Parts



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
BASE CONFIGURATION IS 40% DIFFERENTIAL			
1	BLT10112	HEX HEAD BOLT	6
2	PRT10686	7 GR GROOVED PULLEY 175MM	1
3	PRT10145	DRIVE PULLEY COVER	1
4	PRT10690	7 GROOVE SMOOTH PULLEY 250MM	1
5	PRT10137	7 GROOVE IDLER PULLEY	1
TO ATTAIN 50% DIFFERENTIAL REPLACE PRT10686 WITH PART LISTED BELOW			
6	JDR1002-170	7 GROOVE PULLEY	1

Roll Gap Adjustment

Once the processor is installed in the cutter and some product has been run through it, you may need to adjust the roll gap. To do this, you will use the provided tool attached to the idle side frame. As you turn the bolt with the provided tool, watch the indicator. You will not be able to adjust the rolls closer than .5 mm (.02") because of the factory setting of the roll stops (prevents the rolls from hitting). **The processor is not intended to be run with the slide blocks against the roll stops.** The processor was set at the factory to 2mm. After you have a number of hours on your processor you may need to adjust your rolls together to compensate for wear. After a number of adjustments the adjustment bolts may become free from tension. If you still need to close your roll gap further, you may have to clean behind the bearing slide plates and adjust roll stop bolts to allow for more movement. Anytime the rolls are adjusted to compensate for wear the indicator can be adjusted accordingly. To do this a user will have to measure the gap between the rolls and then loosen the tensioner assembly into a position that places the pointer at the measured gap.

Maintenance Intervals

1) After your Scherer Processor is installed

- Set your roll gap (See “Roll Gap Adjustment” section)
- Pass product through the machine, at least 5 loads under full power.
- Adjust rolls to your processing needs; however, **The Scherer Processor is not intended to be run against the roll stops so adjust accordingly.**
- Check adjustments 5 to 10 hours later to ensure adjustments are holding at your desired position. Check pulley alignment and make sure locking hubs are firmly in place.
- If equipped with air tension kit, check air tension on drive belt and set air pressure according to specific model.

7-groove drive: 90 to 95psi

2) 50 Hours

- Grease adjustment bolt zerks on processor (2 pumps)
- Visually inspect for damage to springs, bolts, shafts, pulleys, wiring, oil lines, etc.

3) 250 Hours

- Visually inspect for damage to springs, bolts, shafts, pulleys, wiring, oil lines, etc.
- Roll back processor and visually inspect rolls, roll gap, and the overall condition of the processor.
- If roll gap is wider at one end, there is also a possibility that the rolls just need to be adjusted.
- If equipped with Scherer idle components, grease lower idle pulley on drive system, and tension pulley (2 pumps each)

4) End of Season (VERY IMPORTANT)

- End of season maintenance will help reduce bearing failures and greatly reduce down time while harvesting.
- Use air to clean off the Processor.

- If you decide to power wash the processor, **immediately dry the processor and open it to expose bearing housings and rolls after power washing.** There is a good possibility that water penetrated the seals of the bearing and bearing damage would be imminent. After power washing the processor, you can prevent bearing damage by immediately servicing the processor and following the next few steps.
- Remove the tops of the bearing housings with a soft mallet and inspect the condition of the oil and bearing. Be very careful with the mating surfaces of the castings since they are machined surfaces and keep the top half with the bottom half since they are machined as a mating pair and are numbered accordingly.
- If there is no contamination, clean bearing housings and replace the felt seals (HPR1009). (See “End of Year Roll Maintenance” section)
- If contamination is present, the bearing casting needs to be removed and cleaned thoroughly. The oil line and the temp sender should be removed in order to clean the casting. New felt can then be installed. The bearing may also need to be replaced if there is a substantial amount of contamination in the bearing casting. An inspection of the bearing rollers may also help determine if the bearing needs to be replaced.
- Make sure all bearings get fresh Scherer KP oil after they have been inspected or changed. See section “End of Year Roll Maintenance”.
- Inspect spool seal for wear.
- Rolls should be covered with a rust inhibitor to prevent corrosion. Corrosion on rolls may cause rolls to be out of tolerance, leading to vibration.

Schermist®

Replace Schermist® head gaskets every season (OM1026 — See Part Schermist® Head Rebuild section).

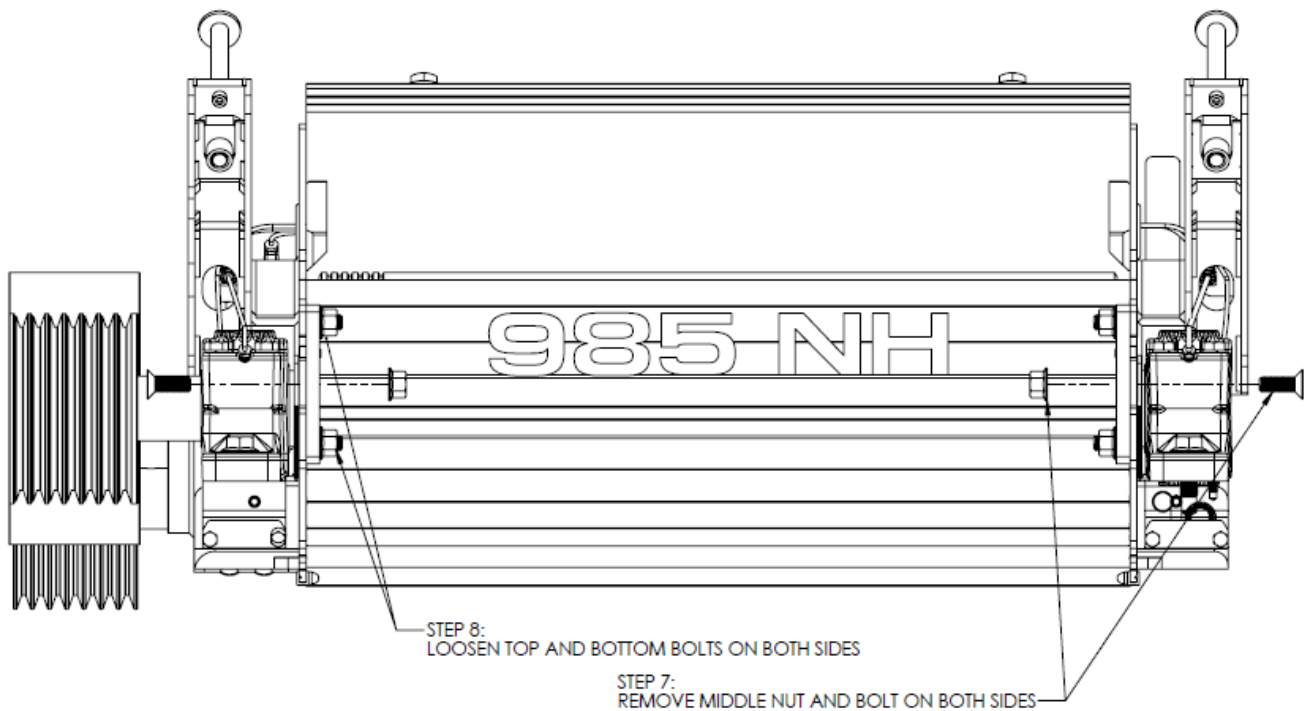
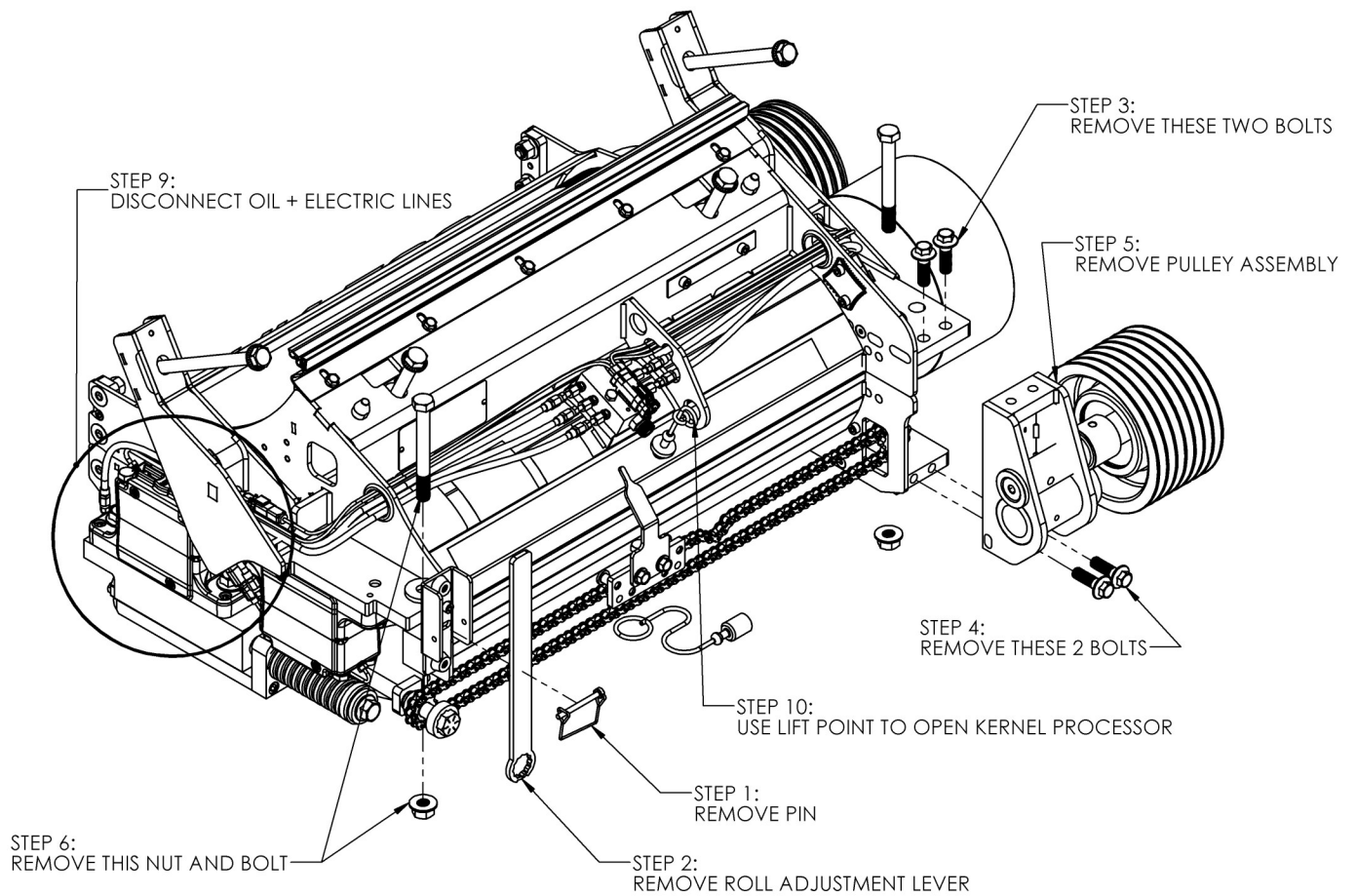
Recommended End of Year Parts Replacements

HPR1009	12X	Bearing Felt Seals
OM1026	1X	Schermist® Gasket Kit
ASM10674	1X	Cheek Plate Replacement Kit
ASM10673	1X	Bulb Seal Replacement Kit

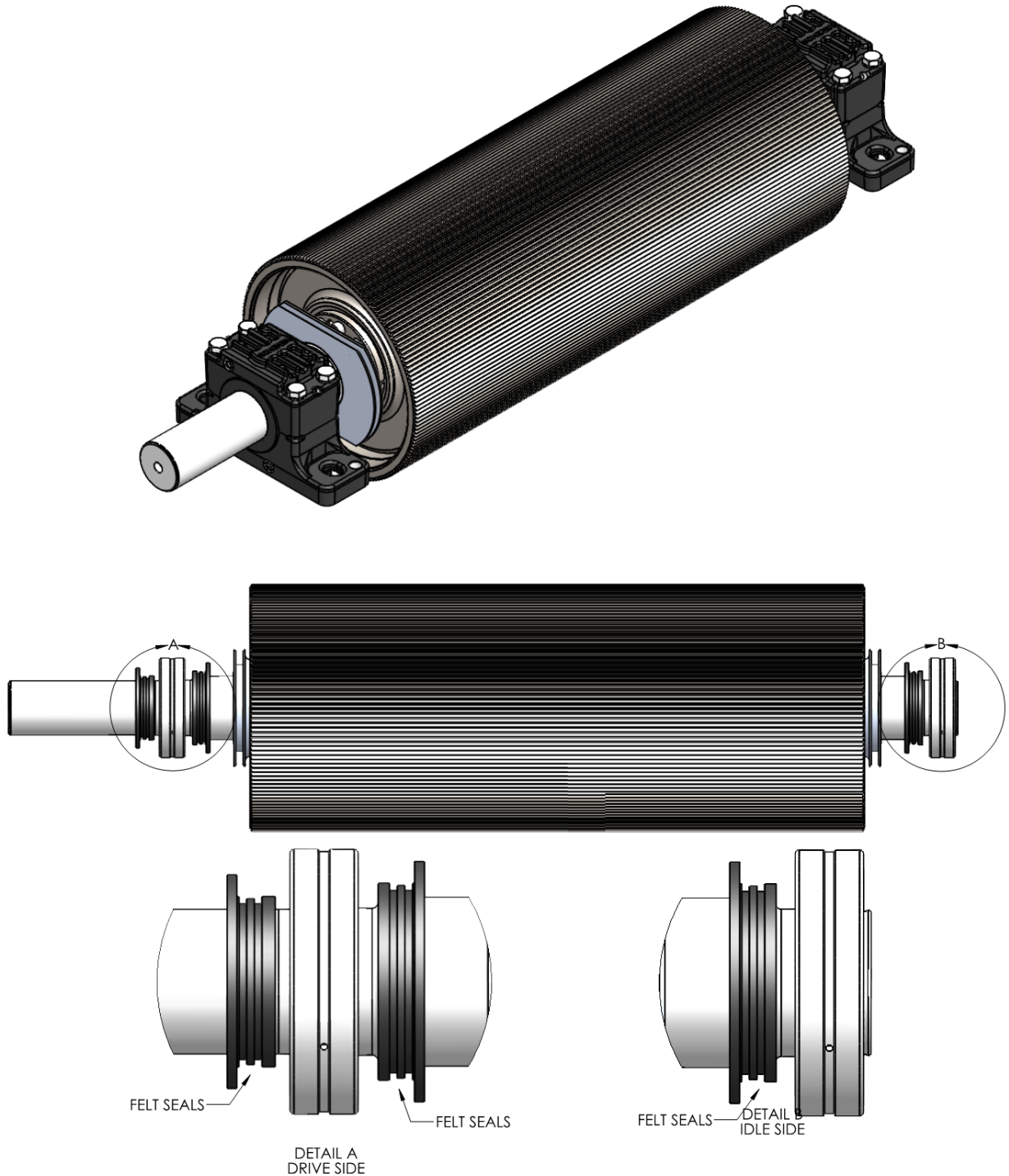
Roll Change Instructions

1. Remove processor from the forage harvester. An air wand will also help keep things clean and free from debris.
2. Take a measurement from the frame to the pulley on the roll to be replaced so you know where to place the pulley on the new roll since the pulley alignment is critical.
3. Clean the bolt heads of the locking hub and remove the pulley from the roll that needs to be replaced.
4. Open KP as per instructions on page 35.
5. Disconnect and remove the temp sensors and the oil line fittings from the bearing housings of the roll to be replaced.
6. Remove bearing housing bolts (BLT10052)
7. Install new roll using bearing housing shear bolts (BLT10015 apply anti-seize) torque - 12 ft-lbs. (16 Nm) to align the bearing housings. The drive side bearing housing will be locked in place, so align the drive side bearing first. The idle side bearing will slide within the bearing housings so the idle side bearing housing will be able to be slid into place and align with the bolt holes after the drive side is in place.
8. Install the bearing housing bolts (BLT10052 apply anti-seize) torque - 160 ft-lbs. (217 Nm).
9. Close the processor. Reverse steps from page 35. Watch oil lines and wires so they don't get pinched between the two KP halves of the frame.
10. Install the latch block bolt (BLT10182) torqued to 196 ft-lbs/ 266 Nm and install the idler pulley bracket bolts (BLT10258 apply anti-seize) as per page 35, torque to 111 ft-lbs/ 150 Nm. Snug all hardware before torquing each individual component.
11. Install and tighten the center hinge bolts (BLT10269). Then tighten the top and bottom hinge bolts (BLT10269).
12. Install oil fittings and oil lines as well as temp sensors.

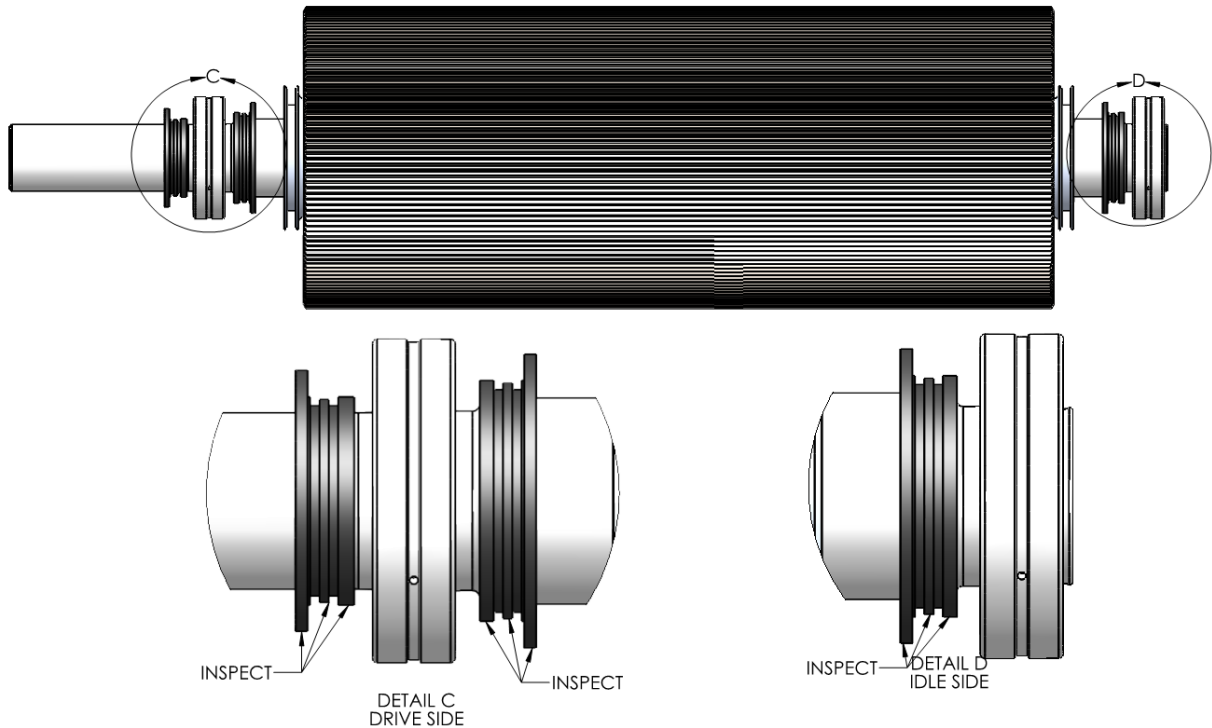
Processor Opening Process



End of Year Roll Maintenance



- At the end of the season it is highly recommended that KP roll housings are disassembled and inspected for debris and unusual wear.
- Located on the brass seals there are 6 felt seals (HPR1009) per roll. At the end of the season these need to be removed and replaced. **IF SERVICING A GREASE KP ROLL THERE WILL BE NO FELT SEALS. GREASE KP'S DO NOT USE FELT SEALS. THIS IS DONE TO ALLOW THE GREASE TO PURGE DURING OPERATION.**



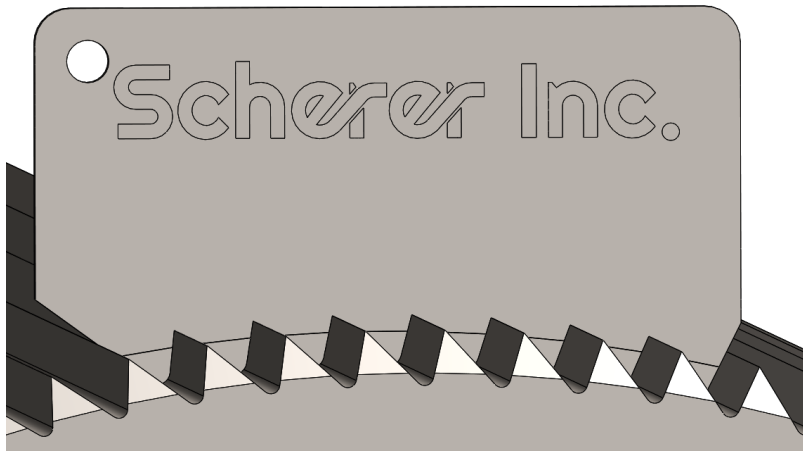
- With the felt seals removed inspect the brass seal surfaces for excessive wear or galling. If either excessive wear or galling is found, replace the components.
- The edges of the housings where the brass seals sit need to be inspected for wear and galling as well.
- With ISO 32 oil flush out the bearing housing cavity and the two roll bearings.
- After removal of the felt seals and inspection of the components the roll assembly can be rebuilt.
- Prior to installing the new felt seals soak them in ISO 32 oil.
- The new felt seals can be pressed into place with a flat screw driver. The green face of the felt will be facing out so that it contacts the brass seal. The ends of the felt can be trimmed with a utility knife so that the felt is flush with the edge of the housing.
- The housings can be reassembled and filled with 14.75 CC's of Scherer KP oil. This is equivalent to ISO 32 oil.
- Apply a thin coat of oil or some type of rust inhibitor to the roll corrugation to avoid corrosion.

Roll Life Measurement

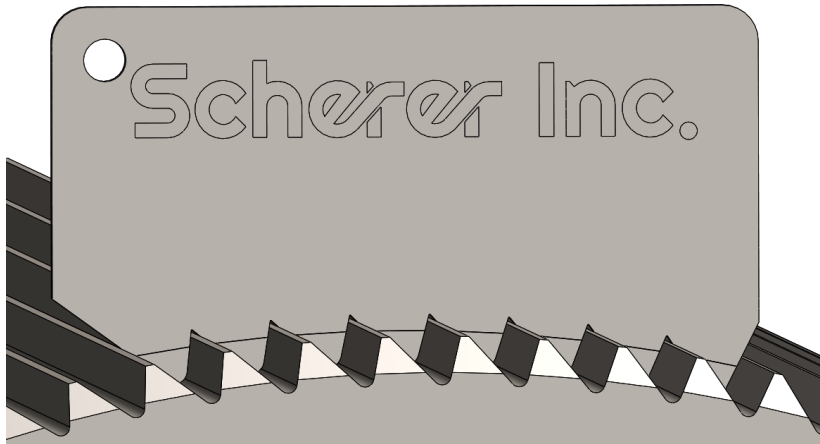
When servicing rolls at the end the season, roll profile gauges can be used to determine if the rolls have been worn out. When using the roll tooth gauges if the flat of the tooth is below the engraved line then the roll is past its recommend life.

The 985NH comes with an attached gauge, use the side corresponding to the tooth number of the roll to check roll life.

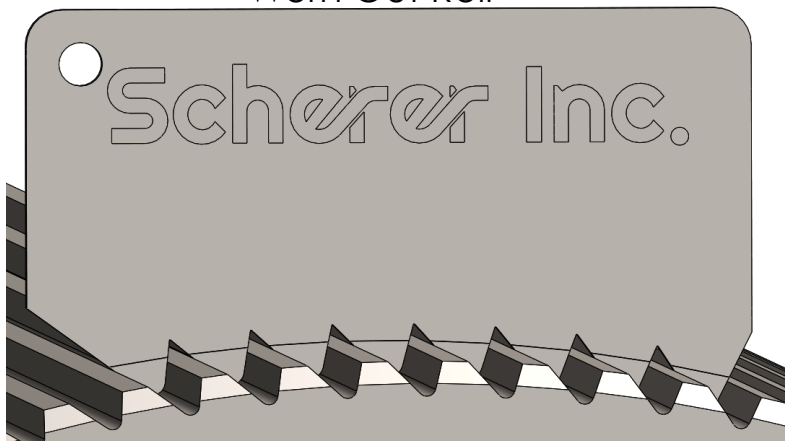
New Roll



Used Roll



Worn Out Roll



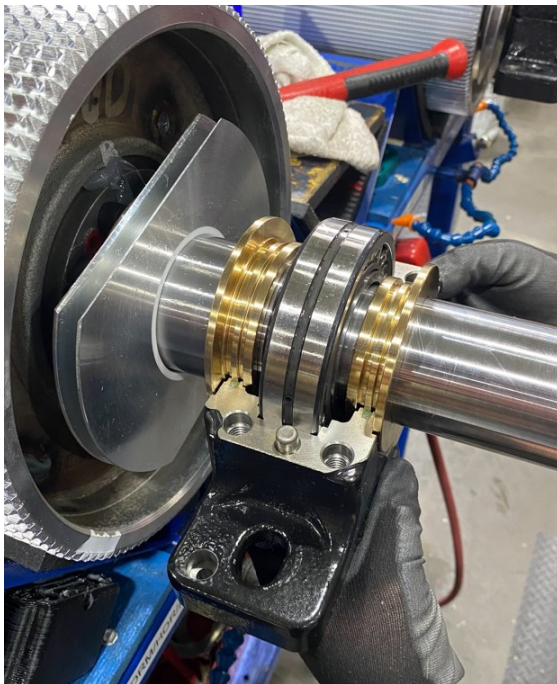
Roll Bearing Removal and Installation

1. To remove the roll bearing, the housing must be disassembled. Remove the 4 bolts on top of the housings. Tap on the feet of the lower housing with a soft mallet to separate the two halves.

***NOTE*: Housings are machined as matched sets. The two halves are engraved to show parity.**



2. Remove the outer brass seal and then use the bearing removal tool (A0022) to remove the bearing.



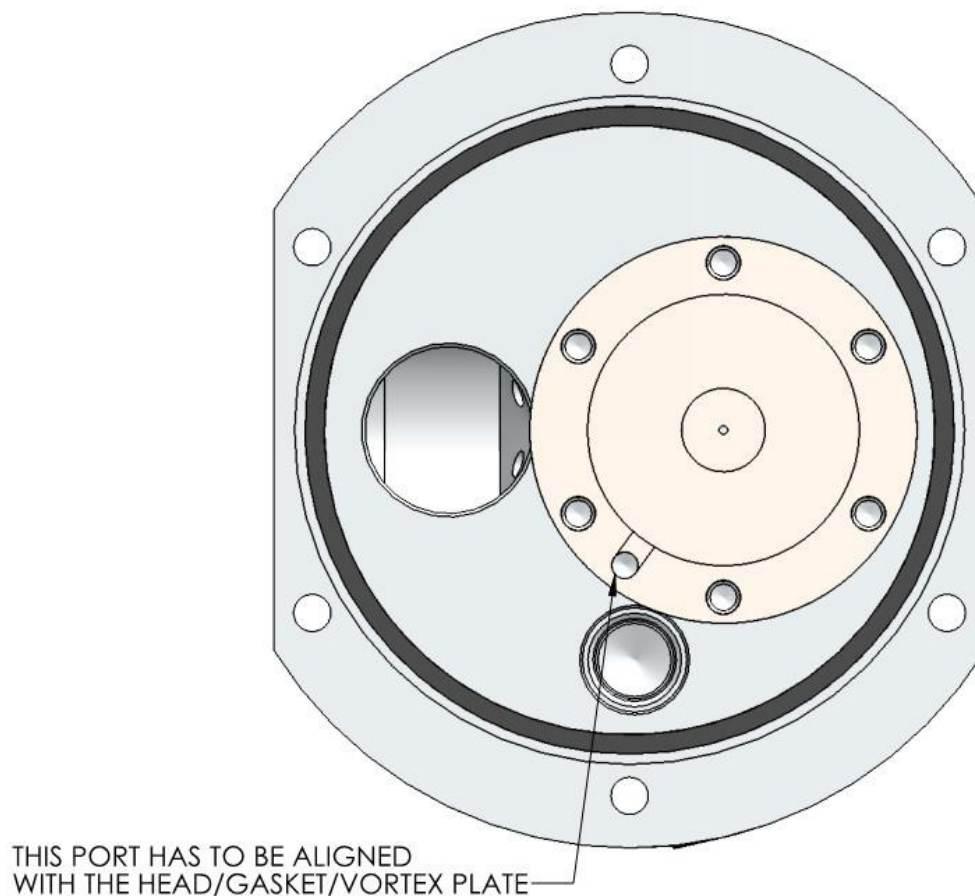
2. Remove inner brass housing seal and aluminum spool seal. Clean and inspect. Replace if any components show improper wear. Make sure to install the brass housing seal dry. **NO LUBRICANT**



3. Using the bearing heater (A0021) heat the bearing to 230 degrees F (110 degrees C). Using proper PPE (Personal Protective Equipment) take the bearing and slide it onto the shaft until it hits the machined step. If the bearing gets jammed, pull the bearing off again with the removal tool (A0022) and re-heat the bearing and install again. Reassemble the bearing housing and torque the housings bolts to 65 Ft-lbs (88Nm).



Schermist® Head Rebuild



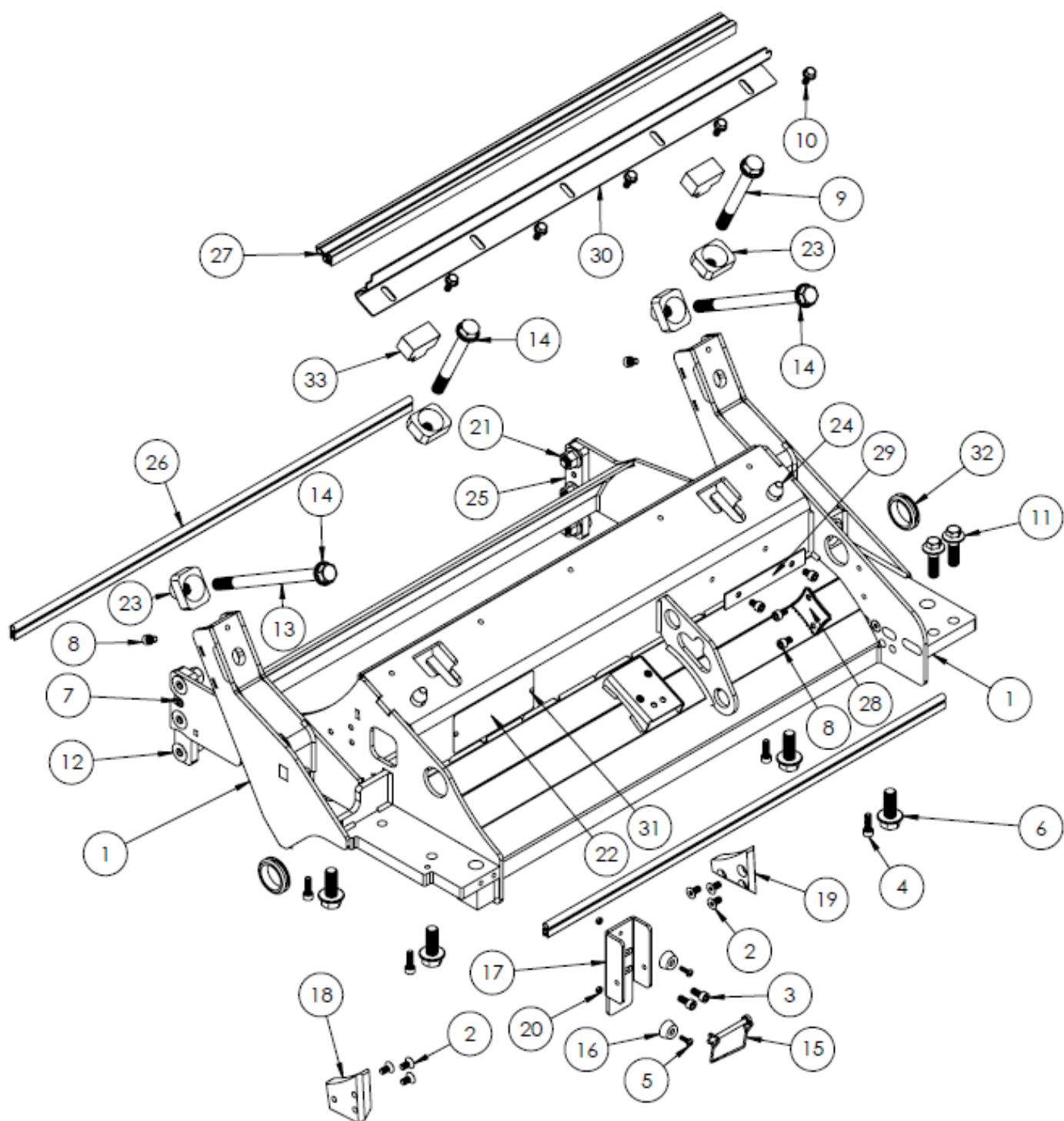
Cleaning Instruction:

1. After the oil tank head assembly has been removed from the oil tank reservoir, disassemble the parts as shown.
2. Clean all parts in a safe, clean solvent. Air dry after cleaning.
3. **CRITICAL ASSEMBLY FEATURE** Reassemble the parts as shown above. The oil port hole must align through all 3 components: Head / Venturi Gasket / Vortex Plate.
4. Reassemble head and torque the 6 screws to 3 Ft-lbs.
5. Install head gasket when installing the Schermist® head onto the oil reservoir.
6. If head is disassembled then venturi and head gasket have to be replaced. This kit can be purchased as OM1026

Important Torque Specifications

Part	Torque Ft-lbs	Torque Nm	Apply
Apply Anti-Seize			
BLT10015 (Bearing Housing Shear Bolt)	12	16	Anti-Seize
BLT10016 (Idler Bearing Mounting Bolt)	121	164	Anti-Seize
BLT10052 (Bearing Housing Mounting Bolt)	160	217	Anti-Seize
BLT10258 (Idler Pulley Bracket Bolt)	111	150	Anti-Seize
PRT10673 (Adjustment Bolt)	N/A	N/A	Anti-Seize
PRT10674 (Adjustment Bolt)	N/A	N/A	Anti-Seize
Apply Loctite-271			
PRT10792 (Spring Rod)	330	447	Loctite-271
BLT10108 (Hinge Stop Bolt)	N/A	N/A	Loctite-271/ Loctite SF 7649
SPL10002 (Idler Pulley Set Screw)	N/A	N/A	Loctite 271/ Loctite SF 7649
Apply Loctite-242			
BLT10112 (Pulley Cover Bolts)	6	8	Loctite-242
No Application			
BLT10182 (Latch Block Bolt)	196	266	N/A
BLT10190 (Locating Spud Mounting Bolt)	30	41	N/A

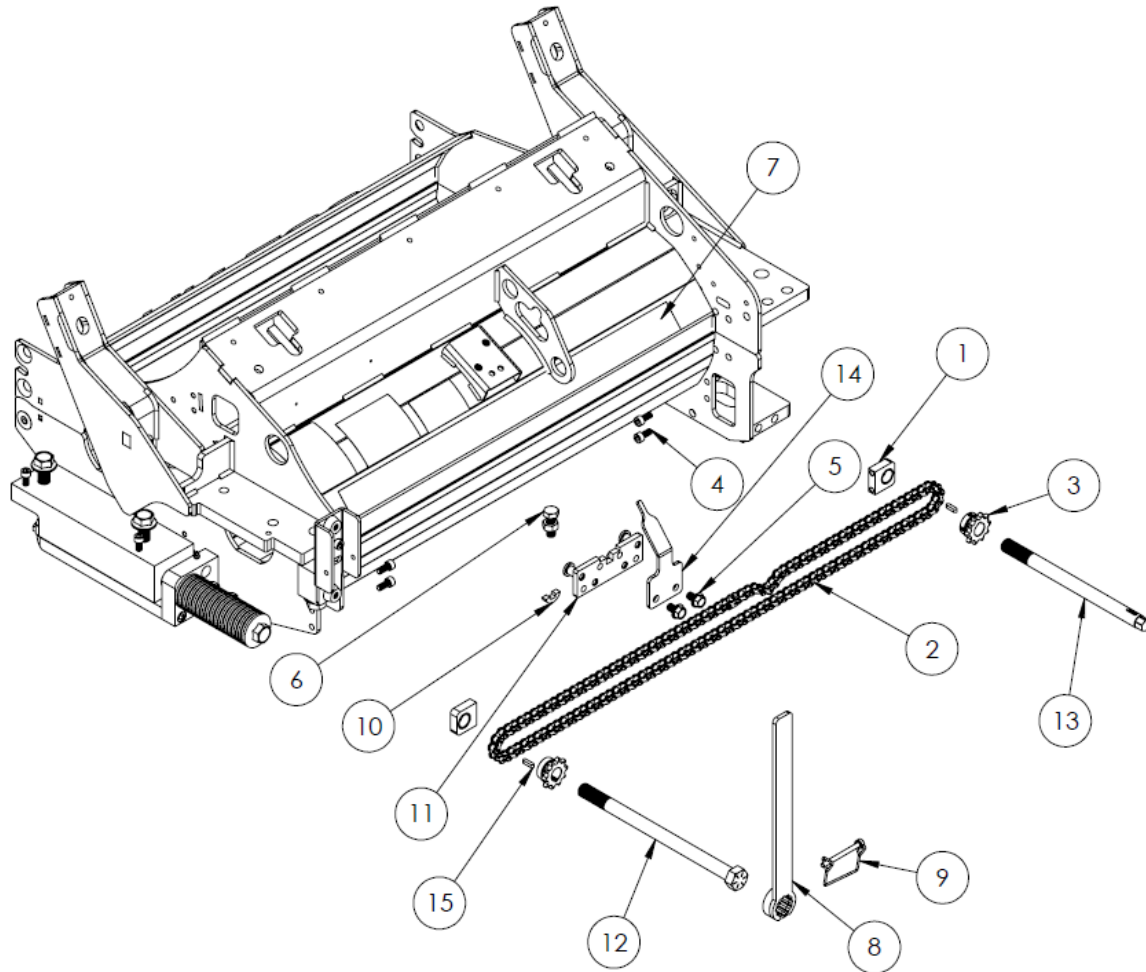
Top Frame



Top Frame Parts List

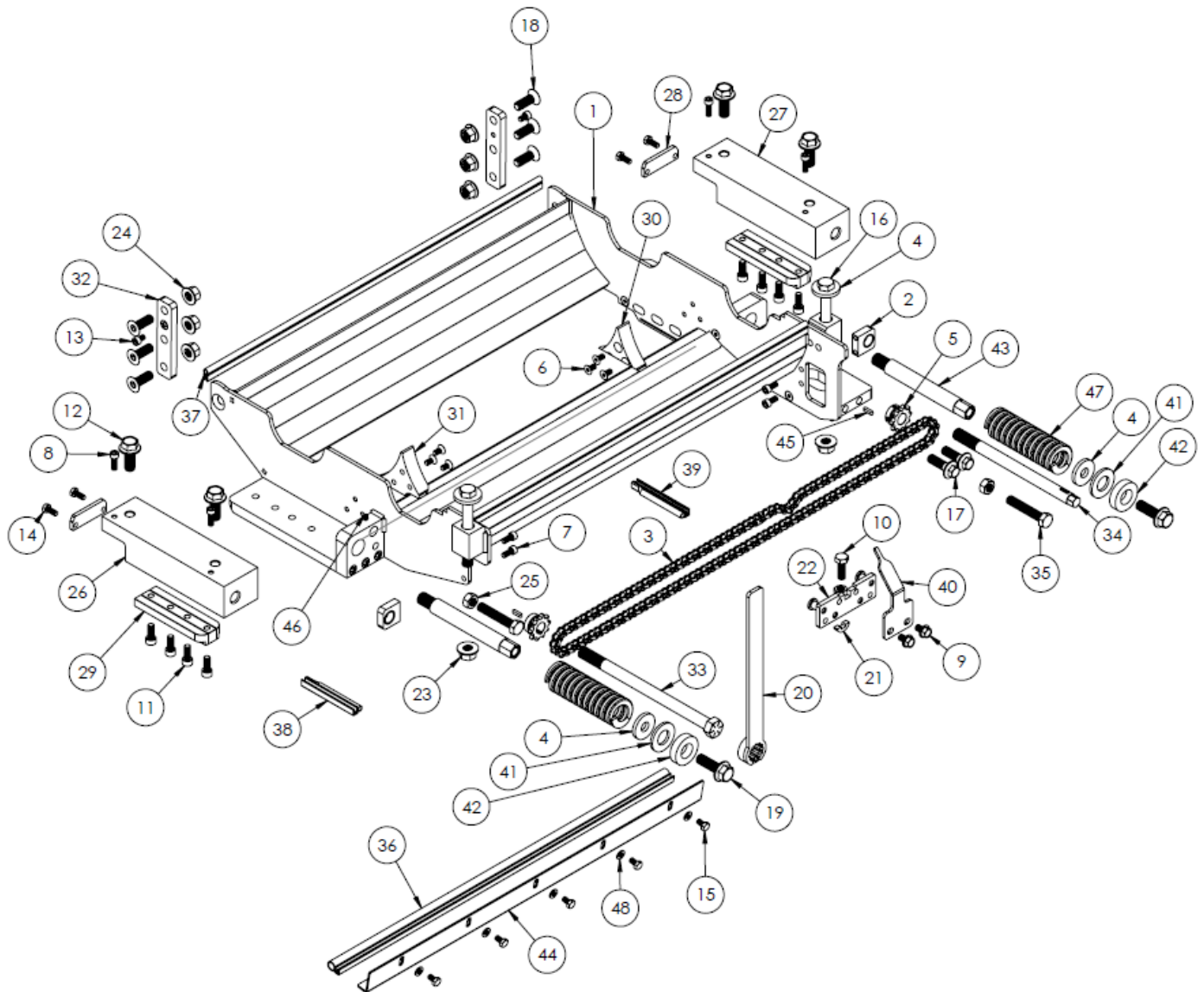
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10622	TOP FRAME	1
2	BLT10005	FLAT HEAD SCREW	6
3	BLT10012	SOCKET HEAD CAP SCREW	2
4	BLT10015	SOCKET HEAD CAP SCREW	4
5	BLT10031	PAN HEAD SCREW	2
6	BLT10052	FLANGE BOLT	4
7	BLT10108	SOCKET HEAD CAP SCREW	2
8	BLT10143	SOCKET HEAD BOLT	6
9	BLT10182	HEX HEAD BOLT	2
10	BLT10190	FLANGE BOLT	7
11	BLT10258	FLANGE BOLT	2
12	BLT10269	FLAT HEAD BOLT	6
13	BLT10301	HEX HEAD BOLT	2
14	D1327	LOCK WASHER	4
15	HPT1099	LOCKING PIN	1
16	HPT1107	RUBBER BUMPER	2
17	JDBM1097	ADJ TOOL KEEPER	1
18	JDTM1001	LH UPPER CHEEK PLATE	1
19	JDTM1002	RH UPPER CHEEK PLATE	1
20	NUT10069	NUT	2
21	NUT10074	FLANGE TOP LOCK NUT	6
22	PRT10085	SCHERER SERIAL PLATE	1
23	PRT10644	MOUNTING COLLAR	4
24	PRT10671	LOCATING SPUD	2
25	PRT10672	HINGE PLATE	2
26	PRT10678	SHROUD SEAL	2
27	PRT10712	CONNECTION SEAL	1
28	PRT10781	NH ROLL GAUGE	1
29	PRT10783	2MM KP ATTACHED FEELER GAUGE	1
30	PRT10805	ADJUSTABLE SEALING LEDGE	1
31	SPL10047	DRIVE SCREW	2
32	SPL10139	GROMMET	2
33	SPL10465	SPACER	2

Frame Adjustment Parts



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10627	ADJ BOLT GUIDE ASSY	2
2	ASM10628	ADJUSTMENT CHAIN KIT	1
3	B1067	CHAIN ADJUSTMENT SPROCKET	2
4	BLT10012	SOCKET HEAD CAP SCREW	6
5	BLT10026	SERRATED FLANGE BOLT	2
6	BLT10028	HEX HEAD BOLT	1
7	DEC1100	NH SCALE	1
8	HPT1098	ADJUSTMENT WRENCH	1
9	HPT1099	LOCKING PIN	1
10	JDBM1060	WOODRUFF KEY	1
11	JDBM1150	POINTER MOUNT WLDMNT	1
12	PRT10673	ADJUSTMENT BOLT	1
13	PRT10674	ADJUSTMENT BOLT	1
14	PRT10681	POINTER	1
15	SPL10003	MACHINE KEY	2

Bottom Frame

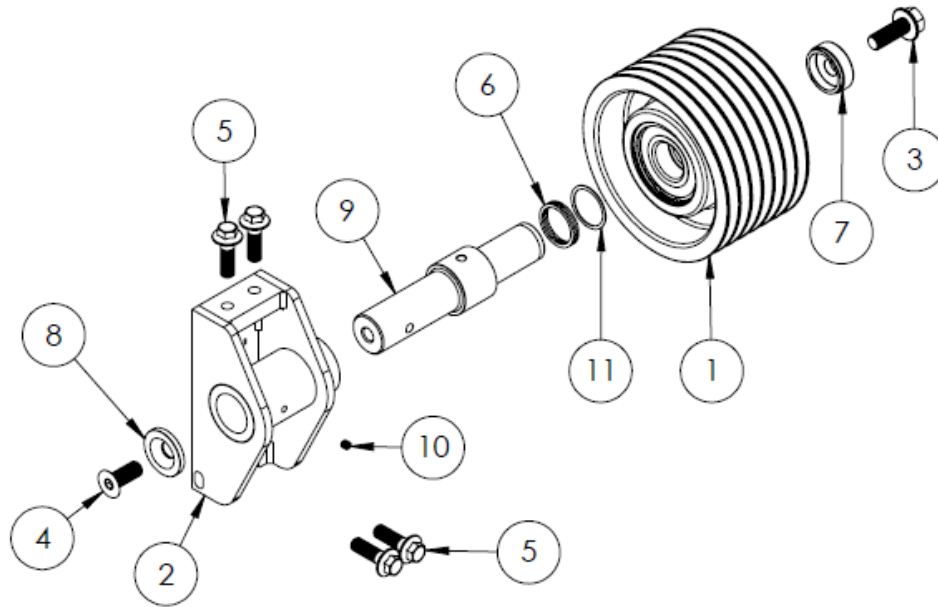


See page 55 for more information
about parts 41 and 42

Bottom Frame Parts List

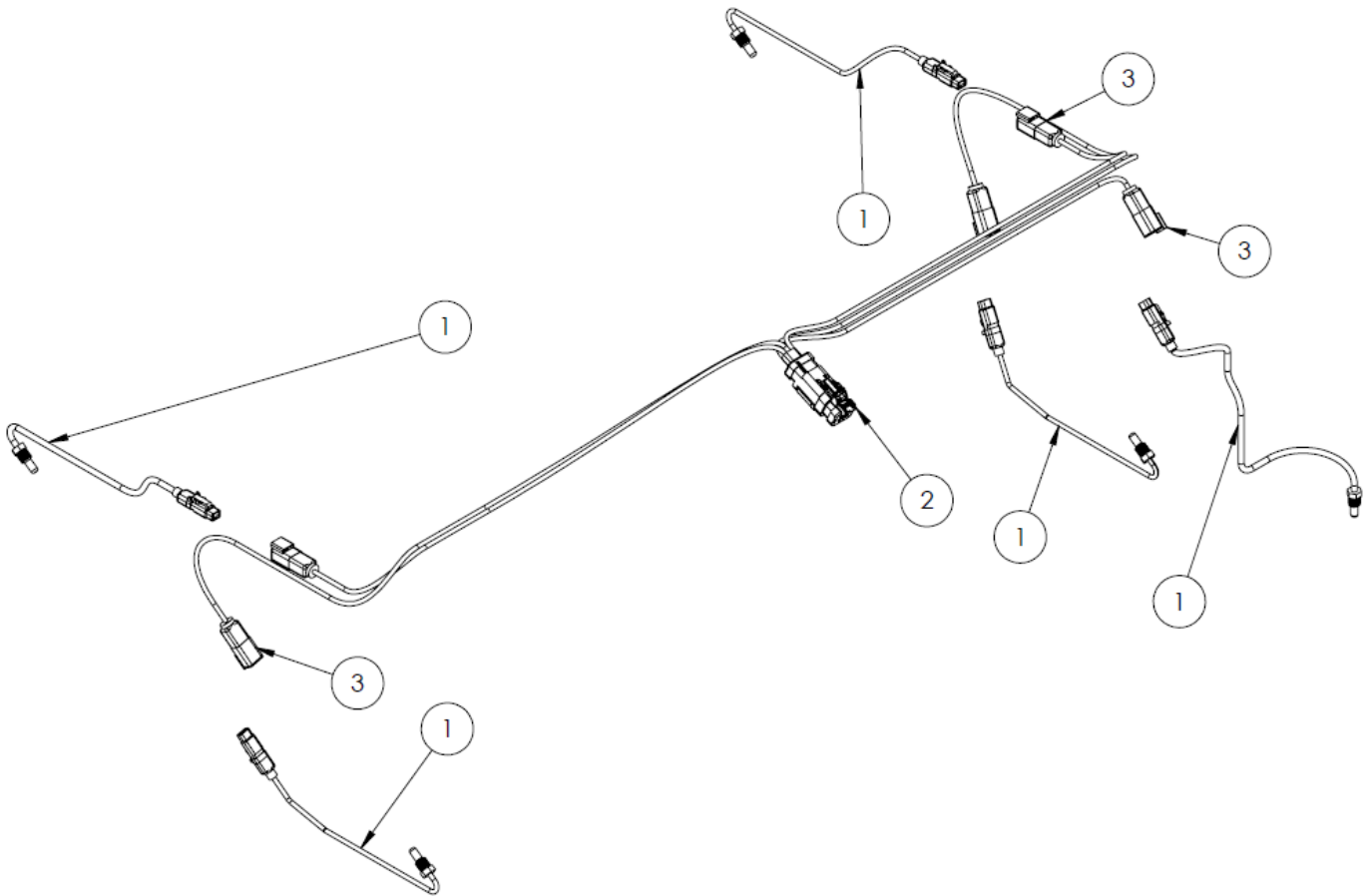
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10621	BOTTOM FRAME	1
2	ASM10627	ADJ BOLT GUIDE ASSY	2
3	ASM10628	ADJUSTMENT CHAIN KIT	1
4	B1002	SPRING BOLT WASHER	4
5	B1067	CHAIN ADJUSTMENT SPROCKET	2
6	BLT10005	FLAT HEAD SCREW	6
7	BLT10012	SOCKET HEAD CAP SCREW	4
8	BLT10015	SOCKET HEAD CAP SCREW	4
9	BLT10026	SERRATED FLANGE BOLT	2
10	BLT10028	HEX HEAD BOLT	1
11	BLT10046	SOCKET HEAD CAP SCREW	8
12	BLT10052	FLANGE BOLT	4
13	BLT10108	SOCKET HEAD CAP SCREW	2
14	BLT10154	HEX HEAD BOLT	4
15	BLT10174	HEX HEAD BOLT	5
16	BLT10182	HEX HEAD BOLT	2
17	BLT10258	FLANGE BOLT	2
18	BLT10269	FLAT HEAD BOLT	6
19	BLT10306	FLANGE BOLT	2
20	HPT1098	ADJUSTMENT WRENCH	1
21	JDBM1060	WOODRUFF KEY	1
22	JDBM1150	POINTER MOUNT WLD MNT	1
23	NUT10049	LOCKING FLANGE NUT	2
24	NUT10074	FLANGE TOP LOCK NUT	6
25	NUT10077	HEX NUT	2
26	PRT10639	OUTER SLIDE - IDLE	1
27	PRT10640	OUTER SLIDE - DRIVE	1
28	PRT10641	SLIDE END CAP	2
29	PRT10642	INNER SLIDE	2
30	PRT10669	RH LOWER CHEEK PLATE	1
31	PRT10670	LH LOWER CHEEK PLATE	1
32	PRT10672	HINGE PLATE	2
33	PRT10673	ADJUSTMENT BOLT	1
34	PRT10674	ADJUSTMENT BOLT	1
35	PRT10676	DEAD STOP BOLT	2
36	PRT10677	CONNECTION SEAL	1
37	PRT10678	SHROUD SEAL	2
38	PRT10680L	BOTTOM-DRIVE SIDE SEAL	1
39	PRT10680R	BOTTOM-IDLE SIDE SEAL	1
40	PRT10681	POINTER	1
41	PRT10785	WHOLE CROP SPACER	2
42	PRT10786	CORN SPACER	2
43	PRT10792	SPRING ROD	2
44	PRT10845	SEAL HOLDER	1
45	SPL10003	MACHINE KEY	2
46	SPL10006	ZERK	2
47	SPL10383	BEARING SLIDE SPRING	2
48	WSH10026	FLAT WASHER	5

Idle Pulley Parts



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10626	IDLE PULLEY ASSEMBLY	1
2	ASM10640	985NH IDLE WELDMENT	1
3	BLT10016	FLANGE BOLT	1
4	BLT10041	FLAT HEAD SCREW	1
5	BLT10258	FLANGE BOLT	4
6	D1334-7	SHIM	3
7	JDBM1038	BEARING CAP	1
8	NBB1001	NB IDLER SHAFT END CAP	1
9	PRT10643	IDLE PULLEY SHAFT	1
10	SPL10002	SET SCREW	1
11	SPL10062	SHIM	1

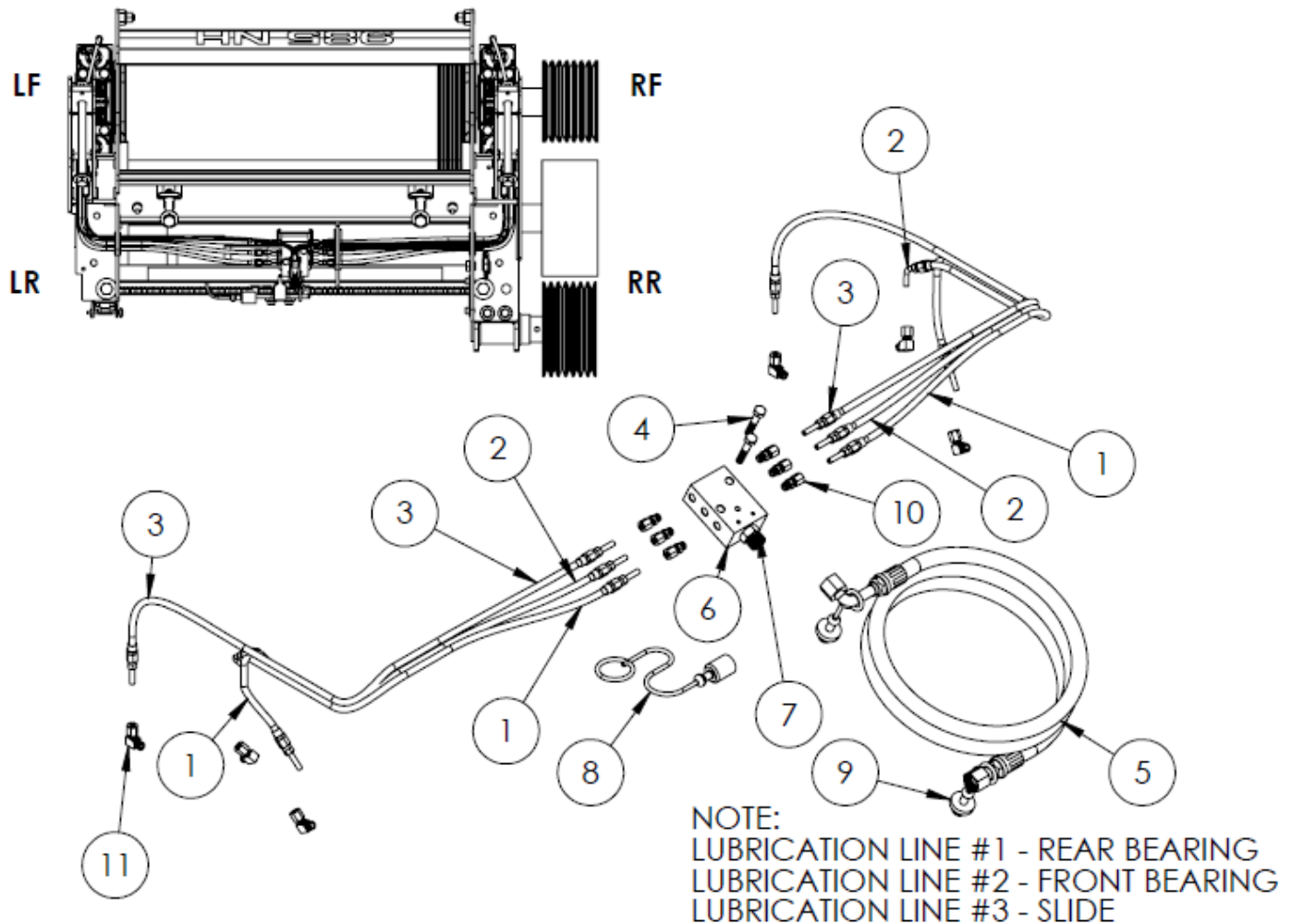
Temperature Wiring Harness



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	PM22007	TEMPERATURE PROBE	5
2	PM22010	PLUG CAP ASSEMBLY	1
3	SPL10363	SPLITTER CABLE	1

Air Lubrication Kit

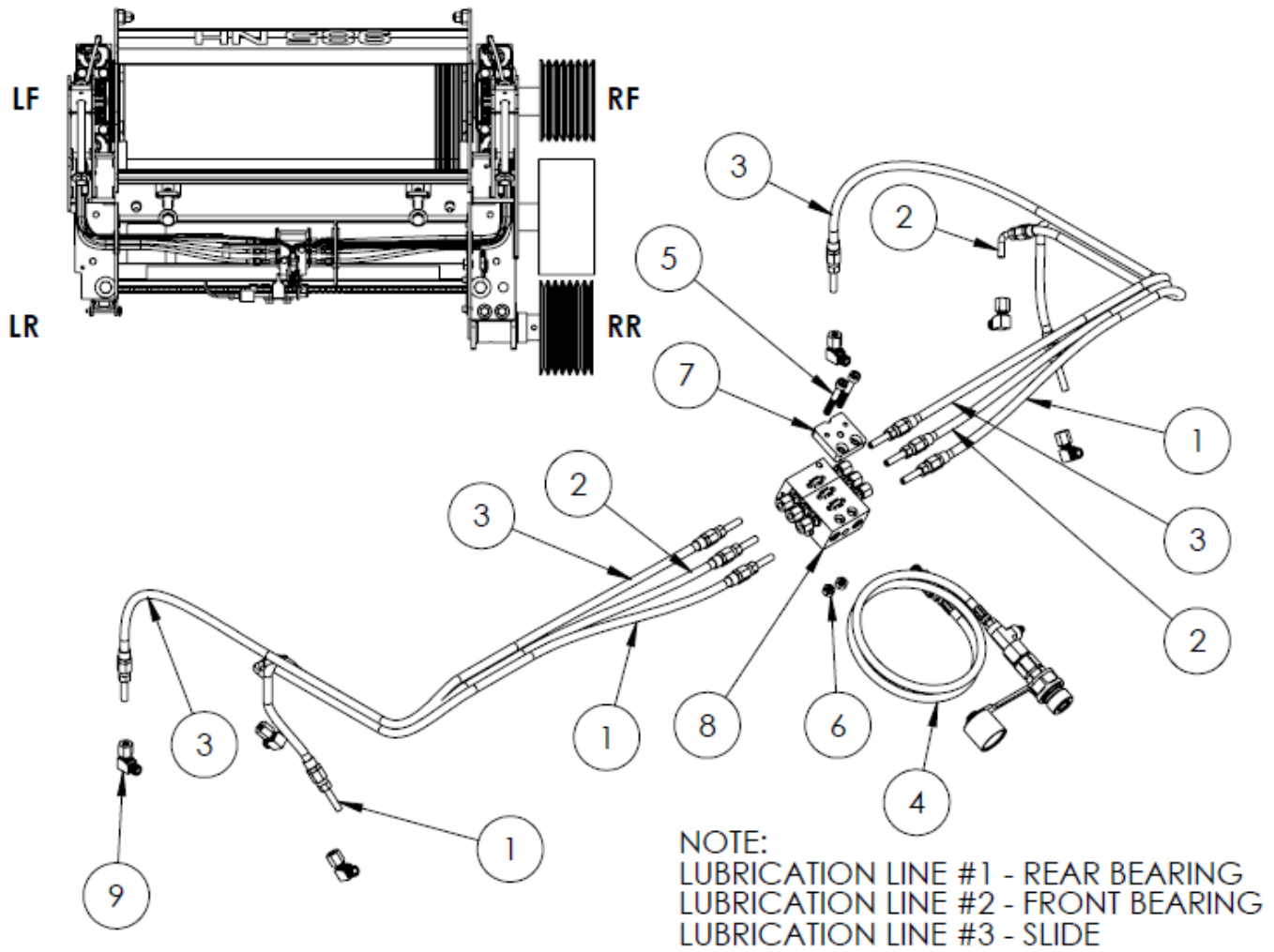
ASM10507



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10651	LUBRICATION LINE	2
2	ASM10652	LUBRICATION LINE	2
3	ASM10653	LUBRICATION LINE	2
4	BLT10142	HEX HEAD BOLT	2
5	OM2033	HOSE OIL MISTER TO PROCESSOR	1
6	PRT10452	OIL MIST MANIFOLD	1
7	SPL10012	STRAIGHT ADAPTER	1
8	SPL10027	FEMALE CAP	1
9	SPL10028	MALE CAP	2
10	SPL10076	BEKA-MAX STRAIGHT COUPLING	6
11	SPL10115	90 DEG ELBOW	6

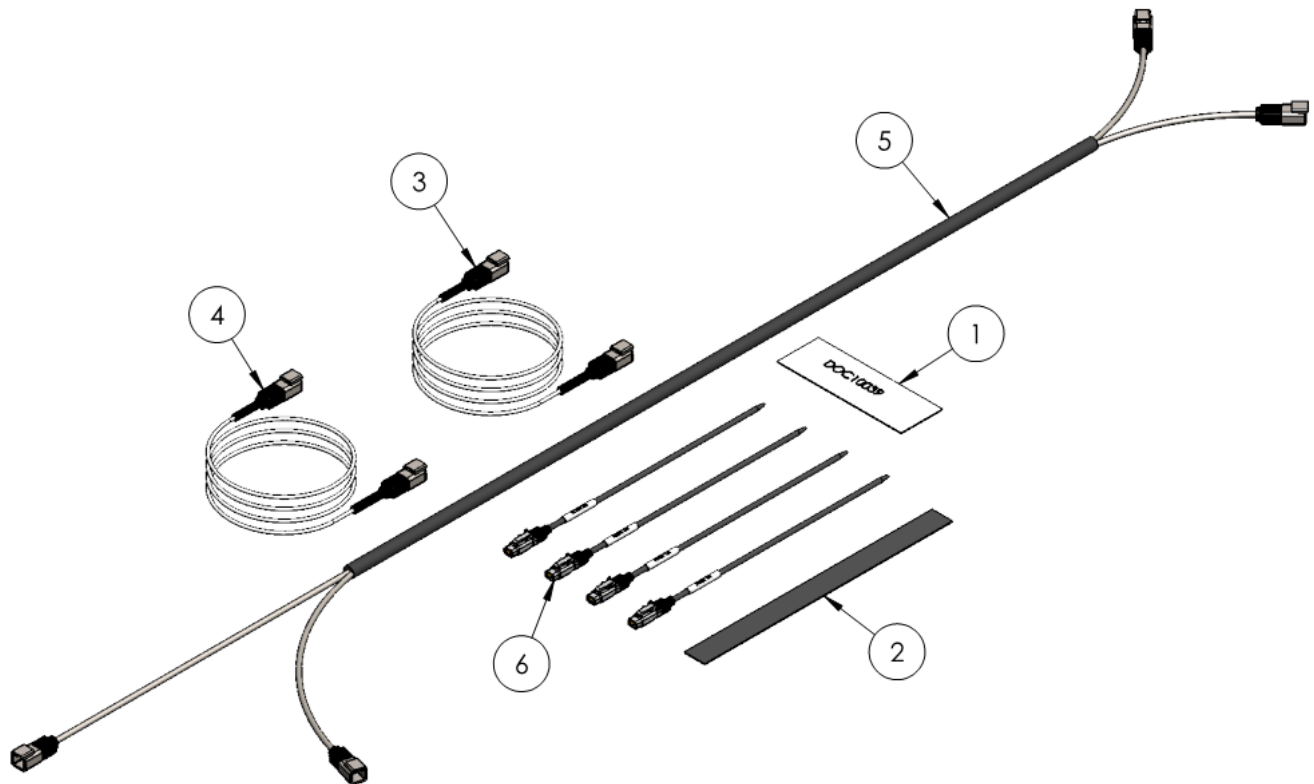
Grease Lubrication Kit

ASM10508



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10651	LUBRICATION LINE	2
2	ASM10652	LUBRICATION LINE	2
3	ASM10653	LUBRICATION LINE	2
4	ASM10667	GREASE LUBRICATION HOSE ASSEMBLY	1
5	BLT10141	SOCKET HEAD BOLT	2
6	NUT10026	LOCK NUT	2
7	PM3040	MANUAL LUBE SENSOR MOUNT	1
8	SPL10073	DISTRIBUTION MANIFOLD	1
9	SPL10115	90 DEG ELBOW	6

Extended Sentry - ASM10308



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	DOC10039	EXTENDED SENTRY INSTALLTION	1
2	PRT10613	ADHESIVE TAPE	1
3	SPL10230	LEFT HAND ACCELERATOR BEARING EXTENSION CABLE	1
4	SPL10231	RIGHT HAND ACCELERATOR BEARING EXTENSION CABLE	1
5	SPL10232	CUTTER HEAD BEARING EXTENSION CABLE	1
6	SPL10238	TEMPERATURE PROBE	4

Complete Roll Options

STC = SchererCut™

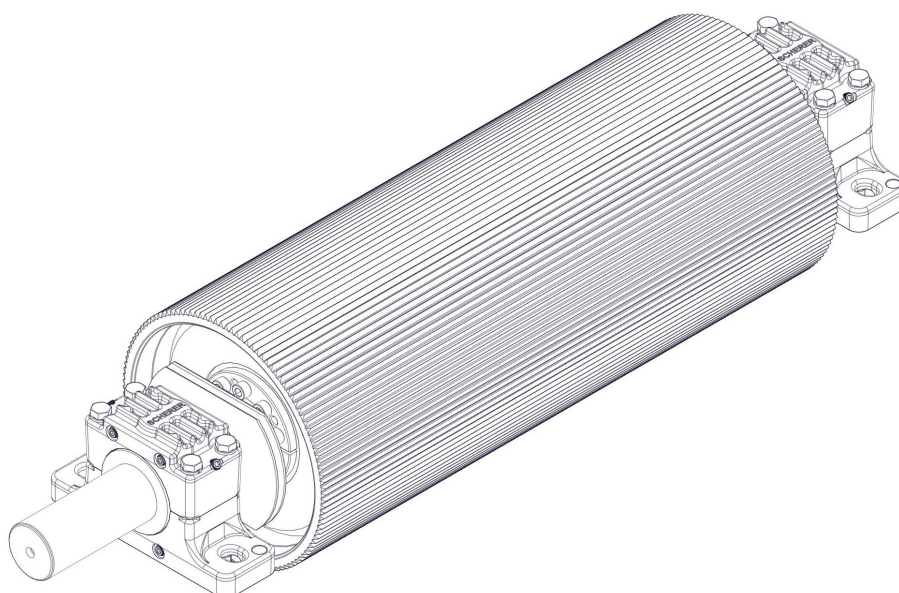
Part Number	Description
KPR10000-125-STC-C	125 STC ROLL ASSY COMPLETE
KPR10000-150-STC-C	150 STC ROLL ASSY COMPLETE
KPR10000-125-STC-G	125 STC GREASE ROLL ASSY COMPLETE
KPR10000-150-STC-G	150 STC GREASE ROLL ASSY COMPLETE

SST = SpiraCut™

Part Number	Description
KPR10000-125-SST-C	125 SST ROLL ASSY COMPLETE
KPR10000-150-SST-C	160 SST ROLL ASSY COMPLETE
KPR10000-145-ST-C	145 ST ROLL ASSY COMPLETE
KPR10000-125-SST-G	125 SST GREASE ROLL ASSY COMPLETE
KPR10000-150-SST-G	150 SST GREASE ROLL ASSY COMPLETE

WC = DuraCut™

Part Number	Description
KPR10000-WC-ST-C	DURACUT ST ROLL ASSY COMPLETE
KPR10000-WC-TC-C	DURACUT TC ASSY COMPLETE
KPR10000-WC-ST-G	DURACUT GREASE ASSY COMPLETE
KPR10000-WC-TC-G	DURACUT TC GREASE ASSY COMPLETE

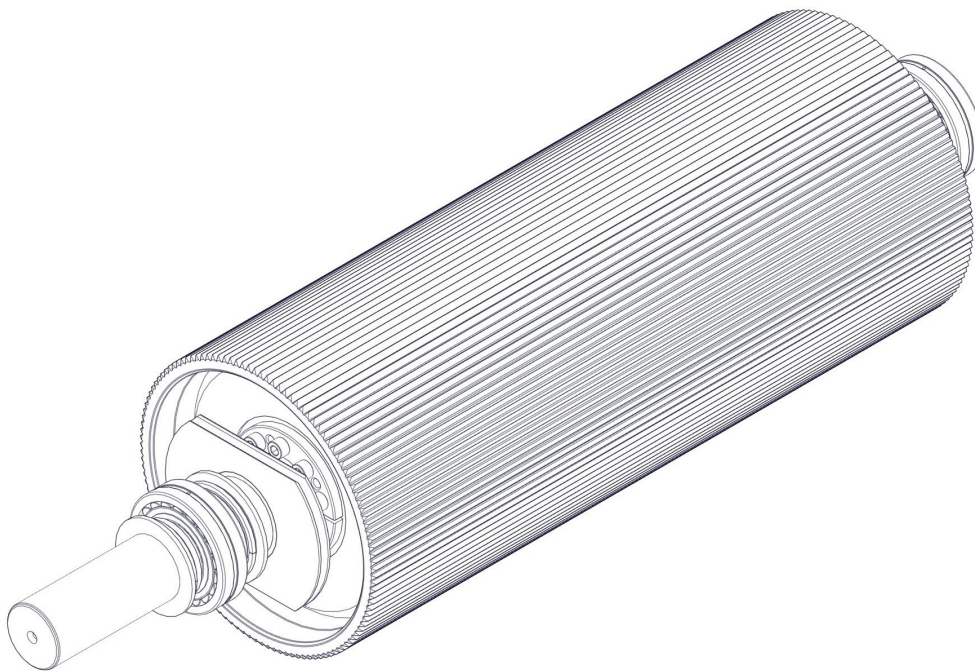


No Housing Roll Options

STC = SchererCut™	
Part Number	Description
KPR10000-125-STC-NH	125 STC ROLL ASSY NO HSNGS
KPR10000-150-STC-NH	150 STC ROLL ASSY NO HSNGS

SST = SpiraCut™	
Part Number	Description
KPR10000-125-SST-NH	120 SAW ROLL ASSY NO HSNGS
KPR10000-150-SST-NH	160 SAW ROLL ASSY NO HSNGS
KPR10000-145-ST-NH	145 SAW ROLL ASSY NO HSNGS

WC = DuraCut™	
Part Number	Description
KPR10000-WC-ST-NH	DURACUT SAW ROLL NO HSNGS
KPR10000-WC-TC-NH	DURACUT TWIN ROLL NO HSNGS

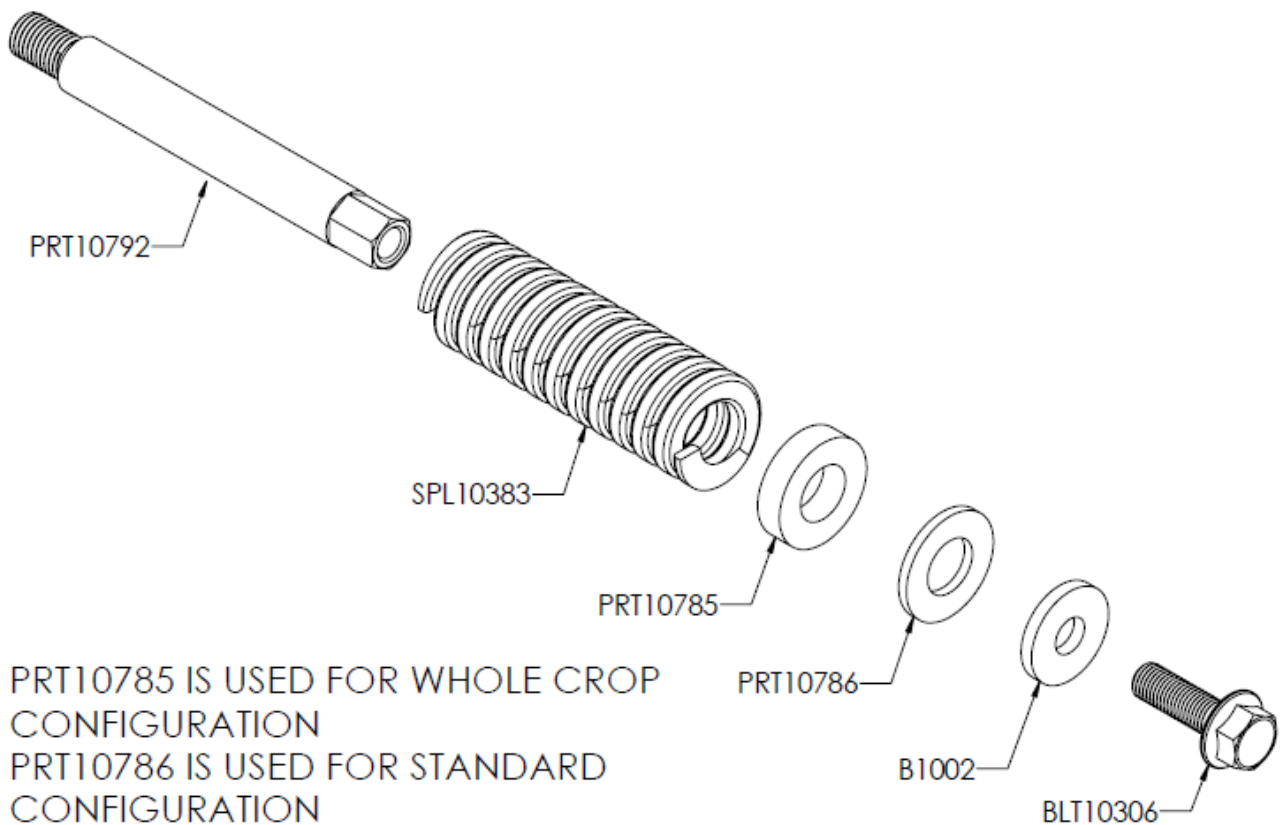


Small Grain Rolls

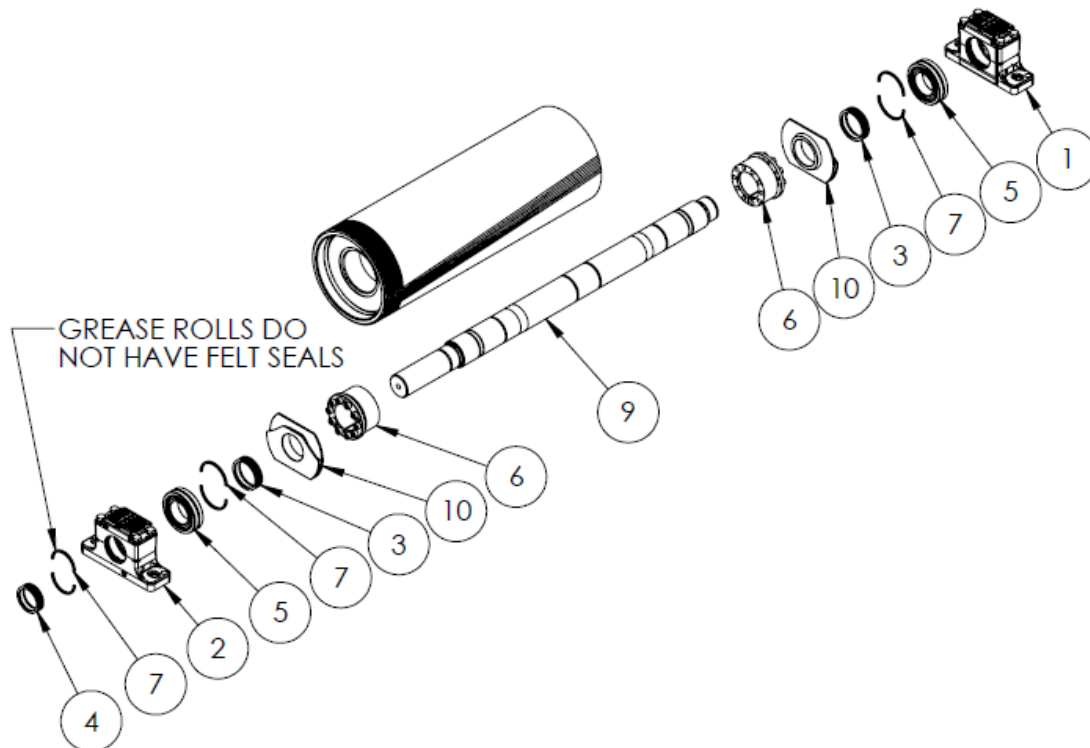
Small grain/Whole crop rolls are designed to adequately process milo and other small grains.

- KPR10000-WC-ST-C
- KPR10000-WC-TC-C
- KPR10000-WC-ST-NH
- KPR10000-WC-TC-NH

The whole crop kernel processor set up requires a different configuration of the spring spacers to increase pressure from the corn set up. The original spacer (PRT10786) needs to be replaced by a larger spacer (PRT10785) to convert from corn to whole crop configuration.

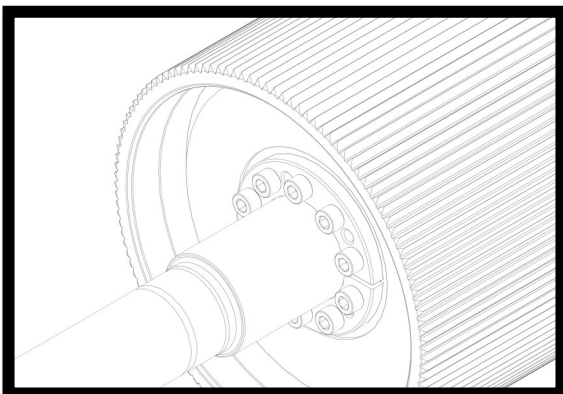


Roll Assembly Parts List

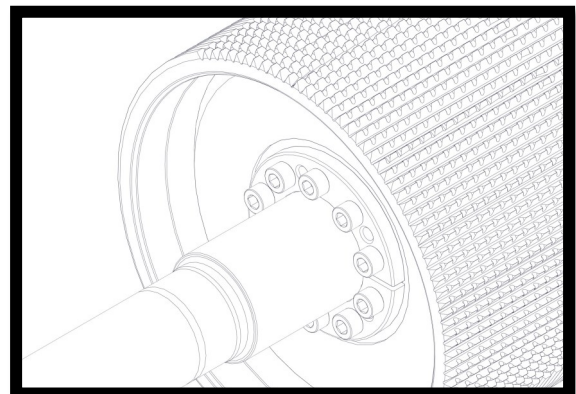


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10318	IDLE BEARING HOUSING ASSEMBLY	1
2	ASM10319	DRIVE BEARING HOUSING ASSEMBLY	1
3	ASM10320	70MM INSIDE HSG SEAL ASSY	2
4	ASM10321	60MM INSIDE HSG SEAL ASSY	1
5	HOR1007	60MM BEARING	2
6	HOR1016	ROLL TO SHAFT LOCKING HUB	2
7	HPR1009	FIBER OIL SEAL	6
9	PRT10653	SHAFT	1
10	PRT10679	70mm SPOOL SEAL (NH)	2

*Taper Lock comes with bolts.

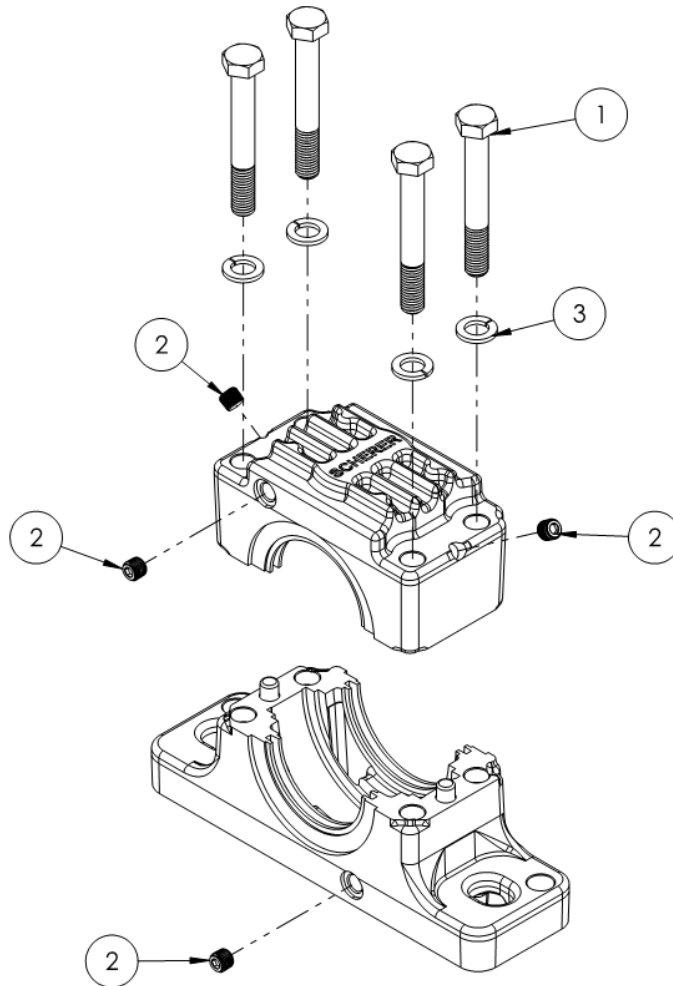


Scherer Cut Roll

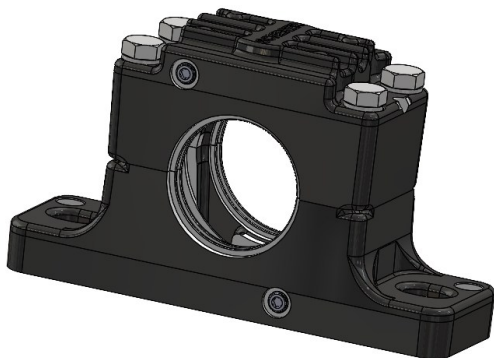


Spira Cut Roll

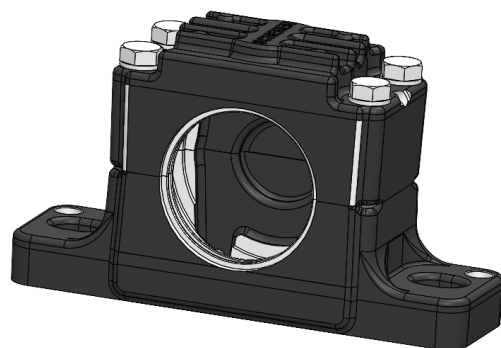
Housing Hardware



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BLT10000	HEX HEAD BOLT	4
2	SPL10001	PLUG	4
3	WSH10000	LOCK WASHER	4

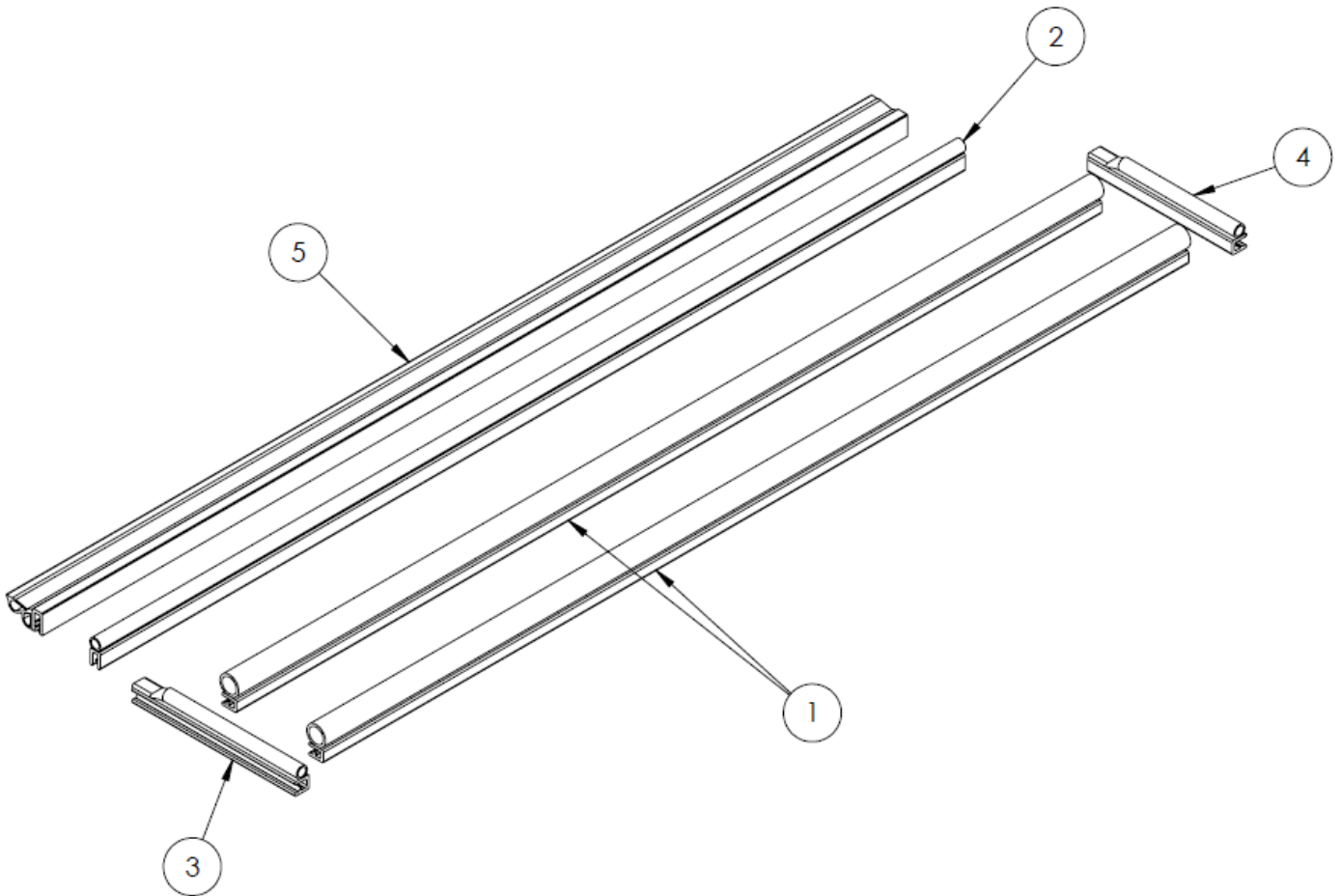


ASM10319- Drive side



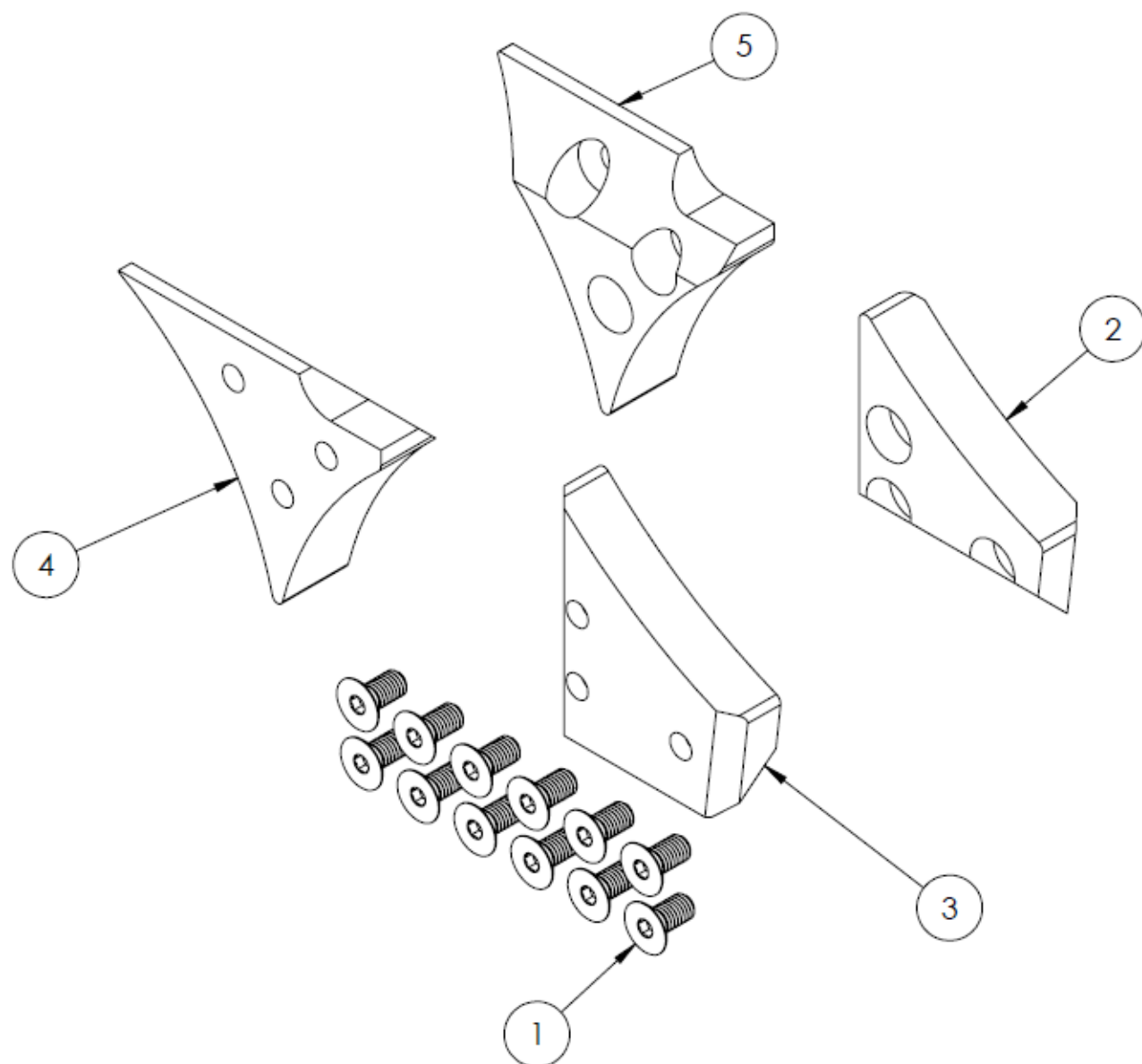
ASM10318 - Idle side

Bulb Seal Replacement Kit— ASM10673



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	PRT10677	CONNECTION SEAL	2
2	PRT10678	SHROUD SEAL	1
3	PRT10680L	BOTTOM-DRIVE SIDE SEAL	1
4	PRT10680R	BOTTOM-IDLE SIDE SEAL	1
5	PRT10712	CONNECTION SEAL	1

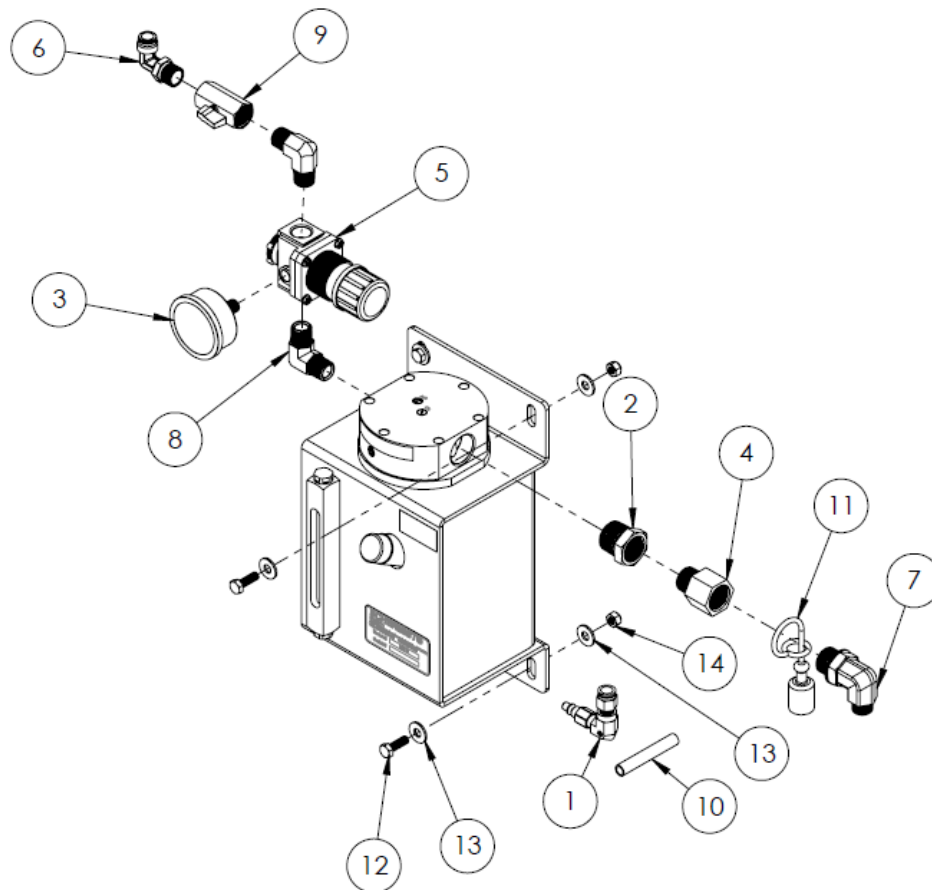
Cheek Plate Replacement Kit—ASM10674



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BLT10005	FLAT HEAD SCREW	12
2	JDTM1001	LH UPPER CHEEK PLATE	1
3	JDTM1002	RH UPPER CHEEK PLATE	1
4	PRT10669	RH LOWER CHEEK PLATE	1
5	PRT10670	LH LOWER CHEEK PLATE	1

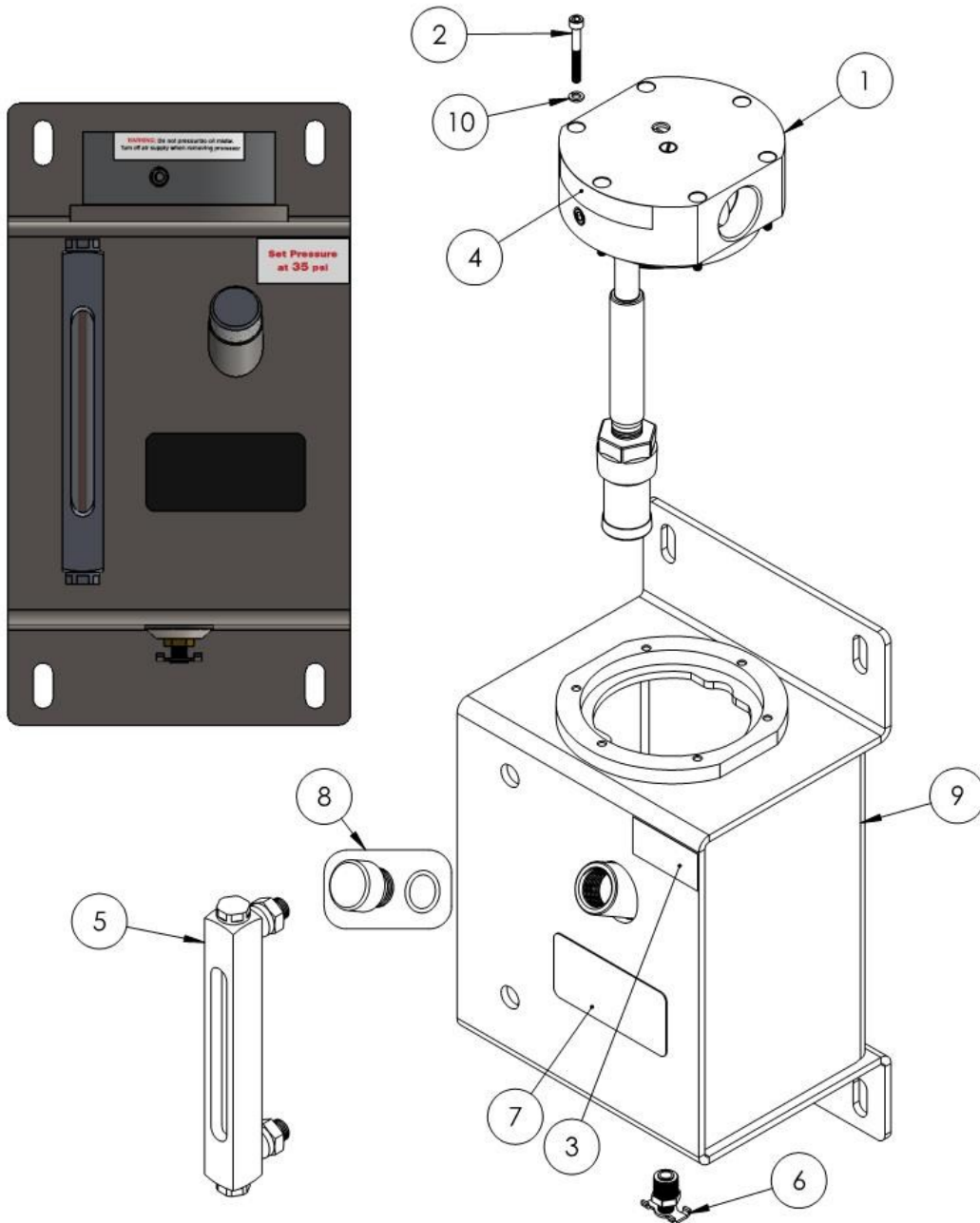
Schermist® Parts List - Air Lubrication

ASM10675



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10666	NEW HOLLAND AIR SYSTEM CONNECTION	1
12	BLT10043	HEX HEAD BOLT	4
14	NUT10009	LOCK NUT	4
2	OM1003	STRAIGHT ADAPTER	1
3	OM1015	PRESSURE GUAGE	1
4	OM1030	STRAIGHT ADAPTER	1
5	OM1032	REGULATOR	1
6	OM1033	90° SWIVEL FITTING	1
7	OM1034	90 DEGREE ADAPTER FITTING	1
8	OM1045	90 DEGREE FITTING	2
9	OM1046	BALL VALVE	1
10	PRT10784	NEW HOLLAND OILER HOSE	1
11	SPL10027	FEMALE CAP	1
13	WSH10005	FLAT WASHER	8

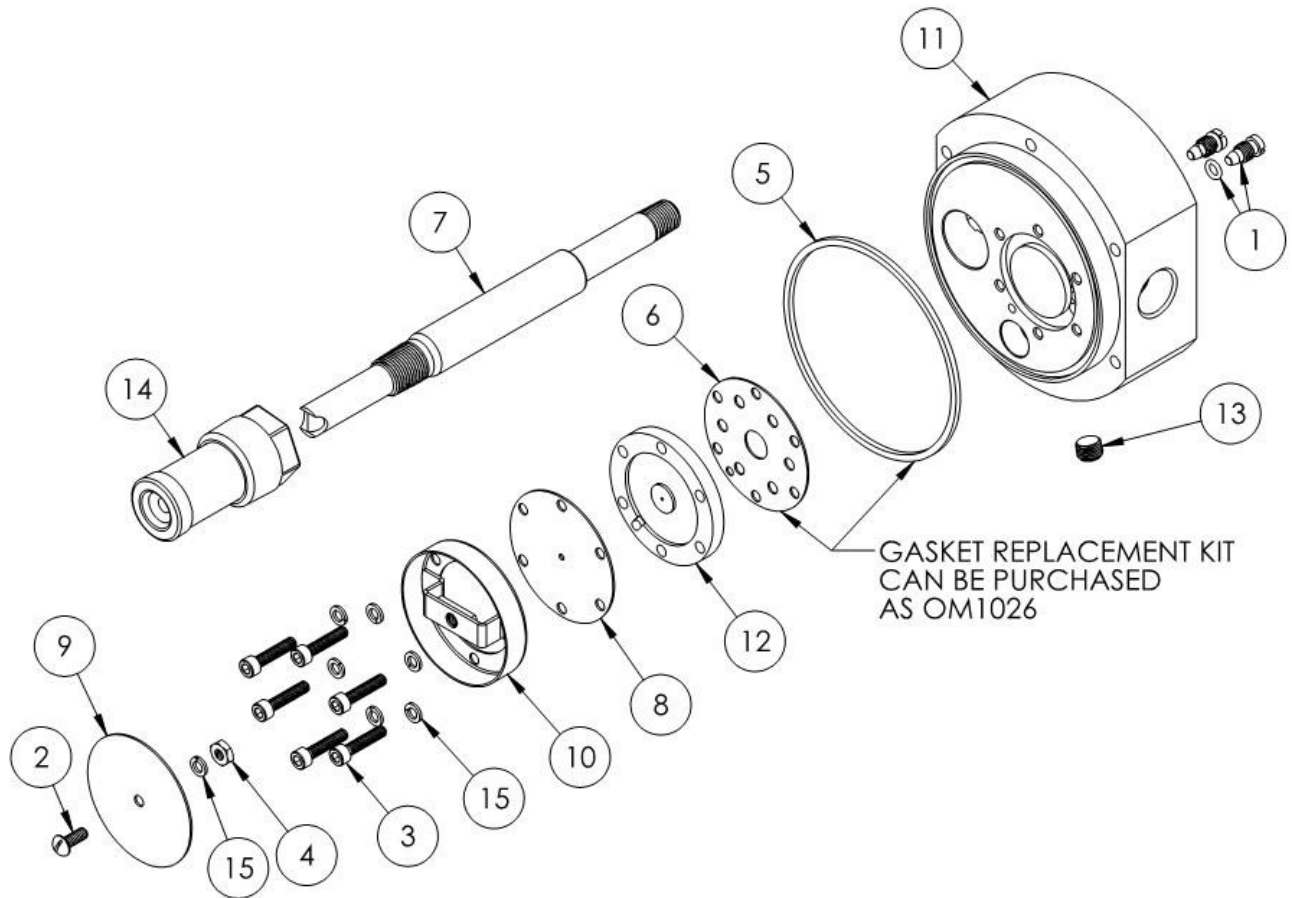
ASM10086



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10061	SCHERMIST HEAD ASSEMBLY	1
2	BLT10140	SOCKET HEAD SCREW	6
3	DEC1004	35PSI SET PRESSURE	1
4	DEC1007	WARNING : DO NOT OVER PRESSURIZE	1
5	OM1012	SIGHT GLASS	1
6	OM1039	STOP COCK DRAIN	1
7	OM1121	OIL TANK SERIAL PLATE	1
8	OM2026	CAP ASSEMBLY	1
9	OM5016	OIL RESEVOIR WLDMNT	1
10	WSH10006	LOCK WASHER	6

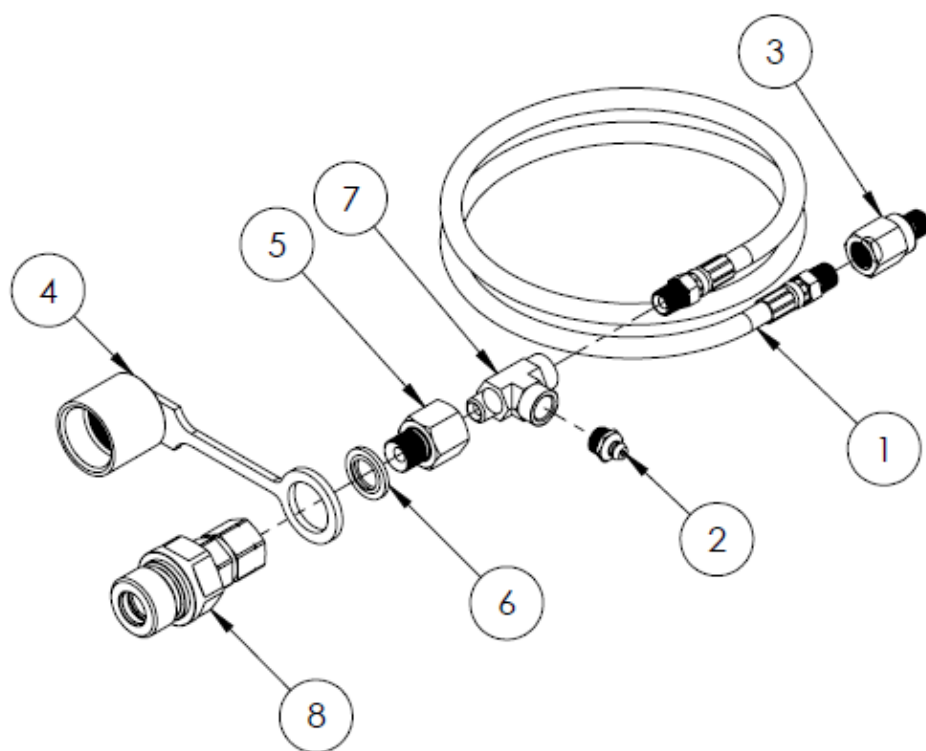
Schermist® Head Parts List

ASM10061



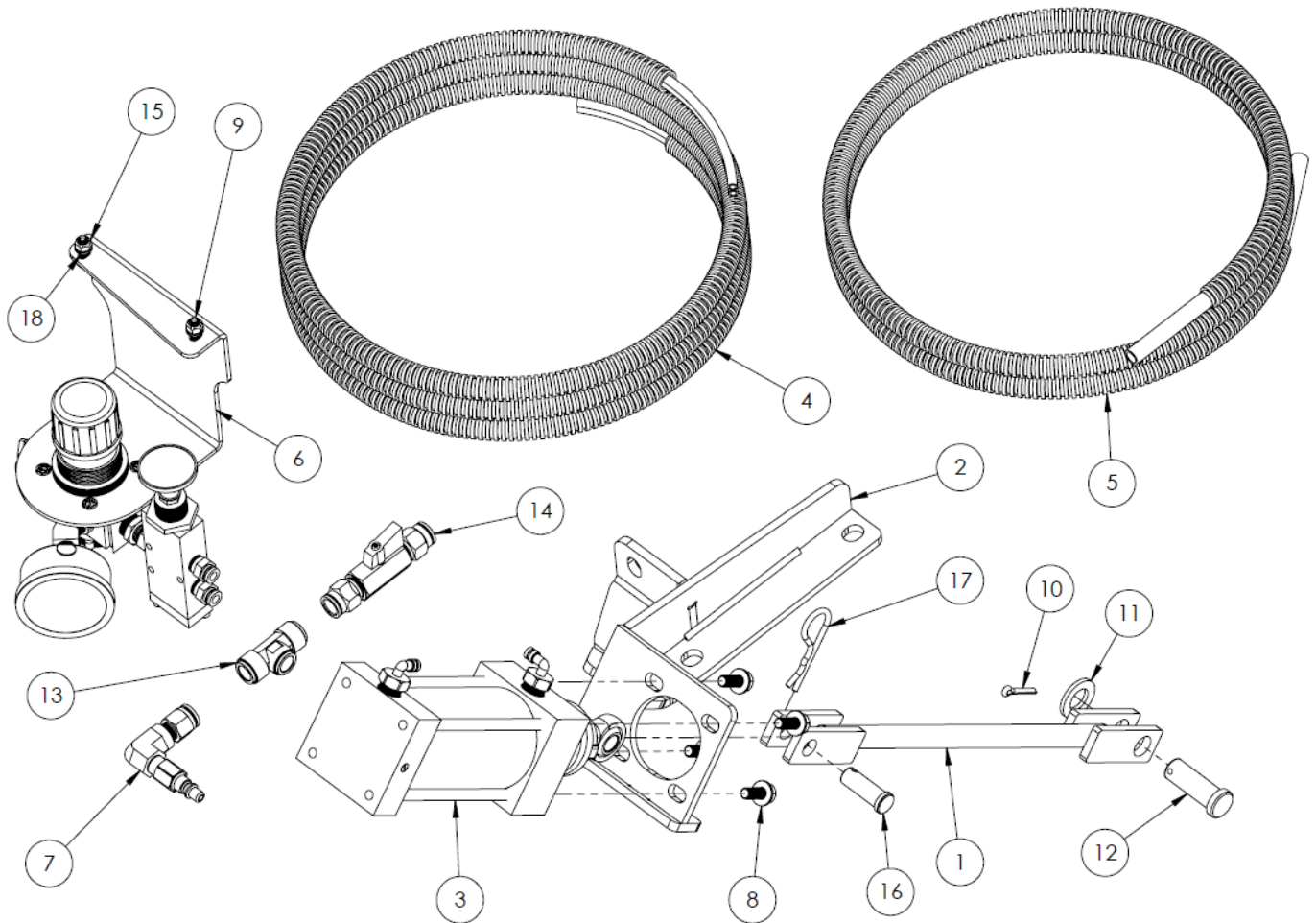
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10075	AIR SCREW ASSEMBLY	2
2	BLT10044	MACHINE SCREW	1
3	BLT10071	SOCKET HEAD CAP SCREW	6
4	NUT10011	MACHINE HEX NUT	1
5	OM1026.2	HEAD GASKET	1
6	OM1109	VENTURI GASKET	1
7	OM1114	STRAINER MNTG TUBE	1
8	OM2003	MISTER OIL PLATE	1
9	OM2008	IMPINGEMENT PLATE	1
10	OM2009	BAFFLE ASSEMBLY	1
11	OM2027	MISTER HEAD	1
12	PRT10262	VORTEX PLATE	1
13	R1235	PIPE PLUG	1
14	SPL10045	STRAINER	1
15	WSH10006	LOCK WASHER	7

ASM10667 - Grease Lubrication Kit



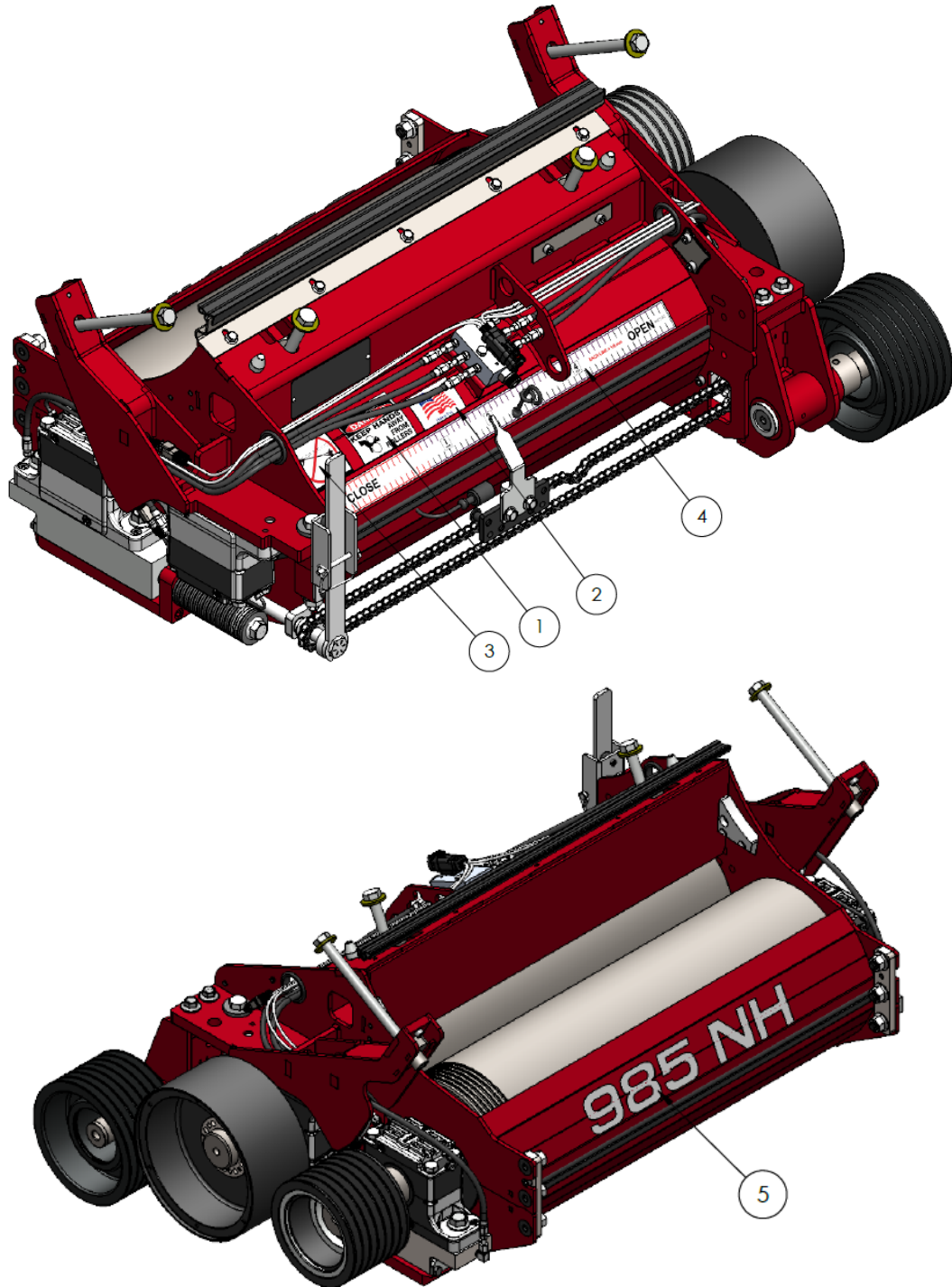
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	HPG1116	STRESS RELIEF LUBRICATION LINE	1
2	SPL10017	GREASE ZERK	1
3	SPL10084	REDUCER	1
4	SPL10171	FEMALE GREASE COUPLER CAP	1
5	SPL10172	ADAPTOR FITTING	1
6	SPL10173	SEAL WASHER	1
7	SPL10252	TEE FITTING	1
8	SPL10322	FEMALE GREASE COUPLER	1

ASM10658 - Air Tensioner Kit



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	ASM10502	TENSIONER ARM	1
2	ASM10644	NH TENSIONER CYLINDER MOUNT	1
3	ASM10654	NEW HOLLAND TENSIONER CYLINDER ASSEMBLY	1
4	ASM10659	AIR HOSE ASSY	1
5	ASM10660	12mm HOSE AND LOOM	1
6	ASM10665	PRESS REGLTR & ACTUATOR ASSY	1
7	ASM10666	NEW HOLLAND AIR SYSTEM CONNECTION	1
8	BLT10291	FLANGE BOLT	4
9	BLT10292	FLANGE BOLT	2
10	D1315	COTTER PIN	1
11	D1316-7	FLAT WASHER	1
12	HPD1314-7	CLEVIS PIN	1
13	HPD1349	T FITTING	1
14	HPD1359	12MM VALVE ASSEMBLY	1
15	NUT10026	LOCK NUT	2
16	SPL10384	CLEVIS PIN	1
17	SPL10386	HAIRPIN	1
18	WSH10004	FLAT WASHER	2

Decal Layout

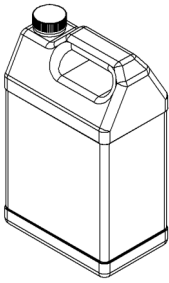


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	DEC1001	DANGER: ROLLS	1
2	DEC1003	MADE IN USA	1
3	DEC1050	DO NOT POWERWASH	1
4	DEC1100	NH SCALE	1
5	DEC1101	985 NH	1

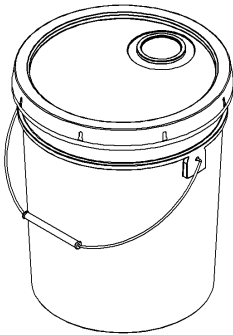
Scherer Equipped Decal



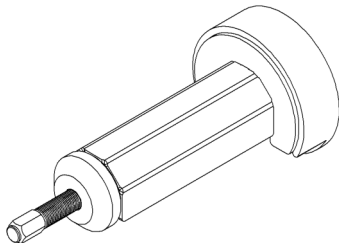
Accessory Parts



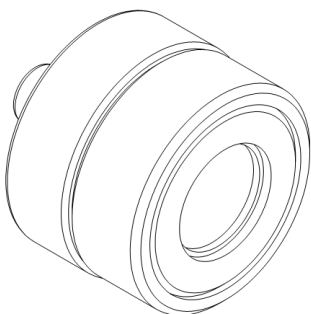
A0006 - 1 Gallon KP Oil



A006.5 - 5 Gallon KP Oil

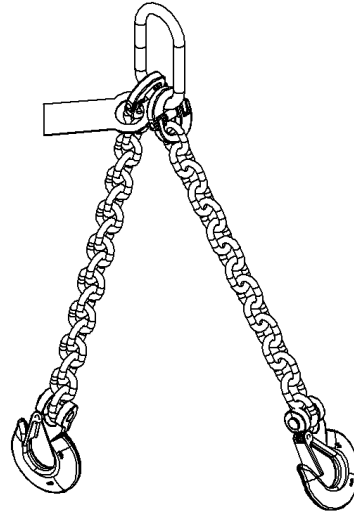


A0022 - 60mm Bearing Puller



ASM10501 - Bearing Puller Tip

*ASM10501 comes with A0022, but can also be purchased as a spare.



A0003 - KP Lifting Chain



A0011 - Laser Alignment Tool



A0021 - Bearing Heater