

OPERATOR'S AND PARTS MANUAL NO. PB-2WAY-6200
FOR
6200 SERIES

MEYER

TSS VARIABLE SPEED MODEL
Front & Rear Unload Forage Boxes
with Independent Outfeed Clutch

DO NOT OPERATE EQUIPMENT UNTIL THIS MANUAL HAS BEEN READ AND UNDERSTOOD.

6200 SERIES:

Model 6220
Model 6222
Model 6224



MANUFACTURED BY
Meyer Mfg. Corp.

574 West Center Avenue
P.O. Box 405
Dorchester, Wisconsin 54425-0405
Phone 715-654-5132 • FAX 715-654-5513
1-800-325-9103
www.meyermfg.com
E-mail: sales@meyermfg.com



INTRODUCTION

Congratulations on your purchase of a new Meyer farm equipment product. Undoubtedly you have given much consideration to your purchase and we're proud that you have selected Meyer. Pride in craftsmanship, engineering and customer service have made Meyer products the finest in the farm equipment industry today.

There is no substitute for quality. That is why thousands of people like you have purchased Meyer farm equipment. They felt it was the best equipment to serve their farming needs, now and in years to come. We ask that you follow our policy of "safety first," and we strongly suggest that you read through the owner's manual before operating your Meyer farm equipment.

Meyer Manufacturing Corporation wants to thank you for not compromising quality. We are determined to offer excellence in customer service as well as provide you with the very best value for your dollar.

REMEMBER:

**FARM EQUIPMENT BUYERS
TRUST THE NAME MEYER!**

Sincerely,

All Employees of
MEYER MANUFACTURING CORPORATION

Meyer Mfg. Corp. reserves the right to make improvements in design, or changes in specifications at any time, without incurring any obligation to owners of units previously sold.

This supersedes all previous published instructions.

IMPORTANT: The standard forage box header unit discharges to the LH side and the parts illustrations depict these units. If you have an optional RH unit, always specify the part number shown in this book followed by -RH. Nearly all header parts appear similar to the standard unit but are really mirror images. Box parts are all identical. If you specify -RH and there is no difference in the item you wish to order, this will be properly interpreted at the factory and will not cause any problem.

IMPORTANT:

At the front of this manual is an "Owner's Registration Form". Be sure your dealer has completed this form and promptly forwarded a copy to Meyer Manufacturing to validate the manufacturer's warranty. The product model and serial number are recorded on this form and below for proper identification of your Meyer Forage Box by your dealer and the manufacturer when ordering repair parts. The serial number plate is found near the control levers on your forage box and stamped in the front corner of the left hand end frame.

Model No. _____

Serial No. _____

Date of Purchase _____

At the back of this manual is the repair parts section. All replacement parts are to be obtained from or ordered through your Meyer dealership. When ordering repair parts, refer to the parts section and give complete information including quantity, correct part number, detailed description and even Model No. and Serial No. of the forage box which needs repair parts.

HOW TO READ YOUR SERIAL NUMBER

Your serial number is stamped above the discharge opening on the unit discharge end frame.

Example: 11T2242

Model Year / TSS / Model / Sequence of Build

↓ ↓ ↓ ↓
11 T 2 242

NOTE: All references to right hand (RH), left hand (LH), front and rear apply to the product as viewed from the rear of the box.

PRE-DELIVERY & DELIVERY CHECK LIST

TSS Check List

Meyer Manufacturing Corporation

Phone: 715-654-5132 • Toll-Free: 1-800-325-9103 • P.O. Box 405 • Dorchester, WI 54425

This Pre-Delivery & Delivery Check List must be gone through by the Selling Party and the Customer to validate the Owner's Registration Form.

PRE-DELIVERY CHECK LIST

After the New Meyer Forage Box has been completely set-up, check to be certain it is in correct running order before delivering it to the customer.

The following is a list of points to inspect:

Check off each item as you have made the proper adjustments and found the item operating satisfactorily. Any adjustments made, MUST be according to specifications defined in this manual.

- All shields and guards are in place and securely fastened.
- All bolts and other fasteners are secure and tight.
- All mechanisms operate trouble free.
- All grease fittings have been lubricated, gear boxes filled to proper levels, and all roller chains are oiled. See "Lubrication" section of this manual.
- PTO shields turn freely.
- Cross Conveyor Chain and Main Apron Chains are at proper tension. See "Adjustments" section in this manual.
- All roller chain springs adjusted properly for automatic tensioning. See "Adjustments" section in this manual.
- Emergency Stop and Trip Cables operate properly.
- All decals are in place and legible.

DELIVERY CHECK LIST

The following check list is an important reminder of valuable information that **MUST** be passed on to the customer at the time the unit is delivered.

Check off each item as you explain it to the customer.

- Explain to the customer that pre-delivery check list was fully completed.
- Give customer the Owner & Operator's Manual. Instruct to read and completely understand its contents **BEFORE** attempting to operate the Forage Box.
- Explain and review with customer the New Meyer Forage Box manufacturer's warranty.
- Show the customer where to find the serial number on the implement.
- Explain and review with the customer "Safety Precautions" section of this manual.
- Explain and review with customer the proper "Start-up and Operating Procedures" sections of this manual.
- Demonstrate the "Emergency Stop" operation, activation and reset. Also, demonstrate the PTO Shaft Locking Device, Main Clutch adjustments and the three Control Lever operations.
- Explain that regular lubrication and proper adjustments are required for continued proper operation and long life of the Forage Box. Review with the customer the "Lubrication" and "Adjustments" sections of this manual.
- Explain the importance of cross conveyor & main apron chain, and the need to watch and tighten during the break in period.
- Fully complete this "PRE-DELIVERY & DELIVERY CHECK LIST" with the customer.



Meyer Manufacturing Corporation

574 West Center Avenue
Dorchester, WI 54425
Phone: 1-800-325-9103
Fax: 715-654-5513
Email: sales@meyermfg.com
Website: www.meyermfg.com

TABLE OF CONTENTS

INTRODUCTION	2
HOW TO READ YOUR SERIAL NUMBER	2
PRE-DELIVERY & DELIVERY CHECK LIST	3
MANUFACTURER'S WARRANTY	7
SAFETY PRECAUTIONS	9
SAFETY FIRST	10
DECALS - 6200	12
WARNING	14
OPERATION OF THE EMERGENCY STOP	14
EMERGENCY STOP TRIP LOCATIONS	14
RESETTING THE EMERGENCY STOP	14
PRE-OPERATION	15
TRANSPORTING	15
TRUCK MOUNT FORAGE BOXES	17
FRONT UNLOAD DRIVE COUPLER "SET-UP" (PTO OR HYDRAULIC DRIVE)	17
REAR UNLOAD DRIVE COUPLER "SET-UP" (PTO OR HYDRAULIC DRIVE)	19
FRONT UNLOAD VARIABLE SPEED OPERATION WITH INDEPENDENT OUTFEED CLUTCH	21
FORAGE BOX CONTROL LEVERS	21
UNLOADING THE FORAGE BOX	22
START UP PROCEDURES	22
SHUTDOWN PROCEDURES	23
REAR UNLOAD OPERATION PTO OR HYDRAULIC DRIVE	24
LUBRICATION	26
DAILY LUBRICATION	26
BEGINNING OF CROP MAINTENANCE	26
END OF CROP CLEANUP AND MAINTENANCE	27
TWO-SPEED OPERATION	28
CONTROL LEVER	28
UNLOADING THE FORAGE BOX	28
START UP PROCEDURES:	29
TWO SPEED LUBRICATION AND MAINTENANCE	30
ROLLER CHAIN DRIVES	30
RANGE CONTROL CLUTCH ENGAGEMENT	30
DAILY LUBRICATION MAINTENANCE	30
BEGINNING OF CROP MAINTENANCE	30
END OF CROP CLEANUP AND MAINTENANCE	30
ADJUSTMENTS	31
CROSS CONVEYOR CHAIN WITH CROSS APRON HOLD DOWNS	31
MAIN APRON CHAINS	31
CLEAN-OUT PANEL	31
ADJUSTMENT OF 6200 SERIES MAIN APRON CHAINS	32
ROLLER CHAIN DRIVES	33
RANGE CONTROL CLUTCH ADJUSTMENT	33
VARIABLE SPEED BELT REPLACEMENT	33
VARIABLE SPEED CONTROL ADJUSTMENT	33
INDEPENDENT OUTFEED CLUTCH BELT REPLACEMENT	34
INDEPENDENT OUTFEED CLUTCH ADJUSTMENT	35

REPAIR PARTS	38
HYDRAULIC REAR UNLOAD COMPONENTS	38
REAR UNLOAD DRIVE TRAIN	40
OPTIONAL FRONT HYDRAULIC DRIVE	42
FRONT & REAR UNLOAD FORAGE BOX MAIN APRON CHAIN TIGHTENER	44
TSS UNIT FRAME W/IOC	46
TSS CROSS CONVEYOR W/IOC	48
FRONT & REAR UNLOAD MAIN APRON	50
TWO SPEED CLUSTER DRIVE	52
TSS VARIABLE SPEED CLUSTER DRIVE W/IOC	54
RT160 VARIABLE SPEED CLUSTER DRIVE W/IOC	56
TSS AUGERS & AUGER DRIVE	60
INDEPENDENT OUTFEED CLUTCH DRIVE	62
VARIABLE SPEED SHIFTER CONTROLS AND EMERGENCY STOP CLUTCH	64
INDEPENDENT OUTFEED CLUTCH	66
TWO SPEED HI-LO SHIFTER CONTROL	67
UPPER GEAR BOX WITH INPUT SHAFT ASSEMBLY	
10:1	68
19-0206	
RT160 UPPER GEARBOX ASSEMBLY	70
#19-0061	
50:1 RATIO, FRONT, LOWER GEARBOX	72
#19-0161	
50:1 RATIO, FRONT, LOWER GEARBOX	74
#19-0038 2:1 RATIO GEARBOX	76
#18-0117	
UNIVERSAL JOINT TELESCOPING ASSEMBLY	77
#18-0117	
12R UNIVERSAL JOINT TELESCOPING ASSEMBLY W/GUARD	78
STEEL STRINGER TIE DOWN KIT	79
#52-0001TK TSS 12" OPTIONAL EXTENSION KIT	80
#52-0021 OPTIONAL HYDRAULIC LIFT PKG	80
#52-0009K-FB CROSS CONVEYOR EXTENSION KIT	80
HIGHWAY LIGHT PACKAGE	82
6200 SERIES BOX PARTS	84
GRAIN KIT ASSEMBLY	90
GATE DELAY	92
RETURN LINE GATE DELAY	94
TROUBLESHOOTING	96
SPECIFICATIONS	97
MAINTENANCE RECORD	99

MANUFACTURER'S WARRANTY

MEYER (FRONT & REAR UNLOAD) FORAGE BOX

11/2014

- I. The "Owner's Registration Form" must be completed in full and promptly returned to Meyer Mfg. Corp. for this warranty to become both valid and effective. All warranties on new Meyer forage boxes shall apply only to the original retail customer from an authorized Meyer Mfg. Corp. dealership.
- II. This warranty shall not apply to any Meyer forage box which has been subjected to misuse, negligence, alteration, accident, incorrect operating procedures, has been used for an application not designed for or pre-authorized by Meyer in writing, has had the serial numbers altered, or which shall have been repaired with parts other than those obtained through Meyer Mfg. Corp. Meyer is not responsible for the following: Depreciation or damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow the operator's manual recommendations or normal maintenance parts and service. Meyer is not responsible for rental of replacement equipment during warranty repairs, damage to a power unit (including but not limited to a truck or tractor), loss of earnings due to equipment down time, or damage to equipment while in transit to or from the factory or dealer.
- III. Meyer Mfg. Corp. warrants New Meyer Forage Boxes to be free from defects in material and workmanship under recommended use and maintenance service, as stated in the "Owner / Operator's Manual & Parts Book", as follows:
 - A. Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI, as Meyer Mfg. Corp. elects, any part of a new Meyer forage box which is defective in material or workmanship:
 - i. Without charge for either parts or labor during the first (1) year from purchase date to the original retail customer.
 - ii. Without charge for parts only during the second (2) year from purchase date to the original retail customer.
 - B. In addition to the above basic warranty, Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI as Meyer Mfg. Corp. elects:
 - i. Any part of the following which is defective in material or workmanship (not neglect to recommended use and service) without charge for parts only (not labor) during the stated time periods from date of purchase to the original retail customer:

Two (2) Years:	a. The 6200 Series enclosed main apron drive Superior gearbox assembly, Meyer #19-0061 and #19-0161.
	b. The D667X pintle main apron chain assembly.

 - ii. Any part of the following which is defective in material or workmanship (not neglect to recommended use and service) with a "pro-rated" charge for parts only (not labor) during the stated time period from date of purchase to the original retail customer:

Ten (10) Years:	a. The all bolted or all welded steel frame box structure.
	b. The galvanized steel painted panels which comprise the sides and rear of the box portion (not front unit) of the forage box, upon evidence satisfactory to Meyer Mfg. Corp., that any such panel either rusted or corroded through or cracked or split.
- IV. COMMERCIAL USE: Coverage as in paragraph III.A.i. ONLY, except warranty cover is for (90) days for parts and labor to the original commercial retail customer.
- V. Repairs eligible for labor warranty must be made by Meyer Mfg. Corp. or an authorized Meyer dealership. The original retail customer is responsible for the transportation of the forage box to the dealership for warranty service or for any service call expenses.
- VI. Except as stated above, Meyer mfg. Corp. shall not be liable for injuries or damages of any kind or nature, direct, consequential, or contingent, to persons or property. This warranty does not extend to loss of crop or for any other reasons.
- VII. No person is authorized to give any warranties or to assume any other obligation on Meyer Mfg. Corp.'s behalf unless made or assumed in writing by Meyer Mfg. Corp. This warranty is the sole and exclusive warranty which is applicable in connection with the manufacture and sale of this product and Meyer Mfg. Corp.'s responsibility is limited accordingly.
- VIII. Tires, optional scales and tarps fall under the original manufacturer's warranty.



Meyer Manufacturing Corporation

574 West Center Avenue

Dorchester, WI 54425

Phone: 1-800-325-9103

Fax: 715-654-5513

Email: sales@meyermfg.com

Website: www.meyermfg.com



SAFETY PRECAUTIONS



This symbol is used to call attention to instructions concerning personal safety. Be sure to observe and follow these instructions. Take time to be careful!



WARNING: BEFORE ATTEMPTING TO OPERATE THIS FORAGE BOX, READ AND STUDY THE FOLLOWING SAFETY INFORMATION. IN ADDITION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THE FORAGE BOX, WHETHER FAMILY MEMBER OR EMPLOYEE, IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

The emergency stop mechanism stops only the front unloading unit from operating and not the rear unloading operation of the forage box! Trip the emergency stop regularly with the trip cables to ensure that it will shut the front unloading unit down in an emergency.

Require anyone who will operate this forage box to read and completely understand this owner's manual. Give necessary instructions.

DO NOT operate, service, inspect or otherwise handle this forage box until all operators have read this Owner's Manual and have been properly trained in its intended usage.

DO NOT allow minors (children) or inexperienced persons to operate this forage box.

If the forage box becomes clogged, shut off the tractor engine and allow all mechanisms to stop. Disconnect PTO shaft or hydraulic drive supply hoses (relieve hydraulic pressure). Then, clean or work on the forage box as required.

Always shut off power and disconnect PTO shaft or Hydraulic drive supply hoses (relieve hydraulic pressure) from tractor to prevent accidental startup or unexpected movement before working on forage box.

DO NOT clean, adjust or reset the emergency stop while the forage box is in motion.

Make sure all hydraulic fittings are tight and that all hoses are in good condition. Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin and cause serious injury. Never investigate for hydraulic leaks by using a part of the body to feel for escaping fluid.

Inspect when first delivered and regularly thereafter; that all connections and bolts are tight and secure before operating.

Know how to stop the unloading unit of the forage box before starting it!

DO NOT operate until all shields and guards are in place and securely fastened.

Make certain everyone is clear of the forage box before applying power.

Keep hands, feet and clothing away from moving parts. Loose or floppy clothing should not be worn by the operator.

Stay well clear of the cross conveyor and discharge opening while operating.

DO NOT step up on any part of the forage box at any time. DO NOT use the PTO guard as a step.

DO NOT step over the power take-off shaft. Stay clear of the PTO at all times.

Keep PTO shaft telescoping tube shields turning freely. Keep PTO master shield on tractor. Replace damaged or missing shields.

Match the right tractor PTO spline and speed with the PTO driveline provided with the implement. Never operate PTO above normal 540 RPM rating. Never connect forage box PTO shaft to a 1000 RPM tractor PTO. Never use a spline adapter.

Keep the forage box away from power lines. Contact with electric lines may result in serious injury or death by electrocution!

Use only properly rated running gear and tires.

DO NOT tow at speeds in excess of 20 MPH when transporting this forage box. Never exceed a safe travel speed.

Observe all applicable traffic laws when transporting on public roadways (where legal to do so). Check local laws for all highway lighting and marking requirements.

Always install a SMV emblem on forage box for transporting on roadways and keep this emblem clean and bright.

MEYER MFG. CORP. PROVIDES GUARDS FOR EXPOSED MOVING PARTS FOR THE OPERATOR'S PROTECTION; HOWEVER, SOME AREAS CANNOT BE GUARDED OR SHIELDED IN ORDER TO ASSURE PROPER OPERATION. THE OPERATOR'S MANUAL AND DECALS ON THE FORAGE BOX ITSELF WARN YOU OF DANGERS AND MUST BE READ AND OBSERVED CLOSELY!

Study the Above Safety Rules

FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.



SAFETY FIRST



A brief definition of signal words that are used in this manual is as follows:



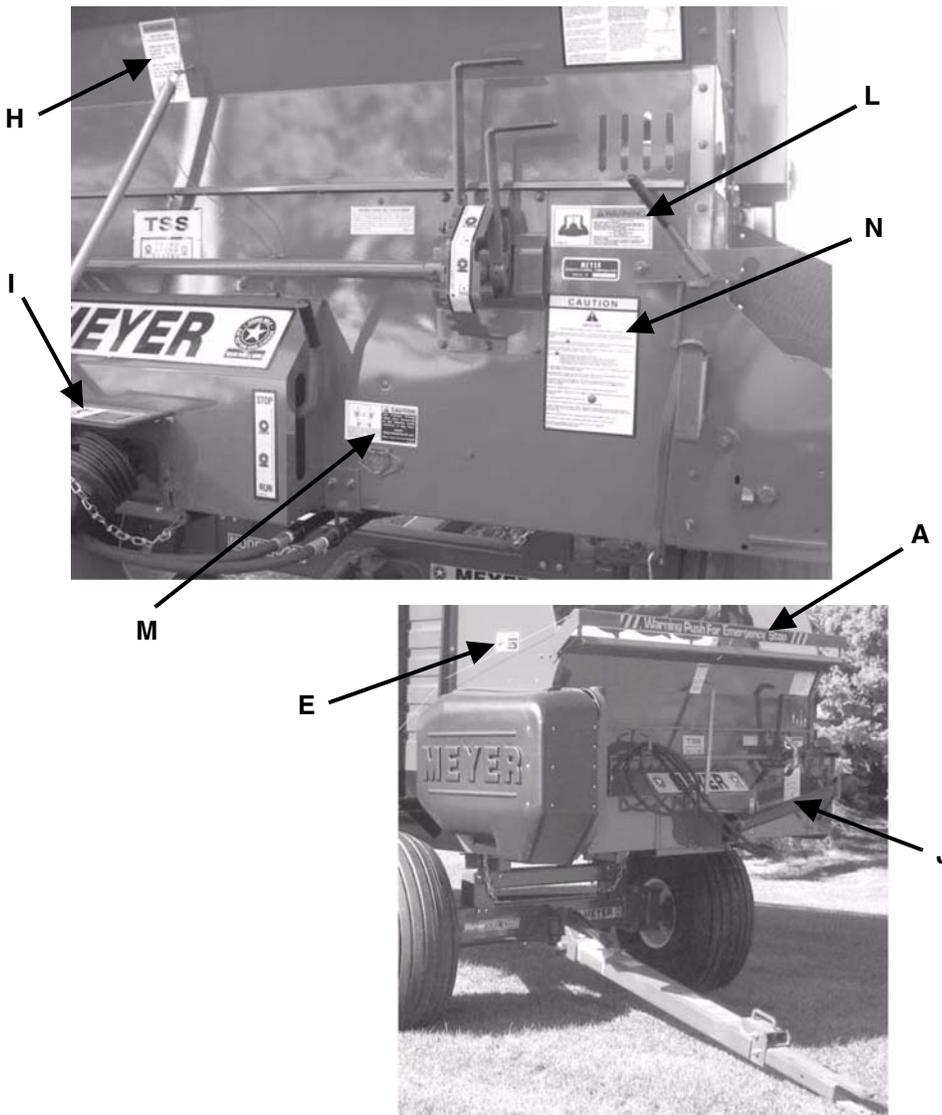
DANGER indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.



WARNING indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury and includes hazards that are exposed when guards are removed.



CAUTION indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It is also used to alert against unsafe practices.



See page 12 & 13 for decals.



CAUTION: READ ALL DECALS ON THE FORAGE BOX AND IN THIS MANUAL. KEEP THESE DECALS CLEAN AND REPLACE ANY LOST OR DESTROYED DECALS. BECOME FAMILIAR WITH ALL TRACTOR AND FORAGE BOX CONTROLS.



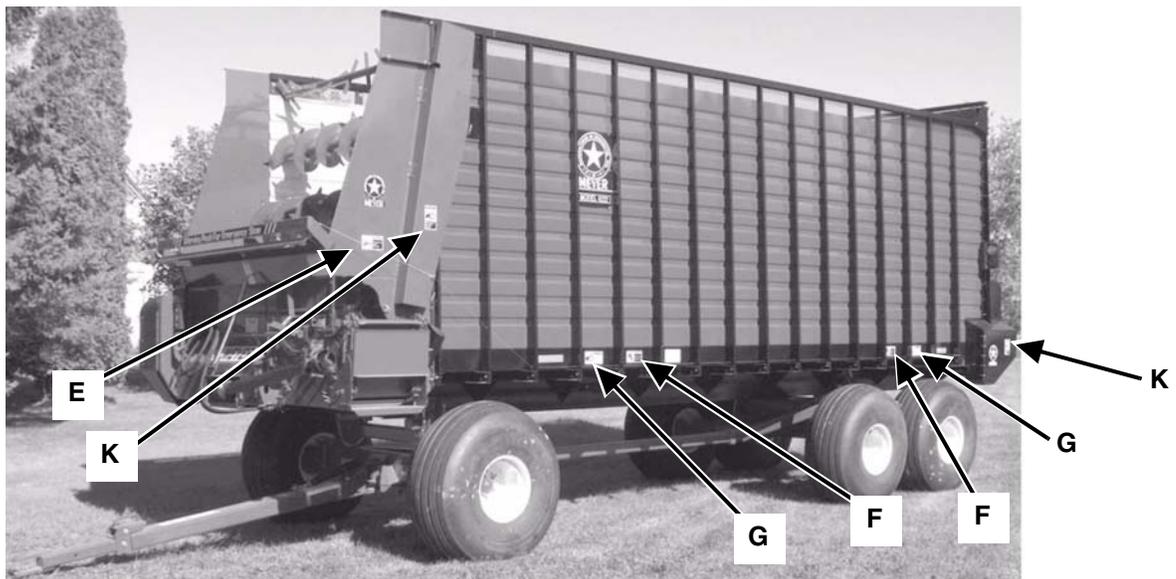
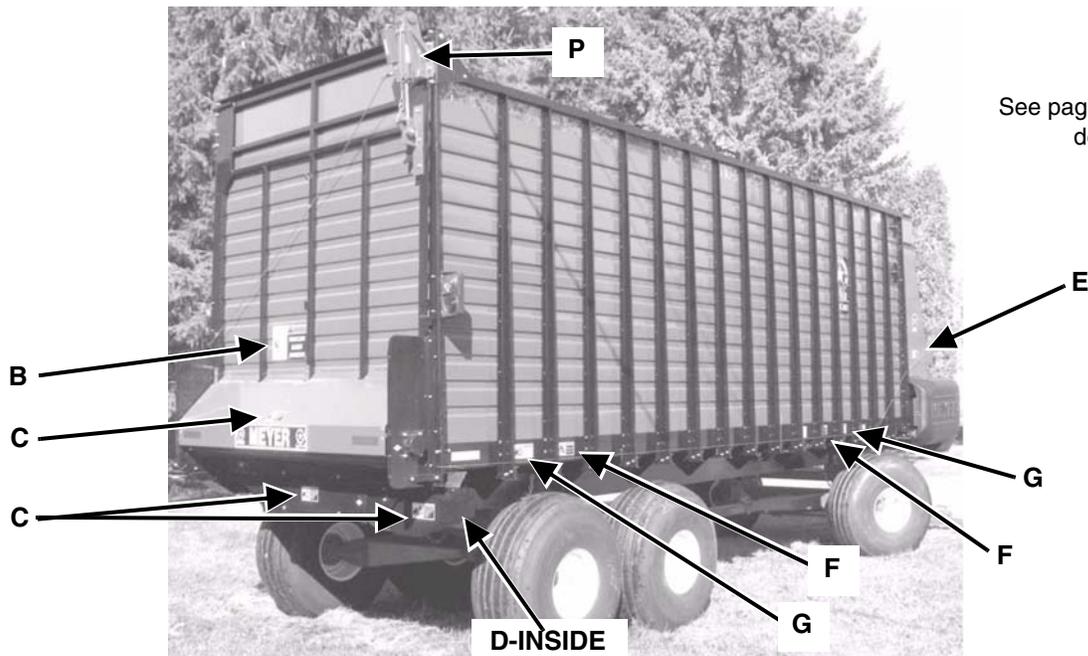
SAFETY FIRST



The Meyer Forage Box is manufactured with operator safety in mind. Located on the forage box are various decals to aid in operation and warn of danger or caution areas. Pay close attention to all decals on the forage box.



DO NOT REMOVE ANY DECALS. IF DECALS ARE LOST, DAMAGED OR IF FORAGE BOX IS REPAINTED, REPLACE DECALS. REMEMBER: DECALS ARE FOR YOUR PROTECTION AND INFORMATION.



CAUTION: READ ALL DECALS ON THE FORAGE BOX AND IN THIS MANUAL. KEEP THESE DECALS CLEAN AND REPLACE ANY LOST OR DESTROYED DECALS. BECOME FAMILIAR WITH ALL TRACTOR AND FORAGE BOX CONTROLS.

DECALS - 6200

A brief definition of signal words that are used in this manual is as follows:

! **DANGER** indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

! **WARNING** indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury and includes hazards that are exposed when guards are removed.

! **CAUTION** indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It is also used to alert against unsafe practices.



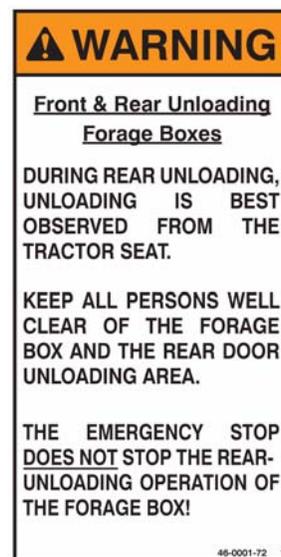
DECAL A - 46-0001-14 & 46-0001-15



DECAL B - 46-0011



DECAL C - 46-0001-4



DECAL H - 46-0001-72



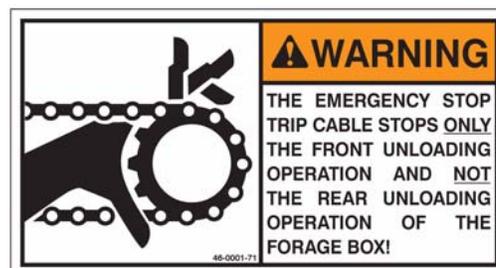
DECAL D - 46-0001-26



DECAL E - 46-0001-5



DECAL F - 46-0001-20



DECAL G - 46-0001-71

See page 10 & 11 for decals.

! **CAUTION: READ ALL DECALS ON THE FORAGE BOX AND IN THIS MANUAL. KEEP THESE DECALS CLEAN AND REPLACE ANY LOST OR DESTROYED DECALS. BECOME FAMILIAR WITH ALL TRACTOR AND FORAGE BOX CONTROLS.**

DECALS - 6200

A brief definition of signal words that are used in this manual is as follows:

! **DANGER** indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

! **WARNING** indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury and includes hazards that are exposed when guards are removed.

! **CAUTION** indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It is also used to alert against unsafe practices.



DECAL I - 46-0004-2



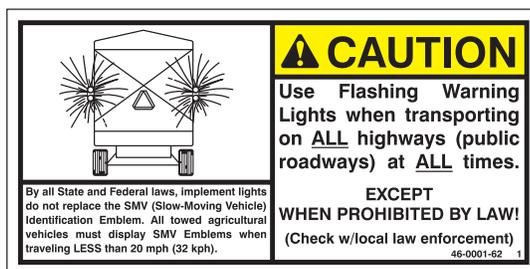
DECAL J - 46-0001-13



DECAL K - 46-0001-33



DECAL N - 46-0001-22



DECAL M - 46-0001-62



DECAL L - 46-0001-35



DECAL P - 46-8500-7

! **CAUTION: READ ALL DECALS ON THE FORAGE BOX AND IN THIS MANUAL. KEEP THESE DECALS CLEAN AND REPLACE ANY LOST OR DESTROYED DECALS. BECOME FAMILIAR WITH ALL TRACTOR AND FORAGE BOX CONTROLS.**



WARNING



WARNING: IF FOR ANY REASON THE EMERGENCY STOP MECHANISM DOES NOT FUNCTION PROPERLY, DO NOT USE THE MACHINE UNTIL IT IS REPAIRED. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

OPERATION OF THE EMERGENCY STOP

Across the upper edge of the front unloading unit is a “Warning Push For Emergency Stop” pushbar. By pushing on this bar during front unloading operation only, the forage box will shut down in an emergency.

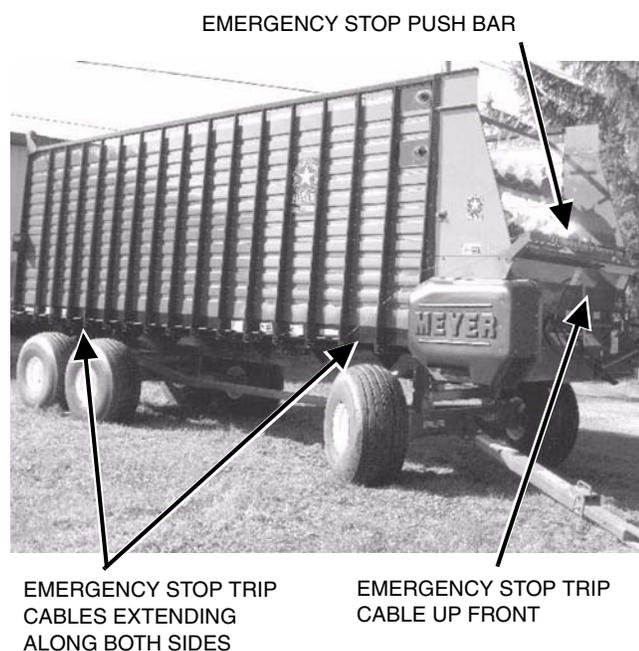
Emergency stop trip cables connected to the “Emergency Stop” pushbar extend along both sides and down the front of the forage box. Pulling on these trip cables will also shut down the front unloading unit of the forage box in an emergency.

NOTE: The emergency stop mechanism DOES NOT STOP the PTO drive shaft, nor the rear unloading operation of the forage box.



WARNING: THE EMERGENCY STOP MECHANISM STOPS ONLY THE FRONT UNLOADING UNIT FROM OPERATING AND NOT THE REAR UNLOADING OPERATION OF THE FORAGE BOX!

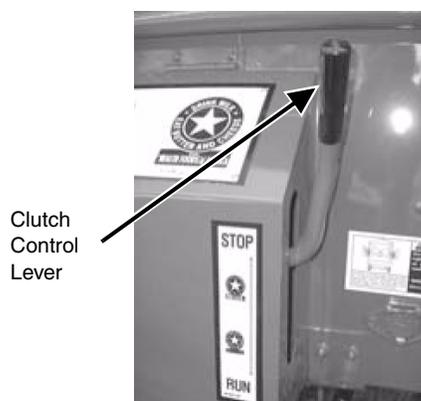
EMERGENCY STOP TRIP LOCATIONS



RESETTING THE EMERGENCY STOP



WARNING: DO NOT RESET THE EMERGENCY STOP MECHANISM UNTIL ALL PEOPLE, TOOLS AND OTHER OBJECTS ARE WELL CLEAR OF THE FORAGE BOX. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.



INDEPENDENT OUTFEED CLUTCH CONTROL LEVER

To reset the emergency stop mechanism, fully engage the INDEPENDENT OUTFEED CLUTCH control lever into the “RUN” position.

Check frequently to be assured that the emergency stop mechanism is in proper operating condition. Slowly engage the tractor PTO and operate the forage box at an idle speed to ensure it is operating properly. Push the emergency stop bar across the upper edge of the front unloading unit, to ensure that the forage box can be shut down in an emergency.

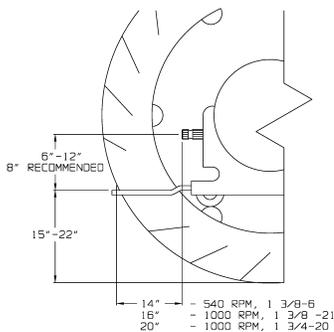
Reset the emergency stop and recheck using the emergency stop trip cables at various locations to ensure that the forage box can be shut down in an emergency. Periodically repeat emergency stop inspections during the operating season and at all times keep excessive slack out of the emergency stop trip cables.

PRE-OPERATION

Be certain your forage box is properly mounted to the running gear. Consult your dealer if you have any questions about the tie down kit from the manufacturer and illustrated in the parts listing of this manual.

DO NOT fill the cross conveyor unloading area with forage to get extra capacity. Overloading puts unnecessary pressures and strains on the cross conveyor and auger drive.

This forage box is to be operated with 540 RPM PTO ONLY. No PTO adapter may be used to alter speed or geometry. Set your tractor drawbar to conform to the standard dimensions as shown on the following illustration. This will ensure that the PTO drive shaft will not be over extended.



DRAWBAR & PTO RELATIONSHIP

! DANGER: DO NOT OPERATE WITHOUT PTO GUARD ON MACHINE AND ON TRACTOR. MAINTAIN PTO DRIVE SHAFT GUARDS IN OPERATING CONDITION. REPLACE THEM IF DAMAGED AND NOT TURNING FREELY. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

! WARNING: INSPECT REGULARLY THAT ALL CONNECTIONS AND BOLTS ARE TIGHT AND SECURE BEFORE OPERATING. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Inspect the forage box for proper adjustments as this will ensure maximum machine performance. See "Adjustments" section. Grease and oil the forage box as required. See "Lubrication" section.

! WARNING: DO NOT OPERATE UNTIL ALL SHIELDS AND GUARDS ARE IN PLACE AND SECURELY FASTENED. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

TRANSPORTING

Always disconnect the PTO drive shaft from the tractor and return it to the PTO storage bracket on the unloading unit before transporting. Failure to do this may result in equipment damage.

If you have a fold down cross conveyor extension, always transport with this extension folded up to reduce your width. Check and observe that the rear discharge door is completely latched closed before traveling on roadways.



FOLD DOWN CROSS CONVEYOR EXTENSION

! WARNING

To prevent serious injury or death:

- Read and understand owner's manual before using. Review safety precautions annually.
- No riders allowed when transporting.
- Securely attach to towing unit. Use a high strength appropriately sized hitch pin with a mechanical retainer and attach safety chain.
- Do not exceed 20 mph (33 kph). Slow down for corners and rough terrain.
- Do not drink and drive.
- Before moving running gear, be sure required lights and reflectors are installed and working.
- Before maintenance or repair, stop vehicle, set parking brake, and remove ignition key.
- Place safety stands under frame and chock wheels before working on tires or running gear.
- Maintain wheel bolts at torque as recommended in the manual.
- If equipped with brakes, maintain proper adjustment.

46-0800-4

! WARNING

CRUSHING HAZARD

To prevent serious injury or death:

- Keep hands and body out of hitch area when attaching towing vehicle.
- Keep body clear of crush point between towing vehicle and load.

46-0800-6

! WARNING

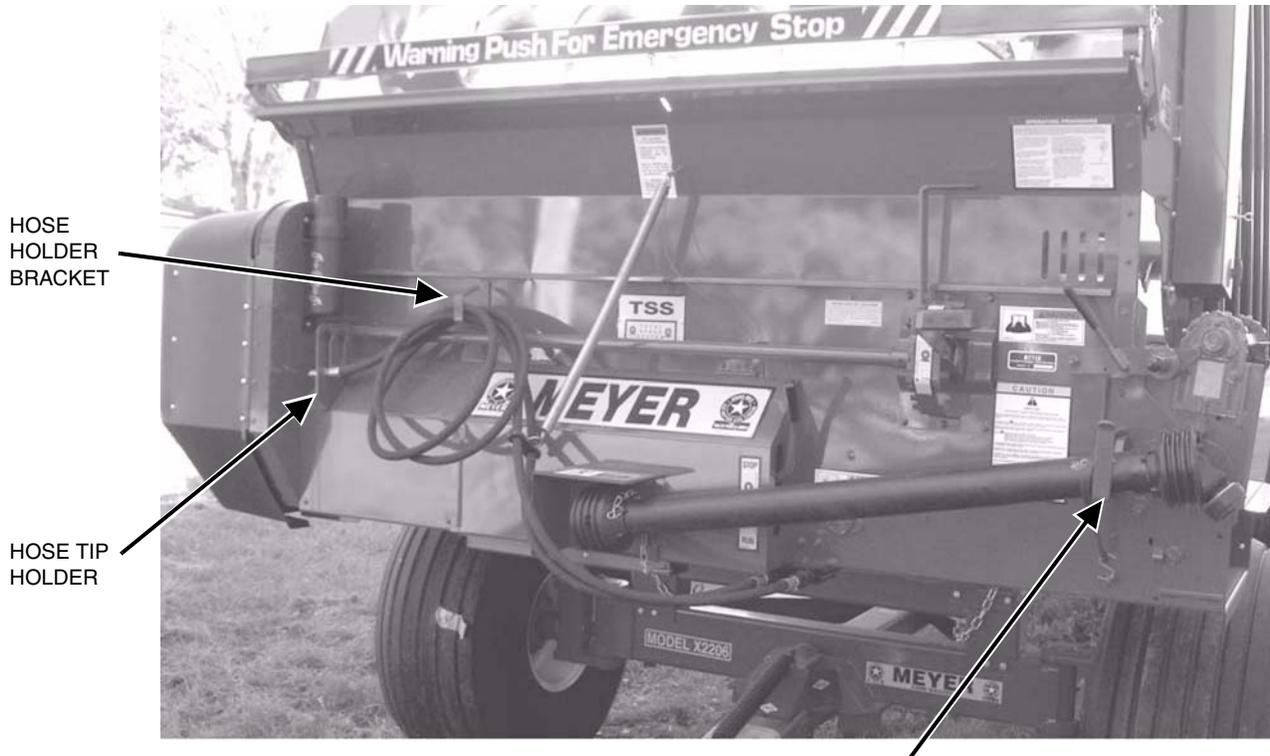
RUN-AWAY HAZARD

To prevent serious injury or death:

- Shift to lower gear before going down steep grades.
- Keep towing vehicle in gear at all times.
- Never exceed a safe travel speed.

46-0800-7

! WARNING: INSTALL A SMV EMBLEM ON REAR OF FORAGE BOX FOR TRANSPORTING ON ROADWAYS. KEEP THIS EMBLEM CLEAN AND BRIGHT. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.



IMPORTANT: Support hoses on Hose Holder Bracket to relieve weight & stress from hose tip holder.

PTO DRIVE SHAFT STORAGE HANGER

PROPER PTO DRIVE SHAFT AND HYDRAULIC HOSE STORAGE

Your running gear probably has a telescoping tongue for convenience to hitch up. Always back up and lock this tongue in the operating position after hitching.

! WARNING: YOU MUST OBSERVE ALL APPLICABLE TRAFFIC LAWS WHEN TRANSPORTING ON PUBLIC ROADWAYS. CHECK LOCAL LAWS FOR ALL HIGHWAY LIGHTING AND MARKING REQUIREMENTS. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

! WARNING: DO NOT TOW AT SPEEDS IN EXCESS OF 20 MPH. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Tractor PTO Horsepower Requirements: The PTO horsepower requirements may not reflect adequate tractor size for towing the machine. Refer to tractor weight requirements for these recommendations and safety section for additional tractor and towing requirements.

Operating speed is dictated by the terrain over which you are traveling. Always use caution. Avoid traveling on slopes or hills that are unsafe.

If you will travel on public roads and it is legal to do so, you must know all rules governing such operation. This will include lighting and brake requirements in addition to traffic rules. You will also be required to install a safety chain device on the running gear.

! CAUTION: USE FLASHING WARNING LIGHTS WHEN TRANSPORTING ON ALL PUBLIC ROADWAYS, EXCEPT WHEN PROHIBITED BY LAW.

	! CAUTION
	Use Flashing Warning Lights when transporting on ALL highways (public roadways) at ALL times.
	EXCEPT WHEN PROHIBITED BY LAW! (Check w/local law enforcement)
By all State and Federal laws, implement lights do not replace the SMV (Slow-Moving Vehicle) Identification Emblem. All towed agricultural vehicles must display SMV Emblems when traveling LESS than 20 mph (32 kph).	46-0001-62 1

Check for traffic constantly. Be sure you can see that no one is attempting to pass you and that all traffic is sufficiently clear from you before making any turns.

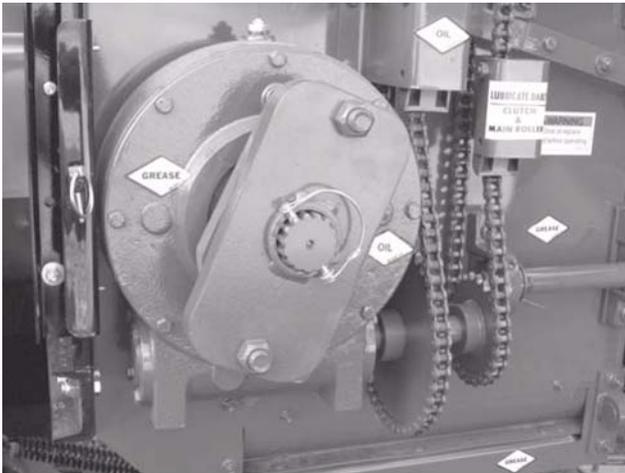
TRUCK MOUNT FORAGE BOXES

Depending on the make and model of truck it may be necessary to install a light converter (MEYER PART #56-0028). Converter will allow signal lights and brake lights to operate according to DOT lighting standard. Call factory for more information.

FRONT UNLOAD DRIVE COUPLER “SET-UP” (PTO OR HYDRAULIC DRIVE)



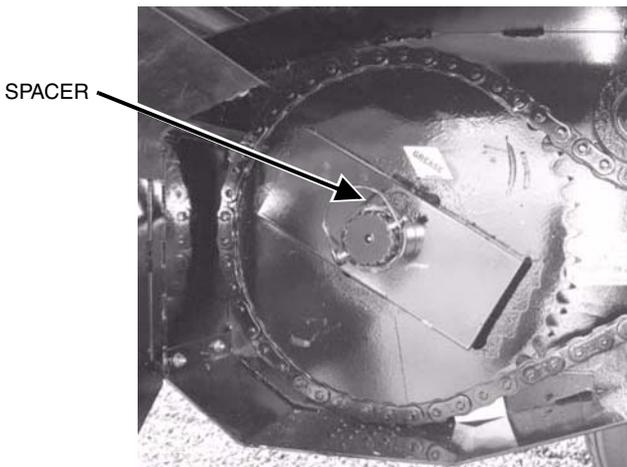
WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS FORAGE BOX. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.



(Shield Removed For Illustration Purposes Only)
COUPLING PLATE

STEP 1

Install Coupling Plate and snap pin onto the large gearbox assembly, splined shaft at the FRONT of the forage box.



(Shield Removed For Illustration Purposes Only)
SLEEVE SPACER

STEP 2 IMPORTANT! (MUST PERFORM)

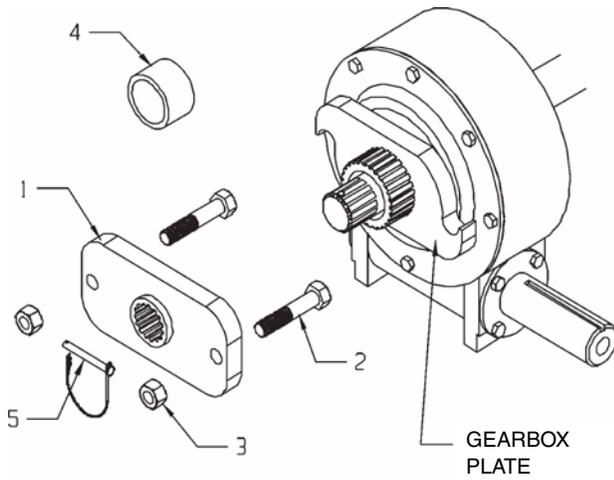
Install sleeve spacer and snap pin onto the hydraulic drive gearbox at the REAR of the forage box. The internal splined shaft will be idling in reverse and the gearbox quill zerk must be greased daily.



WARNING: DO NOT OPERATE WITHOUT ALL SHIELDS, GUARDS AND COVERS INSTALLED. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Operating Procedures: See Front Unload "VARIABLE SPEED OPERATION with IOC" Page 21.

#37-0010 COUPLING PLATE ASSEMBLY COMPLETE



KEY	PART NO.	DESCRIPTION
1	37-0015	Splined Drive Plate
2	831-7516-2	Drive Bolt, 3/4-16 x 2 Allen Head GR8
3	844-7516	3/4-16 Flange Top Lock Nut
4	43-0025	Idler Sleeve Spacer
5	823-0004	Snap Pin

REAR UNLOAD DRIVE COUPLER “SET-UP” **(PTO OR HYDRAULIC DRIVE)**

! **WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS FORAGE BOX. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.**



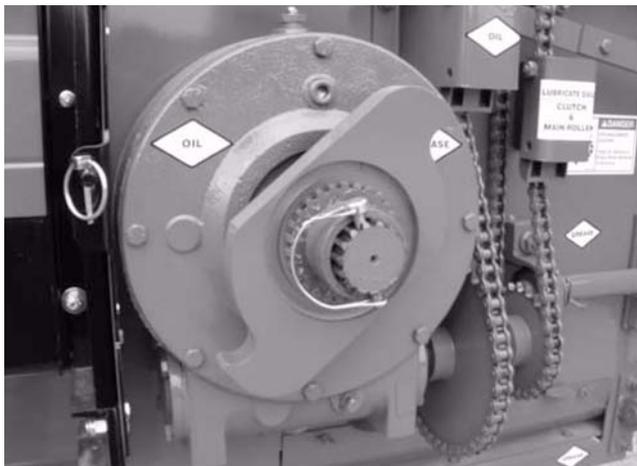
(Shield Removed For Illustration Purposes Only)
COUPLING PLATE

STEP 1

Install Coupling Plate and snap pin onto the large gearbox assembly on the splined shaft at the REAR of the forage box.

NOTE: The rear unloading gearbox and hydraulically driven motor, hydraulic return line features a check valve to protect and prevent any accidental damage by mistakenly, or incorrectly coupling hydraulic hoses to the tractor. The check valve is equipped with a reverse flow feature which will allow the box to run in a reverse direction for drive plate removal. Reverse hydraulic flow approximately 10-15 seconds to rotate gearbox drive plate away from the removable drive plate. **DO NOT RUN IN REVERSE FOR UNLOADING!**

STEP 2 **IMPORTANT! (MUST PERFORM)**



(Shield Removed For Illustration Purposes Only)
SLEEVE SPACER

Install sleeve spacer and snap pin onto the large gearbox assembly, splined shaft at the FRONT of the forage box. The internal splined shaft will be idling in reverse and the gearbox quill zerk must be greased daily.

! **WARNING: DO NOT OPERATE WITHOUT ALL SHIELDS, GUARDS AND COVERS INSTALLED. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.**

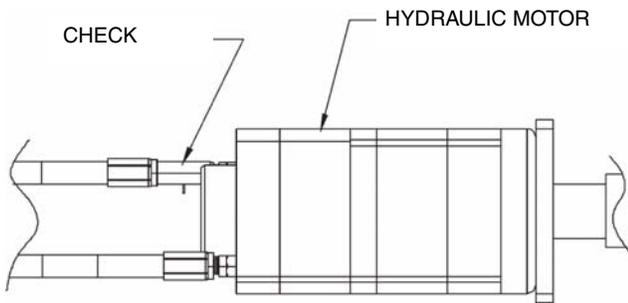


INDEPENDENT OUTFEED CLUTCH LEVER

STEP 3

Move the Independent Outfeed Clutch lever to “STOP” (UP).

NOTE: The PTO driven Independent Outfeed Clutch can be used to clean out accumulation of forage from the front unit cross conveyor without changing the drive coupler for forage box rear unloading.



HYDRAULIC CHECK VALVE AT REAR OF BOX

STEP 4 (HYDRAULIC DRIVE)

Couple both supply and return line hydraulic hoses of the forage box to the hydraulic outlets of the towing tractor.

NOTE: The rear unloading gearbox and hydraulic driven motor, hydraulic return line features a check valve to protect and prevent any accidental damage by mistakenly, or incorrectly coupling hydraulic hoses to the tractor. The check valve makes it impossible to run the main apron chain in the wrong direction and cause damage to the forage box.

Operating Procedures: See “REAR UNLOAD OPERATION” (HYD or PTO) Page 24

FRONT UNLOAD VARIABLE SPEED OPERATION WITH INDEPENDENT OUTFEED CLUTCH

FORAGE BOX CONTROL LEVERS

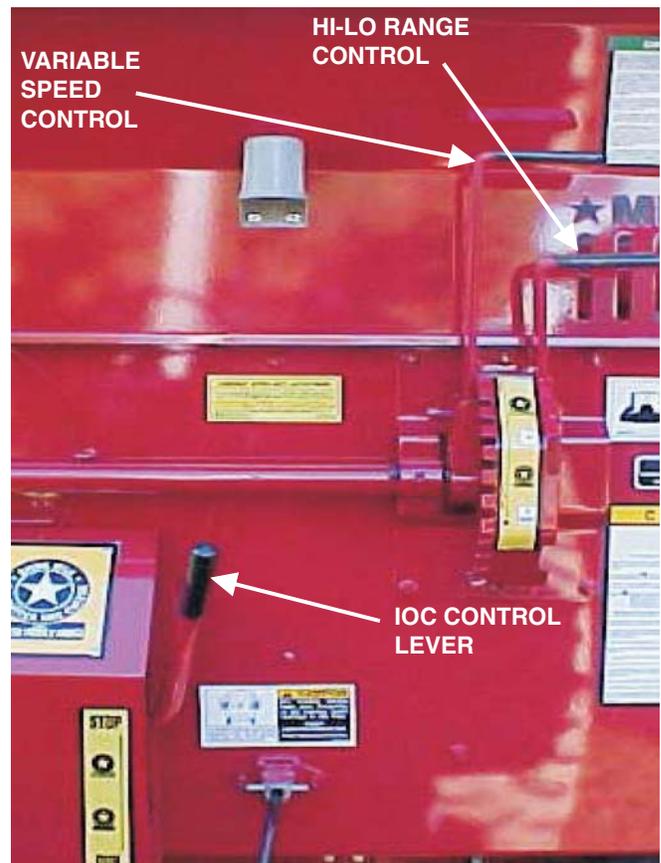
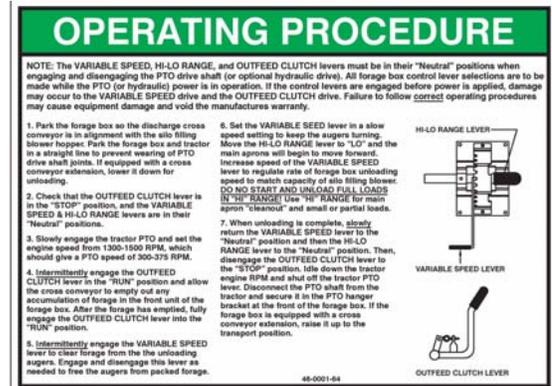
DECAL #46-0001-64

! WARNING: NEITHER THE VARIABLE SPEED NOR THE HI-LO RANGE CONTROL LEVER WILL DISENGAGE THE CROSS CONVEYOR. ONLY THE TRACTOR PTO, INDEPENDENT OUTFEED CLUTCH, OR EMERGENCY STOP MECHANISM WILL STOP THE CROSS CONVEYOR. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Facing the front of the forage box, the lower most RH control lever is the INDEPENDENT OUTFEED CLUTCH control. Moving this control lever down into the “Run” position engages the cross conveyor and main drive mechanism. Engage this control lever into the “Run” position for normal operation. Once this control lever is engaged, it acts as the emergency stop when pushing on the “Warning Push for Emergency Stop” push bar or when pulling on the emergency stop trip cables.

The LH control lever is the VARIABLE SPEED control. Moving this control lever regulates rotational speed of the unloading augers and the forward speed of the main apron chains, in conjunction with the HI-LO RANGE control. At the uppermost notch on the control quadrant, the VARIABLE SPEED control is in “Neutral” position. In this position, neither the main apron chains advance, nor do the unloading augers rotate under load, regardless of the position of the HI-LO RANGE control. Moving the VARIABLE SPEED control lever down on the control quadrant increases speed of both auger rotation and main apron chain forward travel.

The RH control lever is the HI-LO RANGE control. Center detent is the “Neutral” position. Shifting the lever up on the control quadrant is “LO” RANGE and shifting the lever fully down is “HI” RANGE. Range selection affects the forward speed of the main apron chains only. In the “Neutral” position, the main apron chain does not travel forward.



Three levers control operating the front unloading unit of the forage box.

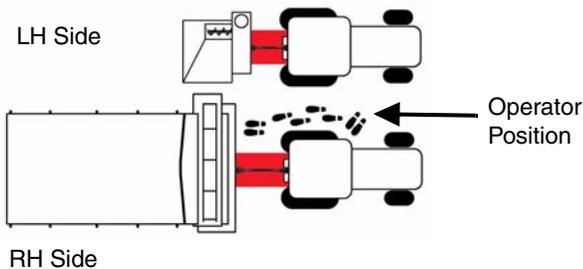
1. INDEPENDENT OUTFEED CLUTCH - IOC
2. VARIABLE SPEED
3. "HI-LO RANGE"

UNLOADING THE FORAGE BOX

Pull the forage box into position and park so that the cross conveyor discharge opening is in alignment with the silo filling blower hopper. If the forage box is equipped with a fold down cross conveyor extension, it can be lowered before pulling in front of the blower. After a couple of parking trails, you may become familiar with the correct parking place and be able to lower the cross conveyor extension after parking. Always park the forage box and unloading tractor in a straight line. Minimize the unloading angle on the PTO drive shaft to prevent wearing of universal joints when connected to the unloading tractor PTO. Shift the unloading tractor to "Neutral" or "Park" and set the brakes.

NOTE: Normal operation is using a farm tractor. If using some other vehicle, exercise equivalent caution when parking and exiting this vehicle.

Properly dismount from the tractor and approach the forage box by walking along the left side of the tractor as shown in the following diagram. Do not approach the forage box from the right side of the machine (left hand unload). Approach the left front area of the forage box, as this is where the control levers are located. Standing in the operator position will not require crossing the PTO drive shaft at any time during the unloading operation.



OPERATOR TRAFFIC PATTERN

WARNING: DO NOT STEP OVER THE PTO DRIVE SHAFT. STAY WELL CLEAR OF THE PTO AT ALL TIMES. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

WARNING: DO NOT STEP UP ON ANY PART OF THE FORAGE BOX AT ANY TIME. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

START UP PROCEDURES

Remove PTO drive shaft from the forage box PTO storage bracket and connect to the tractor PTO. Be sure the PTO yoke is securely locked to the tractor PTO. If using an optional hydraulic drive, couple the hydraulic hoses to the power supply.

Check that the INDEPENDENT OUTFEED CLUTCH control lever is in the "Stop" position and the VARIABLE SPEED & HI-LO RANGE control levers are in the "Neutral" positions.

NOTE: The INDEPENDENT OUTFEED CLUTCH, VARIABLE SPEED, and HI-LO RANGE control levers must be in their "Stop" or "Neutral" positions when engaging and disengaging the PTO drive shaft (or optional hydraulic drive). All forage box control lever selections are to be made while the PTO (or hydraulic) power is in operation. If the control levers are engaged before power is applied, damage may occur to the Variable Speed drive or Independent Outfeed Clutch drive or both. Failure to follow correct operating procedures may cause equipment damage and may void the manufacturer's warranty.

At this time, start the silo filling blower. Return to the forage box unloading tractor, slowly engage the PTO, and set the engine speed from 1300-1500 RPM to give a PTO speed of 300-375 RPM.

Return to the operator's position adjacent to the forage box controls. Intermittently engage the INDEPENDENT OUTFEED CLUTCH control lever to the "Run" position and allow the cross conveyor to empty out any accumulation of forage in the front unloading unit. After the forage has emptied, fully engage the INDEPENDENT OUTFEED CLUTCH control lever into the "Run" position.

Next, engage the VARIABLE SPEED control lever to clear forage from the three unloading augers. Intermittently move the lever between "Neutral" and the 1st and/or 2nd notch settings on the control quadrant. This will engage and disengage the augers at a slow speed to clear them without the main apron moving forward; because the HI-LO RANGE control lever is still in "Neutral."

With the augers cleared and running and the VARIABLE SPEED control lever in a slow speed setting, move the RANGE control lever to “LO” and the main apron chain will begin to move forward. Moving the VARIABLE SPEED control lever down on the control quadrant will increase speed of both auger rotation and main apron forward travel. Keep increasing speed of the VARIABLE SPEED control to regulate rate of forage box unloading speed to match the capacity of the silo filling blower. Slow up, but do not stop the VARIABLE SPEED control when shifting to “HI” RANGE.



CAUTION: YOU CAN MOVE THE RANGE CONTROL LEVER TO “HI” FOR CLEAN-OUT AT THE END OF UNLOADING AND YOU MAY ALSO FIND IT TO BE AN APPROPRIATE SPEED SELECTION FOR SMALL OR PARTIAL LOADS. DO NOT START AND UNLOAD FULL LOADS IN “HI” RANGE.

NOTE: Control lever settings must be made while the forage box front unloading unit is in operation. Moving the control levers with the unloading unit stopped will be difficult or impossible. This may cause equipment damages and may void the manufacturer’s warranty.

When finished unloading the forage box, perform the “Shut Down Procedures.”

SHUTDOWN PROCEDURES

For proper operation, it is IMPORTANT that when unloading is completed to slowly return the VARIABLE SPEED control lever to the “Neutral” position and then the HI-LO RANGE control lever to the “Neutral” position. Then, disengage the INDEPENDENT OUTFEED CLUTCH control lever to the “Stop” position. This will prepare the forage box front unloading unit for proper “start-up” on the next load of forage.

NOTE: Control lever settings must be made while the forage box front unloading unit is in operation. Moving the control levers with the unloading unit stopped will be difficult or impossible. This may cause equipment damages and may void the manufacturer’s warranty.

Idle down the tractor engine RPMs. Disengage the PTO drive shaft and turn the tractor “OFF.” When all movement has stopped, disconnect the PTO drive shaft from the forage box unloading tractor and return it to the PTO storage bracket. Secure the PTO drive shaft into the PTO storage bracket with the rubber tie down strap. Shut down the silo filling blower tractor and wait for all motion to stop. If the forage box is equipped with a cross conveyor extension, raise it up to the transport position and securely latch it before traveling on roadways.

The unloading process described is to be performed by the operator alone. This will eliminate unexpected “start-ups” and minimize other hazards that could result by more than one person in control. If the forage box or silo filling blower should become clogged, shut off all power to the forage box and blower. Wait for all motion to stop. Disconnect PTO drive shaft or hydraulic supply and return hoses. Then, clean out the machine.

Never use “live” power to aid in the clean-out of a clogged machine. If any mechanism fails, move the forage box to a safe work area and then repair the mechanism before proceeding with unloading of the forage. If repairs require the removal of forage from inside of the forage box, then remove the rear discharge door (bolted hinges on top of each side) and then empty the forage manually by hand through the rear opening.



DANGER: NEVER ENTER THE FORAGE BOX OR FRONT UNLOADING UNIT FOR ANY REASON WITHOUT FIRST DISCONNECTING PTO DRIVE SHAFT OR HYDRAULIC HOSES FROM POWER SUPPLY. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Never enter the forage box for any reason if there is any possibility of power being applied to the unit.

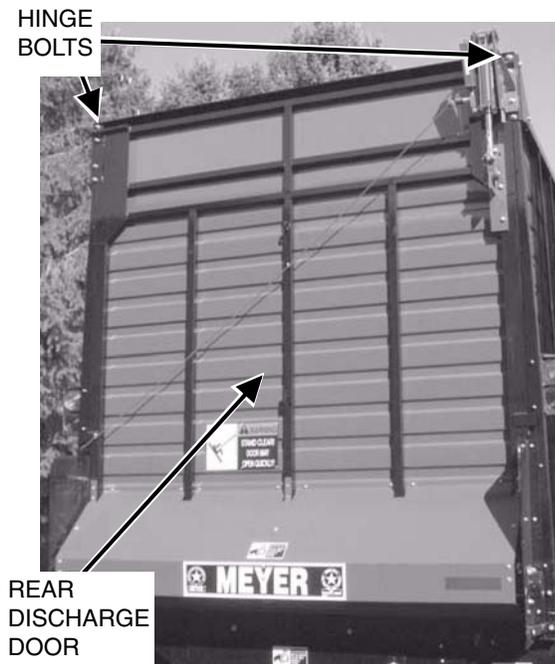
REAR UNLOAD OPERATION PTO OR HYDRAULIC DRIVE

! WARNING: MAKE CERTAIN EVERYONE IS WELL CLEAR OF EQUIPMENT BEFORE APPLYING POWER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Always park the forage box and unloading tractor in a straight line. Minimize the unloading angle on the PTO drive shaft to prevent wearing of universal joints when connected to the unloading tractor PTO. Shift the unloading tractor to "Neutral" or "Park" and set the brakes.

NOTE: Normal operation is using a farm tractor. If using some other vehicle, exercise caution when parking and exiting this vehicle.

Remove the PTO drive shaft from the forage box PTO storage bracket and connect it to the tractor PTO. Be sure the PTO yoke is securely locked to the tractor PTO. Move the Independent Outfeed Clutch control lever to the "Stop" position. If using a hydraulic drive, couple the hydraulic hoses to the power supply. Be sure the hydraulic hoses are securely locked to the tractor hydraulic couplers.



REAR OPENING DISCHARGE DOOR

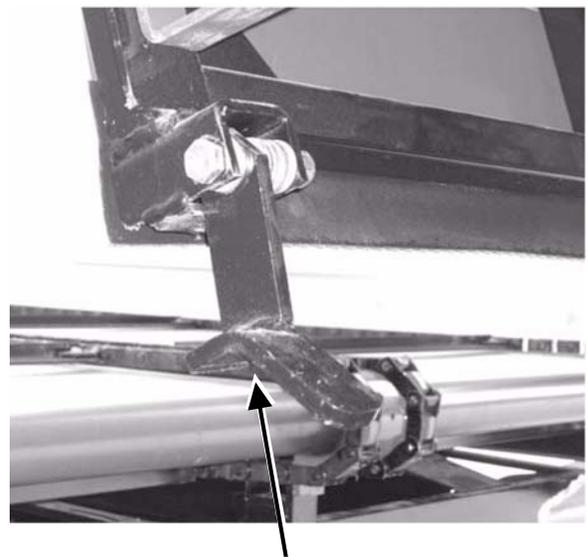
Make sure all persons are well clear of the forage box and the unloading area.

The rear discharge door opens automatically by releasing its latches as the main aprons begin to move. The rear discharge door can spring open with extreme force when its latches release. Pressure of forage against the rear door causes it to spring open very quickly.

! WARNING: THE REAR DISCHARGE DOOR CAN SPRING OPEN QUICKLY AND WITH EXTREME FORCE. KEEP ALL PERSONS WELL CLEAR OF THE FORAGE BOX AND UNLOADING AREA. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Return to the tractor, restart, and **SLOWLY** engage the tractor PTO or hydraulics to start the apron chains and to open the rear door. Once the door opens, regulate the discharge flow with the tractor engine speed. Do not operate above rated tractor engine RPM speed.

Unloading is best observed from the tractor seat. Keep moving the forage box forward to prevent silage from being carried underneath into the main apron chain return area.



**REAR DISCHARGE DOOR LATCH
(Typical both sides)**

! CAUTION (QUICK RELEASE!)

! WARNING: DO NOT STEP UP ON ANY PART OF THE FORAGE BOX AT ANY TIME. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

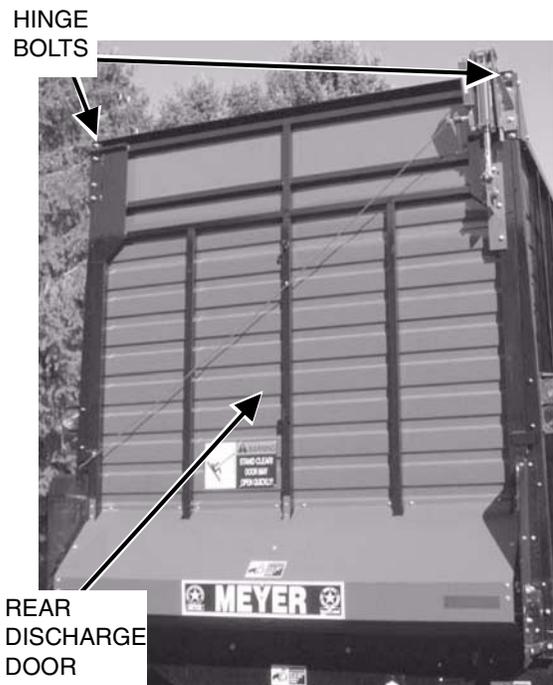
When finished unloading, reduce engine speed to idle and disengage the tractor PTO or hydraulics. Pull the forage box straight ahead to pull the rear door away from the unloaded pile of forage. Gravity will allow the rear door to swing shut. The rear door latches will engage to secure it closed. Visibly observe that rear discharge door properly latches closed.

The unloading process described is to be performed by the operator alone. This will eliminate unexpected “start-ups” and minimize other hazards that could result by more than one person in control. If the forage box should become clogged, shut off all power to the forage box and wait for all motion to stop. Disconnect PTO drive shaft or hydraulic supply and return hoses and then clean out the machine.

Never use “live” power to aid in the clean-out of a clogged machine. If any mechanism fails, move the forage box to a safe work area and then repair the mechanism before proceeding with unloading of the forage. If repairs require removal of forage from inside of the forage box, then remove the rear discharge door (bolted hinges on top of each side) and then empty the forage manually by hand through the rear opening.

! DANGER: NEVER ENTER THE FORAGE BOX OR FRONT UNLOADING UNIT FOR ANY REASON WITHOUT FIRST DISCONNECTING THE PTO DRIVE SHAFT OR HYDRAULIC HOSES FROM POWER SUPPLY. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Never enter the forage box for any reason if there is any possibility of power being applied to the unit.



REAR OPENING DISCHARGE DOOR

! CAUTION (QUICK RELEASE!)

LUBRICATION



WARNING: DISCONNECT PTO DRIVE SHAFT (OR HYDRAULIC POWER SOURCE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS MACHINE. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

DAILY LUBRICATION

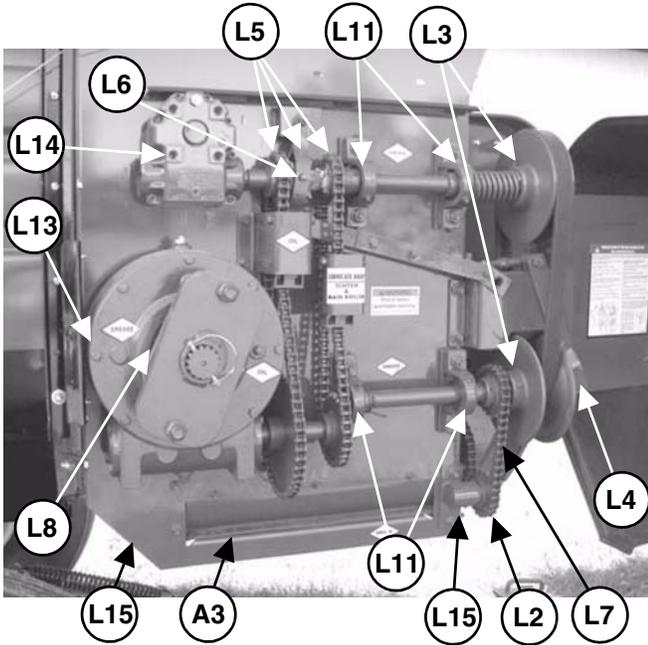
(every 8-10 loads)

- L1 Grease (2) PTO drive shaft universal joints (not illustrated). Grease (1) PTO drive shaft telescoping shaft and tube. Zerk accessible through the plastic guards (not illustrated).
- L2 Grease front idler sprocket - wipe off excess grease from exterior.
- L3 Grease (2) moveable clutch sheaves - wipe excess from interior and exterior. Prevent oil and grease from getting on clutch sheave belt drive surface.
- L4 Apply grease to lower cluster shaft end and lower variable speed engagement arm.
- L5 Oil (2) roller chains and "HI-LO" range sliding jaw clutch.
- L6 Grease "HI-LO" range brass shifting collar.
- L7 Oil (3) roller chains on auger drive and (1) roller chain on cross conveyor drive. Open the auger chain cover to oil the chains.
- L8 Grease (2) gearbox hollow output shaft zerks (1 Front, 1 Rear - (not shown) zerk located behind coupling plate).

BEGINNING OF CROP MAINTENANCE

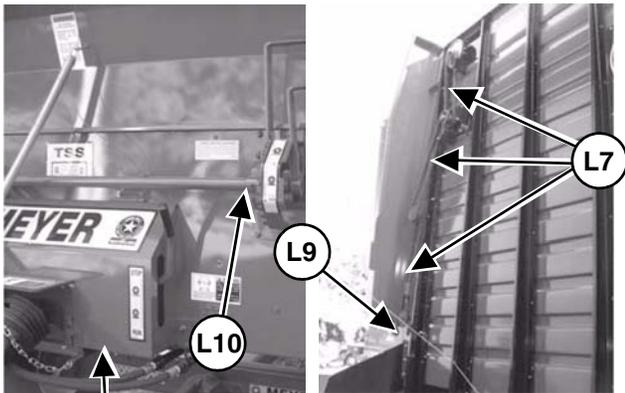
(approximately 100-150 loads)

- L9 Grease (4) main apron shaft bearings (2 Front, 2 Rear) (Front center bearing grease from zerk in left end frame).
- L10 Grease (3) shifter control lever guide sleeves. Grease (1) Independent Outfeed Clutch handle pivot under front shield.
- L11 Grease (4) gear cluster shaft bearings.
- L12 Grease (2) rear gate hinges. Oil (2) rear gate latch pivot bolts.
- L13 Maintain oil in the front and rear main apron drive (2) gearboxes at the check plug level. Change oil in the gearboxes after the first season of use and yearly thereafter. Use #85W140 wt. Gear Lube Oil. Lighter oil may be used in temperatures below 20° F.
- L14 Maintain oil in the auger drive upper gearbox at the check plug level. Change oil in the gearbox after the first season of use and yearly thereafter. Use ONLY Synthetic ISO 460 Gear Oil AGMA 7 (Non EP) or equivalent.
- L15 Grease (4) Cross Conveyor Apron Shaft Bearings
- A1 Adjust main apron chain per "Adjustments" section. Adjust cross conveyor chain per "Adjustments" section.
- A2 Adjust shifter controls per "Adjustments" section.
- A3 Remove panel and clean out accumulation of foreign material build-up.

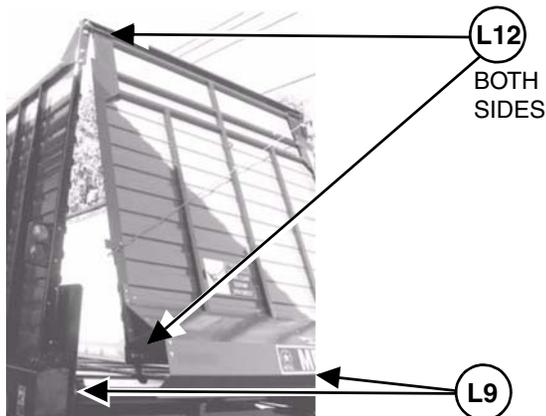


LUBRICATION DIAGRAMS

(Shields Removed for Illustration Purposes Only)



L10
UNDER SHIELD



END OF CROP CLEANUP AND MAINTENANCE

Allow box to completely clean out last load of forage. Clean out all forage material from inside the box, roof and on the outside of the box. Clean the front cross conveyor on the top pan and in the lower pan (chain return) area. Clear out the clean-out panel. Clean out the deflector shield at the rear of the box, both inside and outside.

It is recommended to lube the forage box before storage to exclude moisture from bearings. Apply oil to roller chain drives and to the main apron chains and cross conveyor chains. Also, new or used oil is recommended to be applied to the floor and inside of the box walls.

It is also a good time to inspect all adjustments and check for parts that need repair or replacement. Performing these tasks now will guarantee that the forage box is ready for use at the beginning of the next season.

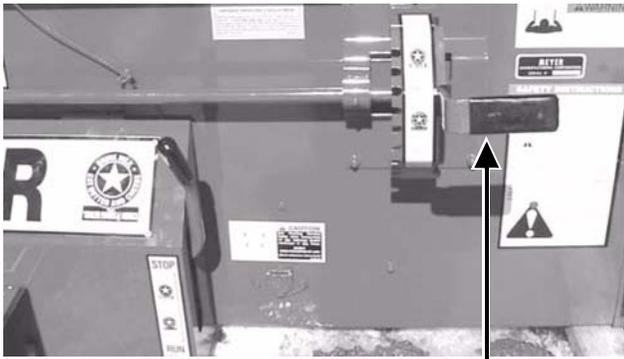
Equivalent Viscosity of ISO-VG Grades at 104°F and SAE Gear Lube Grades

ISO-VG Grade	SAE Gear Lube Grade
46	75W
100	80W-90
220	90
460	85W-140
1500	250

TWO-SPEED OPERATION

CONTROL LEVER

! WARNING: THE RANGE CONTROL LEVER DOES NOT STOP THE CROSS APRON. ONLY THE TRACTOR PTO OR THE EMERGENCY STOP MECHANISM WILL STOP THE CROSS CONVEYOR. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.



RANGE CONTROL LEVER

The unloading of the forage box is controlled by the range control lever and the tractor PTO speed.

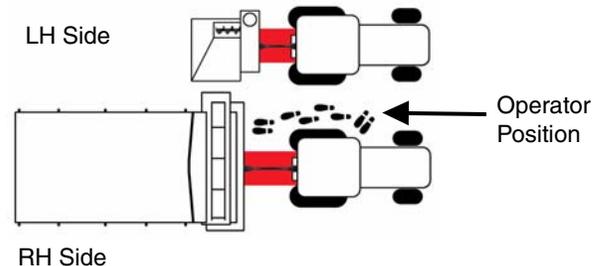
Center detent on the range control is “NEUTRAL”, up is “LOW” and down is “HIGH” range. Range selection affects the forward speed of the main apron chain only. In neutral, the apron does not advance.

UNLOADING THE FORAGE BOX

Pull the forage box into position and park so that the cross conveyor discharge opening is in alignment with the silo filling blower hopper. If the forage box is equipped with a fold down conveyor extension, it can be lowered before pulling in front of the blower. After a couple of parking trials, you may become familiar with the correct parking place and be able to lower the cross conveyor extension after parking. Always park the forage box and unloading tractor in a straight line. Minimize the unloading angle on the PTO drive shaft to prevent wearing of universal joints when connected to the unloading tractor PTO. Shift the unloading tractor to “Neutral” or “Park” and set the brakes.

NOTE: Normal operation is using a tractor. If using some other vehicle exercise equivalent caution when parking and exiting this vehicle.

Properly dismount from the tractor and approach the forage box by walking along the left side of the tractor as shown in the following diagram. Do not approach the forage box from the right side of the machine (left hand unload). Approach the left front area of the forage box, as this is where the control levers are located. Standing in the operator position will not require crossing the PTO drive shaft at any time during the unloading operation.



OPERATOR TRAFFIC PATTERN

WARNING: DO NOT STEP OVER THE PTO DRIVESHAFT. STAY WELL CLEAR OF THE PTO AT ALL TIMES. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

WARNING: DO NOT STEP UP ON ANY PART OF THE FORAGE BOX AT ANY TIME. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OF DEATH.

START UP PROCEDURES:

Remove the PTO drive shaft from the forage box PTO storage bracket and connect it to the tractor PTO. Be sure the PTO yoke is securely locked to the tractor PTO. If using an optional hydraulic drive, couple the hydraulic hoses to the power supply.

Check that the INDEPENDENT OUTFEED CLUTCH control lever is in the “Stop” position and the HI-LO RANGE control lever is in the “Neutral” position.

NOTE: The INDEPENDENT OUTFEED CLUTCH and HI-LO RANGE control levers must be in their “Stop” or “Neutral” positions when engaging and disengaging the PTO drive shaft (or optional hydraulic drive). All forage box control lever selections are to be made while the PTO (or hydraulic) power is in operation. If the control levers are engaged before power is applied, damage may occur to the Independent Outfeed Clutch drive. Failure to follow correct operating procedures may cause equipment damage and may void the manufacturer’s warranty.

At this time, start the silo filling blower. Return to the forage box unloading tractor, slowly engage the PTO, and set the engine speed from 1300-1500 RPM to give a PTO speed of 300-375 RPM.

Return to the operator’s position adjacent to the forage box controls. Intermittently engage the INDEPENDENT OUTFEED CLUTCH control lever into the “Run” position and allow the cross conveyor to empty out any accumulation of forage in the front unloading unit. After the forage has emptied, fully engage the INDEPENDENT OUTFEED CLUTCH control lever into the “Run” position.

Next, move the RANGE control lever to “LO” and the main apron chain will begin to move forward.

IMPORTANT: YOU CAN MOVE THE RANGE CONTROL LEVER TO “HI” FOR CLEAN-OUT AT THE END OF UNLOADING AND YOU MAY ALSO FIND IT TO BE AN APPROPRIATE SPEED SELECTION FOR SMALL OR PARTIAL LOADS. DO NOT START AND UNLOAD FULL LOADS IN “HI” RANGE.

NOTE: Control lever settings must be made while the forage box front unloading unit is in operation. Moving the control levers with the unloading unit stopped will be difficult or impossible. This may cause equipment damages and may void the manufacturer’s warranty.

When finished unloading the forage box, perform the “Shut Down Procedures.” Refer to page 23.

TWO SPEED LUBRICATION AND MAINTENANCE



WARNING: DISCONNECT PTO DRIVE SHAFT (OR OPTIONAL HYDRAULIC POWER SOURCE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS MACHINE. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

ROLLER CHAIN DRIVES

The roller chain drives are tensioned by automatic spring loaded tension blocks.

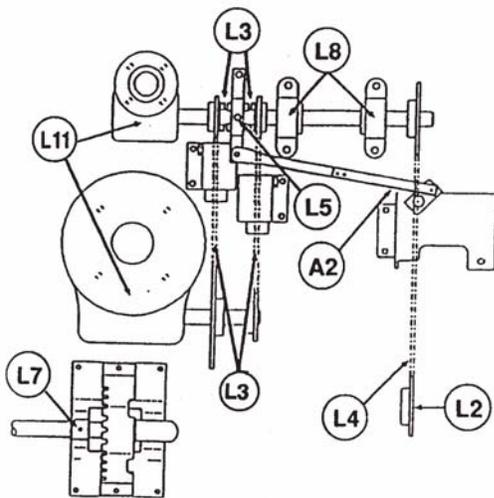
RANGE CONTROL CLUTCH ENGAGEMENT

With the range control lever set to neutral, the engaging jaw clutch should be about midway between the “LO and “HI” sprocket clutch jaws on the splined shaft. Neither should be engaged. When the lever is moved to “LO” the engaging jaw clutch should mate with “LO” speed sprocket clutch and have about 1/16” of clearance. Likewise for the “HI” speed when the lever is moved to “HI”. This engagement is adjusted by changing the length of over-lap on the two, slotted hole linkage bars.

DAILY LUBRICATION MAINTENANCE

(every 8-10 loads)

- L1** Grease PTO drive shaft joints (not illustrated).
- L2** Grease front idler sprocket - wipe off excess grease from exterior.
- L3** Oil roller chains and HI-LO range jaw clutch.



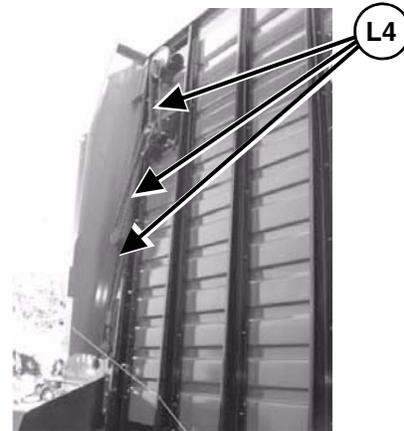
- L4** Oil roller chains on auger drive and cross conveyor drive.
- L5** Oil or grease HI-LO range brass shifting collar.

BEGINNING OF CROP MAINTENANCE

(approximately 100-150 loads)

- L6** Grease main shaft bearings. (Not Shown)
- L7** Grease range control sleeve.
- L8** Grease gear cluster shaft bearings.
- L11** Maintain oil level in gear boxes. See L13 & L14.
- L15** Grease (4) Cross Conveyor Apron Shaft Bearings, see page 26.
- A2** Adjust range control per “Clutch Engagement”.

END OF CROP CLEANUP AND MAINTENANCE



Clean out all forage material from inside the box, roof, and on the outside of the box. Clean the front cross apron on the top and in the lower pan (chain return) area. Clean out the deflector shield at the rear of the box, both inside and outside.

New or used oil is recommended to be applied to the floor and inside of the box walls. Also coat all apron chains and slats with oil.

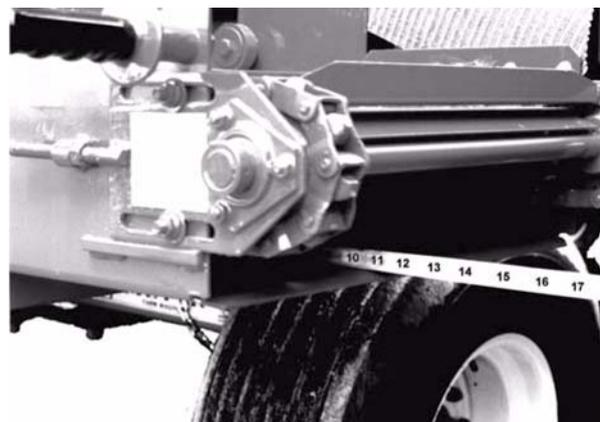
ADJUSTMENTS



WARNING: DISCONNECT PTO DRIVE SHAFT (OR HYDRAULIC POWER SOURCE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS MACHINE. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

CROSS CONVEYOR CHAIN WITH CROSS APRON HOLD DOWNS

Correct adjustment of the cross apron chain occurs when 12" of chain, APRON SLAT does not touch the BOTTOM PAN of the cross apron return area at the discharge opening. To tighten the chain, loosen the two bolts securing the slotted bearing bracket at each side of the discharge opening. Tighten the chain by tightening the nut on the adjuster bolt. Adjust both sides equally. Retighten the bearing bracket bolts.



MAIN APRON CHAINS

After unloading the first ten loads from the front and also after unloading the first ten loads from the rear, check the main apron chain tension. After initial adjustment check chain tension daily for the next five days of operation. Initial wear in of chain will require adjustment to maintain proper chain tension. **FAILURE TO MAINTAIN PROPER CHAIN TENSION MAY VOID WARRANTY.**

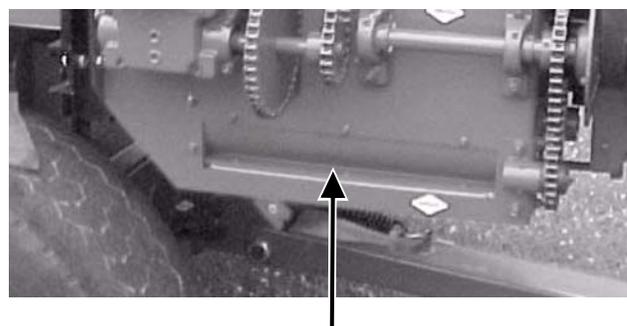
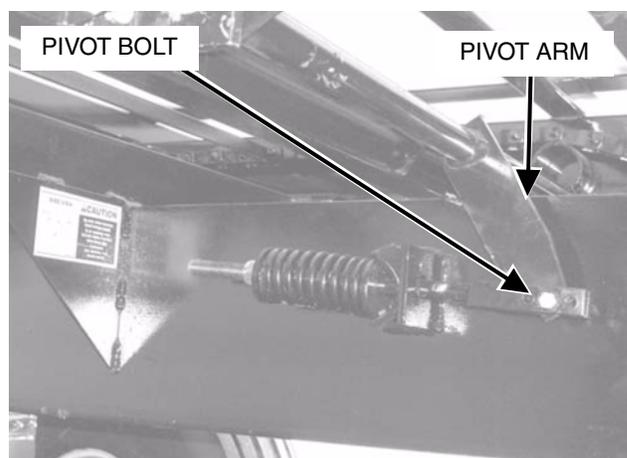
Removable master links are included in each of the four strands for tightening after tightener travel is at its maximum. Remove a link from each of the four strands at the same time to assure proper timing.

The main aprons are each independently and manually tensioned by a spring loaded tensioner and pivoting arm tightener system. To tighten the main aprons, tighten the tensioner rod on the spring loaded tensioners centrally located at each side of the forage box on the steel 10" stringers. (See page 32) Tighten to 5" compressed length.

In addition to the spring loaded tensioner, there is located on the inner chain strands of each apron assembly a fine adjustment bolt on the pivoting arm tightener. Adjust as needed to equalize stretch in chain strand pairs of each independent apron assembly (See page 32).

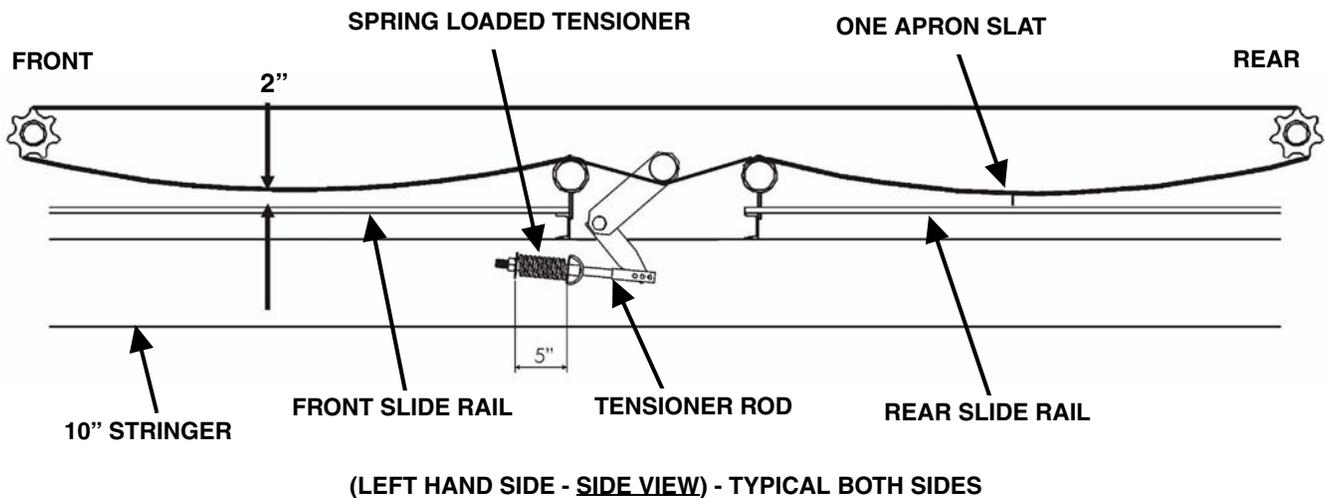
CLEAN-OUT PANEL

Remove clean-out panel on a regular basis to clean out accumulation of foreign material build-up. Keep this area clean for proper cross conveyor chain operation.



CLEAN OUT PANEL

ADJUSTMENT DIAGRAMS
(Shields Removed for Illustration Purposes Only)



ADJUSTMENT OF 6200 SERIES MAIN APRON CHAINS

A. For Regular Tightening:

IMPORTANT AT ALL TIMES OF OPERATION!

Correct apron tension occurs when the return main apron slats ride 2" at mid span off of the front pair of wooden slide rails and only one apron slat touches at mid span on the rear pair of wooden slide rails.

For Additional Regular Tightening Adjustment:

There are 3 anchor holes on the clevis end of the tensioner rod. Relieve tension and anchor the clevis to a different hole when there is no more adjustment.

NOTE: After repeated regular tightening of the main apron chain assemblies and when the return main apron slats begin to "bottom-out" onto the top of the channel iron of the steel frame stringers, remove equal number of links from each apron chain assembly. Readjust the spring loaded tensioner for correct main apron tension.

B. For Fine Tightening & to Equalize Stretch in Individual Chain Strand Pairs.

1. Allows to Fine Adjust/Tighten Individual Chain Strand Pairs of each Main Apron.
2. Allows to Equalize Stretch in Individual Chain Strand Pairs of each Main Apron.

Loosen the spring loaded tensioner on the main apron chain prior to making the adjustments on the individual chain strands. This will allow easier adjustment of the adjuster bolt. Located on the inner chain strand of each main apron assembly, there is an adjustable, tightening pivot arm with a 1/2" x 1-1/4" adjuster bolt. Turn this 1/2" x 1-1/4" bolt by first loosening two set screws located on the adjustable pivot arm. Tighten or loosen the 1/2" adjuster bolt to make fine adjustment/tightening in the individual chain strands or to equalize stretch in the individual chain strand pairs of each independent main apron assembly. Retighten the two set screws and reajust the spring loaded tensioner for correct apron tension.

IMPORTANT! WARRANTY MAY BE VOIDED

New Meyer Forage Box "Manufacturer's Warranty" shall not apply to any Meyer Forage Box, main apron chain, which has been subjected to misuse, negligence, alteration, accident or incorrect operation (adjustment) procedures.

Please! Follow **Correct Main Apron Tightening and Adjustment Procedures!**

ROLLER CHAIN DRIVES

All roller chain drives are tensioned by automatic spring loaded tension blocks.

RANGE CONTROL CLUTCH ADJUSTMENT

With the Range control lever set to "NEUTRAL," the sliding splined jaw clutch should be at midspan between the "LO" and "HI" sprocket clutch jaws on the splined gear cluster shaft. Neither "LO" nor "HI" should be engaged. When the lever is moved to "LO", the engaging jaw clutch should mate with the "LO" range sprocket clutch and have about 1/16" of clearance. Likewise for the "HI" range when the lever is moved to "HI." This engagement is adjusted by changing the length of over-lap on the two, slotted hole linkage bars. See Lubrication Diagram, page 30 for location - A2.

NOTE: Pending sprocket tooth wear, the two clutch sprockets and the sliding splined jaw clutch can be switched from left to right and right to left on the splined gear cluster shaft to access new wear on opposite sides of jaw shoulders.

VARIABLE SPEED BELT REPLACEMENT

1. Shift the Variable Speed control lever to "NEUTRAL" (up).
2. Shift the Range control lever to "NEUTRAL" (center).
3. Move the Independent Outfeed Clutch control lever to "STOP" (up).
4. Lower the Fold Down Cross Conveyor Extension. If machine is equipped.
5. Open cluster shield plastic door.
6. Roll the old belt counter-clockwise off of the top sheaves starting at the 2:00 position.
7. Install the new belt around the lower sheaves and then roll clockwise onto the top sheaves starting at the 10:00 position.
8. Close and securely fasten the cluster shield plastic door.
9. Raise and latch the Fold Down Cross Conveyor Extension. If machine is equipped.

VARIABLE SPEED CONTROL ADJUSTMENT

When the Variable Speed control lever is in "NEUTRAL," neither the main aprons nor the unloading augers are to operate **when under load** - (when wagon is full of forage). Variable speed operation should begin when the lever is moved down one or two notches from "NEUTRAL." To adjust the drive belt, follow these steps:

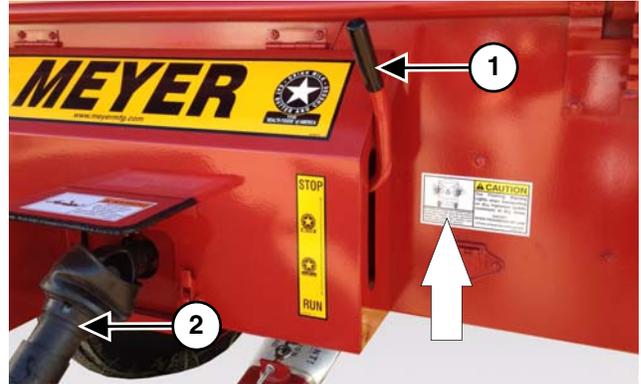
1. With the Variable Speed control lever in "NEUTRAL," remove the drive belt as described under Variable Speed Belt Replacement.
2. Move the Variable Speed control lever down to the 2nd from last notch on the control quadrant.
3. Check lower sheaves engagement:
 - A. If bases of sheaves do not set tight together: See step #4 (A)
 - B. If bases of sheaves bottom-out TOO tight together: See step #4 (B)
4. Loosen jam nut and remove bolt from the control rod special bolt and swivel eyelet assembly:
 - A. Lengthen or unthread the eyelet to set base of sheaves tight together.
 - B. Shorten or thread the eyelet to set base of sheaves tight together.
5. Reinstall bolt into control rod special bolt and swivel eyelet assembly, and tighten jam nut.
6. Check adjustment made by creating moderate tension on the Variable Speed control lever when moving lever between 2nd to last notch and last notch on the control quadrant.
7. Place Variable Speed control lever into "NEUTRAL," and reinstall the drive belt as described under Variable Speed Belt Replacement.

NOTE: The Variable Speed belt should be **REPLACED** when sheaves are correctly adjusted and the Variable Speed control lever does not engage the unloading augers until the 5th or 6th notch down on the control quadrant.

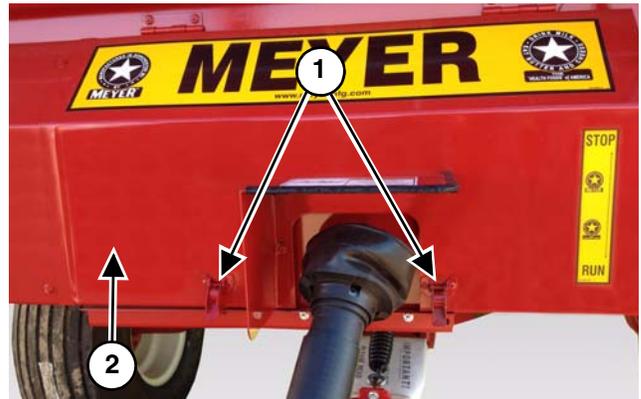
INDEPENDENT OUTFEED CLUTCH BELT REPLACEMENT

⚠ WARNING: DISCONNECT PTO DRIVE SHAFT (OR OPTIONAL HYDRAULIC POWER SOURCE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS MACHINE. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

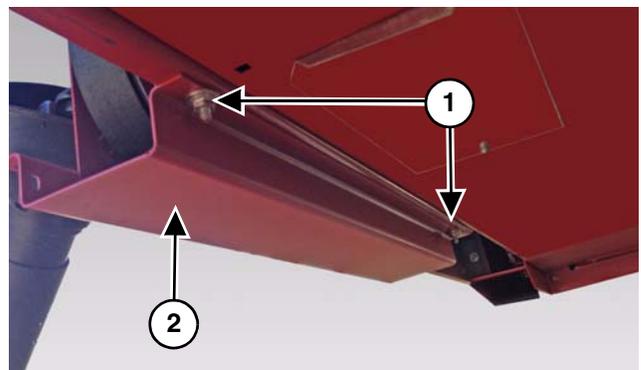
1. Move the Independent Outfeed Clutch control lever (Item 1) to “STOP” (up).
2. Extend the PTO drive shaft (Item 2) out straight and lower the tractor end down to ground.



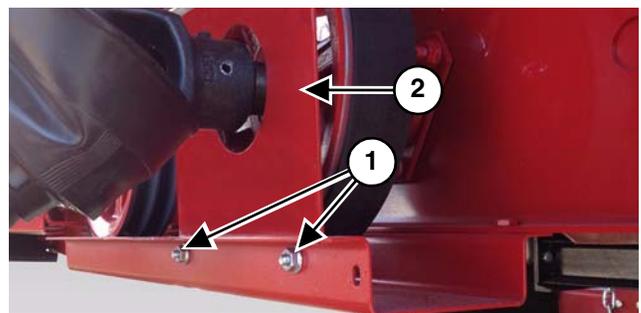
3. Release the two latches (Item 1) and raise the front chain shield assembly (Item 2).



4. Loosen the two bolts (Item 1) on the belt pan (Item 2).



5. Remove the two bolts (Item 1) for the PTO shaft cover (Item 2).



6. Roll off the old Double V-Belt from the two pulleys.
7. Slide the old Double V-Belt under the PTO shaft cover and down over the end of the PTO drive shaft.
8. Install new Double V-Belt over the end of the PTO drive shaft and up, under the PTO shaft cover and onto the two pulleys.

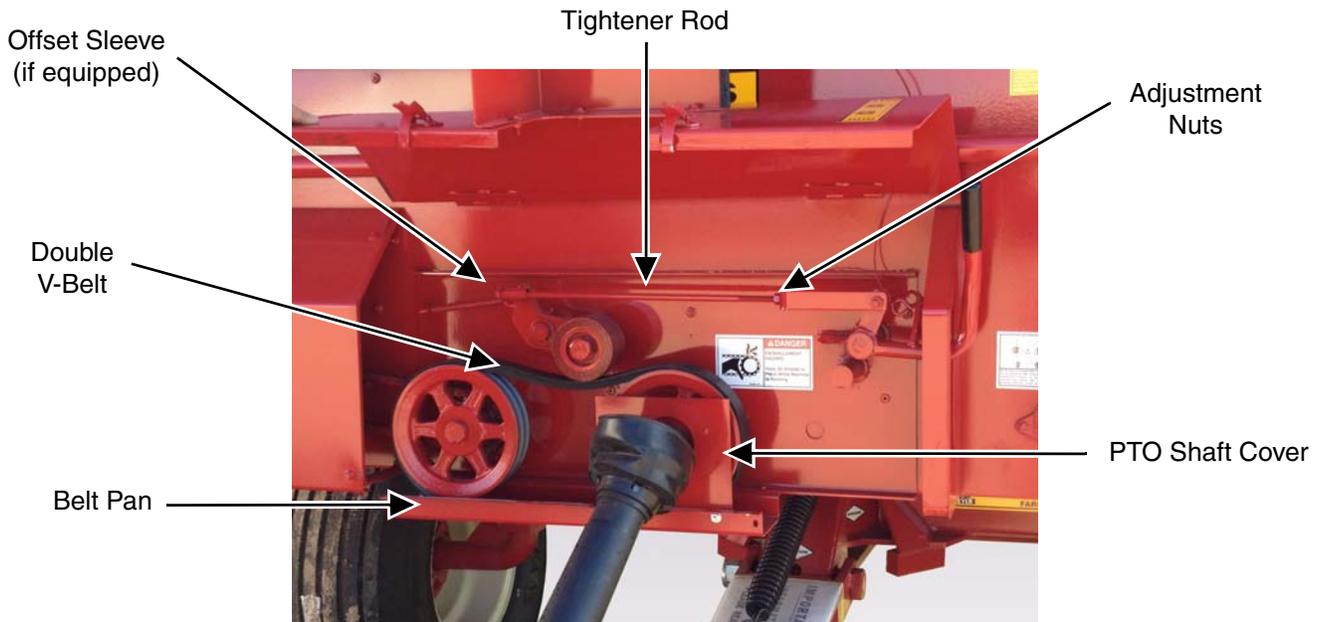


9. Move the Independent Outfeed Clutch control lever (Item 1) to "RUN" (down). Check for proper tension. Adjust as needed. (See Independent Outfeed Clutch Adjustment).
10. Refasten the PTO input shaft cover and belt pan.
11. Lower the front chain shield assembly and secure the two latches.
12. Raise the PTO drive shaft and place into the PTO storage bracket.



INDEPENDENT OUTFEED CLUTCH ADJUSTMENT

Lengthen or shorten tightener rod with jam nuts to create moderate tension on the Double V-Belt when engaging the Independent Outfeed Clutch control lever into the "Run" position. See the following illustration for component locations.

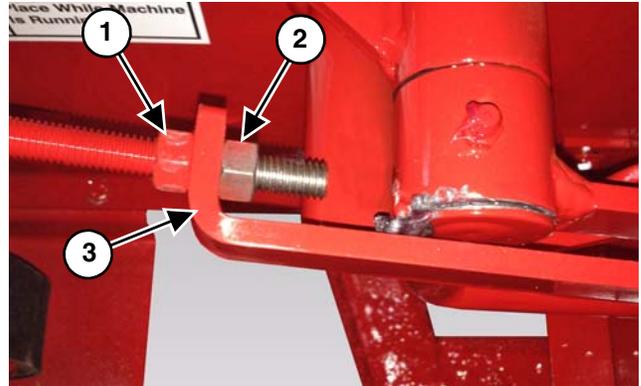


NOTE: Proper tension is when the belt is loose enough so that it does not engage when the handle is up (disengaged), and that it does not slip under load when the handle is down (engaged).

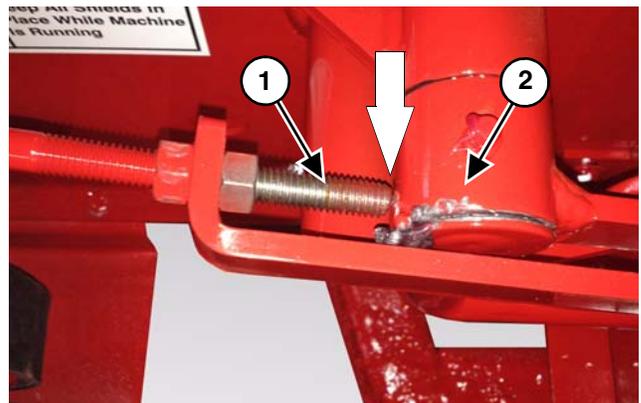
1. Loosen the nut(s) on the back / front side of the handle linkage, and then adjust the nuts on either side of the handle linkage.

Increase Tension - Loosen the front nut (Item 1), tighten the back nut (Item 2) to increase belt tension. When the desired tension is achieved, tighten the front nut against the handle linkage (Item 3).

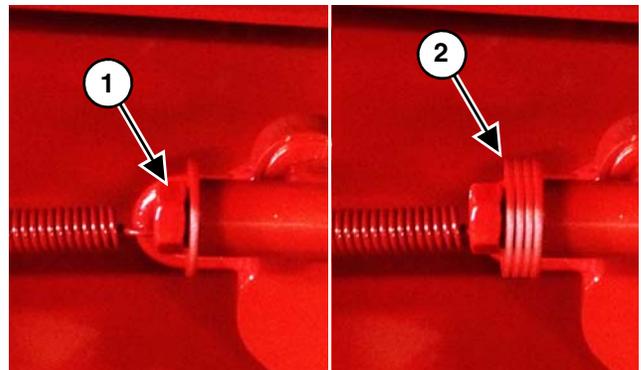
Decrease Tension - Loosen the back nut (Item 2), tighten the front nut (Item 1) against the handle linkage (Item 3) to relieve tension on the belt. When the desired tension has been removed, tighten the back nut against the handle linkage.



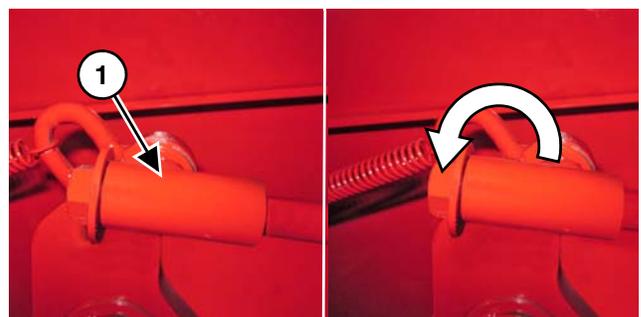
NOTE: The adjustment is maxed out when the rod (Item 1) hits the pivot (Item 2) when engaging the handle.



2. (Only if Step 1 does not provide enough adjustment.) Remove the nut(s) on the back and front side of the handle linkage. Remove the tightener rod (Item 1), then add washers (Item 2) (as needed) to the rod behind the tightener sleeve weldment. Re-install the tightener rod. Repeat Step 1.



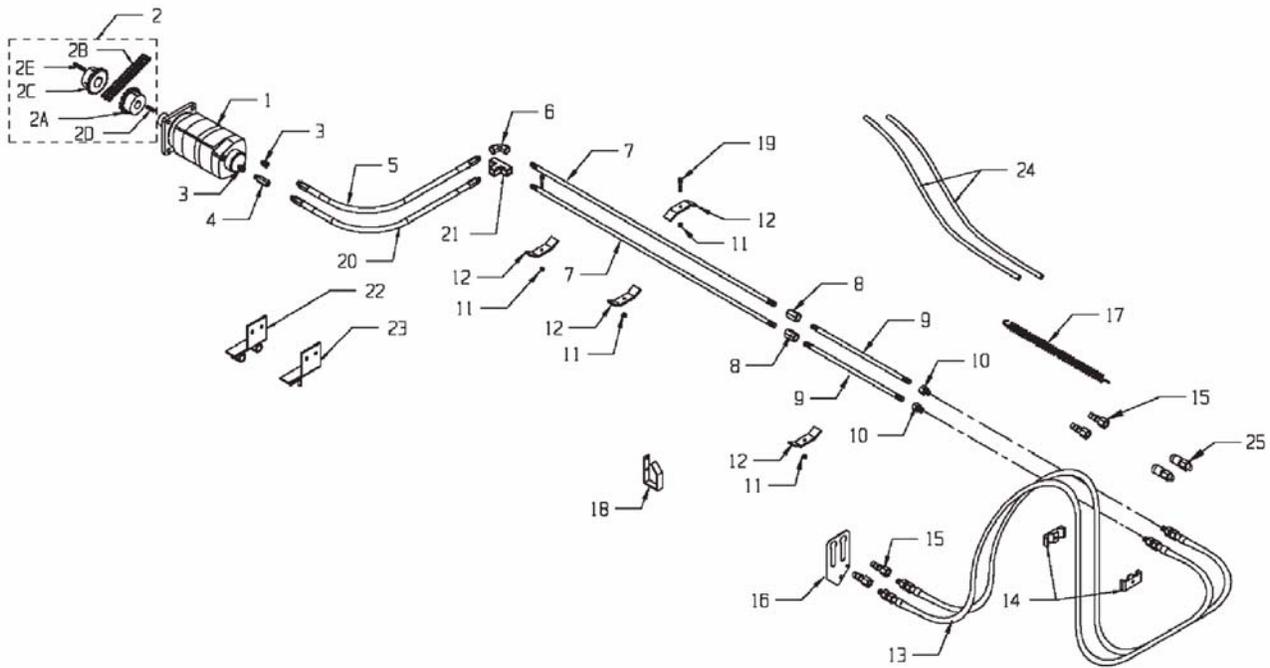
NOTE: If the forage box is equipped with an offset sleeve (Item 1), flip so the long end of the sleeve is toward the head of the bolt.



This Page Intentionally Blank

REPAIR PARTS

HYDRAULIC REAR UNLOAD COMPONENTS



6200-HydParts.cdr

HYDRAULIC REAR UNLOAD COMPONENTS

KEY	PART NUMBER	QTY	DESCRIPTION
1	55-0088	1	Hydraulic Motor
2	37-0019	1	Chain Coupler, 1" To 1 1/4" Assy. W/Hdw
2A	37-0013-1	1	Motor Coupler 1" Bore
2B	37-0013-2	1	#50 Coupler Chain
2C	37-0017-1	1	Gearbox Coupler 1-1/4" Bore
2D	35-0019-H	1	1/4 x 1/4 x 1-1/4" Hardened Key W/Rounded Ends
2E	35-0021	1	1/4 x 1/4 x 1-3/4" Key
3	55-0048	2	Ftg, Hyd, O-Ring Base
4	55-0007-B-RF	1	Check Valve, 3/4"
5	55-0047	1	Hose, 3/4" x 42"
6	55-0027	1	Ftg, Hyd, 3/4 x 90°
7	55-0062	2	Hyd. Pipe, 3/4 x 161"-6218 Box
	55-0024	2	Hyd. Pipe, 3/4 x 185"-6220 Box
	55-0022	2	Hyd. Pipe, 3/4 x 209"-6222 Box
	55-0020	2	Hyd. Pipe, 3/4 x 233"-6224 Box
8	55-0030	2	Pipe Coupler, 3/4"
9	55-0037	2	Hyd. Pipe, 3/4 x Sch. 40 x 30" (10" Stringer Box Only)
10	55-0039	2	Adapter, 3/4 To 1/2 (10" Stringer Box Only)
11	815-3816-Z	4	3/8-16 Nylon Insert Lock Nut
12	25-0210-4	AR	Hyd. Pipe Holder Clamp
13	55-0034	2	1/2" x 132" Hose Assembly - Pull Type Only
14	29-0029-1	1	3-Hole Clamp Assembly W/U-Bolt
15	55-0013	2	Pioneer Coupler-Pull type only
16	25-0249-1	1	Holder for Hyd. Hose Ends-Pull type only
17	29-0029	1	Hydraulic Hose Tender Spring Kit W/Sleeve & Hardware
18	25-0209	1	Hyd Hose Holder Bracket-Pull type only
19	851-3816-1.5Z	2	3/8-16 x 1-1/2" GR 5 MB
20	55-0029	1	Hose, 3/4" x 36"
21	55-0079	1	3/4" BM Tee
22	25-0210-8	AR	Hydraulic Line Holder Trailer Mount Box
23	25-0210-2	AR	Hydraulic Line Holder 10" Stringer Box
24	55-0064	AR	Hydraulic Hoses, 1/2 x 42" (Boxes with 6" Stringer Channel Only)
25	55-0035	AR	Female Hydraulic Coupler (Front Hyd. Motor Pkg.)

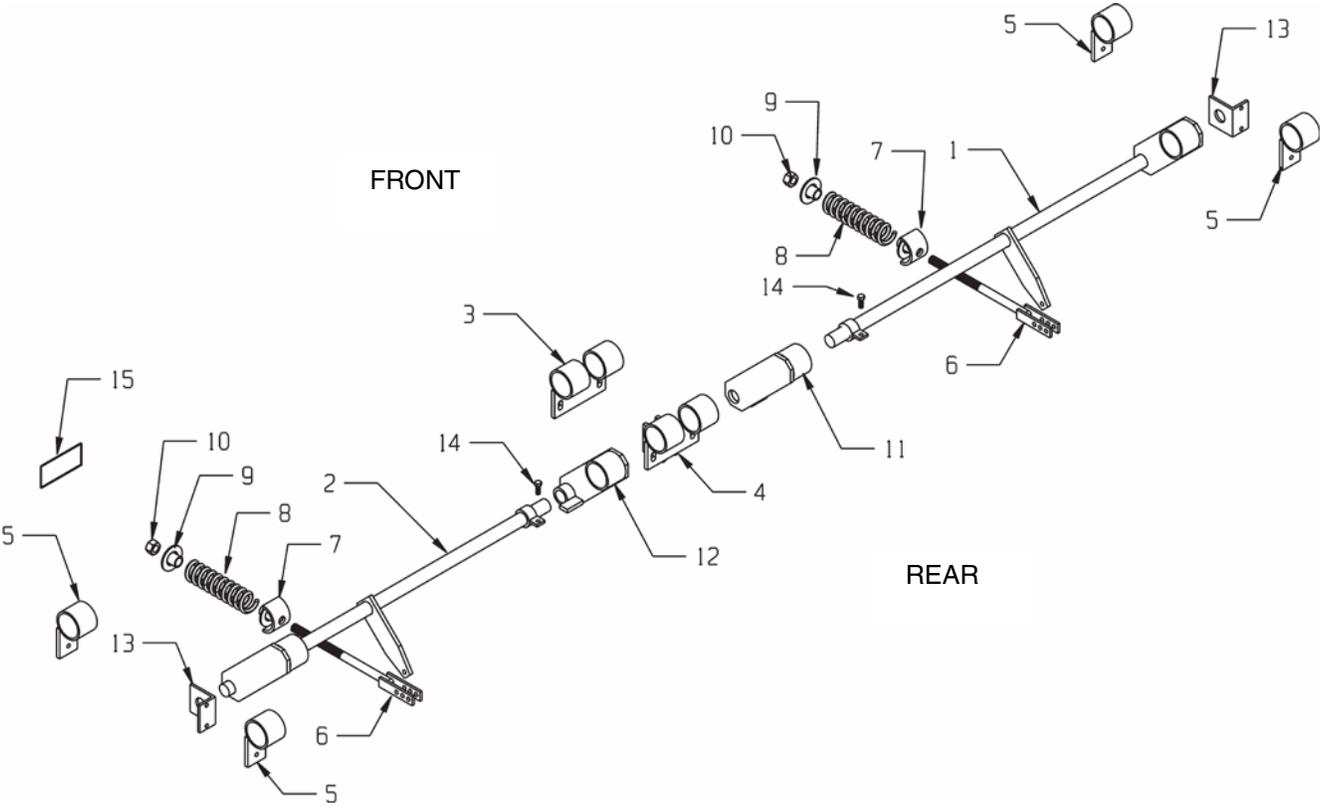
REAR UNLOAD DRIVE TRAIN

KEY	PART NUMBER	QTY	DESCRIPTION
1	23-0150-1	1	Rear Jack Shaft
2	23-0152	1	Rear Main Roller Assy.
3	14-0044	1	2" Pillow Block Bearing
4	25-6002	1	#120 Chain Tightener Complete W/roller
4a	25-6002-1	1	#120 Chain Tightener Weldment
4b	851-7510-1.75Z	1	3/4-10 x 1-3/4" M.B. Zinc
4c	805-0075-Z	2	3/4" Flat Washer Zinc
5	912-0016	1	7/8" Nylon Roller Tightener Roller Assy.
	912-0016-1	1	7/8" Nylon Roller Only
	912-0016-2	1	Nylon Roller Inner Sleeve
6	10-0085	1	120B9 Sprocket 2" Bore
7	25-6019	1	Support Arm Welded Assy.
	13-0022	1	Bronze Bushing 1-1/2" Long
	13-0023	1	Bronze Bushing 2-3/4" Long
8	11-0138	1	#120-41 Link Roller Chain
9	910-0029	1	120B20 Sprocket, 2" Bore
10	23-0153	1	Stub Shaft
11	25-6021	1	Left Rear Upright Support
12	914-3808	1	Bearing, 4 Bolt
13	25-6004	1	L.H. Rear Main Roller Bearing. Brkt.
14	25-6018	1	#80 Chain Tightener Complete W/roller
14a	25-6018-1	1	#80 R. Rear Tightener Weldment
14b	851-7510-2Z	1	3/4-10 x 2" M.B. Zinc
15	19-0038	1	Right Angle 2:1 Gearbox
16	912-0012	1	1-3/8" Nylon Roller Tightener Roller Assy.
	912-0012-1	1	1-3/8" Nylon Roller Only
	912-0012-2	1	Nylon Roller Inner Sleeve
17	11-0078	1	#80-56 Link Roller Chain
18	10-0080	1	80B12 Sprocket 1 3/8" Bore
19	10-0088	1	80B45 Sprocket Assy. W/Bushing
	13-0021	1	2" ID Bronze Bushing
20	14-0031	1	Bearing, 4 Bolt
21	25-6003-1	1	#120 Chain Tightener Rod Assy.
22	100-7000-29	1	3/8" Bearing Spacer
23	43-0026	1	Rear Drive Sprocket Spacer 11/16 Long
24	24-6001	1	Main Shield, Rear Drive
25	24-6003	1	Cover Door, Rear Drive
25A	32-0027	1	Rubber T-Latch Assy Complete
26	24-6002	1	Shield Door Assy., Rear Drive
27	25-6017-1	1	Rear Main Roller Bearing. Brkt. RH
28	200-0004-5	1	Compression Tightener Spring
29	805-0050-Z	2	1/2" Flat Washer Zinc
30	815-5013-Z	1	1/2" Nylon Insert Locknut
31	808-1-1.5-14	1	1" ID x 1-1/2" OD x 14 Ga. Machine Bushing
32	38-0010	1	1/4 x 2" Roll Pin
33	23-0154	1	Gearbox Output Extension Shaft
34	937-0002	1	1-3/8" Shaft Coupler
35	14-0034-HD	1	Right Rear Main Roller Bearing
36	929-3601	1	Tightener Spring
37	933-3804	1	5/16-18 x 4" Eyebolt
38	24-6003-2	1	Shield Hinge Plate
39	32-0023	1	Clevis Pin
40	14-0049	1	1-3/8" 2-Bolt Brg

OPTIONAL FRONT HYDRAULIC DRIVE

KEY	PART NUMBER	QTY	DESCRIPTION
1	55-0099	1	Hydraulic Motor T-Series
2	823-.25-5Z	2	Hitch Pin Clip, 1/4 x 5"
3	25-0280-1	1	Hydraulic Clutch Bottom Bracket Brace
4	25-0283	1	Stationary Hydraulic Motor Bracket Assy.
5	55-0034	2	1/2" X 132" Hose Assembly (Pull Type Only)
6	32-0022	2	Lanyard
7	35-0012	1	1/4 x 1-1/2" Square Key
8	37-0012	1	Stationary Hydraulic Motor Coupler-Welded (Prior to 07 Serial #)
8A	37-0013-1	1	Shaft Coupler Sprocket-1" Bore (Serial # 07 & Later)
8B	37-0017-1	1	Shaft Coupler Sprocket 1-1/4" Bore (Serial # 07 & Later)
8C	37-0013-2	1	#50 Double Coupler Chain
8D	37-0019	AR	Chain Coupler Assembly Complete (Serial # 07 & Later)
9	49-0027-1	1	Stationary Hydraulic Motor Belting
10	55-0007-B	1	3/4" Check Valve
11	55-0048	1	7/8" Straight to 3/4" NPSM Swivel Coupler
12	55-0013	4	Male Hydraulic Coupler (Pull Type Only)
13	55-0035	2	Female Hydraulic Coupler (Pull Type Only)
14	55-0036	2	Hydraulic Coupler Dust Cap (Pull Type Only)
15	55-0156	1	3/4" to 1/2" Chamfered Hydraulic Adapter
16	55-0159	1	5/8" to 1/2" Straight to Pipe Male Adapter
17	35-0042	1	1/4" Woodruff Key
18	TSS-STAT-CCU	1	Chain Coupler Update Kit
19	29-0029	1	Hydraulic Hose Tender Spring Kit W/Sleeve & Hardware
20	29-0029-1	1	3-Hole Clamp Assembly W/U-Bolt

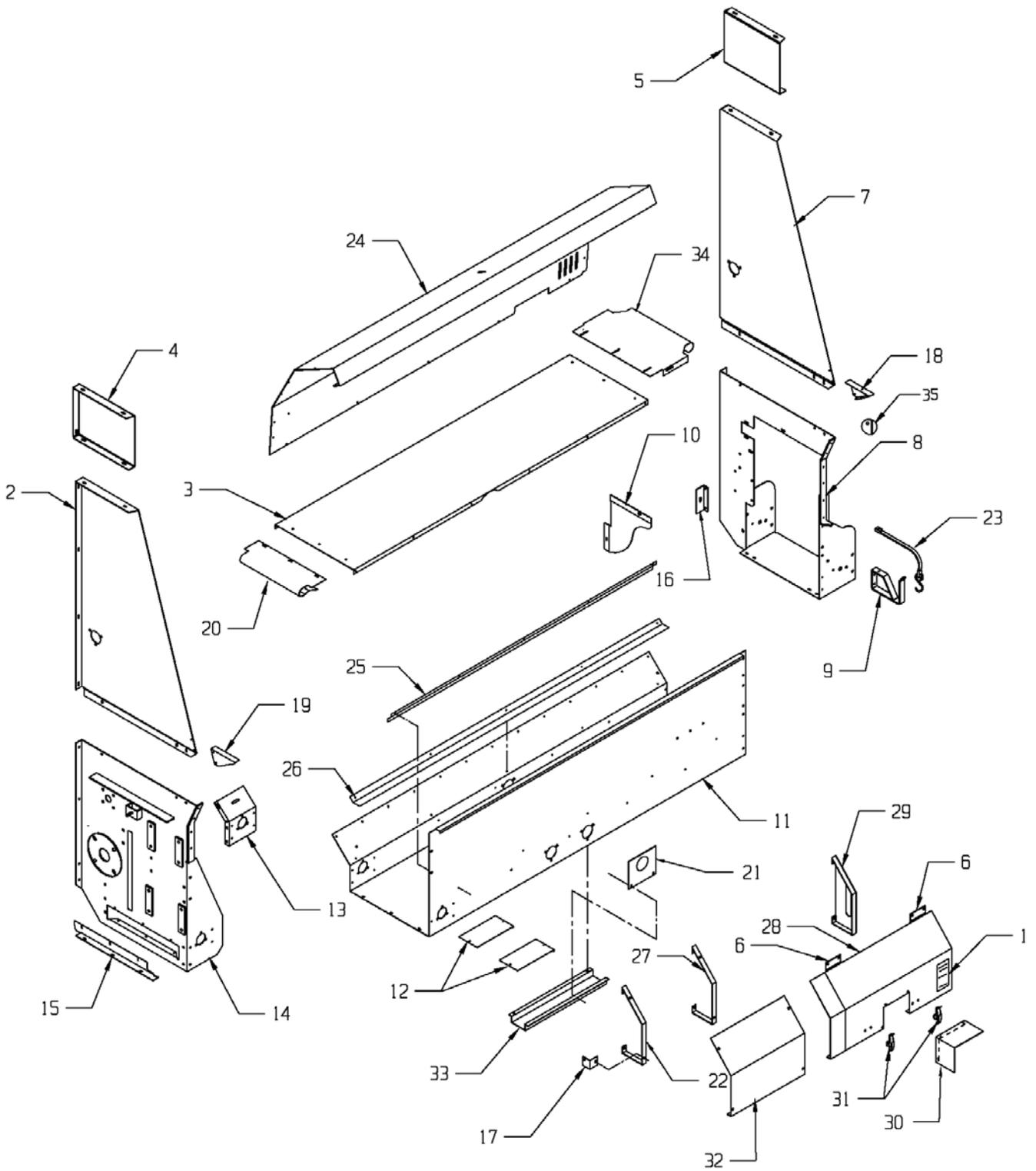
FRONT & REAR UNLOAD FORGE BOX MAIN APRON CHAIN TIGHTENER



FRONT & REAR UNLOAD FORAGE BOX MAIN APRON CHAIN TIGHTENER

KEY	PART NUMBER	QTY	DESCRIPTION
1	25-6010	1	Tightener Assy., R Main Apron 42" Stringers
	25-6010-TRUCK	1	Tightener Assy., R Main Apron 33-1/2" Stringers
2	25-6009	1	Tightener Assy., L Main Apron 42" Stringers
	25-6009-TRUCK	1	Tightener Assy., L Main Apron 33-1/2" Stringers
3	25-6012	1	Center Lift Pipe Assy., Main Apron
4	25-6013	1	Center Lift Pipe Assy., Main Apron
5	25-6008	1	Outside Lift Pipe, Main Apron Chain
6	25-6007	2	Tightener Rod Assy., Main Apron
7	25-6011	2	Rocking Sleeve Assy., Tightener Bolt
8	929-0002	2	Main Apron Tightener Spring
9	925-3841	2	Outer Spring Guide, Tightener Assy.
10	815-7510-Z	2	Nut
11	25-6024	2	Adjustable Tightener Arm RH
12	25-6023	1	Adjustable Tightener Arm, LH
13	25-0215	2	Tightener Mount Angle
14	851-5013-1.25Z	2	1/2-13 x 1 1/4" Gr5 Bolt (Fine Adjustment Bolt)
15	46-0001-86	2	Decal, Instruction

TSS UNIT FRAME W/IOC

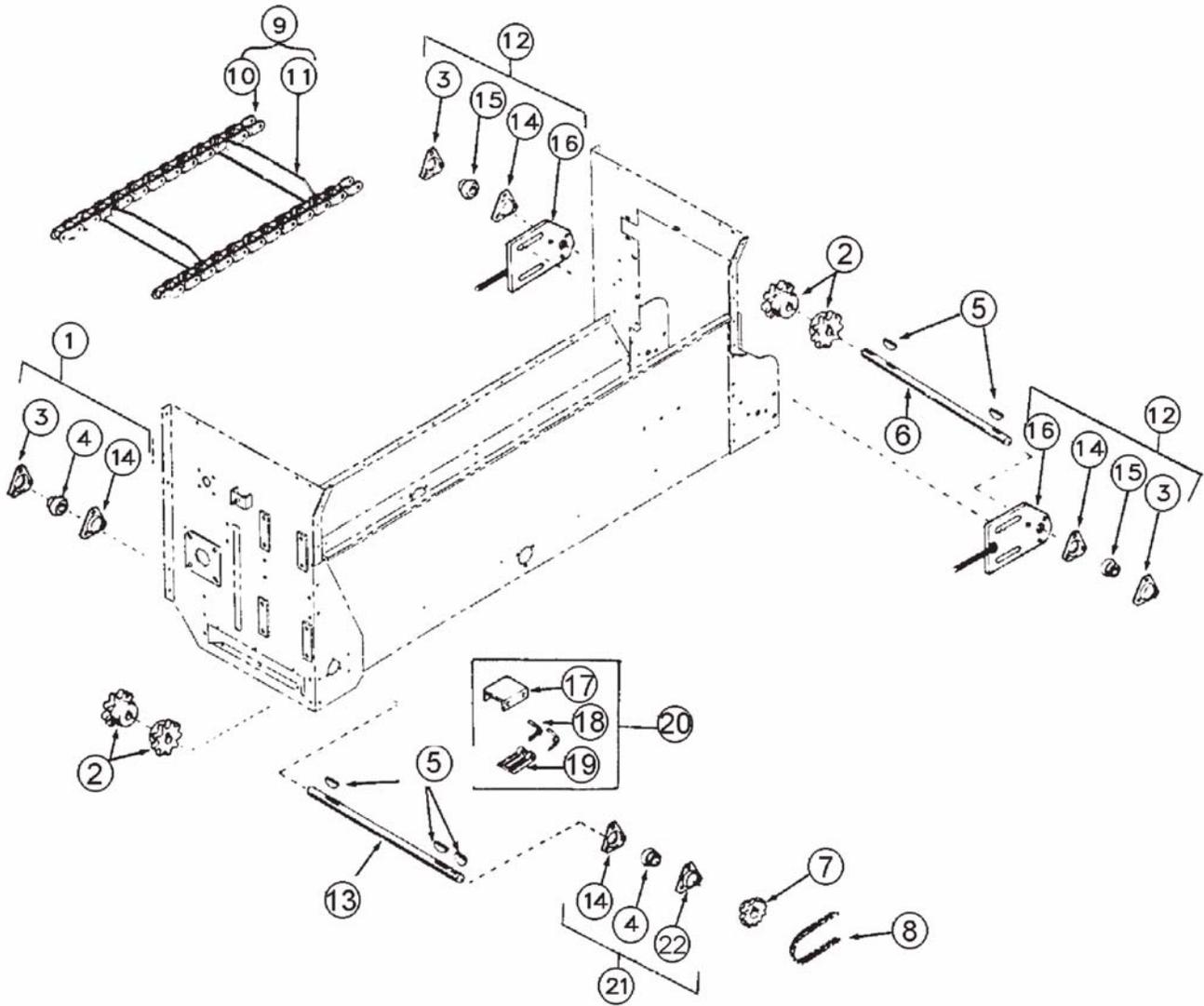


6200UnitFrameIOC

TSS UNIT FRAME W/IOC

KEY	PART NUMBER	QTY	DESCRIPTION
1	46-0001-66	1	Stop - Run Decal
2	25-0148-2	1	RH Top Auger Extension
3	27-0027	1	Top Apron Pan
4	25-0148-2-12	1	Auger Plate Ext., RH
5	25-0148-1-12	1	Auger Plate Ext., LH
6	24-0123-2	2	Hinge Only, 4" Long- Heavy Duty
7	25-0148-1	1	LH Top Auger Extension
8	39-0017	1	Discharge Frame
9	25-0006	1	PTO Hanger Bracket
10	24-0099	1	Auger Guard
11	27-0031	1	Apron Pan
	27-0031-RH	1	R.H. Apron Pan
12	24-0103	2	Access Cover
13	39-0024	1	Pan Support Bracket
	39-0024-RH	1	R.H. Pan Support Bracket
14	39-0023	1	Right End Frame Weldment
	39-0028	1	RT300 / 700 Right End Frame, Welded Assembly (See Page 58)
15	27-0026	1	TSS Clean-Out Panel
16	39-0015-1	1	Left End Frame Tab
17	24-0010-2	1	Front Shield Angle Clip
18	34-0007	1	LH Spillage Guard Gusset
19	34-0008	1	RH Spillage Guard Gusset
20	24-0079	1	Right Conveyor Shaft Shield
21	24-0125-1	1	Clutch, PTO Shaft Cover
22	25-0266-1	1	RH, Front Shield Bracket
23	33-0032	1	Hold Down Strap
24	31-0013	1	Solid Spillage Guard
	31-0013-RH	1	Right Hand Unload Spillage Guard
25	25-0200	1	TSS X-Apron Front Hold-down
26	25-0203	1	TSS X-Apron Rear Hold-down
27	25-0265-1	1	Center, Front Shield Bracket
28	24-0123	1	Hinged Front Chain Shield Assembly
29	24-0122	1	Clutch Front Shield End Cap
30	31-0005	1	PTO Guard (LH)
	31-0002	1	PTO Guard (RH)
31	32-0001-1	1	Door Catch, Latch
32	24-0124	1	RF Stationary Chain Shield
33	25-0261	1	Clutch Bottom Bracket, Belt Pan
34	24-0059	1	Left Conveyor Shaft Shield (No Ext. Only)
35	25-6001-1	1	Auger Shield Catch
NS	TSS-POLY-CC-EXT	1	Poly Cross Conveyor Option for Units with 2' Extension

TSS CROSS CONVEYOR W/IOC

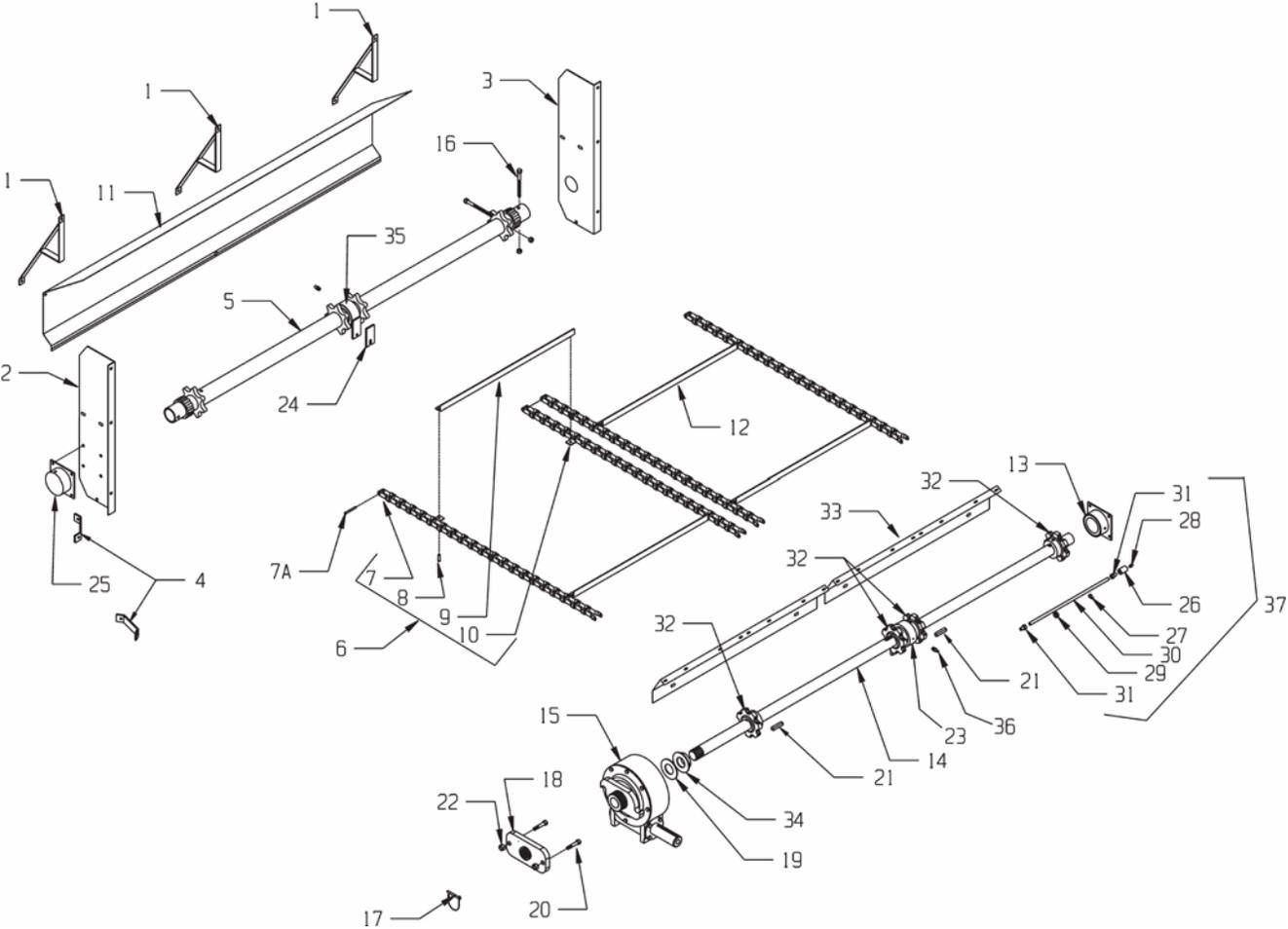


6200CROSSCONV

TSS CROSS CONVEYOR W/IOC

KEY	PART NUMBER	QTY	DESCRIPTION
1	14-0004	1	Bearing Assembly, 1" w/90 Degree Grease Fitting
2	10-0008	4	Sprocket, No.55-8 Tooth
3	14-0057-1	3	3 Hole Flange w/ Straight Grease Fitting for 1" Bearing
4	14-0004-3-BTS	2	Bearing, 1" B-Type Seal w/collar
5	35-0002	5	Key, Woodruff, 1/4" x 1-1/4"
6	23-0023	1	Shaft, Cross Conveyor (Left)
7	10-0007	1	Sprocket, 50B28, 1" Bore
8	11-0140	1	Roller Chain - #50 (142 links)
9	11-0059-D	1	Extension Length Cross Apron Pintle Chain Assembly Complete
	11-0060-D	1	Regular Length Cross Apron Pintle Chain Assembly Complete
10	11-0006-1	264	Link, Pintle Chain (W/2 pins & cotter pins)
11	11-0006-2	19	Chain Slat w/attachments
12	14-0022	2	Tightener Bearing Assy.
13	23-0008	1	Cross Conveyor Shaft (Right)
14	14-0058-1	4	3 Hole Flange w/ No Zerk for 1" Bearing
15	14-0004-3-BTS	2	Bearing, 1" B-Type Seal w/Collar
16	25-0074	2	Bracket, Tightener Bearing
17	25-0011	1	Bracket, Chain Tightener
18	29-0002	2	Spring, Chain Tightener
19	41-0001	1	Tightener 5", Nylon Slide
20	41-0024	1	Tightener Assy.
21	14-0004	1	Bearing Assembly, 1" w/90 Degree Grease Fitting
22	14-0059-1	1	3 Hole Flange w/ 90 Degree Grease Fitting for 1" Bearing

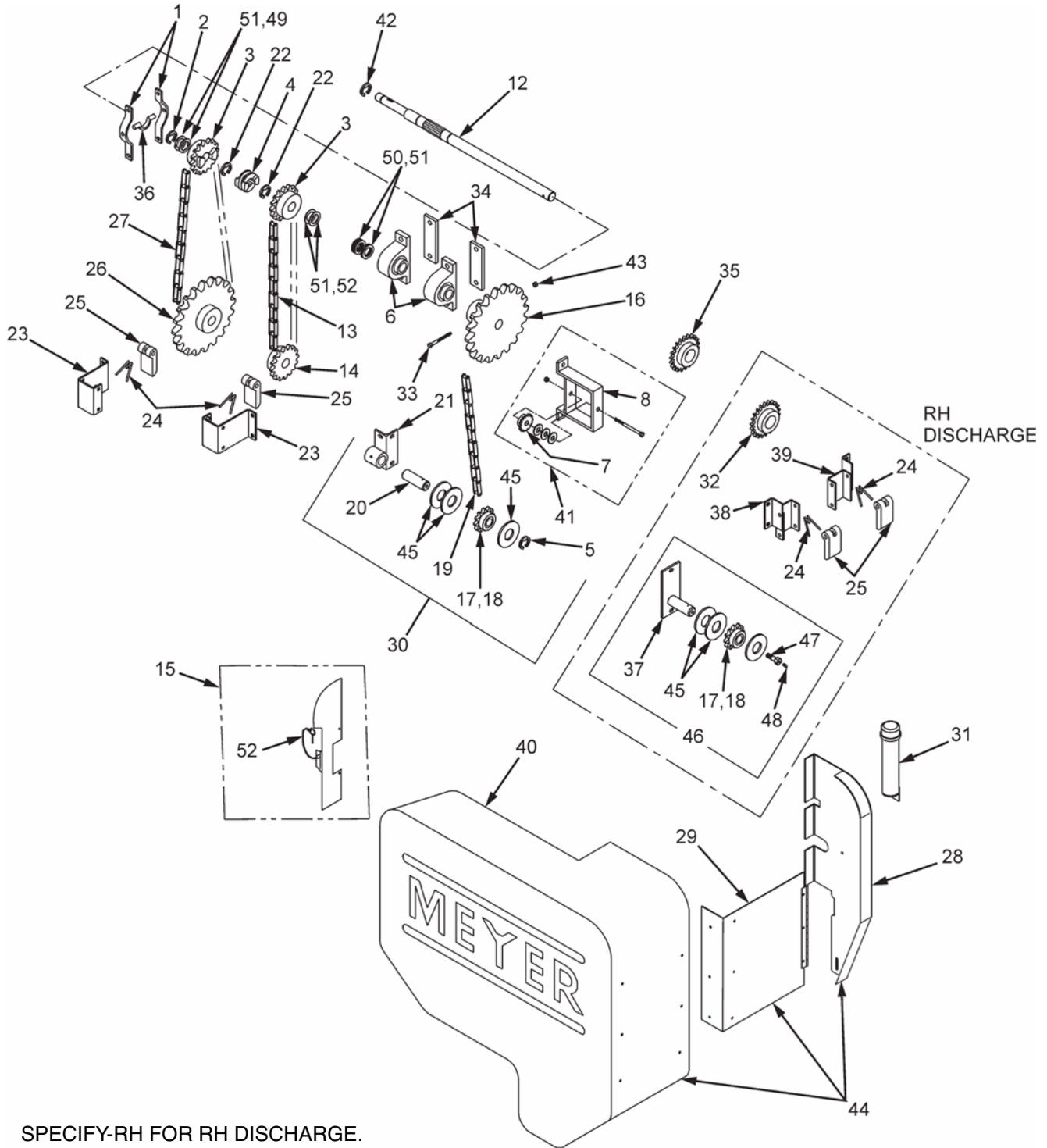
FRONT & REAR UNLOAD MAIN APRON



FRONT & REAR UNLOAD MAIN APRON

KEY	PART NUMBER	QTY	DESCRIPTION
1	25-0237	3	Rear Apron Shield Brace
2	25-6017-1	1	Right Main Roller Bracket
3	25-6004	1	Left Main Roller Bracket
4	25-6022-1	2	Bearing Bracket Brace
5	23-0152	1	Rear Drive Main Roller
6	11-0105	2	Chain Assy. 6218 Floor. 667X
	11-0106	2	Chain Assy. 6220 Floor, 667X
	11-0119	2	Chain Assy. 6222 Floor, 667X
	11-0141	2	Chain Assy. 6224 Floor, 667X
7	11-0008-1		Pintle Chain Link-D667X
7A	11-0008-8		Pintle Chain Pin 667X
8	11-0008-2		Rivet, 3/8 x 1
9	11-0080		Main Apron Slat Only
10	11-0008-3		Attachment Link-D667X
11	24-0129	1	Rear Shield Complete
12	11-0084-2		Chain Slat w/attachments-667X
13	14-0050	1	Shaft Bearing Assy., Front Drive
14	23-0151-1	1	Front Drive Main Drive Shaft
15	19-0161	1	Front Gear Reducer (50:1)
16	33-0017	2	Bolt, 5/8 x 3 1/2" Gr5 w/ Lock Nut
17	823-0004	2	Snap Pin
18	37-0015	1	Splined Drive Plate Assy. W/Bolts
19	933-3606	1	Bronze Washer
20	831-7516-2	2	Drive Bolt, 3/4-16 x 2 Allen Head Gr. 8
21	35-0024	4	1/2 x 1/2 x 2-1/2" Square Key
22	844-7516-Z	2	3/4-16 Flange Top Locknut
23	14-0038	1	T300 Front Center Main Drive Bearing
24	Shim	AR	Center Bearing Bracket Shim
25	14-0034-HD	1	Rear Main Roller Shaft Bearing Assy.
26	30-0009	1	1/8" NPT Coupler
27	32-0024	1	9/32" Loom Clamp
28	30-0002	1	1/8" NPT Straight Zerk
29	33-1003	1	Rubber Grommet
30	735-.25CT		Copper Tube Grease Line (By the foot)
31	930-3602	2	Male Brass Compression Fitting
32	10-0094-F	4	Sprocket Assy., Front Main Drive
33	27-0032	2	Reverse Chain Guide Panel
34	25-6016	1	Washer Assy., Front Drive
35	14-0055-S	1	Split Center Bearing
36	30-0018	1	1/8 x 1/8 45 Degree Straight Elbow
37	933-3637	1	51" Grease Line Assembly

TWO SPEED CLUSTER DRIVE



SPECIFY-RH FOR RH DISCHARGE.

ITEMS 15, 28, 29, 40, 52 ARE PARTS OF COMPLETE ASSEMBLY, KEY 44.

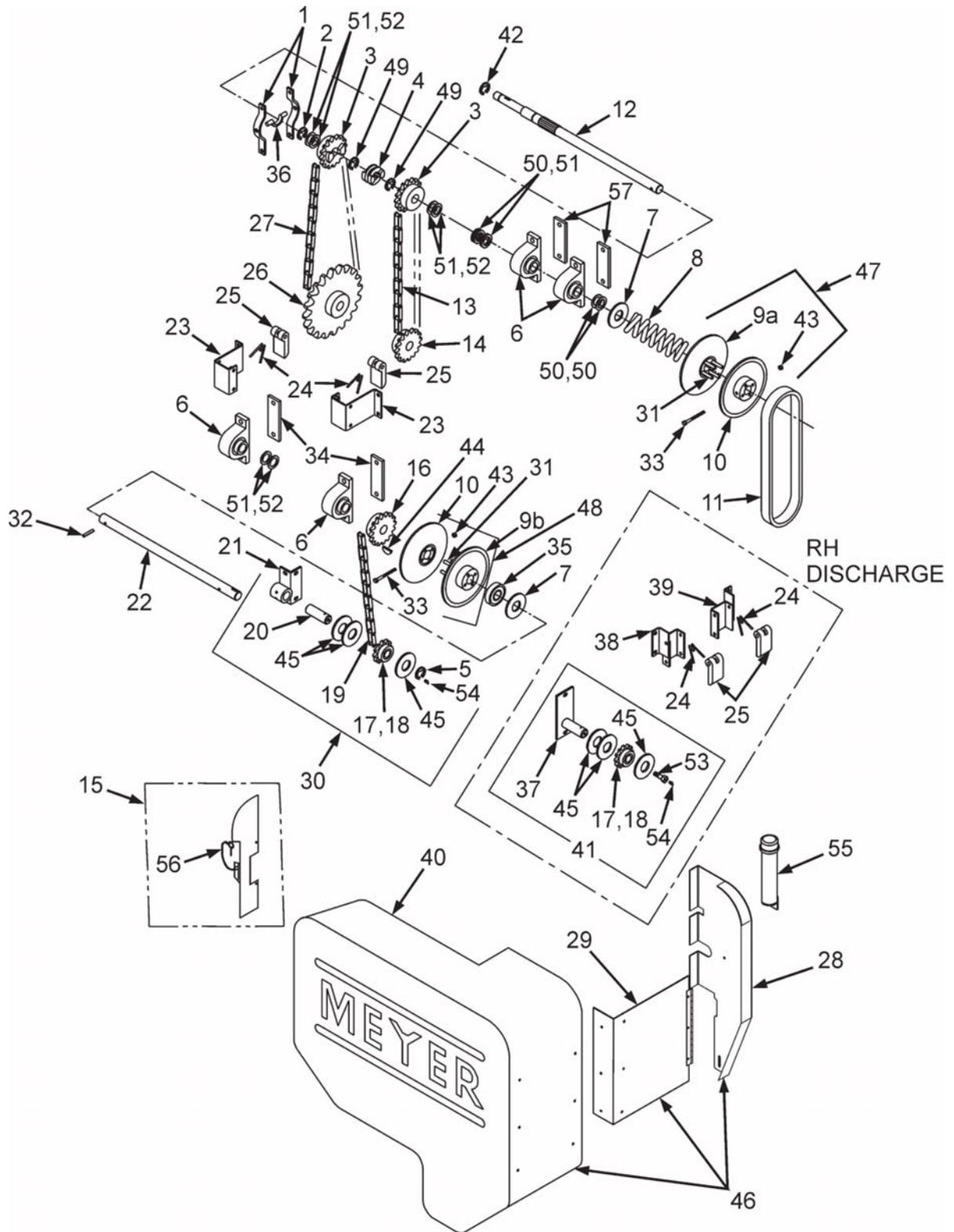
6200-TwoSpeedClusterDrive.cdr

TWO SPEED CLUSTER DRIVE

KEY	PART NUMBER	QTY	DESCRIPTION
1	17-0001	2	Clutch Shifter Yoke
2	33-0012	1	1-1/4 Dia Retaining Ring
3	10-0006	2	Clutch Sprocket 50C16 1-1/4 Bore
4	15-0001	1	Jaw Clutch 1-1/4 Splined Bore
5	33-1000	1	1-1/8" Retaining Ring
6	14-0032	4	1-1/4 Pillow Block Bearing
	14-0002-3G		1-1/4 Bearing Only (Greaseable)
7	10-0068	1	Idler Sprocket 50C17 w/Bearing
	10-0068-1		1/2" Idler Bearing Only
8	25-0165	1	Idler Sprocket Mounting Brkt
12	19-0015-1-2SP	1	Upper Gearbox Input Shaft, Drilled
13	11-0016	1	#50-75 Roller Chain
14	10-0093		Sprocket 50B24 1-1/4" Bore 5/16" Keyway
15	25-6015	1	Door Catch Assembly
16	10-0072	1	Sprocket 50C28 1-1/4" Bore, Drilled
17	14-0026	1	1-1/8" B Needle Bearing Only
18	10-0061	1	Idler Sprocket 50C17 w/Needle Bearing
19	11-0100	1	#50-195 Roller Chain
20	23-0044	1	Idler Shaft
21	25-0164	1	Idler Bracket Weldment
22	33-0018	2	1-1/4" Snap Ring
23	25-0161-1	2	Chain Tensioner Bracket
24	29-0002	4	Tensioner Spring
25	41-0001	2	Tightener, 5" Nylon Slide
26	10-0058	1	Sprocket 50B42 1-1/4 Bore
27	11-0030	1	#50-85 Roller Chain
28	25-6014	1	Shield Mount Plate
29	24-0112-4	1	Shield Support with Hinge
30	44-0048	1	2-Spd Front Idler Shaft Assy.
31	33-0044	1	Manual Holder w/Caps
32	10-0004	1	Lower Shaft Sprocket, 50B17 1 1/4" Bore, 1/4" Keyway
33	851-3118-3.5Z	2	5/16 x 3-1/2 MB GR5
34	43-0013-.5	2	Spacer Plate
35	10-0019	1	Sprocket 50B22 1" Bore
36	21-0001	1	Collar, Clutch Shifter-Brass
37*	25-0189	1	2-Spd Idler Brkt Plate & Shaft Weldment
38*	25-0183-RHH	1	Tightener Bracket Weldment (High)
39*	25-0183-RHL	1	Tightener Bracket Weldment (Low)
40	24-0112-1	1	Plastic Door Only
41	44-0049	1	2 Spd Idler Brkt Assy. w/Sprocket
42	19-0055-4-19	1	1" ID Snap Ring
43	815-3118-Z	2	5/16" Nylon Insert Lock Nut
44	24-0116-K	1	T300 Unit Shield Assembly
45	808-1.13-1.75-18	A/R	18 Ga. 1-1/8 ID Machine Bushing
46*	44-0050	1	RH 2 Spd Idler Plate Assy. w/Sprocket
47	33-0030-RH	1	Idler Shaft Grease Bolt, 1/2" x 3/4
48	30-0004	1	1/4"-28 90° Grease Fitting
49	808-1.25-1.88-18	A/R	18 Ga. 1-1/4 ID Machine Bushing
50	808-1.25-1.875-10	A/R	10 Ga. 1-1/4 ID Machine Bushing
51	808-1.25-1.875-14	A/R	14 Ga. 1-1/4 ID Machine Bushing
52	823-0003	1	Lynch Pin

* These items for RH discharge units only

TSS VARIABLE SPEED CLUSTER DRIVE W/IOC



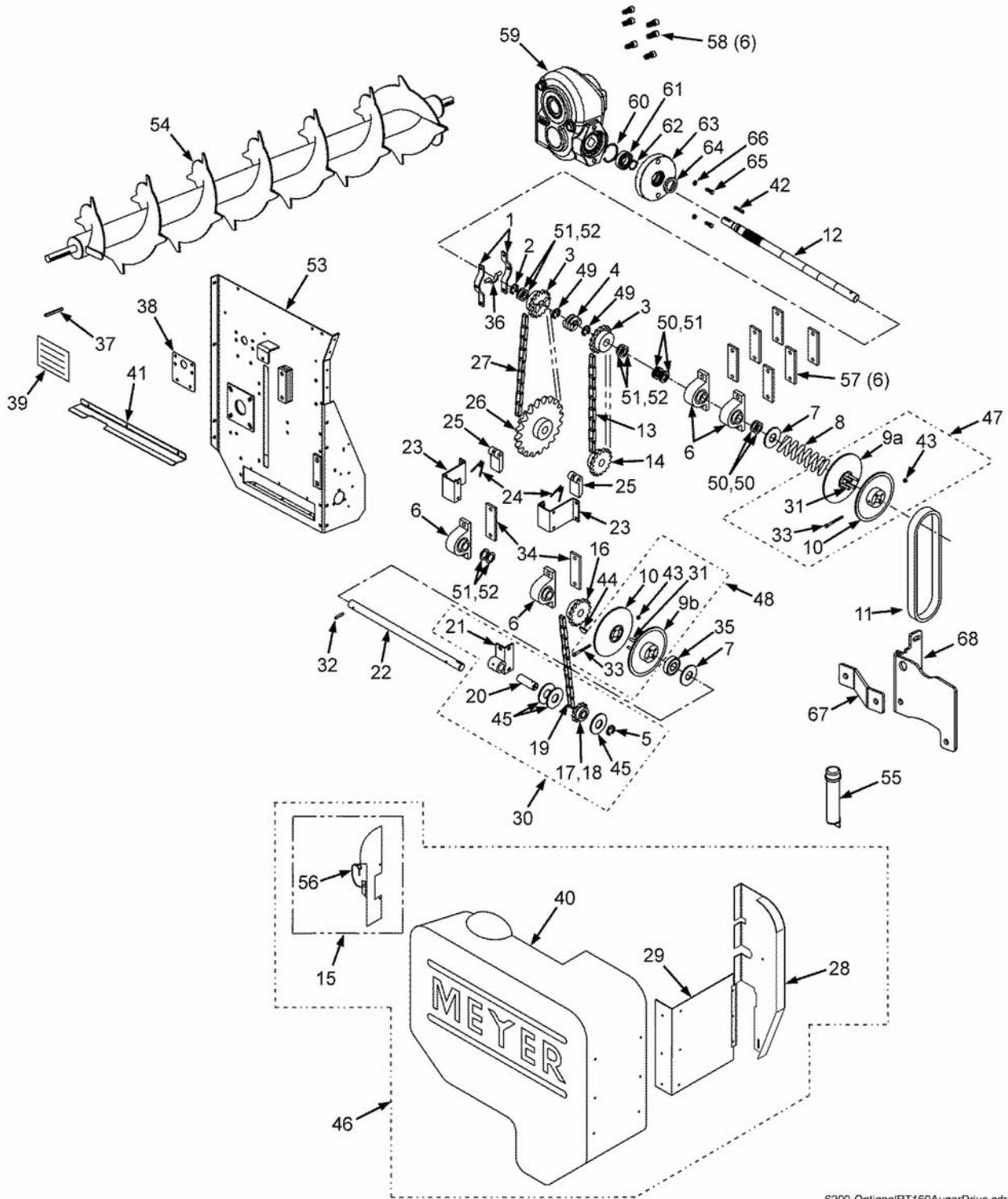
6200-TSSVariableSpeedClusterDrive.cdr

TSS VARIABLE SPEED CLUSTER DRIVE W/IOC

KEY	PART NUMBER	QTY	DESCRIPTION
1	17-0001	2	Clutch Shifter Yoke
2	33-0012	1	1-1/4 Dia Retaining Ring
3	10-0006	2	Clutch Sprocket 50C16 1-1/4 Bore
4	15-0001	1	Jaw Clutch 1-1/4 Splined Bore
5	33-1000	1	1-1/8" Retaining Ring
6	14-0032	4	1-1/4 Pillow Block Bearing
	14-0002-3G		1-1/4 Bearing Only (Greaseable)
7	828-0125Z	1	SAE Washer 1-1/4 ID
8	29-0009	1	Spring, Clutch
9a	12-0015-HD	1	Variable Sheave Half, Tapped (Upper Sheave Shaft)
9b	12-0009-HD	1	Variable Sheave Half, Tapped (Lower Sheave Shaft)
	12-0009-1	1	Rubber O-Ring Only (not illustrated)
10	12-0010-HD	2	Fixed Sheave Half
11	49-0013	1	Belt
12	19-0015-1	1	Upper Gearbox Input Shaft
13	11-0016	1	#50-75 Roller Chain
14	10-0093	1	Sprocket 50B24 1-1/4" Bore, 5/16" Keyway
15	25-6015	1	Door Catch Assembly
16	10-0035	1	Sprocket 50B19 1-1/4" Bore
17	10-0061	1	Idler Sprocket 50C17 w/Needle Bearing
18	14-0026	1	1-1/8" B Needle Bearing Only
19	11-0140	1	#50-142 Roller Chain
20	23-0044	1	Idler Shaft
21	25-0160	1	Idler Bracket Weldment
22	23-0045	1	Lower Shaft
23	25-0161-1	2	Chain Tensioner Bracket
24	29-0002	4	Tensioner Spring
25	41-0001	2	Tightener, 5" Nylon Slide
26	10-0058	1	Sprocket 50B42 1-1/4" Bore
27	11-0030	1	#50-85 Roller Chain
28	25-6014	1	Shield Mount Plate
29	24-0112-4	1	Shield Support with Hinge
30	44-0047	1	TSS Front Idler Shaft Assy.
31	12-0011-HD	8	Guide Pins, 1/2" Dia.
32	38-0013	1	Roll Pin, 5/16 x 1-3/4
33	851-3118-3.75Z	2	5/16 x 3-3/4 MB GR5
34	43-0013	2	Spacer Plate
35	14-0029	1	1-1/4" Thrust Bearing
36	21-0001	1	Collar, Clutch Shifter-Brass
37*	25-0184	1	Idler Brkt Plate & Shaft Wldmt
38*	25-0183-RHH	1	Tightener Bracket Wldmt (High)
39*	25-0183-RHL	1	Tightener Bracket Wldmt (Low)
40	24-0112-1	1	Plastic Door Only
41*	44-0047-RH	1	RH TSS Front Idler Shaft Assy.
42	19-0055-4-19	1	1" ID Snap Ring
43	814-3118-Z	2	5/16" Center Lock Nut
44	35-0002	1	1/4 x 1-1/4" Woodruff Key
45	808-1.13-1.75-18	A/R	18 Ga. 1-1/8 ID Machine Bushing
46	24-0116-K	1	T300 Unit Shield Assembly
47	12-0015K	1	Upper Sheave Kit Complete
48	12-0009K	1	Lower Sheave Kit Complete
49	33-0018	2	1 1/4" Snap Ring
50	808-1.25-1.875-10	A/R	10 Ga. 1-1/4 ID. Machine Bushing
51	808-1.25-1.875-14	A/R	14 Ga. 1-1/4 ID Machine Bushing
52	808-1.25-1.88-18	A/R	18 Ga. 1-1/4 ID Machine Bushing
53	33-0030-RH	1	Idler Shaft Grease Bolt, 1/2 "x 3/4"
54	30-0004	1	1/4"-28 90° Grease Fitting
55	33-0044	1	Manual Holder w/Cap
56	823-0003	1	Lynch Pin
57	43-0013-.5	2	Spacer Plate

* These items for RH discharge units only

RT160 VARIABLE SPEED CLUSTER DRIVE W/IOC



6200-OptionalRT160AugerDrive.cdr

RT160 VARIABLE SPEED CLUSTER DRIVE W/IOC

KEY	PART NUMBER	QTY	DESCRIPTION
1	17-0001	2	Clutch Shifter Yoke
2	33-0012	1	1-1/4" Diameter Retaining Ring
3	10-0006	2	Clutch Sprocket 50C16 1-1/4" Bore
4	15-0001	1	Jaw Clutch 1-1/4" Splined Bore
5	33-1000	1	1-1/8" Retaining Ring
6	14-0032	4	1-1/4" Pillow Block Bearing
	14-0032-3G		1-1/4" Bearing Only (Greaseable)
7	828-0125Z	2	SAE Washer 1-1/4" ID
8	29-0009	1	Spring, Clutch
9a	12-0015-HD	1	Variable Sheave Half, Tapped (Upper Sheave Shaft)
9b	12-0009-HD	1	Variable Sheave Half, Tapped (Lower Sheave Shaft)
	12-0009-1	1	Rubber O-Ring Only (Not Illustrated)
10	12-0010-HD	2	Fixed Sheave Half
11	49-0013	1	Belt
12	23-0167	1	RT160 Upper Gearbox Input Shaft
13	11-0057	1	#50-71 Roller Chain
14	10-0093	1	Sprocket 50B24 1-1/4" Bore, 5/16" Keyway
15	25-6015	1	Door Catch Assembly
16	10-0035	1	Sprocket 50B19 1-1/4" Bore
17	10-0061	1	Idler Sprocket 50C17 W/Needle Bearing
18	14-0026	1	1-1/8" Bore Needle Bearing Only
19	11-0140	1	#50-142 Roller Chain
20	23-0044	1	Idler Shaft
21	25-0160	1	Idler Bracket Weldment
22	23-0045	1	Lower Shaft
23	25-0423	2	RT160 Chain Tensioner Bracket
24	29-0002	4	Tensioner Spring
25	41-0001	2	Tightener, 5" Nylon Slide
26	10-0058	1	Sprocket 50B42 1-1/4" Bore
27	111-0050-81	1	#50-81 Roller Chain
28	25-6014	1	Shield Mount Plate
29	24-0112-4	1	Shield Support With Hinge
30	44-0047	1	TSS Front Idler Shaft Assembly
31	12-0011-HD	8	Guide Pins, 1/2" Diameter
32	38-0013	1	Roll Pin, 5/16 x 1-3/4"
33	851-3118-3.75Z	2	5/16 x 3-3/4" Bolt

RT160 VARIABLE SPEED CLUSTER DRIVE W/IOC

KEY	PART NUMBER	QTY	DESCRIPTION
34	43-0013	2	Spacer Plate
35	14-0029	1	1-1/4" Thrust Bearing
36	21-0001	1	Collar, Clutch Shifter-Brass
37	135-3131-4-1	1	5/16 x 5/16 x 4" Square Key 1045 W/Square Ends
38	25-0428	1	RT160 Spacer Plate
39	46-0001-124	1	Important Upper & Lower Gearbox Lube Decal
40	24-0112-1	1	RT160 Cluster Shield
41	25-0430	1	Cluster Shield Top Cap - Bolt-On
42	135-2525-1.25-1	1	1/4 x 1/4 x 1.25" Square key 1045 W/Rounded Ends
43	814-3118-Z	2	5/16" Center Lock Nut
44	35-0002	1	1/4 x 1-1/4" Woodruff Key
45	808-1.13-1.75-18	A/R	18 Ga. 1-1/8 ID Machine Bushing
46	24-0116-K	1	T300 Unit Shield Assembly
47	12-0015K	1	Upper Sheave Kit Complete
48	12-0009K	1	Lower Sheave kit Complete
49	33-0018	2	1-1/4" Snap Ring
50	808-1.25-1.875-10	A/R	10Ga. 1-1/4" ID Machine Bushing
51	808-1.25-1.875-14	A/R	14Ga. 1-1/4" ID Machine Bushing
52	808-1.25-1.88-18	A/R	18Ga. 1-1/4" ID Machine Bushing
53	39-0028	1	RT300/700 Right End Frame Welded Assembly
54	26-0037	1	RT160 Bottom Auger Assembly 5/16" Keyway
	26-0037-FB	1	RT160 Feeder Box Bottom Auger Assembly 5/16" Keyway
55	33-0044	1	Manual Holder W/Cap
56	823-0003	1	Lynch Pin
57	43-0013-.5	6	Spacer Plate
58	831-M12-1.75-25	6	Socket Head Cap Screw M12-1.75 x 25
59	19-0206	1	RT160 Gearbox 8.4:1 W/Gasket
60	33-0053	1	Snap Ring 2.21" Internal
61	14-0308	1	1" Bearing
62	19-0002-8	1	Snap Ring 1" Shaft External
63	19-0206-1-1	1	RT160 Input Housing
64	19-0206-1-2	1	Seal
65	851-M12-1.75-40-Z	1	Hex Head Bolt M12-1.75 x 40MM
66	822-0050-Z	2	1/2" Split Lock Washer
67	25-0476	1	Variable Speed Control Arm Mount Brace
68	25-0475	1	RT160 Speed Control Brace

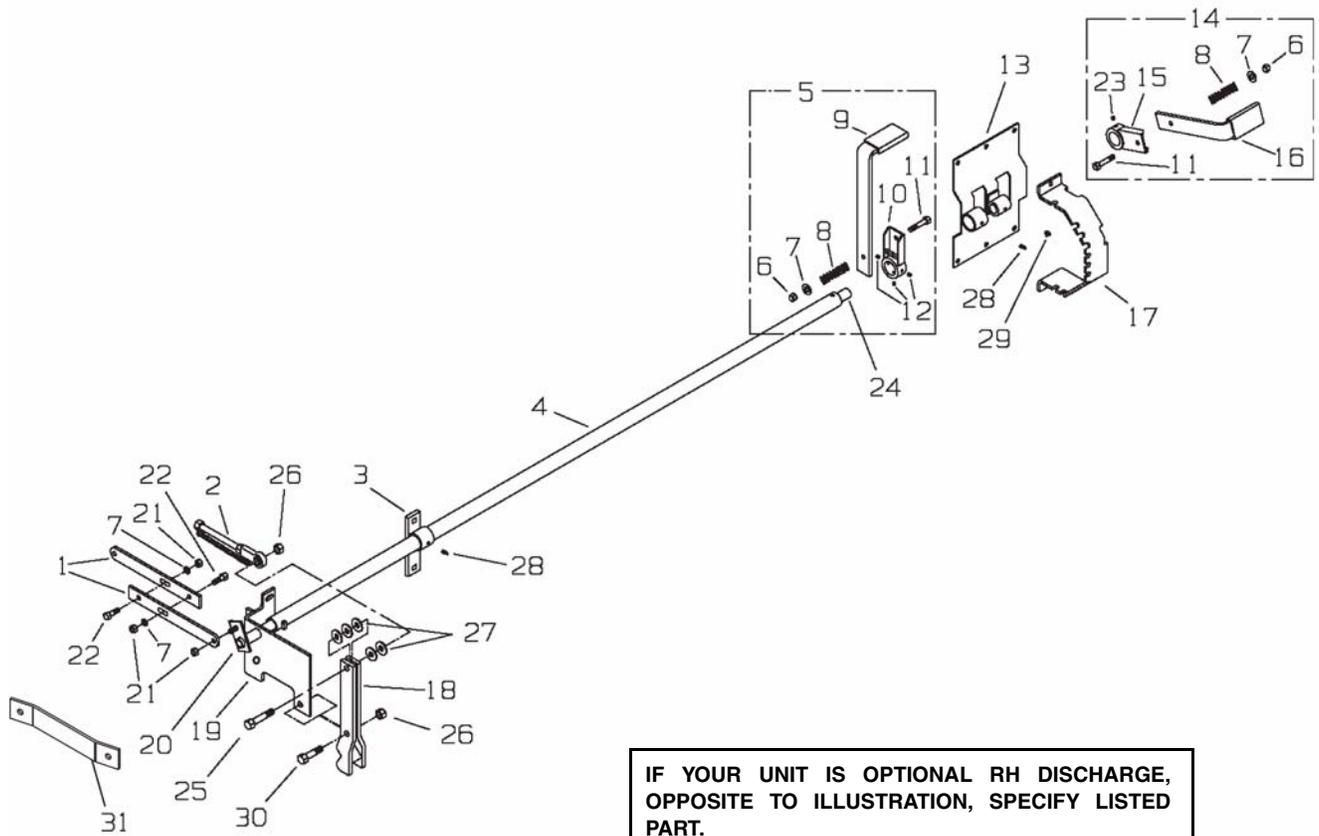
TSS AUGERS & AUGER DRIVE

KEY	PART NUMBER	QTY	DESCRIPTION
1	35-0006	4	Key 3/8 x 1-1/4
2	41-0009	1	Lower Auger Drive Chain Tightener Assembly
2A	25-0047	1	Mounting Bracket
2B	29-0002	2	Spring
2C	41-0002	1	Tightener, 3" Nylon Slide
3	14-0003-2	10	1-1/4 Bearing Flange, 2 Hole
4	14-0002-3	7	Bearing w/Collar 1-1/4
5	14-0002-2	4	1-1/4 Bearing Flange, 3 Hole
6	10-0012	3	Sprocket 50B17, 1-1/4 Bore, 3/8" Keyway
7	25-6025	1	Top Auger Mounting Bracket w/Tightener Bracket
8	100-9990-200-1-1	1	Right Top Auger Mounting Bracket
9	11-0079	1	Lower Auger #60-80 Roller Chain (Prior to Serial #11T3223)
	111-0060-83	1	Lower Auger #60-83 Roller Chain (Serial #11T3223 & Later)
10	26-0034	2	Auger 2nd & 3rd
	26-0034-FB	1	Feeder Box Models - 2nd Auger
11	26-0033	1	Lower Auger 1/4" Key (Prior to serial #09T3201)
	26-0033-FB	1	Feeder Box Lower Auger 1/4" Key (Feeder Box Models: Prior To Serial #09T5201, 09T6201)
	26-0036	1	Lower Auger 5/16" Key (Serial #09T3201 & Later)
	26-0036-FB	1	Feeder Box Lower Auger 5/16" Key (Feeder Box Models: Serial #09T5201, 09T6201 & Later)
	26-0037-FB		RT160 Feeder Box Bottom Auger Assembly 5/16" Keyway (See Page 58)
12	35-0028	1	Key 1/4 x 1-1/4" (Prior to serial #09T3201)
	35-0030-H	1	Key 5/16 x 1-1/4" Hardened (Serial #09T3201 Thru 11T3222)
	135-31W-1.25-1	1	Woodruff Key 5/16" x 1-1/4" Hardened (Serial #11T3223 & Later)
13	10-0095	1	60B15 Sprocket, 1-1/4" Bore, 3/8" Keyway
14	24-6004	1	Auger Shield Welded Assy.
14A	24-0123-2	3	Hinges Only
15	26-0035	1	Upper Auger 4th
16	11-0139	1	3rd-4th Auger Chain #50-89 Link
17	10-0009	1	50B36 Sprocket, 1-1/4" Bore, 3/8" Keyway
18	11-0074	1	2nd-3rd Auger Chain #50-94
19	10-0095	1	60B15 Sprocket, 1-1/4" Bore, 3/8" Keyway (Prior to Serial #11T3223)
	110-60B20-1.25-1	1	60B20 Sprocket, 1-1/4" Bore, 3/8" Keyway (Serial #11T3223 & Later)

INDEPENDENT OUTFEED CLUTCH DRIVE

KEY	PART NUMBER	QTY	DESCRIPTION
1	23-0081	1	Clutch Drive Idler Shaft
2	35-0016	1	1/4" x 1/4" x 2-1/4" Key
3	23-0082	1	2-Way Unit Center Shaft
4	35-0001	1	1/4" x 1/4" x 1-1/8" Key
5	25-0267	1	Clutch Plate Weldment w/Jam Nut
6	14-0002-2	8	Flange, 3 Hole, 1-1/4"
7	14-0002-3	4	Bearing, 1-1/4" w/Collar
8	14-0002	4	Bearing Assembly, 1-1/4"
9	814-3816-Z	1	3/8" -16 Indented Lock Nut
10	933-3621	1	3/4" -10 Jam Nut
11	25-0260-4	1	Clutch Tightener Arm Weldment
12	912-0002-1	1	Tightener Roller 2" (Rubber)
13	805-0038-Z	2	3/8" Flat Washer
14	813-3816-Z	1	3/8" -16 Regular Nut
15	826-1014	1	1"-14 Jam Nut (only)
16	49-0023	1	Clutch, Double V-Belt
17	12-0020	2	8" Double Pulley, 1-1/4" B, 1/4" KWY
18	16-0041	1	Linkage Pivot Sleeve Weldment
19	801-3816-17.5	1	3/8" -16 x 17-1/2" HHCS
20	33-0020	1	Retaining Ring
21	808-1-1.15-18	A/R	18 Ga. 1" ID Machine Bushing
22	29-0005	1	Extension Spring
23	10-0004	1	50B17 Sprocket, 1-1/4" B, 1/4" KWY
24	811-2520-2.5Z	1	1/4" -20 x 2-1/2" Eye Bolt - Zinc
25	810-2520-Z	2	1/4" -20 Flange Spin Lock Nut
26	851-7510-3Z	1	3/4" -10 x 3" GR5 MB ZN
27	38-0015	1	5/16" x 2" Roll Pin
28	46-0001-68	1	Rear Unload Engage/Disengage Decal
29	35-0021	1	1/4" x 1/4" x 1-3/4" Key
30	43-0022	1	Spacer

VARIABLE SPEED SHIFTER CONTROLS AND EMERGENCY STOP CLUTCH RELATED PARTS

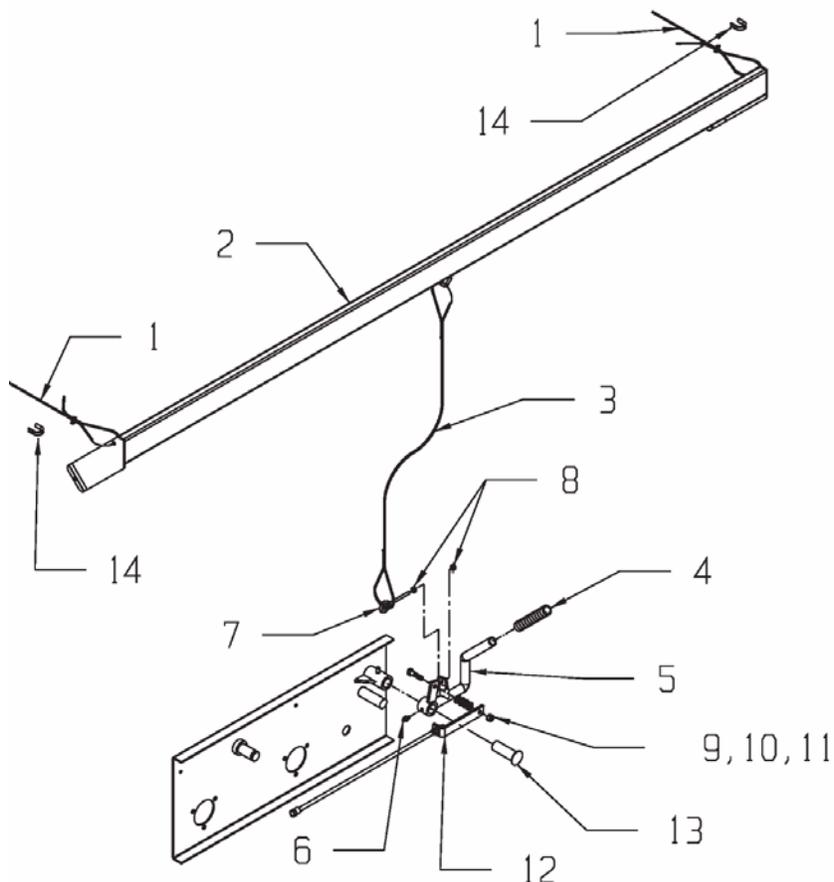


IF YOUR UNIT IS OPTIONAL RH DISCHARGE,
OPPOSITE TO ILLUSTRATION, SPECIFY LISTED
PART.

VARIABLE SPEED SHIFTER CONTROLS AND EMERGENCY STOP CLUTCH RELATED PARTS

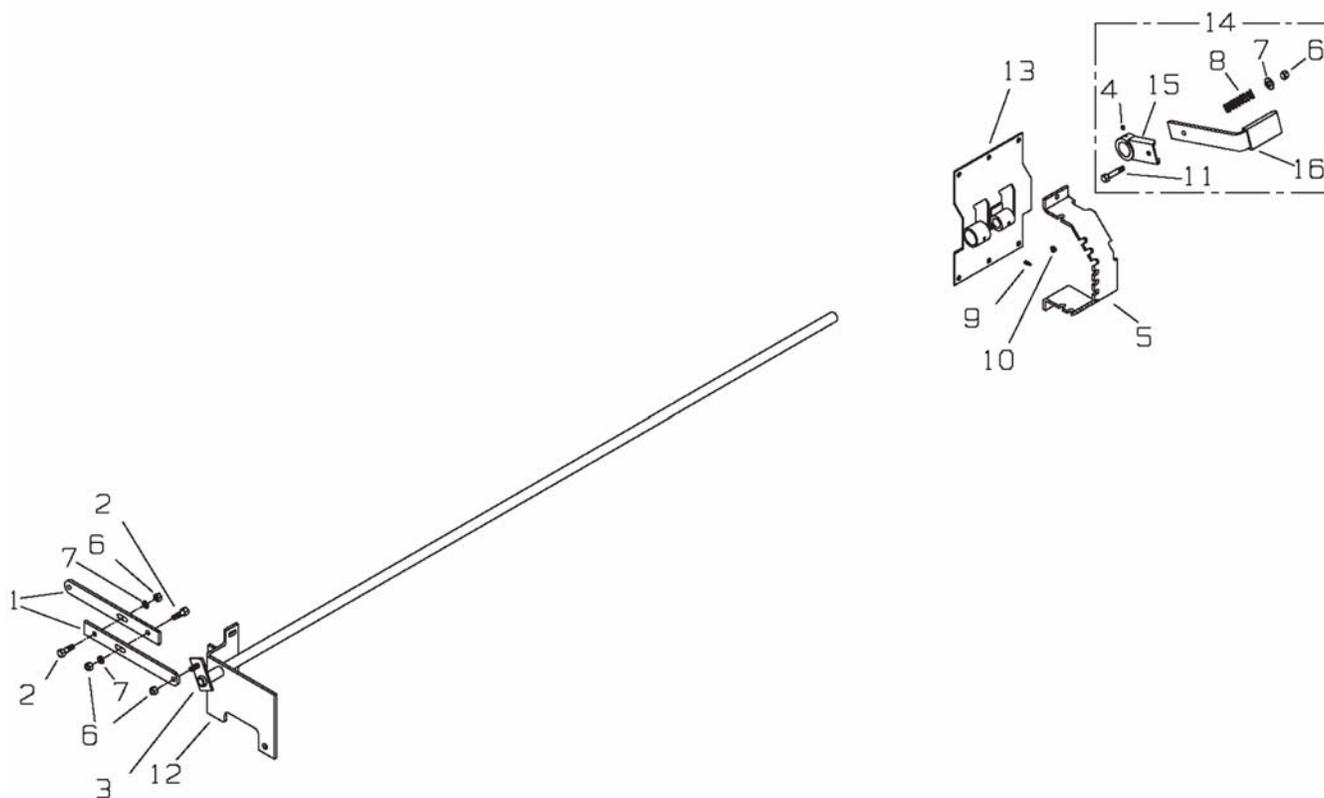
KEY	PART NUMBER	QTY	DESCRIPTION
1	42-0022-1	2	Linkage Bar
2	42-0021	1	Bolt w/Chain & Eyelet
3	42-0013	1	Pipe Guide Bracket Assy.
4	16-0031	1	Speed Control Pipe
5	16-0029	1	Speed Control Handle Assy.
6	814-3816-Z	2	3/8 Locknut (Zinc)
7	805-0038- Z	4	3/8 Flat Washer (Zinc)
8	29-0008	2	Spring
9	42- 0020	1	Speed Control Handle
10	42-0019	1	Speed Control Hub Wldmt
11	851-3816-2Z	1	3/8 x 2 Machine Bolt
12	827-3118-.38	3	5/16 x 3/8 Set Screw
13	25-0158	1	Quadrant Bracket Wldmt
14	16-0030	1	Range Control Handle Assy.
15	42-0018	1	Range Control Hub Wldmt
16	16-0028	1	Range Control Handle
17	25-0154	1	Control Quadrant
18	25-0151	1	Control Assy.
19	25-0157	1	Speed Control Bracket
20	16-0032-2	1	Range Control Pipe Ear
21	814-3816-Z	3	3/8 Locknut (Zinc)
22	851-3816-1.25Z	2	Bolt 3/8-16 x 1.25
23	38-0003	1	Roll Pin
24	16-0032	1	Range Control Pipe Assy.
25	851-5013-2.5Z	1	1/2-13 x 2-1/2" Bolt
26	814-5013-Z	2	1/2-13 Lock Nut
27	828-0050-Z	5	1/2" Washer
28	30-0001	2	1/4" Grease Zerk
29	30-0003	1	1/4" 45° Grease Zerk
30	851-5013-2Z	1	Bolt 1/2 x 2
31	25-0167	1	TSS Range Pipe Support Bracket Brace

INDEPENDENT OUTFEED CLUTCH



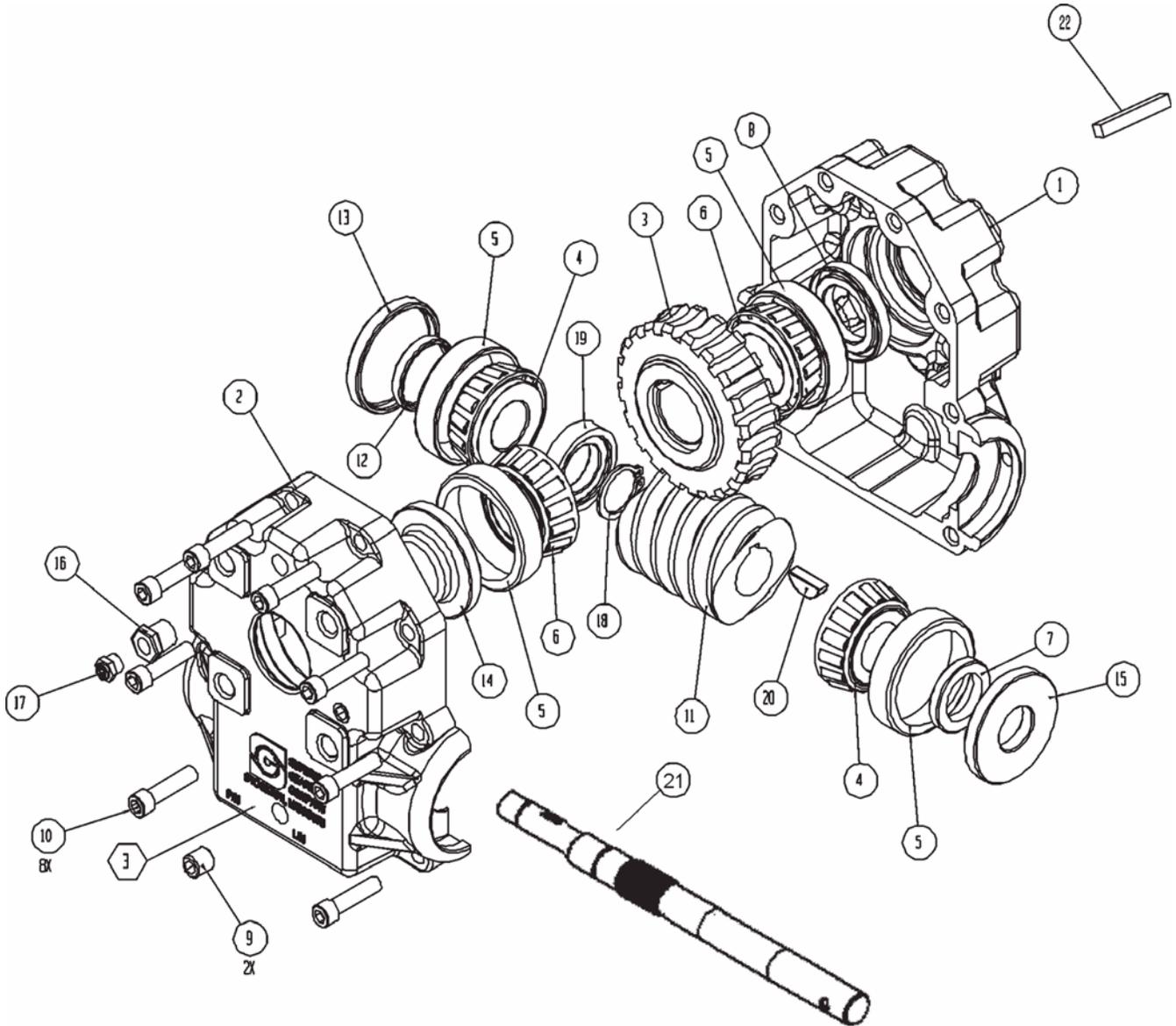
KEY	PART NUMBER	QTY	DESCRIPTION
1	36-0001	2	Cables, Emergency Stop
	36-0007	4	Cable Crimp Only
2	16-0010	1	Push Bar, Emergency Stop, Control
3	36-0002	1	Cable, Emergency Stop Front
	36-0007	2	Cable Crimp Only
4	51-0003	1	7/8" ID Rubber Grip Only
5	16-0044	1	I.O.C. Handle - Weldment
6	30-0001	1	1/4"-28 Straight Grease Fitting
7	811-2520-1Z	1	1/4"-20x1" Eye Bolt - Zinc
8	814-2520-Z	1	1/4"-20 Indented Lock Nut
9	851-3816-1.5Z	1	3/8"-16x1-1/2" Machine Bolt - Zinc GR5
10	805-0038-Z	4	3/8" Flat Washer
11	814-3816-Z	1	3/8"-16 Indented Lock Nut
12	25-0268-1	1	Linkage Extension Plate
13	25-0279	1	Pivot Shaft Weldment
14	33-0048	2	Cable Thimble

TWO SPEED HI-LO SHIFTER CONTROL



KEY	PART NUMBER	QTY	DESCRIPTION
1	42-0022-1	2	Linkage Bar
2	851-3816-1.25Z	2	Bolt 3/8-16 x 1.25
3	16-0032-2	1	Range Control Pipe Ear
4	38-0003	1	Roll Pin 1/4 x 1-1/4"
5	25-0154	1	Control Quadrant
6	814-3816-Z	4	3/8 Locknut (Zinc)
7	805-0038- Z	3	3/8 Flat Washer (Zinc)
8	29-0008	1	Spring
9	30-0001	2	1/4" Grease Zerk
10	30-0003	1	1/4" 45° Grease Zerk
11	851-3816-2Z	1	3/8 x 2 Machine Bolt
12	25-0157	1	Speed Control Bracket
13	25-0158	1	Quadrant Bracket Widmt
14	16-0030	1	Range Control Handle Assy.
15	42-0018	1	Range Control Widmt
16	16-0028	1	Range Control Handle

UPPER GEAR BOX WITH INPUT SHAFT ASSEMBLY 10:1



6200-UpperGearBox.cdr

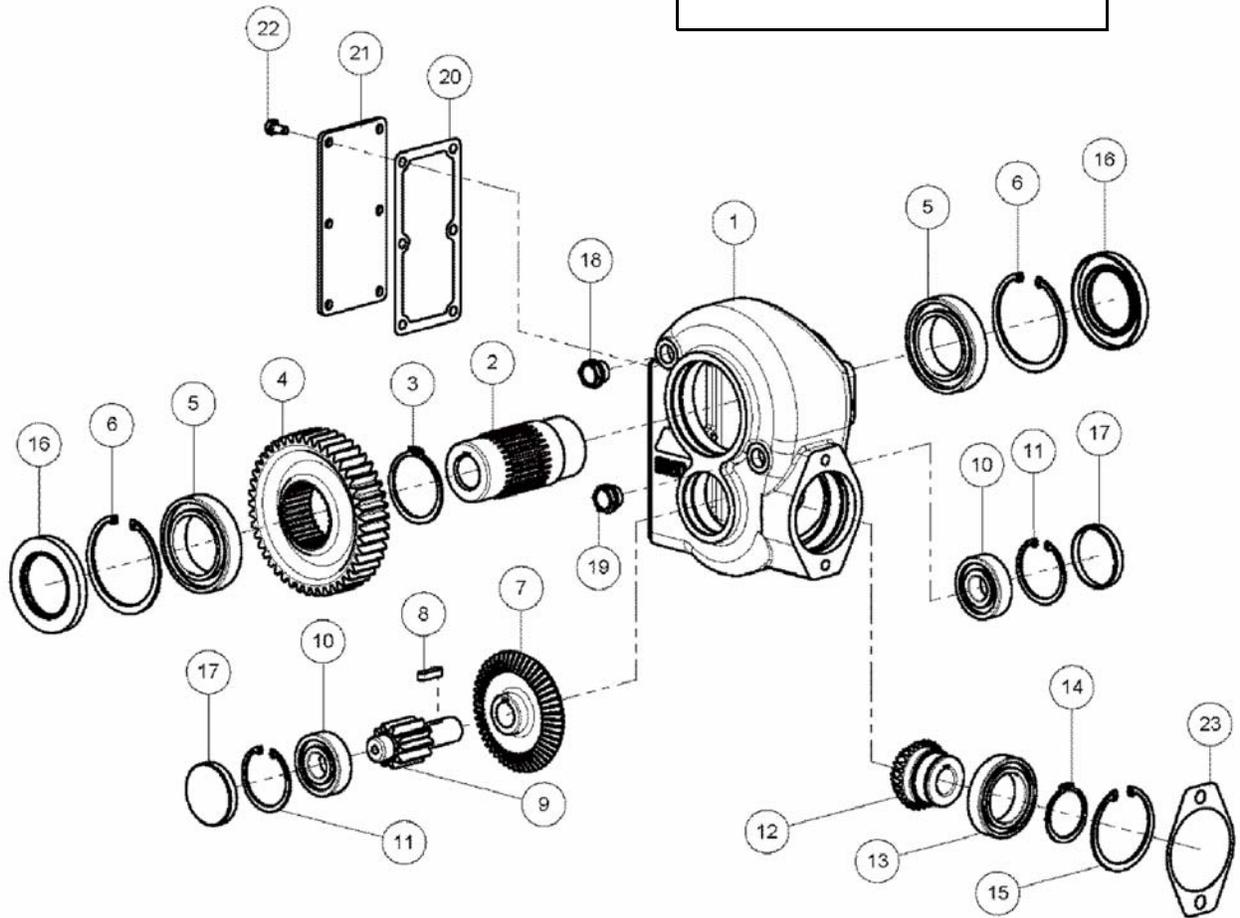
USE ONLY SYNTHETIC ISO 460 GEAR OIL AGMA 7 (NON EP) OR EQUIVALENT. DO NOT USE GREASE FOR LUBRICANT.

**UPPER GEAR BOX WITH INPUT SHAFT ASSEMBLY
10:1**

KEY	PART NUMBER	QTY	DESCRIPTION
	19-0158	1	Upper Gearbox w/ Input Shaft, 10:1, 5/16" Key
	19-0158-4	1	Upper Gearbox w/o Input Shaft, 10:1, 5/16" Key
1	19-0055-4-1	1	Tapped Gearbox Casting
2	19-0055-4-2	1	Thru Hole Casting
3	9-0058-GS	1	10:1 Gear Set, 4140 Gear, Bronze Worm, 5/16" Key (Prior to 12T5296, 12T6226)
	19-0058-4-2-4140	1	10:1 4140 Gear, 5/16" Key (SN12T5296, 12T6226 & Later)
4	19-0055-4-4	2	Bearing Cone
5	19-0055-4-5	4	Bearing Cup
6	19-0055-4-6	2	Bearing Cone
7	19-0024-12	1	Seal 1" ID x 1 1/2" OD
8	19-0016-10	1	Seal 1 1/4" ID x 2" OD
9	19-0055-4-9	2	Plug, 1/4-18 NPT Plug
10	19-0055-4-21	A/R	Bolt 5/16-18 x 1 1/4" SHCS
11	19-0058-GS	1	10:1 Gear Set, 4140 Gear, Bronze Worm, 5/16" Key (Prior to 12T5296, 12T6226)
	19-0058-4-3-BR	1	Bronze Rolled Worm Gear 10:1 (SN12T5296, 12T6226 & Later)
12	19-0024-28	1	End Cap 1 1/2"
13	19-0024-19	1	End Cap 2 5/16"
14	19-0055-4-15	1	End Cap 2"
15	19-0024-27	1	Seal 1" ID x 2 5/16" OD
16	19-0055-4-17	1	Bushing 1/4" NPT x 1/8" NPT
17	19-0055-4-18	1	Vent Plug 5 PSI
18	19-0055-4-19	1	External Retaining Ring 1.0 Shaft
19	9-0055-4-20	1	1 1/2" ID Spacer
20	19-0003-6	1	Woodruff Key
21	19-0015-1	1	TSS Input Shaft
22	35-0028	1	Key, 1/4" x 1-1/4" (Superior Split Housing) (Prior to SN 09T3201)
	35-0030-H-SK	1	Key, 1/4" x 5/16" x 1-1/4" Hardened(w/Updated Gear or GearBox) (Prior to SN 09T3201)
	35-0030-H	1	Key, 5/16" x 5/16" x 1-1/4" Hardened (SN 09T3201 thru 11T3222)
	135-31W-1.25-1	1	Key, Woodruff 5/16 x 1-1/4" Hardened (SN 11T3223 & Later)

19-0206
RT160 UPPER GEARBOX ASSEMBLY

USE ONLY 80W90 OIL

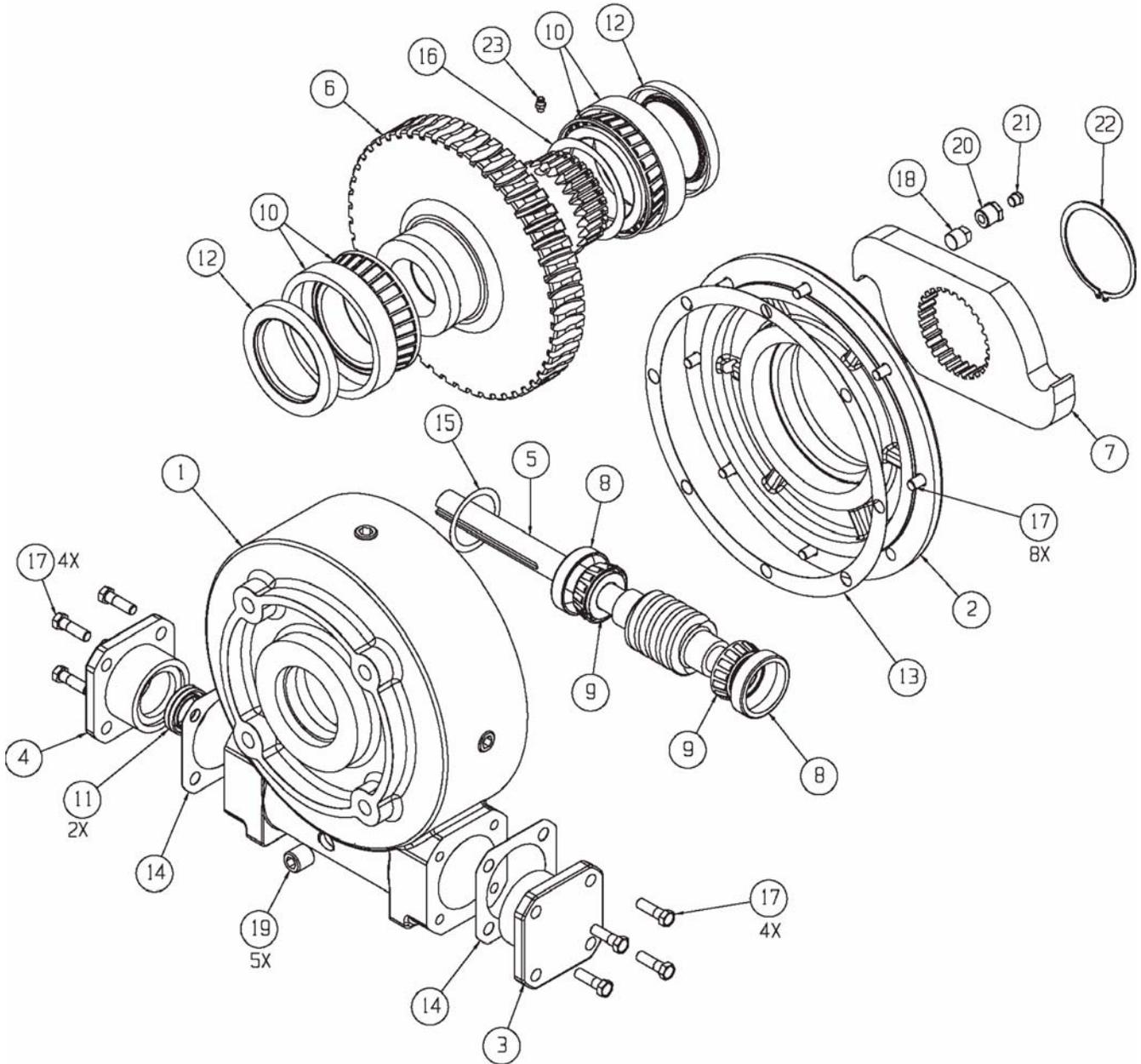


19-0206
RT160 UPPER GEARBOX ASSEMBLY

KEY	PART NUMBER	QTY	DESCRIPTION
1	19-0206-1	1	Housing
2	19-0206-2	1	1-1/4" Hub
3	19-0206-3	1	Retaining Ring
4	19-0206-4	1	Gear
5	19-0206-5	2	Bearing
6	19-0206-6	2	Retaining Ring
7	19-0206-7	1	Gear
8	19-0206-8	1	Key
9	19-0206-9	1	Pinion
10	19-0206-10	2	Bearing
11	19-0206-11	2	Retaining Ring
12	19-0206-12	1	Pinion
13	619-0001-18	1	Bearing
14	619-0001-19	1	Retaining Ring
15	619-0001-16	1	Retaining Ring
16	19-0206-13	2	Oil Seal
17	19-0206-14	2	Plug
18	19-0203-16	1	Oil Breather Plug
19	19-0203-14	1	Oil Level Indicator
20	19-0206-15	1	Gasket
21	19-0206-16	1	Cover
22	619-0001-27	1	M8 x 16 Hex Head Bolt
23	19-0203-17	1	Gasket

#19-0061
50:1 RATIO, FRONT, LOWER GEARBOX
6200 SERIES

Lower gearbox used on Serial #07T3213 & earlier. For later models see page 74.



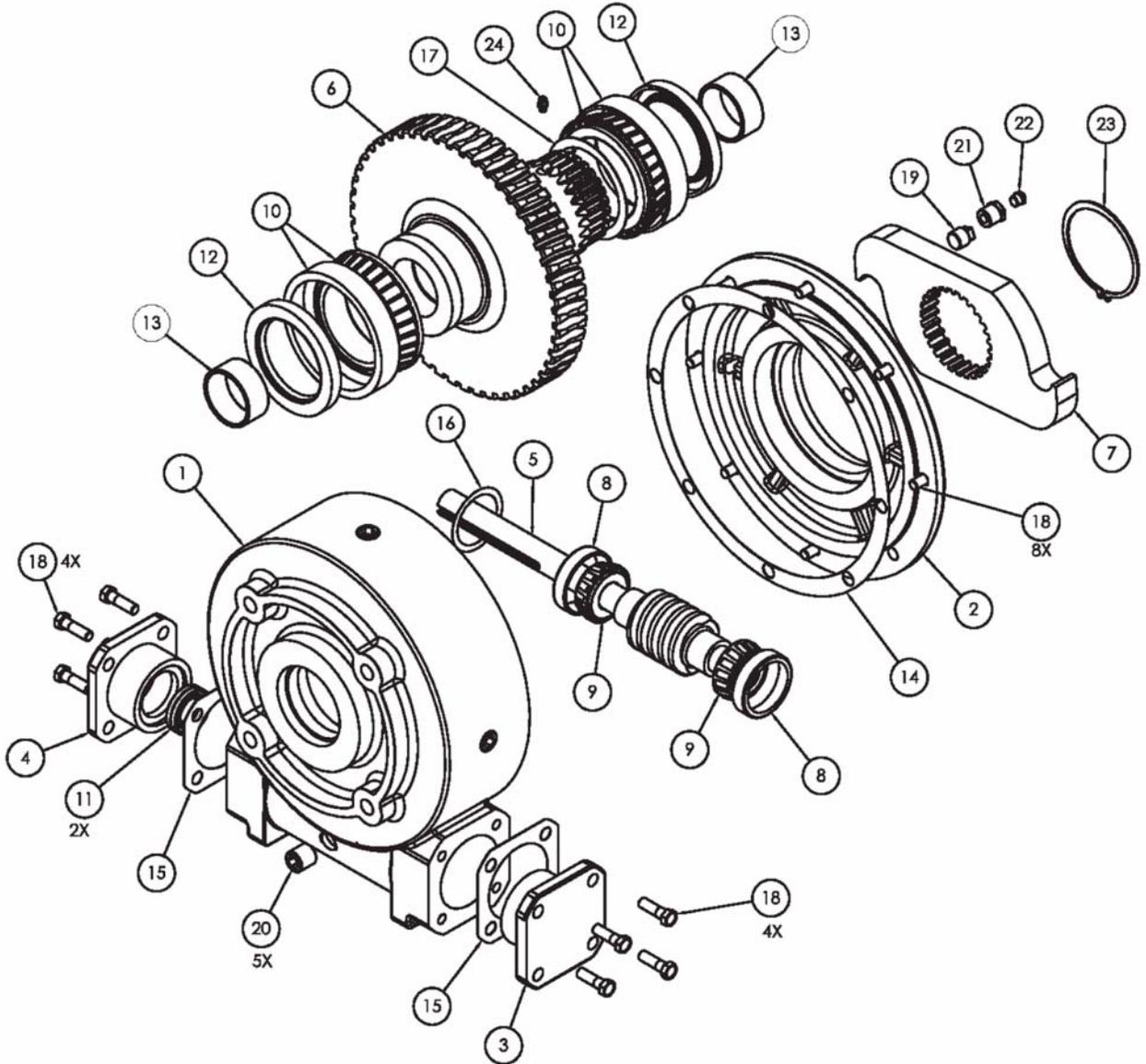
Use #85W140 wt. Gear Lube Oil **ONLY**.
DO NOT USE GREASE FOR LUBRICANT.

#19-0061
50:1 RATIO, FRONT, LOWER GEARBOX
6200 SERIES

KEY	PART NUMBER	QTY	DESCRIPTION
1	19-0061-1	1	Housing
2	19-0061-2	1	Output Cover
3	19-0051-3	1	End cap
4	19-0051-4	1	End cap
5	19-0051-5	1	Input Worm Shaft
6	19-0061-3	1	Gear Wheel 27 Tooth Spline
7	37-0016-1	1	Drive Plate
8	19-0051-8	2	Bearing, Input Cup
9	19-0051-9	2	Bearing, Input Cone
10	19-0061-4	2	Bearing, Output Cup/Cone
11	19-0051-12	2	Input Seal
12	19-0061-5	2	Output Seal
13	19-0051-16	1	Cover Gasket
14	19-0051-17	2	Input Gasket
15	19-0051-18	A/R	Input Shim
16	19-0061-6	A/R	Output Shim
17	851-3816-1Z	16	Bolt 3/8-16 x 1" Grade 5
18	19-0061-7	1	Plug, 3/8-18 NPT
19	19-0061-8	5	Plug, 1/2-14 NPT
20	19-0051-21	1	Bushing 1/2-14/1/8-27
21	19-0057-24	1	Plug, 5 PSI
22	19-0061-9	1	Retaining Ring External
23	30-0022	1	Grease Zerk 1/4-28
24	48-0044	88 oz.	Lube, EP 85W140

#19-0161 50:1 RATIO, FRONT, LOWER GEARBOX 6200 SERIES

Lower gearbox used on Serial #07T3214 & earlier. For later models see page 72.

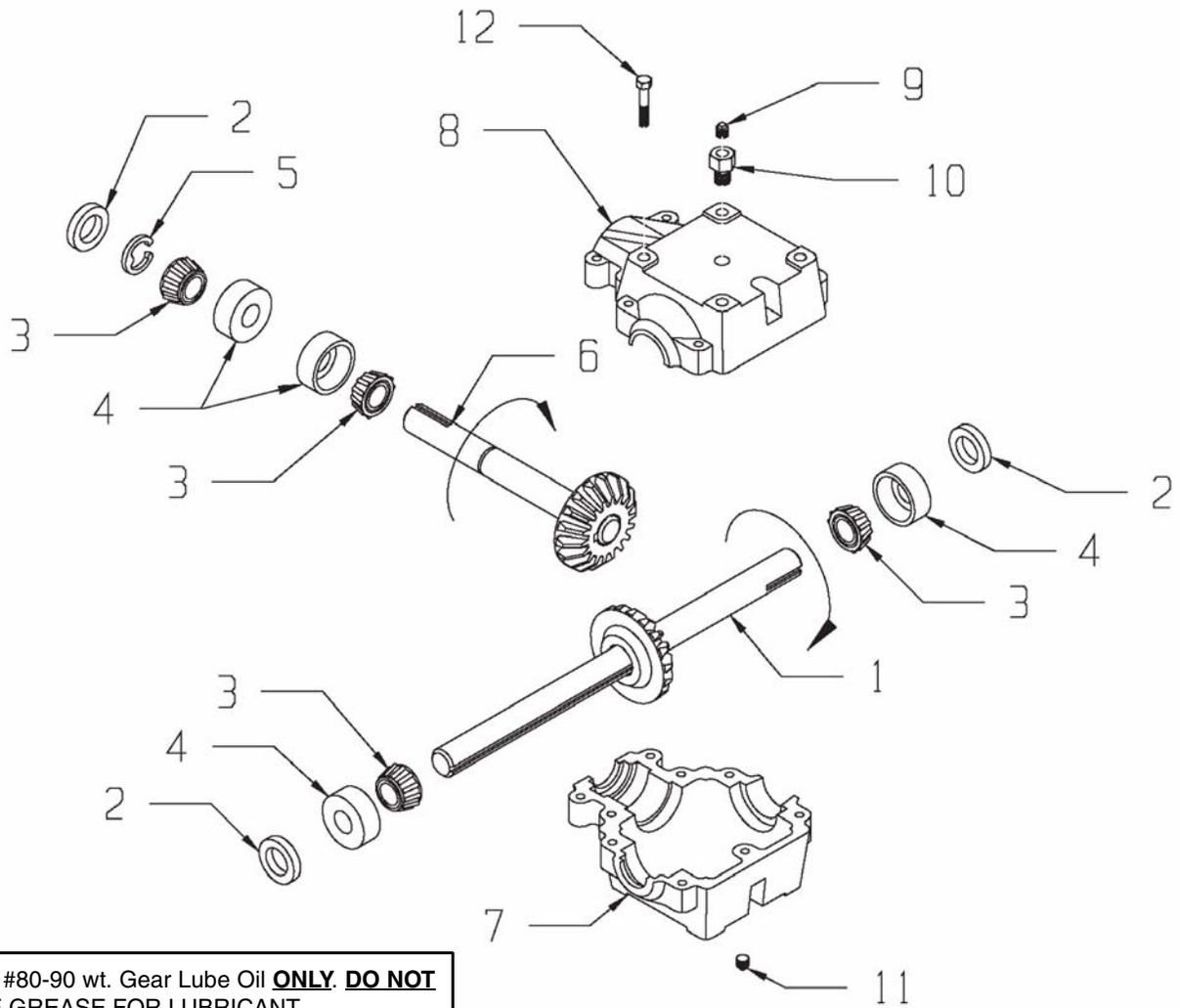


Use #85W140 wt. Gear Lube Oil **ONLY**.
DO NOT USE GREASE FOR LUBRICANT.

#19-0161
50:1 RATIO, FRONT, LOWER GEARBOX
6200 SERIES

KEY	PART NUMBER	QTY	DESCRIPTION
1	19-0061-1	1	Housing
2	19-0061-2	1	Output Cover
3	19-0051-3	1	End cap (Closed)
4	19-0051-4	1	End cap (Open)
5	19-0051-5	1	Input Worm & Shaft Assy
6	19-0061-3	1	Gear Wheel 27 Tooth Spline
7	37-0016-1	1	Drive Plate
8	19-0051-8	2	Bearing, Input Cup
9	19-0051-9	2	Bearing, Input Cone
10	19-0061-4	2	Bearing, Output Cup/Cone
11	19-0051-12	2	Input Seal
12	19-0061-5	2	Output Seal
13	19-0161-4	2	Bushing, Al Bronze
14	19-0051-16	1	Cover Gasket
15	19-0051-17	2	Input Gasket
16	19-0051-18	A/R	Input Shim
17	19-0061-6	A/R	Output Shim
18	851-3816-1Z	16	Bolt 3/8-16 x 1" Grade 5
19	19-0061-7	1	Plug, 3/8-18 NPT
20	19-0061-8	5	Plug, 1/2-14 NPT
21	19-0051-21	1	Bushing 1/2-14/1/8-27
22	19-0057-24	1	Plug, 5 PSI
23	19-0061-9	1	Retaining Ring External
24	30-0001	1	Grease Zerk 1/4-28
25	48-0044	88 oz.	Lube, E85W140

#19-0038 2:1 RATIO GEARBOX

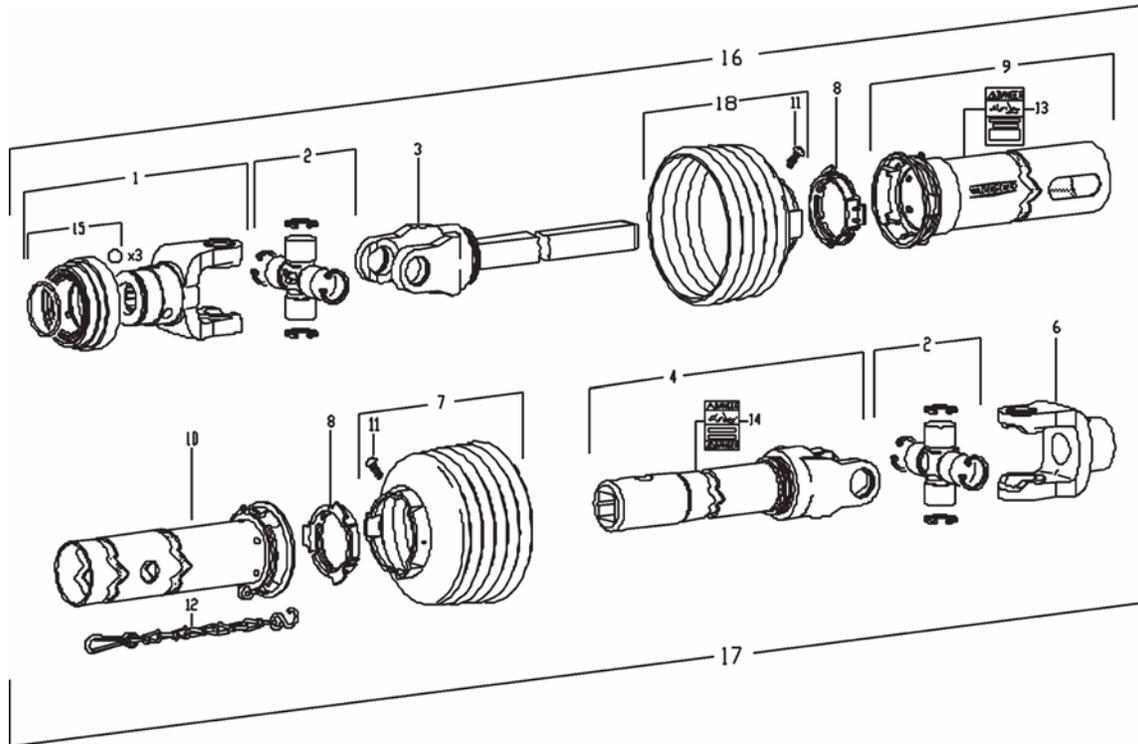


Use #80-90 wt. Gear Lube Oil **ONLY. DO NOT**
USE GREASE FOR LUBRICANT.

KEY	PART NO.	DESCRIPTION
1	19-0034-4	Output Shaft/Gear Assembly
2	19-0018-2	Seal
3	19-0018-3	Bearing Cone
4	19-0016-3	Bearing Cup
5	19-0018-4	Retaining Ring
6	19-0034-3	Input Shaft/Gear Assembly
7	19-0043-1	Gearbox Casting (Tapped Holes)
8	19-0041-2	Gearbox Casting (Thru Holes)
9	19-0002-17	Vent Plug, 5 PSI
10	19-0023-2	Bushing, 1/2-14 NPT
11	19-0016-5	Plug, 1/2-14 NPT
12	19-0016-11	Bolt, 3/8-16 x 1.50 SHCS

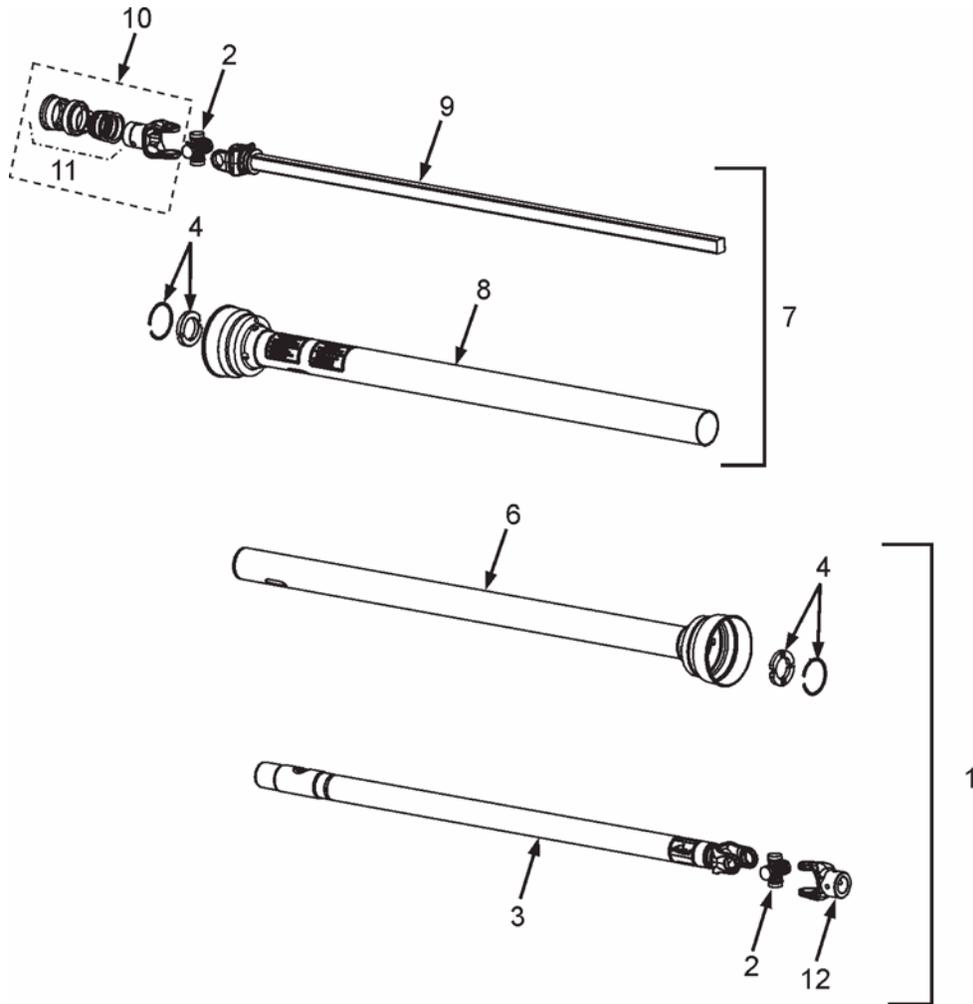
IMPORTANT: VERIFY CORRECT DRIVE ROTATION
BEFORE OPERATING. FAILURE TO DO SO MAY
RESULT IN SEVERE EQUIPMENT DAMAGE.

#18-0117
UNIVERSAL JOINT TELESCOPING ASSEMBLY
PRIOR TO 2013 MODEL YEAR



KEY	PART NUMBER	QTY	DESCRIPTION
	18-0117 1	1	Joint Assembly
1	18-0117-1-1	1	1 3/8-6 Spline Yoke ASGE
2	18-0117-1-2	2	Cross and Bearing Kit
3	18-0117-1-3	1	Inboard Yoke and Bar Welded Assy.
4	18-0117-2-1	1	Inboard Yoke, Tube and Sleeve Welded Assy.
6	18-0117-2-2	1	1 1/4" Bore, 1/4" Key Yoke
7	18-0117-1-4	1	Shield Cone 5-Rib
8	918-0208-2-4	2	Bearing Ring SC25
9	18-0117-1-6	1	Outer Shield Tube Oval
10	18-0117-2-3	1	Inner Shield Tube Round
11	918-0208-2-9	2	Screw-Included in Item #7
12	918-0208-2-7	1	Safety Chain
13	918-0208-2-8	1	Decal Outer-Included in Item #9
14	918-0208-1-10	1	Decal Inner-Included in Item #4
15	18-0117-1-1-1	1	ASGE Collar Kit-Included in Item #1
16	18-0117-1	1	Tractor Male Half Complete
17	18-0117-2	1	Implement Female Half Shaft Complete
18	18-0117-1-7	1	Shield Cone 4-Rib

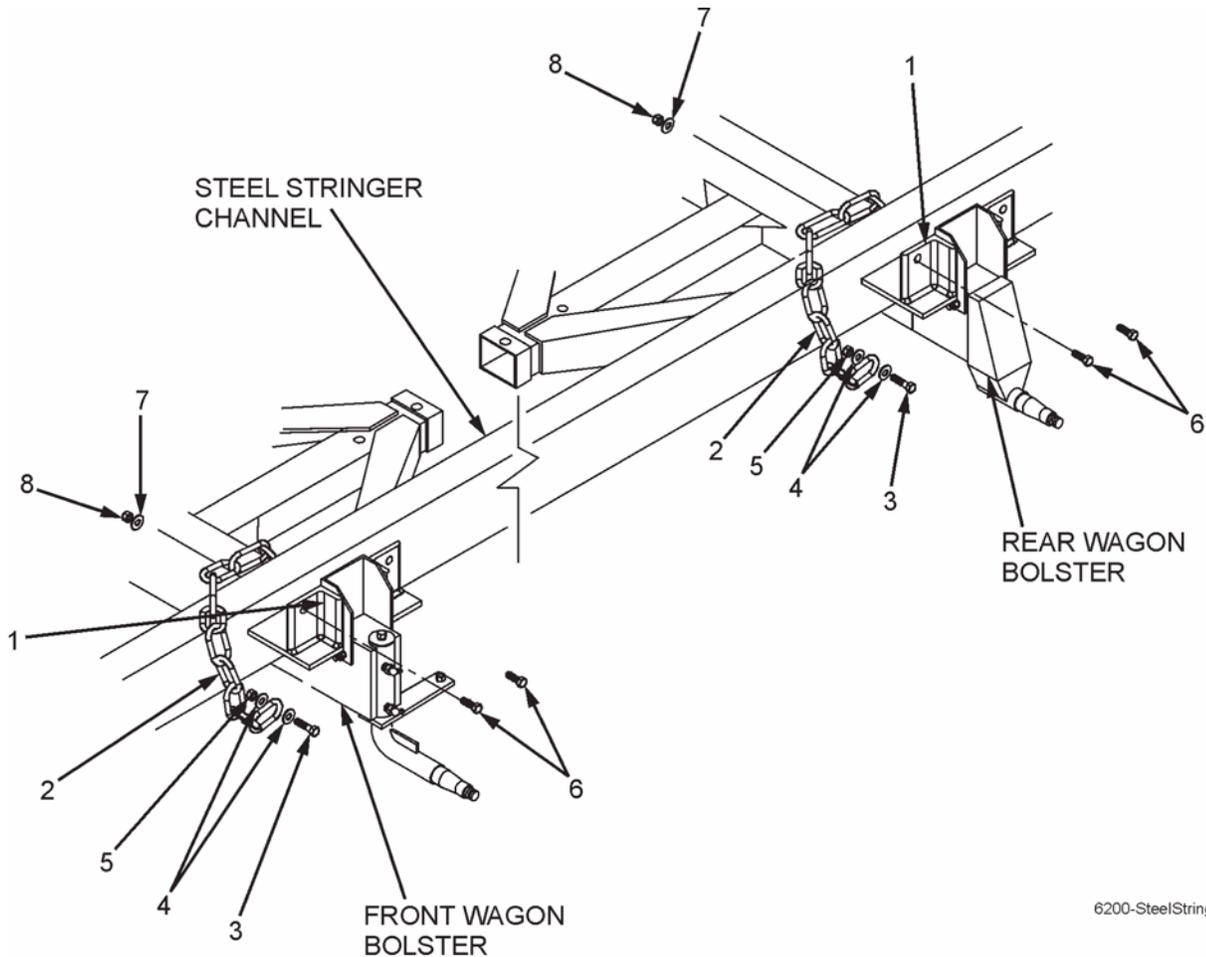
#18-0117
12R UNIVERSAL JOINT TELESCOPING ASSEMBLY W/GUARD
 2013 MODEL YEAR & LATER



3500-TSS-TelescopingAssembly.cdr

KEY	PART NUMBER	QTY	DESCRIPTION
	18-0017	1	Joint, 12R Universal PTO Assembly
1	18-0017-4	1	Joint & Tube Half W/Guard (Implement Half)
2	18-0017-9	2	12R Cross & Bearing Kit
3	18-0017-6	1	Yoke, Tube & Slip Sleeve
4	18-0017-10	2	Nylon Repair Kit
6	18-0017-12	1	Inner Guard W/Bearing & Retainer
7	18-0017-1	1	Joint & Shaft Half W/Guard (Tractor Half)
8	18-0017-11	1	Outer Guard W/Bearing & Retainer
9	18-0017-3	1	Yoke & Shaft
10	18-0017-7	1	Spring - Lock Yoke Assembly
11	18-0005-16	1	Spring - Lock Repair Kit
12	18-0017-13	1	Yoke, 1-1/4" Bore, 1/4" Kw, W/RP Hole

STEEL STRINGER TIE DOWN KIT



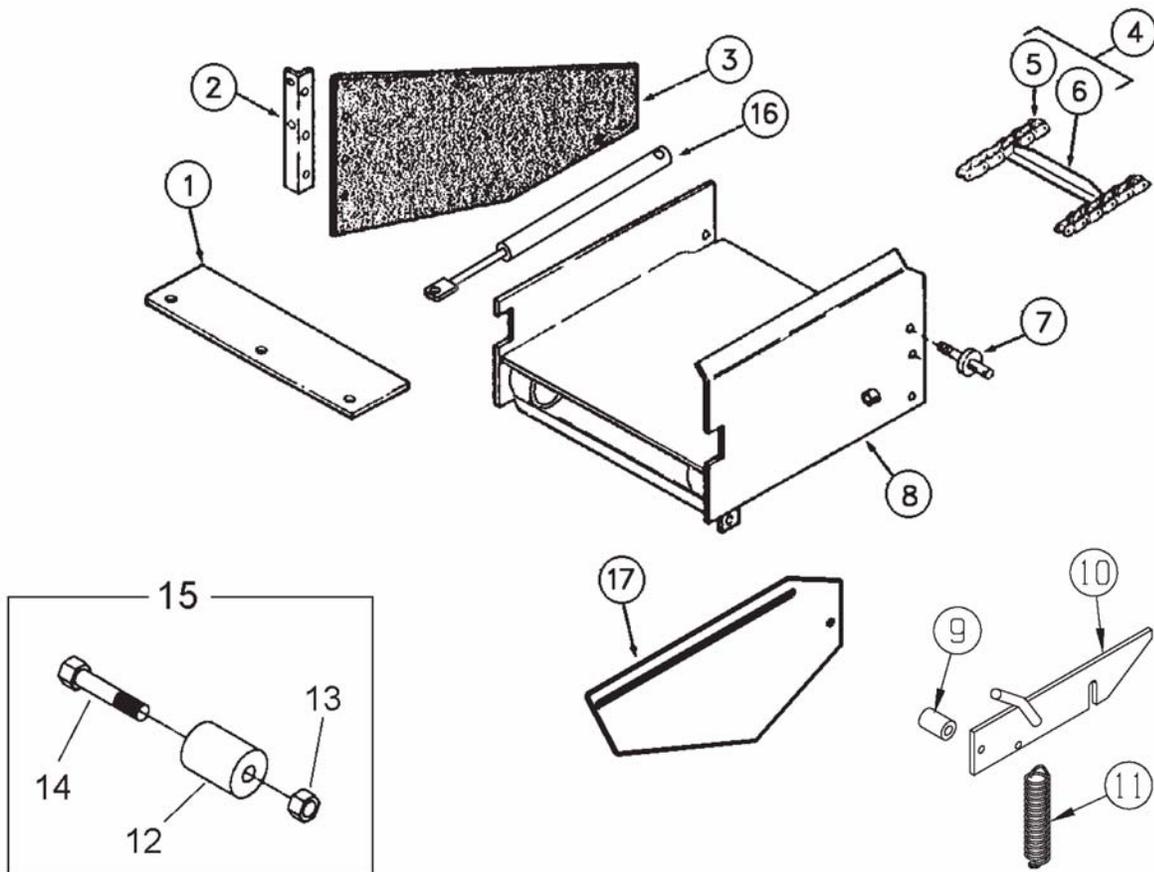
6200-SteelStringerTieDownKit.cdr

KEY	PART NUMBER	QTY	DESCRIPTION
	52-0003S	1	Tie Down Kit (Steel Stringers)
1	25-0084	4	Bracket
2	52-0003-1	4	51" Standard Tie Down Chain
	75-0341-4-HD	4	61" Heavy Duty Tie Down Chain for Riser Option
3	851-3816-1.5Z	4	Bolt, Hex Machine-3/8 x 1-1/2
4	805-0038-Z	8	3/8 Flat Washer
5	815-3816-Z	4	3/8 Lock Nut
6	851-5013-1.5-Z	8	1/2 x 1-1/2 Hex Machine Bolt
7	805-0050-Z	8	1/2 Flat Washers
8	815-5013-Z	8	1/2 Lock Nuts

#52-0001TK TSS 12" OPTIONAL EXTENSION KIT
(Regular LH Unloading)

#52-0021 OPTIONAL HYDRAULIC LIFT PKG
(Not Shown)

#52-0009K-FB CROSS CONVEYOR EXTENSION KIT



#52-0001TK TSS 12" OPTIONAL EXTENSION KIT
(Regular LH Unloading)

#52-0021 OPTIONAL HYDRAULIC LIFT PKG
(Not Shown)

#52-0009K-FB CROSS CONVEYOR EXTENSION KIT

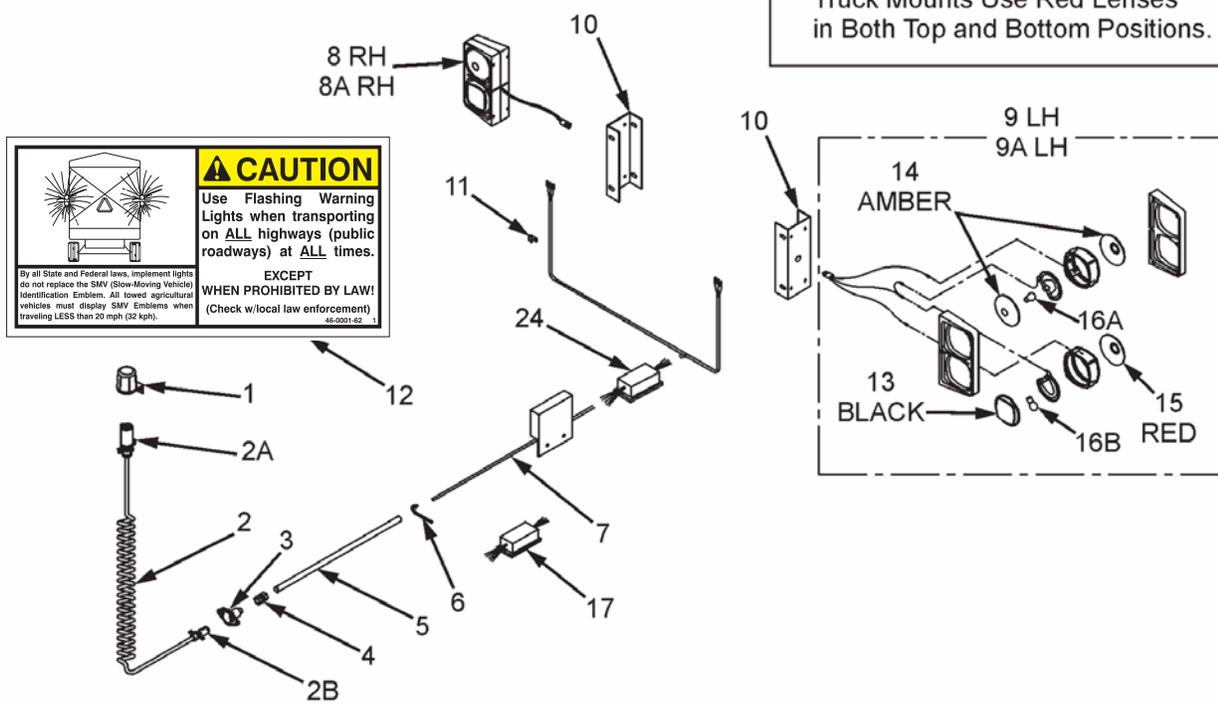
KEY	PART NUMBER	QTY	DESCRIPTION
0	52-0001-TK	1	TSS Optional Extension Kit 12"
	52-0009K-FB	1	TSS Optional Extension Kit 36" W/Hydraulic Lift Shaft
1	24-0068	1	Cross Apron Top Panel Shield
2	25-0075	1	Belting Shield Mount Angle
3	49-0004	1	Belting, Shield
4	11-0061-D	1	Extension Section Cross Apron Pintle Chain Assembly
	11-0060-D	1	Regular Length Cross Apron Pintle Chain Assembly Complete
	11-0122	1	36" Extension Section Cross Apron Pintle Chain Assembly
5	11-0006-1	24	Link, Pintle Chain Extension
6	11-0006-23	2	Chain Slat w/Attachments
7	51-0001	1	Handle Less Grip
	51-0004	1	Black Plastic Grip
8	45-0002	1	Frame Extension 12"
	45-0003-FB	1	Frame Extension 24" W/Hydraulic Lift Shaft
9	45-0002-7	1	Rod, Tubular Spacer
10	25-0076	1	Bracket, Handle Catch W/Grip
	51-0006	1	Black Plastic Grip
11	29-0005	1	Spring
12	23-0064	2	Chain Hold Down Shaft
13	814-5013-Z	2	1/2-13 Indented Locknut
14	851-5013-2.25Z	2	1/2-13 x 2-1/4" M.B.
15	44-0051	2	Extension Hold Down Shaft Assembly w/Bolt
16	955-3703	1	Gas Shock (2011 Model Year and Later)
17	39-0017-2	1	Deflector (2011 Model Year and Later)

#52-0021 HYDRAULIC LIFT EXTENSION PARTS (NOT ILLUSTRATED)

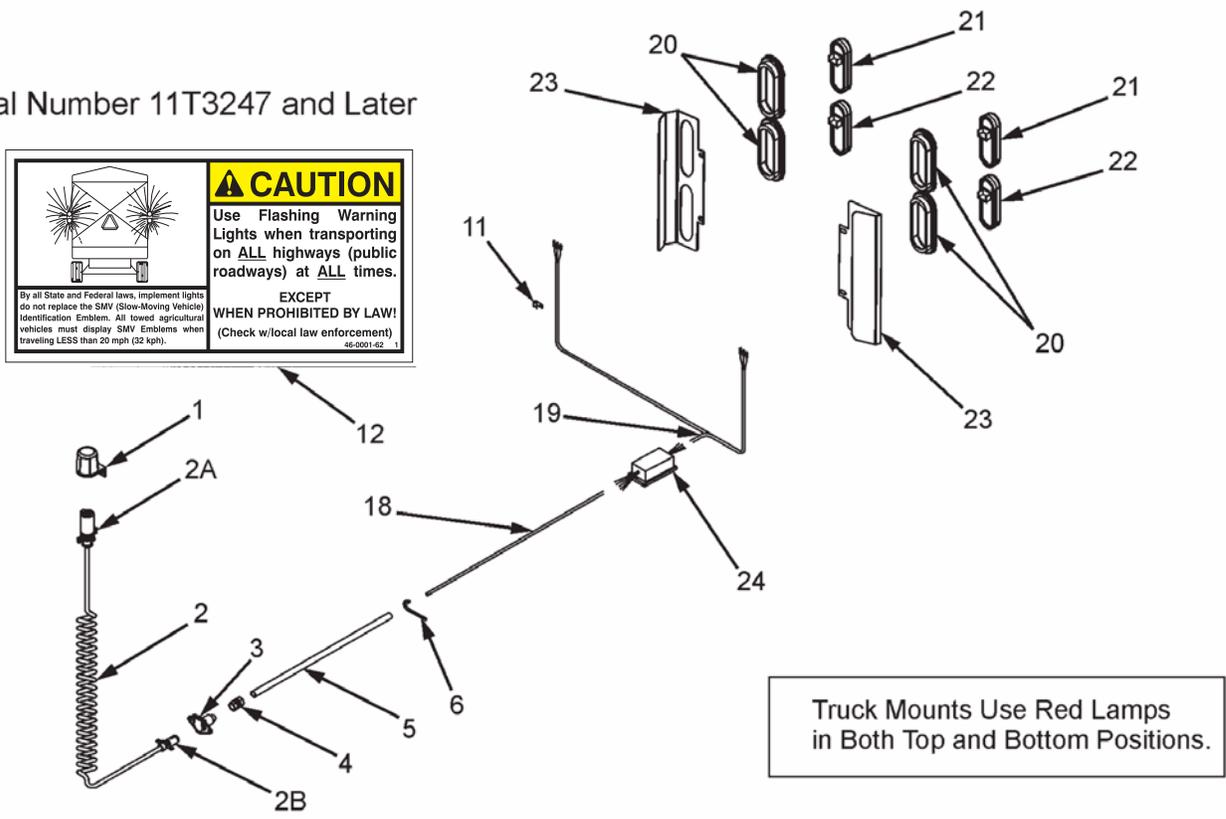
PART NUMBER	QTY	DESCRIPTION
55-0093	1	2 x 8" Hydraulic Cylinder
25-0235	1	Upper Cylinder Mount Plate
955-0002	2	3/8 x 27" hydraulic Hose
55-0054	1	3/8 x 21" Hydraulic Pipe
55-0067	1	3/8 x 14" Hydraulic Pipe
955-3605	2	3/8 x 90 Degree Elbow
955-3609	4	3/8" NPT Coupler
955-0003	2	3/8 x 90 Degree Street Elbow
933-3602	1	Hydraulic Pipe Bracket
25-0234	1	Hydraulic Pipe Mount Bracket
55-0052	2	3/8 x 24" Hydraulic Pipe
29-0029	1	Hydraulic Hose Tender Spring Kit W/Sleeve & Hardware
29-0029-1	1	3-Hole Clamp Assembly W/U-Bolt
55-0051	2	1/4 x 130" Hydraulic Hose

HIGHWAY LIGHT PACKAGE

Prior to Serial Number 11T3247



Serial Number 11T3247 and Later

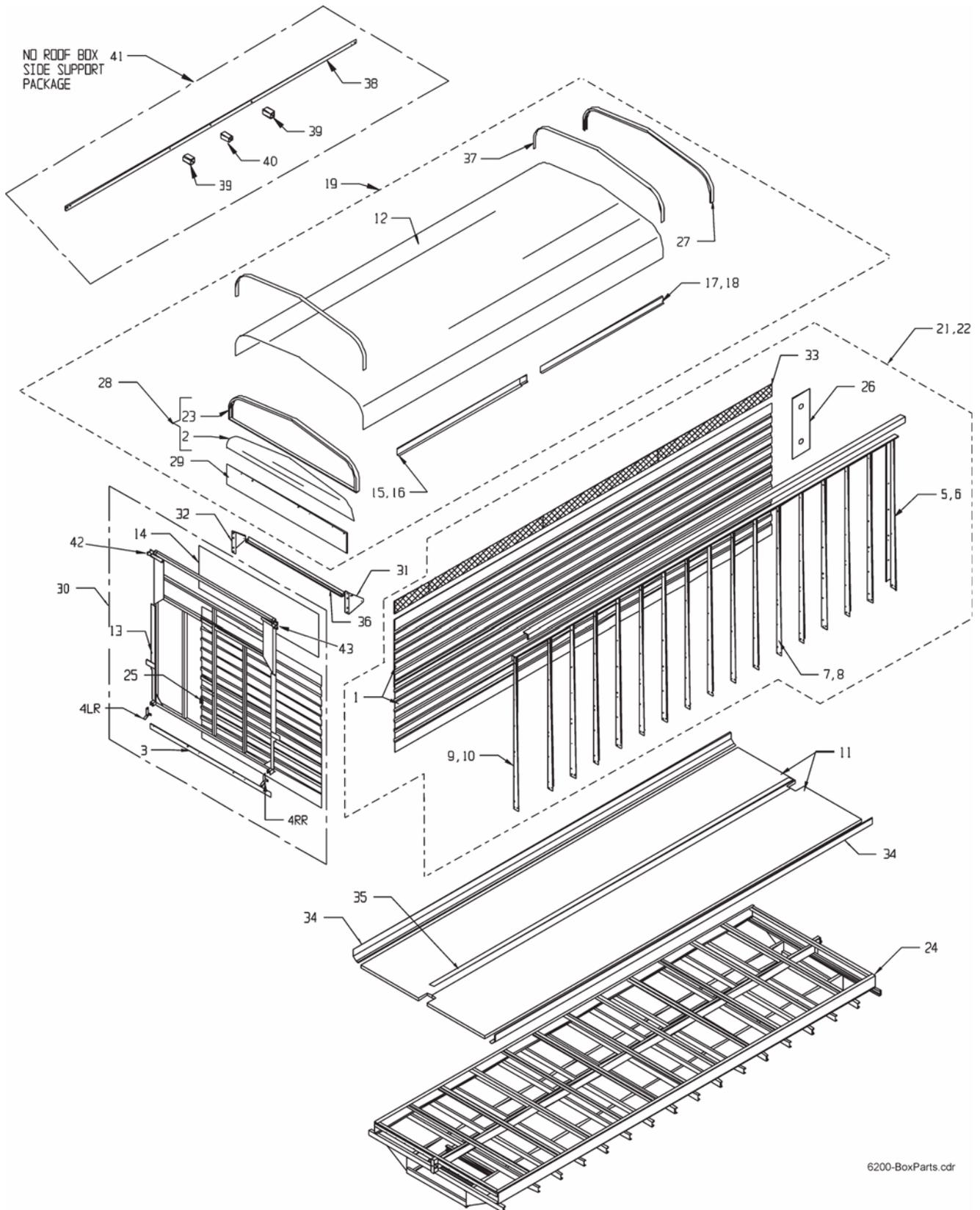


HIGHWAY LIGHT PACKAGE

KEY	PART NUMBER	QTY	DESCRIPTION
1	56-0009	1	7-Way "Stor-A-Way"
2	56-0005	1	Coil Cable Assembly
2A	56-0005-4	1	7-Contact Plug End with Spring
2B	56-0005-1	1	4 Pole Plug
3	56-0004	1	#1232 4-way Socket (4 pin)
4	56-0007	1	1/2" EMT Coupler #260-D
5	56-0006	1	Light Wire Tube Deburred, 1/2" Conduit 22" Long
6	32-0026	8	14" Nylon Tie Strap
7	52-0019-LED-PKG	1	Ag Light Harness w/Module LED Update
8	56-0031	1	Dual Light RH w/4-Plug
8A	56-0031-TR	1	Truck Mount Dual Light RH w/4-Prong
9	56-0030	1	Dual Light LH w/4-Plug
9A	56-0030-TR	1	Truck Mount Dual Light LH w/4-Prong
10	25-0255	2	Light Mount Bracket (Universal)
11	32-0024	4	3/8" Plated Loom Clamp
12	46-0001-62	1	Caution Tail Light Decal
13	56-0001-3	2	Bezel Blank, Black (Fit Inside Housing) (Prior to SN 09T3220)
	56-0030-3	2	Bezel Blank, Black (Fit Over Housing) (SN 09T3220 & Later)
14	56-0001-1	4	Amber Lens (Fit Inside Housing) (Prior to SN 09T3220)
	56-0030-1	4	Amber Lens (Fit Over Housing) (SN 09T3220 & Later)
15	56-0001-2	2	Red Lens (Fit Inside Housing) (Prior to SN 09T3220)
	56-0030-2	2	Red Lens (Fit Over Housing) (SN 09T3220 & Later)
16A	56-0001-5	1	#1156 Single Filament Bulb
16B	56-0001-4	1	#1157 Dual Filament Bulb
17	56-0028	1	Tail Light Converter (Truck Mount Only)
18	56-0037	A/R	4 Conductor Trailer Cable
19	56-0083	1	LED Light Y-Harness Less Module Plugs
20	56-0065	4	6" Oval Grommet
21	56-0081	2	6" Oval Amber LED Light
22	56-0080	2/4	6" Oval Red LED Light
23	25-0259	2	LED Light Bracket
	25-0259-TRL	1	Truck Mount Left Hand LED Light Mount Bracket
	25-0259-TRR	1	Truck Mount Right Hand LED Light Mount Bracket
24	56-0032-1	1	Ag Module w/Connectors (Use w/Incandescent Light Harness)
	56-0084	1	LED Ag Module w/Connectors (Use w/LED Light Harness)

6200 SERIES BOX PARTS

1 of 2



6200-BoxParts.cdr

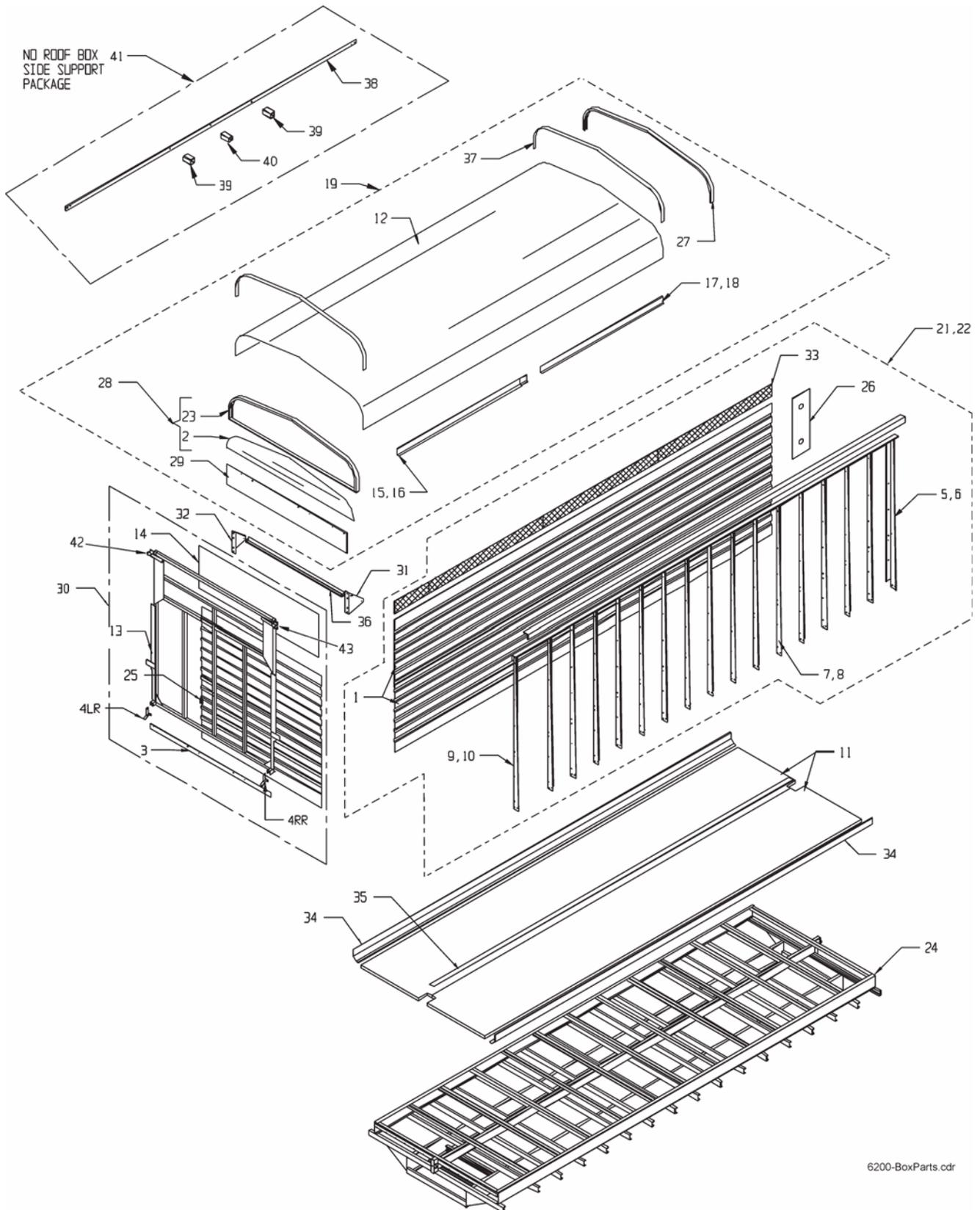
6200 SERIES BOX PARTS

1 of 2

KEY	PART NUMBER	DESCRIPTION
1	7611I-40.75-20	20' Side Panel
	7611I-40.75-22	22' Side Panel
	7611I-40.75-24	24' Side Panel
2	100-9990-37-3	Rear Roof Panel Painted, 13 x 86"
3	49-0022	Bottom Back Gate Belting
4RR	100-9992-1-7	Right Rear Back Gate Latch Catch
4LR	100-9992-1-8	Left Rear Back Gate Latch Catch
5	100-9990-8-2-12	Front Right/2-Way Left Rear Upright 10GA x 94-1/2" (Illustrated)
6	100-9990-8-1-12	Front Left/2-Way Right Rear Upright 10GA x 94-1/2" (Not Illustrated)
7	100-9990-8-6-12	Center Right Upright 10GA x 94-1/2" (Illustrated)
8	100-9990-8-5-12	Center Left Upright 10GA x 94-1/2" (Not Illustrated)
9	100-9990-8-1-12	Front Left/2-Way Right Rear Upright 10GA x 94-1/2" (Illustrated)
10	100-9990-8-2-12	Front Right/2-Way Left Rear Upright 10GA x 94-1/2" (Not Illustrated)
11	709-48-254.5	Floor Panel 20' (Superslick) (2-Required)
	709-48-275.5	Floor Panel 22' (Superslick) (2-Required)
	709-48-302.5	Floor Panel 24' (Superslick) (2-Required)
	802T-3118-1.25SS	5/16-18 x 1-1/4" Truss Head Stainless Machine Screw
	802T-3118-3SS	5/16-18 x 3" Truss Head Stainless Machine Screw
	814-3118-Z	5/16-18 Indented Locknut
12	100-9990-51-1	Roof Panel Painted 21'-3" (6220)
	100-9990-54-1	Roof Panel Painted 23'-3" (6222)
13	100-7040	2-Way Back Gate-Frame Only-Welded Assembly
14	100-9990-34-6	Filler Panel, Back Door
15	100-9990-70	R. Rear Roof Angle (Illustrated) (6220/6222)
16	100-9990-69	L. Rear Roof Angle (Not Illustrated) (6220/6222)
17	100-9990-61	R. Front Roof Angle (Illustrated) (6220)
	100-9990-49-2	R. Front Roof Angle (Illustrated) (6222)
18	100-9990-60	L. Front Roof Angle (Not Illustrated) (6220)
	100-9990-49-1	L. Front Roof Angle (Not Illustrated) (6222)
19	100-9990-51	6220, Roof Assembly Complete
	100-9990-49	6222, Roof Assembly Complete
20	100-9990-14-3	Roof Guard Strap - Rear
21	100-7022	Right Side Complete 6220 (Illustrated)
	100-7022-TR	Right Side Complete 6220 (Illustrated) (No Roof)
	100-7012	Right Side Frame Only 6220 (Illustrated)
	100-7012-TR	Right Side Frame Only 6220 (Illustrated) (No Roof)
	100-7020	Right Side Complete 6222 (Illustrated)
	100-7020-TR	Right Side Complete 6222 (Illustrated) (No Roof)
	100-7010	Right Side Frame Only 6222 (Illustrated)
	100-7010-TR	Right Side Frame Only 6222 (Illustrated) (No Roof)
	100-7024-TR	Right Side Complete 6224 (Illustrated) (No Roof)
	100-7014-TR	Right Side Frame Only 6224 (Illustrated) (No Roof)

6200 SERIES BOX PARTS

2 of 2



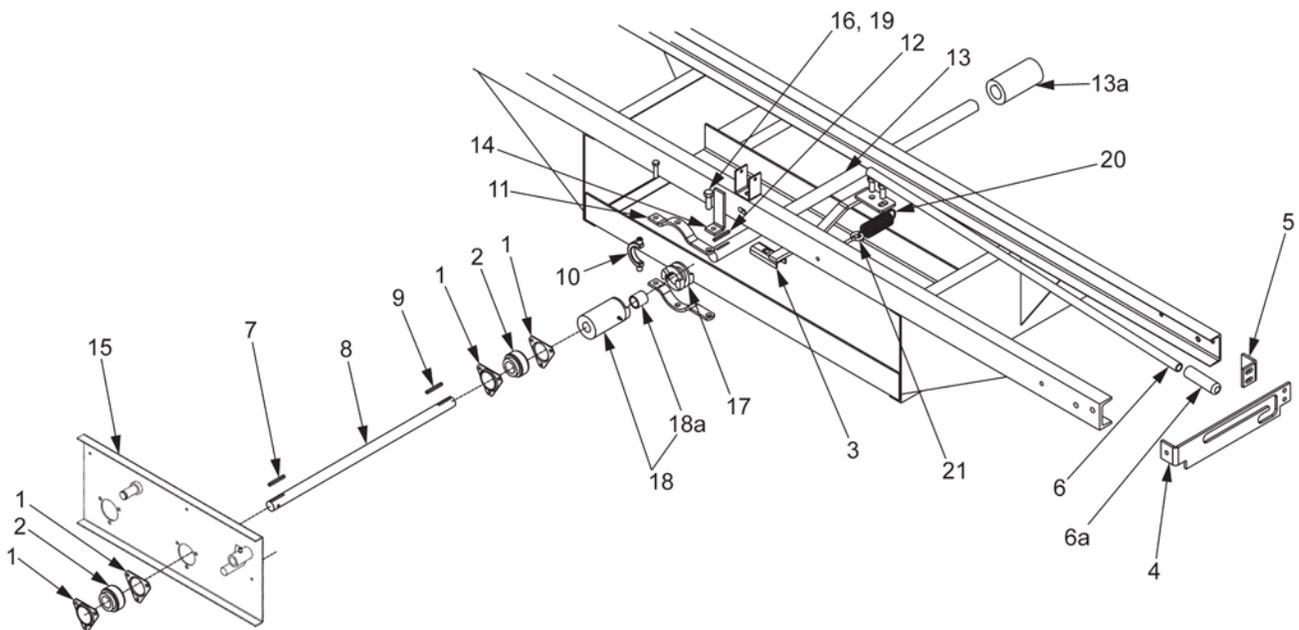
6200-BoxParts.cdr

6200 SERIES BOX PARTS

2 of 2

KEY	PART NUMBER	DESCRIPTION
22	100-7023	Left Side Complete 6220 (Not Illustrated)
	100-7023-TR	Left Side Complete 6220 (Not Illustrated)(No Roof)
	100-7013	Left Side Frame Only 6220 (Not Illustrated)
	100-7013-TR	Left Side Frame Only 6220 (Not Illustrated)(No Roof)
	100-7021	Left Side Complete 6222 (Not Illustrated)
	100-7021-TR	Left Side Complete 6222 (Not Illustrated)(No Roof)
	100-7011	Left Side Frame Only 6222 (Not Illustrated)
	100-7011-TR	Left Side Frame Only 6222 (Not Illustrated)(No Roof)
	100-7025-TR	Left Side Complete 6224 (Not Illustrated)(No Roof)
	100-7015-TR	Left Side Frame Only 6224 (Not Illustrated)(No Roof)
23	100-9990-37-1	Rear Roof Bow & Angle Welded Assy.-Black
24	100-7001	Bottom Frame Complete 20' (10" Stringers)
	100-7001-TRUCK	Bottom Frame Complete 20' (6" Stringers)
	100-7000	Bottom Frame Complete 22' (10" Stringers)
	100-7000-TRUCK	Bottom Frame Complete 22' (6" Stringers)
	100-7002-TRUCK	Bottom Frame Complete 24' (6" Stringers)
25	33-1002	SMV Sign Bracket Only
26	100-9990-200-1-1	Auger Bracket Less Tightener
27	100-9990-15-1	TSS Roof Bow
28	100-9990-37	Rear Roof Bow Assy. Complete
29	49-0019	Top Back Gate Belting
30	100-7030	6200 Back Gate Assy. Complete W/Latches
31	100-9990-115	Right Rear Gate Pivot Support Gusset
32	100-9990-116	Left Rear Gate Pivot Support Gusset
33	100-9990-8-15	Side Screen 7-1/2 x 82" Painted
	100-9990-8-16	Side Screen 7-1/2 x 24" Painted
	100-9990-8-17	Side Screen 7-1/2 x 80" Painted
	100-9990-8-18	Side Screen 7-1/2 x 48" Painted
34	25-6005-1	Floor Cap 72"
	25-8022-1	Floor Cap 96"
	25-6005-2	Floor Cap 48"
	25-6006-1	Floor Cap Splice Piece
	25-8023-1	Floor End Cap
35	100-7000-24	240" Center Superslick Channel-(Common on all lengths)
	100-7002-2	6224 Center Superslick Channel 55-3/4"
	100-7000-25	6222 Center Superslick Channel 31-3/4"
	100-7001-5	6220 Center Superslick Channel 7-3/4"
36	100-9990-87	No Roof Angle
37	100-9990-14-4	Front Roof Protector
38	100-9990-8-11	16' & 18' BOX, SIDE SUPPORT STRAP 171"
	100-9990-52-2	20' & 22' BOX, SIDE SUPPORT STRAP 219"
39	100-9990-52-4	SIDE SUPPORT END TUBE
40	100-9990-52-3	SIDE SUPPORT CENTER TUBE
41	TSS-SS-16-PKG	16' & 18' SIDE SUPPORT PACKAGE
	TSS-SS-20-PKG	20' & 22' SIDE SUPPORT PACKAGE
42	100-9990-25-15	RH BACKGATE HINGE BRACKET WELDMENT W/PIVOT SHAFT STOP WASHER (SHIP LOOSE)
43	100-9990-25-16	LH BACKGATE HINGE BRACKET WELDMENT W/PIVOT SHAFT STOP WASHER (SHIP LOOSE)

PTO REAR UNLOAD TRUCK MOUNT

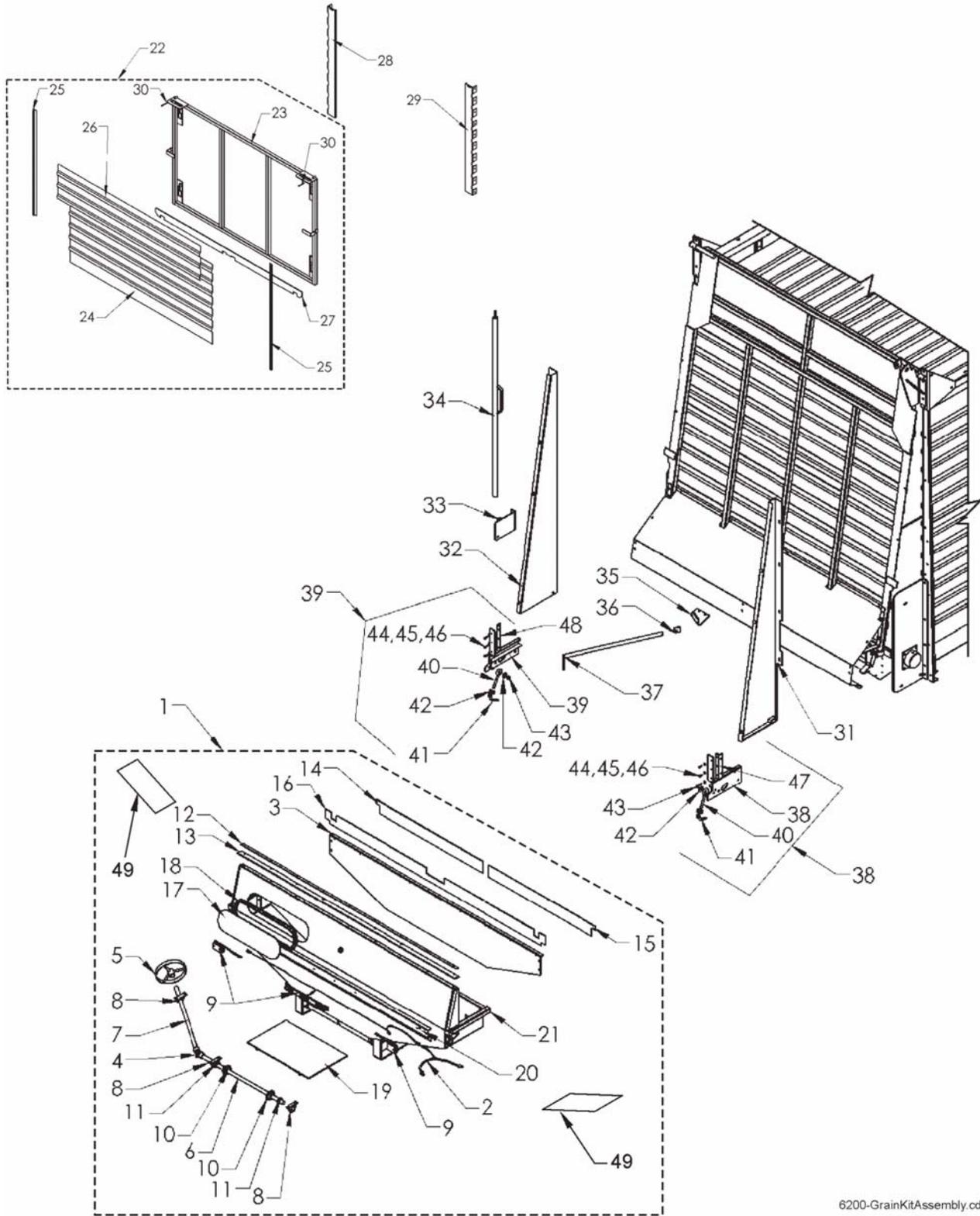


PTO REAR UNLOAD TRUCK MOUNT

KEY	PART NUMBER	QTY	DESCRIPTION
1	14-0002-2		Flange, 3-hole, 1-1/4"
2	14-0002-3		Bearing, 1-1/4" w/collar
3	25-0134		Linkage Arm Welded Assy.
4	25-0135-1		Side Shift Plate
5	25-0135-3		Side Shift Plate
6	25-0136		Pipe Handle w/grip
6a	51-0004		Rubber Grip Only
7	35-0021		1/4 x 1/4 x 1-3/4" Key
8	23-0082		Unit Center Shaft
9	35-0016		1/4 x 1/4 x 2-1/4" Key
10	21-0001		Brass Shifter Collar w/zerk
11	17-0001		Clutch Shifter Yoke
12	35-0023		1/4 x 2" Key w/rounded Ends
13	23-0104		6220/6224 Drive Shaft 1-1/4 x 214"
	23-0105		6222 Drive Shaft 1-1/4 x 238"
	23-0106		6224 Main Drive Shaft Extension 47-7/8"
13a	37-0007		1-1/4" Bore Shaft Coupler (6224 Only)
14	100-7000-40		Yoke Pivot Bracket
15	25-0267		Clutch Plate Weldment
16	815-3816-Z		3/8-16 Nylon Insert Locknut
17	15-0003		Jaw Clutch 1-1/4" Bore w/1/4" Keyway
18	15-0005		PTO Rear Clutch Coupler
18a	13-0014		Bronze Bushing 1-1/4 ID x 1-1/2 OD x 1-1/2" Long
19	851-3816-1.5Z		3/8-16 x 1-1/2" Gr. 5 Machine Bolt
20	929-0003		Spring
21	933-3804		5/16-18 x 4" Eyebolt

GRAIN KIT ASSEMBLY

Optional Front Gate Assembly



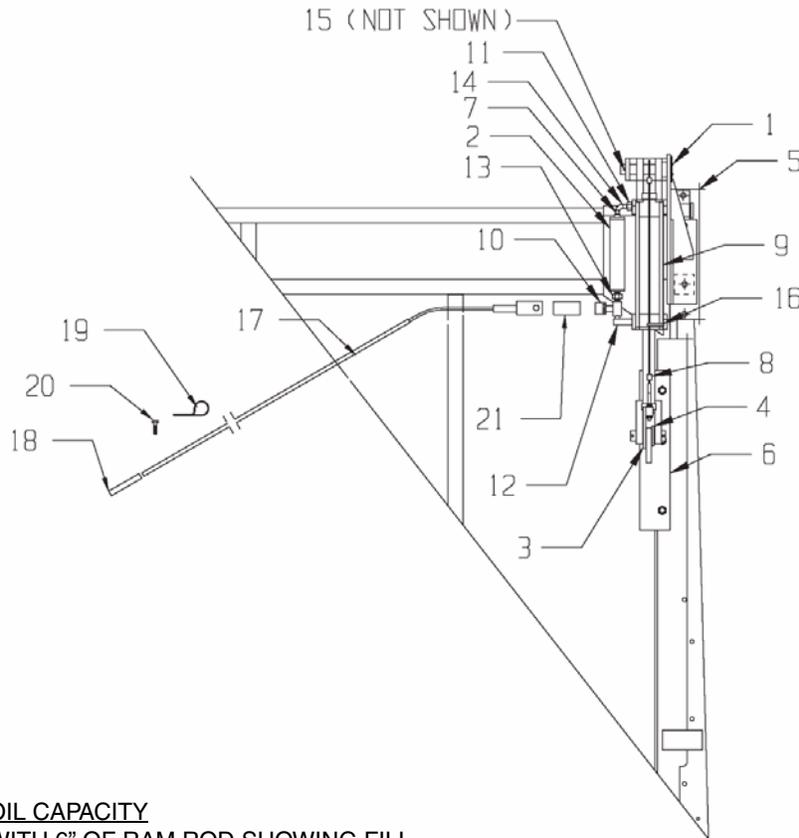
6200-GrainKitAssembly.cdr

GRAIN KIT ASSEMBLY

KEY	PART NUMBER	QTY	DESCRIPTION
1	25-6053	1	6200 Grain Kit Body Assy. (INC 1-21)
2	56-0051	1	Harness Jumper
3	25-6063-1-1	1	6200 Grain Kit Divider
4	15-0006	1	Universal Joint Assy.
5	25-8062	1	Door Handle Assy.
6	23-0099	1	32" Grain Kit Gate Shaft
7	23-0102	1	24" Grain Kit Gate Shaft
8	124	3	1" Pillow Block Bearing
9	56-0050	1	Grain Kit Harness & Lamp Kit
	56-0050-LED	1	LED Grain Kit Harness & Lamp Kit
	56-0050-1	1	Center Lamp Bar Only
	56-0050-1-LED	1	LED Center Lamp Bar Only
	56-0050-2	1	Left Rear Lamp Only
	56-0050-2-LED	2	LED Left/Right Rear Lamp Only
	56-0050-3	1	Harness Only
	56-0050-3-LED	1	LED Harness Only
10	10-0001	2	50B13 1" Bore Sprocket
11	323	2	1" ID Lock Collar 2
12	25-6053-2-1	1	Top Belting Strip
13	49-0043	1	Rear Seal-Gate to Hopper Seal
14	49-0045	1	Left Hand Front Belting Seal
15	49-0049	1	Right Hand Front Belting Seal
16	49-0046	1	Divider Belting
17	49-0097	1	Plexiglass Window
18	33-0049	1	Plexiglass Window Seal Weather Strip
19	25-8061	1	Gate Weldment
20	25-6053-11	1	Grain Kit Light Mount Bracket
21	25-6053-1	1	Grain Kit Welded Assy. Main Body Only
22	25-6050	1	False Front Gate Assy. Complete
23	25-6050-1	1	False Front Gate Welded Frame Only
24	76111-40.75-84	1	Lower Gate Panel
25	25-6050-4	2	Front Gate Panel End Caps
26	25-6050-2	1	Upper Gate Panel 17-1/2" Wide
27	25-6050-3	1	Lower Gate Belting Strip
28	25-6051-1	1	Left False Front Gate Mount Bracket
29	25-6052-1	1	Right False Front Gate Mount Bracket
30	32-0029	2	1/4 x 2-3/4" Snap Style Ring
31	25-6056	1	Grain Kit Right Side Gusset
32	25-6057	1	Grain Kit Left Side Gusset
33	25-6061	1	Door Stop Mount Bracket for Pipe
34	25-6059	1	Grain Kit Door Stop Pipe (Installation Use Only)
35	25-6060-1	1	Flow Control Bracket
36	25-6062-1-1	1	Flow Control Pipe Coupler
37	25-6058-1	1	Flow Control Extension Pipe
38	25-6055-2	1	Grain Kit Right Receiver Mount Brk. Assy. Complete
39	25-6054-4	1	Grain Kit Left Receiver Mount Brk. Assy. Complete
38A	25-6055	1	Right Mount Plate Welded Assy. Only
39A	25-6054	1	Left Mount Plate Welded Assy. Only
40	811-5013-4Z	1	1/2-13 x 4" Eyebolt
41	33-0028	1	1/2-13 Handle Nut
42	805-0050-Z	8	1/2" Flat Washer Zinc
43	814-5013-Z	2	1/2-13 Center Locknut
44	805-0025-Z	6	1/4" Flat Washer Zinc
45	851-2520-.75Z	6	1/4-20 x 3/4" Machine Bolt
46	810-2520-Z	3	1/4-20 Spin Locknut
47	49-0048	1	Right Hand Receiver Mount Belt Seal
48	49-0044	1	Left Hand Receiver Mount Belt Seal
49	49-0127	2	Poly Floor Piece

GATE DELAY 6200 Box

Prior to serial # 10T3211



OIL CAPACITY
WITH 6" OF RAM ROD SHOWING FILL
TANK TO TOP WITH LITE HYDRAULIC OIL.

GATE DELAY INSTRUCTIONS & ADJUSTMENTS

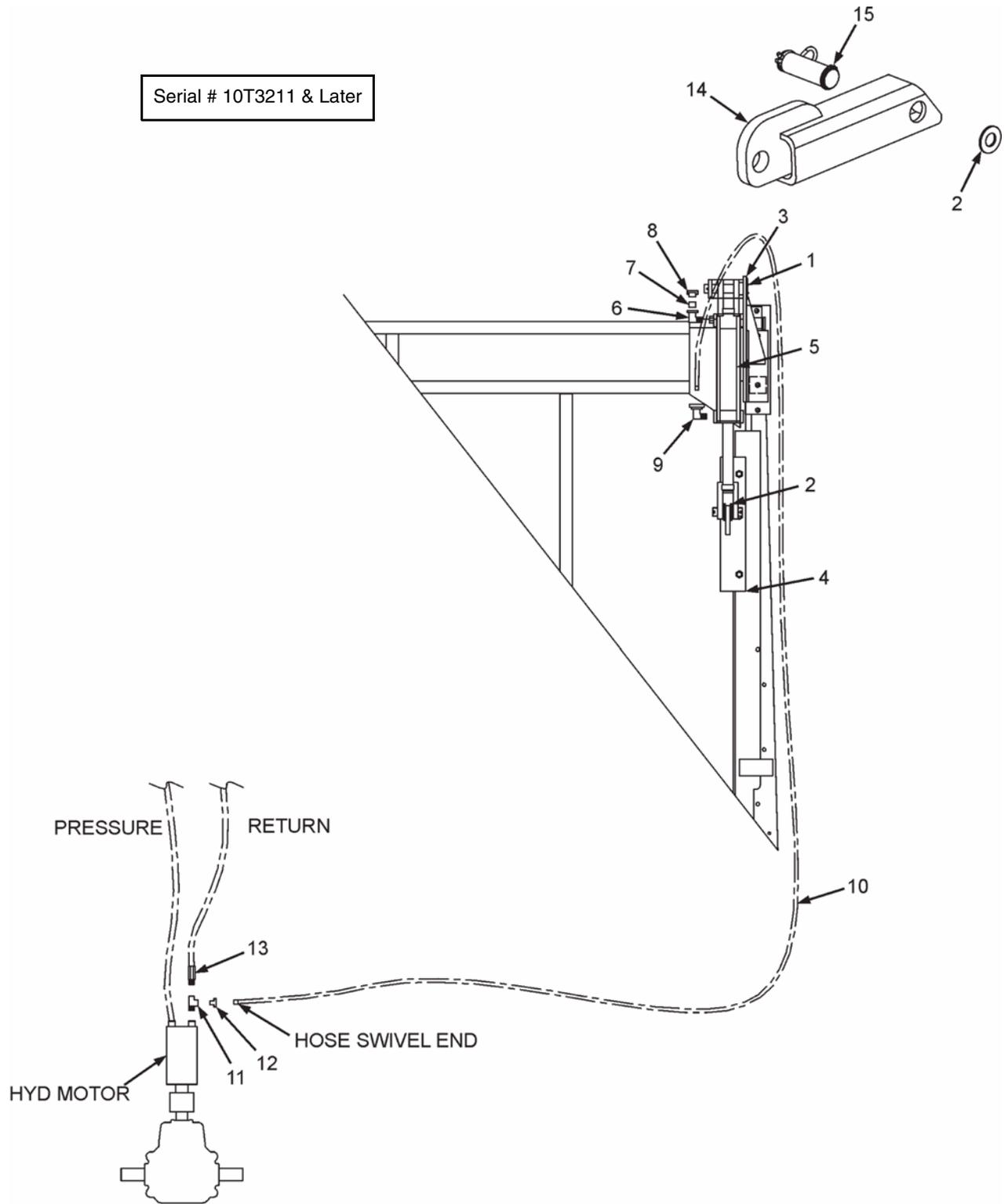
The purpose of the gate delay system is to hold the rear swinging gate in the open position until the apron has cleaned all of the forage out of the box. By adjusting the flow control, the speed in which the gate closes can be regulated. When the flow control is properly adjusted the gate will slowly close as the remainder of the forage is being unloaded. Once the box is completely unloaded the gate delay will reach a trip position with the trip arm moving the lower cylinder shaft out of the horizontal slot and allow the gate to trip closed and latch. For proper operation, adjust as follows. When the gate is completely closed (tight to rear upright) the cable and eyebolt assembly should be adjusted so the cable has no slack. Cable should be tight but not over tightened. If cable and eyebolt is over tightened, the lower cylinder will trip out of the L-shaped slot on the lower bracket prematurely and the gate will try to close before the cylinder is fully extended. If the cable and eyebolt is too loose, the lower cylinder will not trip out of the L-shaped slot and the cylinder will reach its maximum stroke and the trip arm will still not be in the tripped position allowing the gate to close. The gate will be held open by the top cylinder bracket and the bracket may become damaged over time. The eyebolt and cable will need to be adjusted periodically to maintain proper operation.

GATE DELAY 6200 Box

KEY	PART NUMBER	DESCRIPTION
	4200-GATE	Rear Gate Delay Kit
	6200-GDS-GC	Ground Control Kit
1	25-8092-1	Gate Regulator Top Shaft
2	25-8095	Oil Reservoir Assembly
3	25-8096	Gate Release Trip Arm Assembly
4	25-8097-1	Lower Sleeve Spacer
5	25-8099	Top Cylinder Bracket
6	25-8100	Lower Mount Plate Welded Assembly
7	30-0015	1/4" Fitting x 90 Degree Elbow
8	25-8098	Cable Eyebolt Assembly
9	55-0093	Hydraulic Cylinder
10	55-0094	Flow Control
11	55-0095	1/8" to 3/8" NPT Reducer
12	55-0096	3/8" NPTF x 90 Degree Male Pipe Elbow
13	55-0097	3/8" to 3/8" Nipple
14	735-.25CT	1/4" Copper Tubing (.25 Ft. Req)
15	823-19-2	3/16" x 2" Cotter Pin
16	952-0001-7	Nylon Tie Strap
17	25-8101	Ground Control Rod Assy. W/Grip
18	51-0007	Handle Grip
19	933-3804	5/16" x 4" Eyebolt
20	825-25-1Z	1/4" x 1" Self Tapping Screw
21	25-8102-2	Drag Sleeve (Hose)

RETURN LINE GATE DELAY

Serial # 10T3211 & Later



6200-ReturnLineGateDelay.cdr

RETURN LINE GATE DELAY

KEY	PART NUMBER	DESCRIPTION
	6200-GDS-RL	Return Line Gate Delay Closing Option
	6200-GDS-RL-KIT	Update Package to Switch from Ground Control Rod to Return Line
1	25-8092-1	Gate Regulator Top Shaft
2	25-8097-1	Lower Sleeve Spacer
3	25-8099	Top Cylinder Bracket
4	25-8112	Lower Mount Plate Welded Assembly
5	55-0093	Hydraulic Cylinder
6	55-0195	3/8" Male x 1/4" Female Street Elbow
7	55-0108	1/4" x 1/8" Male to Female Bushing
8	55-0107	1/8" NPT Vent
9	55-0196	3/8M x 1/4" Swivel Female x 90 Degree Elbow
10	55-0202	1/4" x 228" Hose
11	55-0201	3/4" Tee Fitting
12	55-0174	3/4" x 1/4" Bushing
13	55-0007-B-RF-GDRL	Reverse Flow Check Valve w/Back Pressure Spring
14	25-8111	Top Pivot Weldment (Truck Mount Models Only)
15	955-3802-10	Cylinder Pivot Pins W/Clips
NS	32-0033	1/2" Loom Clamp Vinyl Coated
NS	810-2520-Z	1/4"-20 Spin Locknuts
NS	851-2520-.75Z	1/4"-20 x 3/4" M.B. Zinc

MEYER FRONT & REAR FORAGE BOXES TROUBLESHOOTING

	SYMPTOM	PROBLEM	SOLUTION
AUGERS	Augers shake or chatter.	Stiff roller chains - dry.	Lubricate roller chains.
		Loose roller chains.	Tighten roller chains.
		Worn sprockets/chains.	Replace sprockets/chains.
		Bad roller bearings.	Replace roller bearings.
	Under load, augers do not start in 1st or 2nd notch.	Variable speed not adjusted.	Adjust variable speed.
BELT DRIVE "VARIABLE SPEED"	Belt slippage.	Sheaves greasy or wet.	Clean sheaves.
		Use of "HI" Range w/full load.	Use "LO" Range w/full loads.
	Belt wear/breakage.	Variable speed not adjusted.	Adjust variable speed.
		PTO starting w/belt engaged.	Start PTO w/belt in "Neutral."
	Sheave pin breakage.	Incorrect operating procedures.	Follow <u>correct</u> operating procedures.
PTO starting w/belt engaged.		Start PTO w/belt in "Neutral."	
CROSS APRON	Material build-up under chain.	Loose cross apron.	Tighten cross apron.
	Bent apron slats.	Dirty cross apron, too much carry back.	Clean apron and return area.
	Broken pintle chain.	Build-up in clean-out panel.	Clear out "Clean-Out" panel.
GEAR BOXES	Clunking sounds.	Gears/bearings wearing-low oil.	Replace gears/bearings-fill with oil.
	Excessive gear wear.	Full load "HI" Range unloading.	Start full loads in "LO" Range.
		Wrong gear lube oil.	See Lubrication Section for Proper Oil.
	Broken gears.	High speed start-up/no oil.	Slow start-up/fill with oil.
		Worn out gears.	Replace gears.
"HI-LO" RANGE	Hard to shift lever.	Unit not running.	Run unit with variable speed lever engaged.
	"HI-LO" is not engaging.	Worn brass shifting collar.	Replace brass shifting collar.
	Slipping out of range.	Excessive clutch wear.	Adjust range control linkage.
			Flip over or replace clutches.
MAIN APRON	Jumping links.	Loose main apron.	Tighten main apron.
	Bent apron slats.	Worn/broken chain.	Clean/tighten/replace apron.
	Broken pintle chain.	Front unit sagging.	Lift unit and replace front cross channel.
PTO SHAFT	Whips/shakes.	Over extended or bent PTO.	Shorten wagon gear hitch length. Straighten/replace PTO.
	Vibrates up and down.	Forage box center shaft bent.	Replace center shaft.
	Worn universal joints.	Lack of lubrication/used.	Lubricate joints daily/replace.
ROLLER CHAINS AND SPROCKETS	Excessive chain wear.	Lack of lubrication.	Lubricate/align/tighten.
		Out of alignment/loose.	
	Roller chain breakage.	Loose roller chain.	Tighten roller chains.
		Worn sprockets.	Replace sprockets.
	Sprocket teeth tipped over.	Worn roller chain.	Replace roller chain.
Bad roller bearings.		Replace bearings.	
SAFETY CLUTCH	Does not trip.	Bad or damaged clutch.	Replace safety clutch.
		Safety cable disconnected.	Re-fasten safety cable.
		Safety cable broken.	Replace safety cable.

MEYER FRONT & REAR FORAGE BOXES SPECIFICATIONS

MODEL	6220	6222	6224
Floor Length	20'-6"	22'-6"	24'-6"
Overall Length	24'-2"	26'-2"	28'-2"
Weight			
Main Apron	667X Standard		
Overall Width	All Models 107"		
Inside Width	All Models 87"		
Overall Height	All Models 126" w/Roof All Models 105" (+ 12" for gate pivot) w/o Roof		
Inside Height	All Models 106" w/Roof		
Speed Selection Front Unload	All Models- Low Range: 0 - 9.45'/minute - High Range 0 - 17'/minute		
Speed Selection Rear Unload	(PTO Drive) All Models-Approximately 30 Second Unloading Time		
Auger Feathering System	All Models-Standard Equipment		
Power Source	540 PTO and Hydraulic		
Cross Feed Delivery	Either Left or Right Hand Discharge		
Unloading Auger	3 Large 18" Diameter Augers and 1 - 11 1/2" Diameter Auger		
Cross Conveyor Chain	D662 Pintle Chain		
Cross Conveyor Width	All Models-21"		
Box Tie Down Kit	All Models-Standard Equipment		
Cross Conveyor Outfeed	24" Fold-up Standard		
Safety Clutch	All Models Standard Equipment		

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

See the "Forage Truck Mount Specifications and Mounting Instructions" for additional information. These instructions may also be found at www.meyermfg.com/specifications.php.



Meyer Manufacturing Corporation

574 West Center Avenue
Dorchester, WI 54425
Phone: 1-800-325-9103
Fax: 715-654-5513
Email: sales@meyermfg.com
Website: www.meyermfg.com



Meyer Manufacturing Corporation

574 West Center Avenue
Dorchester, WI 54425
Phone: 1-800-325-9103
Fax: 715-654-5513
Email: sales@meyermfg.com
Website: www.meyermfg.com