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Service & Mechanical Parts CONVEY44 with Cake Breaker



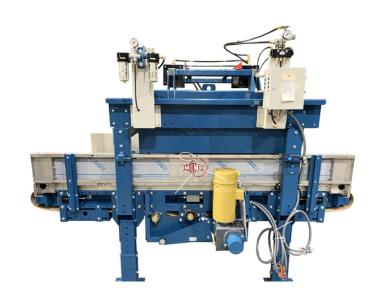


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PELLERIN MILNOR CORPORATION LIMITED STANDARD WARRANTY

We warrant to the original purchaser that MILNOR machines including electronic hardware/software (hereafter referred to as "equipment"), will be free from defects in material and workmanship for a period of one year from the date of shipment (unless the time period is specifically extended for certain parts pursuant to a specific MILNOR published extended warranty) from our factory with no operating hour limitation. This warranty is contingent upon the equipment being installed, operated and serviced as specified in the operating manual supplied with the equipment, and operated under normal conditions by competent operators.

Providing we receive written notification of a warranted defect within 30 days of its discovery, we will—at our option—repair or replace the defective part or parts, EX Factory (labor and freight specifically NOT included). We retain the right to require inspection of the parts claimed defective in our factory prior to repairing or replacing same. We will not be responsible, or in any way liable, for unauthorized repairs or service to our equipment, and this warranty shall be void if the equipment is tampered with, modified, or abused, used for purposes not intended in the design and construction of the machine, or is repaired or altered in any way without MILNOR's written consent.

Parts damaged by exposure to weather, to aggressive water, or to chemical attack are not covered by this warranty. For parts which require routine replacement due to normal wear—such as gaskets, contact points, brake and clutch linings, belts, hoses, and similar parts—the warranty time period is 90 days.

We reserve the right to make changes in the design and/or construction of our equipment (including purchased components) without obligation to change any equipment previously supplied.

ANY SALE OR FURNISHING OF ANY EQUIPMENT BY MILNOR IS MADE ONLY UPON THE EXPRESS UNDERSTANDING THAT MILNOR MAKES NO EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE OR ANY OTHER WARRANTY IMPLIED BY LAW INCLUDING BUT NOT LIMITED TO REDHIBITION. MILNOR WILL NOT BE RESPONSIBLE FOR ANY COSTS OR DAMAGES ACTUALLY INCURRED OR REQUIRED AS A RESULT OF: THE FAILURE OF ANY OTHER PERSON OR ENTITY TO PERFORM ITS RESPONSIBILITIES, FIRE OR OTHER HAZARD, ACCIDENT, IMPROPER STORAGE, MIS-USE, NEGLECT, POWER OR ENVIRONMENTAL CONTROL MALFUNCTIONS, DAMAGE FROM LIQUIDS, OR ANY OTHER CAUSE BEYOND THE NORMAL RANGE OF USE. REGARDLESS OF HOW CAUSED, IN NO EVENT SHALL MILNOR BE LIABLE FOR SPECIAL, INDIRECT, PUNITIVE, LIQUIDATED, OR CONSEQUENTIAL COSTS OR DAMAGES, OR ANY COSTS OR DAMAGES WHATSOEVER WHICH EXCEED THE PRICE PAID TO MILNOR FOR THE EQUIPMENT IT SELLS OR FURNISHES.

THE PROVISIONS ON THIS PAGE REPRESENT THE ONLY WARRANTY FROM MILNOR AND NO OTHER WARRANTY OR CONDITIONS, STATUTORY OR OTHERWISE, SHALL BE IMPLIED.

WE NEITHER ASSUME, NOR AUTHORIZE ANY EMPLOYEE OR OTHER PERSON TO ASSUME FOR US, ANY OTHER RESPONSIBILITY AND/OR LIABILITY IN CONNECTION WITH THE SALE OR FURNISHING OF OUR EQUIPMENT TO ANY BUYER.

BIUUUD19 (Published) Book specs- Dates: 20081231 / 20081231 Lang: ENG01 Applic: UUU

How to Get the Necessary Repair Components



This document uses Simplified Technical English. Learn more at http://www.asd-ste100.org.

You can get components to repair your machine from the approved supplier where you got this machine. Your supplier will usually have the necessary components in stock. You can also get components from the Milnor® factory.

Tell the supplier the machine model and serial number and this data for each necessary component:

- The component number from this manual
- The component name if known
- The necessary quantity
- The necessary transportation requirements
- If the component is an electrical component, give the schematic number if known.
- If the component is a motor or an electrical control, give the nameplate data from the used component.

To write to the Milnor factory:

Pellerin Milnor Corporation Post Office Box 400 Kenner, LA 70063-0400 UNITED STATES

Telephone: 504-467-2787

Fax: 504-469-9777

Email: parts@milnor.com

— End of BIUUUD19 —

Trademarks

BNUUUU02.R01 0000158093 F.2 E.2 3/3/21 9:47 AM Released

These words are trademarks of Pellerin Milnor® Corporation and other entities:

Table 1. Trademarks

| AutoSpot TM | GreenFlex TM | MilMetrix® | PulseFlow® |
|------------------------|-------------------------|---------------------------|---------------------------|
| CBW® | GearTrace TM | MilTouch TM | RAM Command TM |
| Drynet TM | GreenTurn TM | MilTouch-EX TM | RecircONE® |
| E-P Express® | Hydro-cushion™ | $MILRAIL^{TM}$ | RinSave® |
| E-P OneTouch® | Mentor® | Miltrac TM | $SmoothCoil^{TM}$ |
| E-P Plus® | Mildata® | PBW^{TM} | Staph Guard® |
| Gear Guardian® | Milnor® | | |

End of document: BNUUUU02

BIUUUS27 (Published) Book specs- Dates: 20051111 / 20051111 / 20060323 Lang: ENG01 Applic: VJU VIS VSS VAU

Safety—Stationary (non-Shuttling) Conveyors

1. General Safety Requirements—Vital Information for Management Personnel [Document BIUUUS04]

Incorrect installation, neglected preventive maintenance, abuse, and/or improper repairs, or changes to the machine can cause unsafe operation and personal injuries, such as multiple fractures, amputations, or death. The owner or his selected representative (owner/user) is responsible for understanding and ensuring the proper operation and maintenance of the machine. The owner/user must familiarize himself with the contents of all machine instruction manuals. The owner/user should direct any questions about these instructions to a Milnor® dealer or the Milnor® Service department.

Most regulatory authorities (including OSHA in the USA and CE in Europe) hold the owner/user ultimately responsible for maintaining a safe working environment. Therefore, the owner/user must do or ensure the following:

- recognize all foreseeable safety hazards within his facility and take actions to protect his
 personnel, equipment, and facility;
- work equipment is suitable, properly adapted, can be used without risks to health or safety, and is adequately maintained;
- where specific hazards are likely to be involved, access to the equipment is restricted to those employees given the task of using it;
- only specifically designated workers carry out repairs, modifications, maintenance, or servicing;
- information, instruction, and training is provided;
- workers and/or their representatives are consulted.

Work equipment must comply with the requirements listed below. The owner/user must verify that installation and maintenance of equipment is performed in such a way as to support these requirements:

- control devices must be visible, identifiable, and marked; be located outside dangerous zones; and not give rise to a hazard due to unintentional operation;
- control systems must be safe and breakdown/damage must not result in danger;
- work equipment is to be stabilized;
- protection against rupture or disintegration of work equipment;
- guarding, to prevent access to danger zones or to stop movements of dangerous parts before the danger zones are reached. Guards to be robust; not give rise to any additional hazards; not be easily removed or rendered inoperative; situated at a sufficient distance from the danger zone; not restrict view of operating cycle; allow fitting, replacing, or maintenance by restricting access to relevant area and without removal of guard/protection device;
- suitable lighting for working and maintenance areas;
- maintenance to be possible when work equipment is shut down. If not possible, then protection measures to be carried out outside danger zones;
- work equipment must be appropriate for preventing the risk of fire or overheating; discharges of gas, dust, liquid, vapor, other substances; explosion of the equipment or substances in it.

- 1.1. Laundry Facility—Provide a supporting floor that is strong and rigid enough to support—with a reasonable safety factor and without undue or objectionable deflection—the weight of the fully loaded machine and the forces transmitted by it during operation. Provide sufficient clearance for machine movement. Provide any safety guards, fences, restraints, devices, and verbal and/or posted restrictions necessary to prevent personnel, machines, or other moving machinery from accessing the machine or its path. Provide adequate ventilation to carry away heat and vapors. Ensure service connections to installed machines meet local and national safety standards, especially regarding the electrical disconnect (see the National Electric Code). Prominently post safety information, including signs showing the source of electrical disconnect.
- **1.2. Personnel**—Inform personnel about hazard avoidance and the importance of care and common sense. Provide personnel with the safety and operating instructions that apply to them. Verify that personnel use proper safety and operating procedures. Verify that personnel understand and abide by the warnings on the machine and precautions in the instruction manuals.
- **1.3. Safety Devices**—Ensure that no one eliminates or disables any safety device on the machine or in the facility. Do not allow machine to be used with any missing guard, cover, panel or door. Service any failing or malfunctioning device before operating the machine.
- 1.4. Hazard Information—Important information on hazards is provided on the machine safety placards, in the Safety Guide, and throughout the other machine manuals. Placards must be kept clean so that the information is not obscured. They must be replaced immediately if lost or damaged. The Safety Guide and other machine manuals must be available at all times to the appropriate personnel. See the machine service manual for safety placard part numbers. Contact the Milnor Parts department for replacement placards or manuals.
- **1.5. Maintenance**—Ensure the machine is inspected and serviced in accordance with the norms of good practice and with the preventive maintenance schedule. Replace belts, pulleys, brake shoes/disks, clutch plates/tires, rollers, seals, alignment guides, etc. before they are severely worn. Immediately investigate any evidence of impending failure and make needed repairs (e.g., cylinder, shell, or frame cracks; drive components such as motors, gear boxes, bearings, etc., whining, grinding, smoking, or becoming abnormally hot; bending or cracking of cylinder, shell, frame, etc.; leaking seals, hoses, valves, etc.) Do not permit service or maintenance by unqualified personnel.

2. Safety Alert Messages—Internal Electrical and Mechanical Hazards [Document BIUUUS11]

The following are instructions about hazards inside the machine and in electrical enclosures.



WARNING 1: Electrocution and Electrical Burn Hazards—Contact with electric power can kill or seriously injure you. Electric power is present inside the cabinetry unless the main machine power disconnect is off.

- Do not unlock or open electric box doors.
- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Keep yourself and others off of machine.
- Know the location of the main machine disconnect and use it in an emergency to remove all electric power from the machine.



WARNING 2: Entangle and Crush Hazards—Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Keep yourself and others off of machine.
- Know the location of all emergency stop switches, pull cords, and/or kick plates and use them in an emergency to stop machine motion.

3. Safety Alert Messages—External Mechanical Hazards [Document BIUUUS12]

The following are instructions about hazards around the front, sides, rear or top of the machine.



WARNING 3: Fall, Entangle, and Strike Hazards—Machine motion can cause you to fall or become entangled in or struck by nearby objects if you stand, walk, or ride on the machine. Shuttles and conveyor belts move automatically.

Keep yourself and others off of machine.

4. Safety Alert Messages—Unsafe Conditions [Document BIUUUS14]

4.1. Damage and Malfunction Hazards

4.1.1. Hazards Resulting from Inoperative Safety Devices



WARNING 4: **Multiple Hazards**—Operating the machine with an inoperative safety device can kill or injure personnel, damage or destroy the machine, damage property, and/or void the warranty.

• Do not tamper with or disable any safety device or operate the machine with a malfunctioning safety device. Request authorized service.



WARNING 5: Electrocution and Electrical Burn Hazards—Electric box doors—Operating the machine with any electric box door unlocked can expose high voltage conductors inside the box.

• Do not unlock or open electric box doors.



WARNING 6: **Entangle and Crush Hazards**—Guards, covers, and panels—Operating the machine with any guard, cover, or panel removed exposes moving components.

• Do not remove guards, covers, or panels.



4.1.2. Hazards Resulting from Damaged Mechanical Devices

WARNING 7: **Multiple Hazards**—Operating a damaged machine can kill or injure personnel, further damage or destroy the machine, damage property, and/or void the warranty.

• Do not operate a damaged or malfunctioning machine. Request authorized service.

4.2. Careless Use Hazards

4.2.1. Careless Operation Hazards—Vital Information for Operator Personnel (see also operator hazards throughout manual)



WARNING 8: **Multiple Hazards**—Careless operator actions can kill or injure personnel, damage or destroy the machine, damage property, and/or void the warranty.

- Do not tamper with or disable any safety device or operate the machine with a malfunctioning safety device. Request authorized service.
- Do not operate a damaged or malfunctioning machine. Request authorized service.
- Do not attempt unauthorized servicing, repairs, or modification.
- Do not use the machine in any manner contrary to the factory instructions.
- Use the machine only for its customary and intended purpose.
- Understand the consequences of operating manually.



CAUTION 9: Goods Damage and Wasted Resources—Entering incorrect cake data causes improper processing, routing, and accounting of batches.

• Understand the consequences of entering cake data.

4.2.2. Careless Servicing Hazards—Vital Information for Service Personnel (see also service hazards throughout manuals)



WARNING 10: Electrocution and Electrical Burn Hazards—Contact with electric power can kill or seriously injure you. Electric power is present inside the cabinetry unless the main machine power disconnect is off.

- Do not service the machine unless qualified and authorized. You must clearly understand the hazards and how to avoid them.
- Abide by the current OSHA lockout/tagout standard when lockout/tagout is called for in the service instructions. Outside the USA, abide by the OSHA standard in the absence of any other overriding standard.



WARNING 11: Entangle and Crush Hazards—Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- Do not service the machine unless qualified and authorized. You must clearly understand the hazards and how to avoid them.
- Abide by the current OSHA lockout/tagout standard when lockout/tagout is called for in the service instructions. Outside the USA, abide by the OSHA standard in the absence of any other overriding standard.

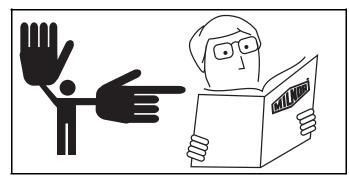
- End of BIUUUS27 -

Glossary of Tag Illustrations— Conveyor

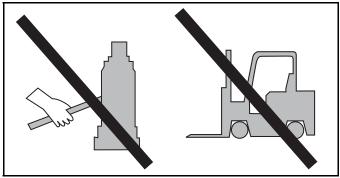
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Illustration

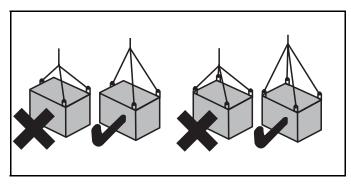
Explanation



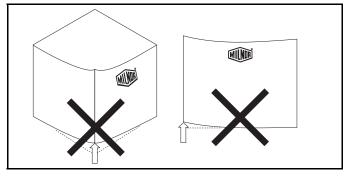
Stop! Read the manual first for complete instructions before continuing.



Do not jack the machine here. Do not lift the machine here.

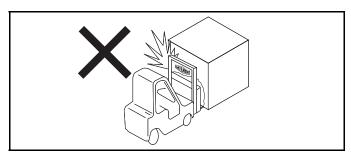


Use three point or four point lifting as determined by the lifting eyes furnished. Rig the load using lifting cables of sufficient size and length to ensure cables are not over-stressed.

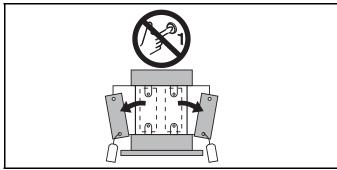


Do not lift the machine from one corner or one side edge.

Explanation



Do not strike machine or components during fork lifting.



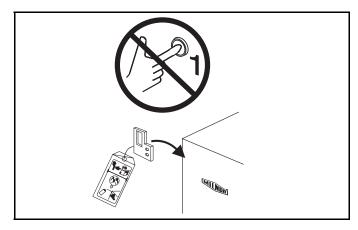
Do not start this machine until the packing materials, lifting brackets, etc. with this tag attached or behind this panel are removed. These materials are painted red. Safety stands or brackets (also painted red) may be provided with this machine. Do not discard safety stands or brackets



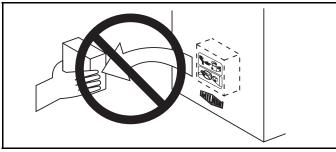
Do not step or stand on this machine part.



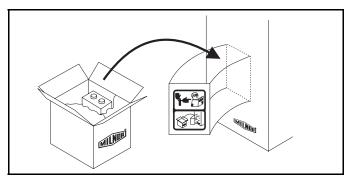
This motor or pump should rotate in the direction of the arrow.



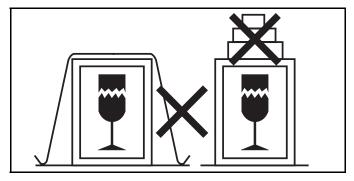
Do not start this machine until the part with this tag is installed on the machine.



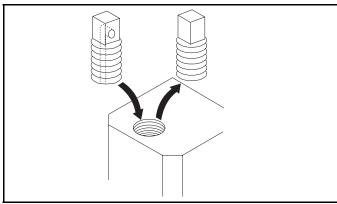
Do not remove this component from the machine.



Install the appropriate part here before operating the machine.



Do not strap or chain over box



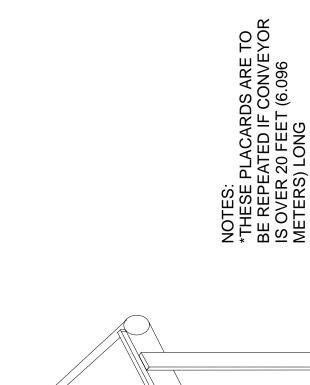
Replace non-vented plug with vented plug on gear reducer before operating.

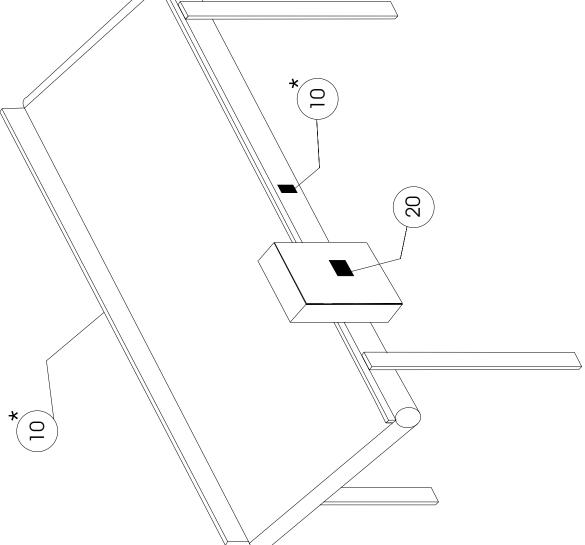
Safety Placard Use and Placement ALL FIXED CONVEYORS



Pellerin Milnor Corporation P. O. Box 400, Kenner, LA 70063-0400

- Notes:
 1. Replace placard immediately, if removed or unreadable.
 2. Approximate locations of placards are shown. Mounting holes are provided on machine. Use #8 self-tapping screws.







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Litho in U.S.A.

Parts List—Safety Placard PlacementFind the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|------------------------------|----------|
| | | | ASSEMBLIES | |
| | | | | |
| | | | none | |
| - II | 40 | 04.400044 | COMPONENTS | |
| all | 10 | 01 10634A | NPLT:CONVEYOR HAZARDS-TCATA | |
| all | 20 | 01 10375B | NPLT:ELEC HAZARD SMALL-TCATA | |
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Safety Placard Use and Placement ISO **ALL FIXED CONVEYORS**

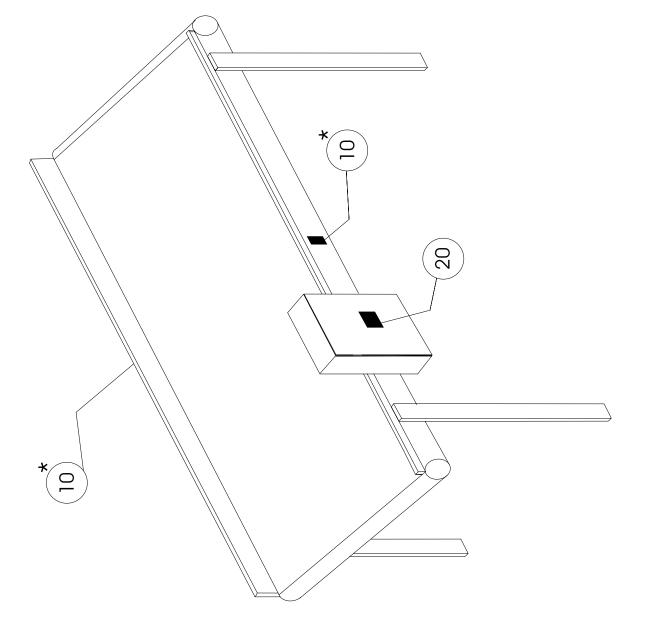


Pellerin Milnor Corporation P. O. Box 400, Kenner, LA 70063-0400

ISO Placards

shown on this page

- Notes: 1. Replace placard immediately, if removed or
- unreadable.
 2. Approximate locations of placards are shown.
 Mounting holes are provided on machine.
 Use #8 self-tapping screws.



NOTES: *THESE PLACARDS ARE TO BE REPEATED IF CONVEYOR IS OVER 20 FEET (6.096 METERS) LONG



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Litho in U.S.A.

Parts List—Safety Placard Placement

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

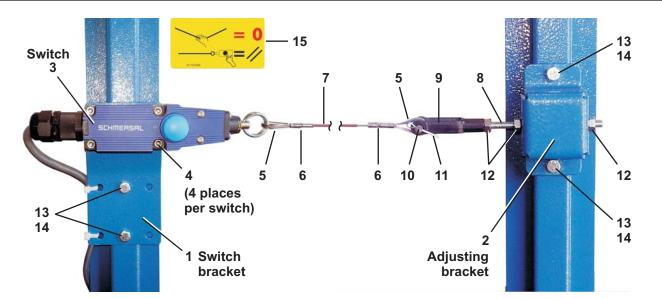
| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|--------------------------|----------|
| | | | ASSEMBLIES | |
| | | | | |
| | | | none | |
| | | | COMPONENTS | |
| all | 10 | 01 10634X | NPLT:WARN CONVEYORS -ISO | |
| all | 20 | 01 10375 | NPLTE:"WARNING" 2X2 | |
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Pull-wire Stop Switch

All Conveyors

Figure 1: Pull-wire Stop Switch Installation

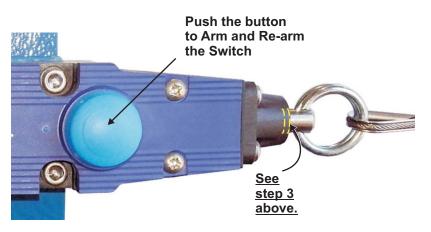


Installation and operation:

1. Install the switch bracket, switch, and adjusting bracket to the conveyor side supports as shown. (Install pull-wire stop switch to both sides of all conveyors.)

For long spans, intermediate wire supports are required every 2 m to 5 m (6 ft to 16 ft). Sufficient space must be provided so that maximum perpendicular force on the wire to activate the switch is 200 N (45 pounds) and the maximum deflection of the wire is 400 mm (15").

- 2. Assemble and install the cable (pull cord), thimbles, and sleeves so that the cable is tight but does not begin to move the switch shaft.
- 3. Adjust the position of the threaded rod (item 8) so that the cable pulls the switch shaft out until the first of two notches on the shaft is visible but the second notch is not.
- 4. Tighten the nuts on the threaded rod (item12) to hold it at this position.



- 5. Press the button on the switch to ARM. The button should remain depressed. If it does not, the switch shaft is not in the correct position.
- 6. Press the button to RE-ARM the switch after the wire has been tripped.

Pull-wire Stop Switch

All Conveyors

Parts List—Pull-wire Stop Switch
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|-----------------------------------|-------------------------------|
| | | | ASSEMBLIES | |
| | A | ALC40005E | PULL-WIRE STOP SWITCH ASSY | |
| | 1 | 04 20066 | WIREPULL SWITCH BRACKET | CONVEYORS PLUS CONWA/CONLO |
| | 1 | 04 24128 | SAFETY SW MTG PLATE-4232M | EXTRACTOR CONVEYORS |
| all | 2 | 04 20067 | WIREPULL ADJUSTING BRKT | |
| all | 3 | 09RS0002 | PULL-WIRE SW SCHMERSAL#ZQ 700-11 | |
| all | 4 | 15K022B | SOKCPSCR 10-24UNC X 1+1/2"LG SS18 | |
| all | 5 | 27A951 | 1/16" SS WIRE ROPE THIMBLE | |
| all | 6 | 27A952 | 1/16" OVAL SLEEVE S/S | |
| all | 7 | 27A953 | CABLE-AIRCRAFT 1/16SS7X7REDCV | |
| all | 8 | 17R015 | THRD ROD 1/4-28UNFX4.5" ZNC PL | |
| all | 9 | 17A004 | ADJ YOKE END 1/4-28 XYLAN COAT | |
| all | 10 | 17A004A | CLEVIS PIN 1/4"X3/4"DRILLED SS | |
| all | 11 | 15H031 | STDCOTTERPIN 3/32X3/4 SS18-8 | |
| all | 12 | 15G177 | HXNUT 1/4-28UNF2B SAE ZINC GR2 | |
| all | 13 | 15K038B | 1/4-20X 1/2 HEXFLANGE SCREW | |
| all | 14 | 15G178 | 1/4"-20 HEXFLANGE NUT ZINC | |
| all | 15 | 01 10749X | NPLT:PULL TO STOP+RESET>ISO | |
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Service and Maintenance

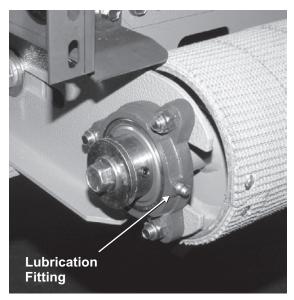
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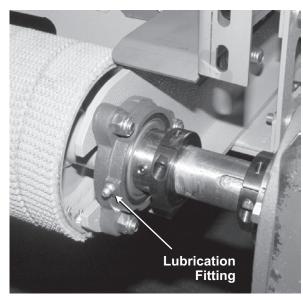
Conveyor Lubrication & Chain Adjustment

Flatbelt, Pod, Load, and Extractor Conveyors

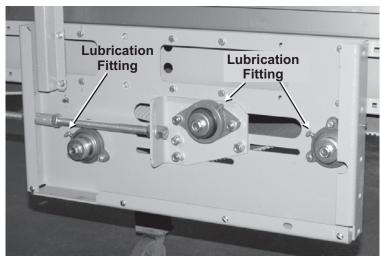
CONVEYOR LUBRICATION:

Every three months, all CONVEYOR ROLLER BEARINGS should be lubricated with bearing lubricant, Shell Alvania EP2 Lithium Grease or equivalent, using a hand pressure grease gun. Lubrication fittings are located on the bearings when they are easily accessible or they are remotely located to a position on the conveyor bed frame, if the bearing cannot be reached easily.

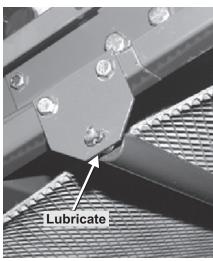




Roller Bearings





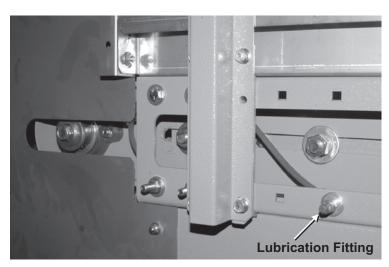


Idler Roller

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Conveyor Lubrication & Chain Adjustment

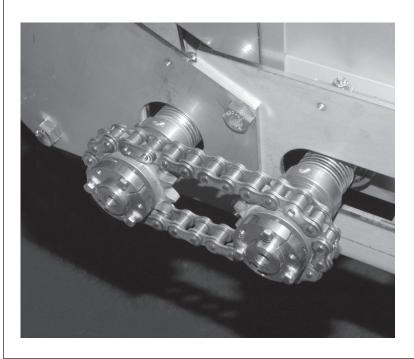
Flatbelt, Pod, Load, and Extractor Conveyors



Remote Lubrication Points

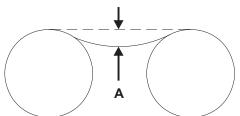
CHAIN LUBRICATION:

Every thirty days of operation, CHAIN DRIVES should be lubricated with bearing lubricant, Shell Alvania EP2 Lithium Grease or equivalent. Chain drives are covered by a safety cover and their lubrication fitting are remotely mounted where they are easily accessible.



CHAIN ADJUSTMENTS:

Every thirty days of operation, chain drives should be checked for proper adjustment.



Dimension A

| New | 0125" |
|----------|-----------|
| Chain | (0-3MM) |
| After 48 | .125"25" |
| hours | (3MM-6MM) |

Step 1: The conveyor frame must be "square".

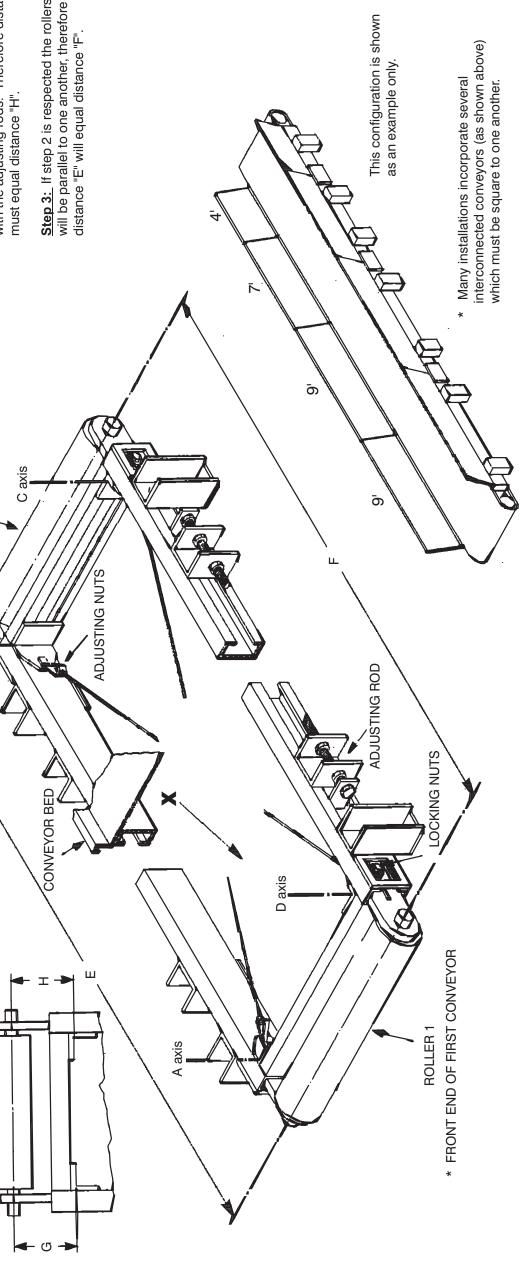
Conveyor Adjustment Procedures



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belt, it is essential that the conveyor is properly "squared". These instructions define the procedures Comments: To provide optimum durability of the conveyor

This is accomplished by moving the rollers with the adjusting rods. Therefore distance "G" must equal distance "H". Step 2: The rollers must be parallel to the The frame is "square" if and only if met: distance "A" - "C" equals distance "B" - "D". This is accomplished by adjusting the tie rods between points "A" - "C" and "B" - "D" **Step 3:** If step 2 is respected the rollers will be parallel to one another, therefore lines "A" - "D" and respectively "B" - "C". distance "E" will equal distance "F". * REAR OF LAST CONVEYOR **ROLLER 2** C axis B axis CONVEYOR BED SECTION X to "square" the system.



Conveyor Adjustment Procedures



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Step 1: At some point well back from the end of the belt, measure and carefully mark a point (C) at the exact center of the belt width.

Step 2: Measure from this centerpoint two equal lengths (k and m) and mark points (A and B) along the edges and near the end of the belt. Be sure length "k" equals length "m".

Step 3: Meausre the total desired length (h) from point "B" to point "F" and mark that point.

Step 4: At some point well back from this end of the belt, mark a point (D) at the exact center of the belt width.

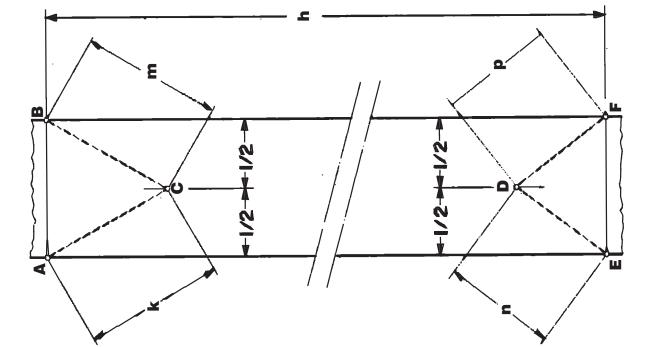
Step 5: Repeat step 2 to find point "E".

Be sure that length "n" equals length "p".

Step 6: Cut along lines "A" - "B" and

Step 6: Cut along lines "A" - "B" and "E" - "F". Cuts must be straight so that the ends may be laced together without causing the belt material to warp.

(THIS PROCEDURE TO BE USED IF A BELT IS TO BE CUT AND LACED IN THE FIELD.)



Litho in U.S.A.

When moving conveyor, never allow frame to twist; such as would occur

WARNING

than the others. Misalignment and damage to the frame may occur.

LEFT SIDE

if one corner were raised higher

ures **Conveyor Adjustment Proced**



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Jare the **Step 1:** Check the conveyor frame to make sure it is squ in accordance with illustration 1. Make sure the ends of t belt are square and laced properly in accordance with Illustration 2.

<u>Step 2:</u> Run the conveyor for enough revolutions to indicate what direction it tracks.

ended drives pick one end to adjust only) by following right side non driven end adjusting rod (for double Example: If the belt tracks to the right, adjust the these steps:

Step 2a: Loosen the two (2) 5/8" drive locking nuts. Step 2b: Turn the adjusting rod so as to move the right side straight. non-driven end out until the belt is tracking

Step 2c: Retighten the locking nuts. **Step 2d:** If the above procedure does not correct the problem apply the same steps on the right side driven end.

ADJUST OUT TO CORRECT TRACKING RIGHT IF ADJUSTMENT ON LOAD END WILL NOT CORRECT TRACKING.

BELT DIRECTION

RIGHT SIDE

DRIVE END

Step 3: Run the conveyor for at least 12 hours and readjust if necessary. Frequent inspection is required.

Step 4: After 72 hours operating, adjust the belt to track straight

if required.

Step 5: Check the belt at least monthly, or as required, to insure straight tracking.

Drive is normally located on discharge end. Double 16 feet long. Drive may be located on load end of flat bed and loading conveyor. Loading conveyor has metal dividers on belt, not shown here. end drives are used on reversing conveyors over "tracks" straight on the conveyor frame. These instructions provide step by step procedures to In order to insure optimum durablity of Milnor conveyor belts, it is essential that the belt This drawing intended for use with both insure proper belt tracking. short conveyors (4 feet). COMMENTS: ADJUSTING ROD LOOSEN LOCKING NUTS BEFORE AND TIGHTEN AFTER ADJUSTING TRACKS RIGHT **LOAD END**

ADJUST OUT TO CORRECT TRACKING RIGHT

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INCLINED CONVEYOR ASSEMBLY INSTRUCTIONS

APPLICABILITY: Inclined Conveyor

SCOPE: How to assemble

NOTE: Storage conveyors are generally shipped fully assembled or in various stages of assembly depending on special site conditions.

General

It is recommended to assemble inclined conveyors in the following sequence:

- 1. Join beds.
- 2. Install plastic anti-friction strips.
- **3.** Install adjustment leg mounts.
- **4.** Install belt to conveyor bed.
- **5.** Install load end legs.
- **6.** Install unloading end legs.
- 7. Install middle legs.
- **8.** Install cross members.
- **9.** Anchor bolt legs to floor where applicable.
- **10.** Mount motor to gear reducer where applicable.
- 11. Make electrical connection and extend safety shut-off switch wires.

Installation Procedure

Joining Beds

Each conveyor bed is comprised of one or more 4, 7, or 9 foot section.

The connection between bed sections is made by eight 3/8" carriage bolts at each corner of the middle section or junction of two beds. (Combination: nut, bolt, lockwasher, and flatwasher.) Six on the side and two underneath.

When bolting sections together make sure all butting surfaces are flush and the conveyor is level along the entire length.

Install Plastic Anti-Friction Strips

The polymer anti-friction strips shipped with your conveyor must be installed after the conveyor sections have been joined together. These strips which run continuously along the entire conveyor length, prevent the conveyor belt from adhering to the bed and straining the motor when the conveyor is started.

Attach anti-friction strips as shown in the figure next page using the flat head bolts and self-locking nuts supplied. Note that the strips and conveyor bed were pre-drilled. Bolt heads must be countersunk slightly below the top surface of the strip to assure that bolt head doesn't cut into belt material.

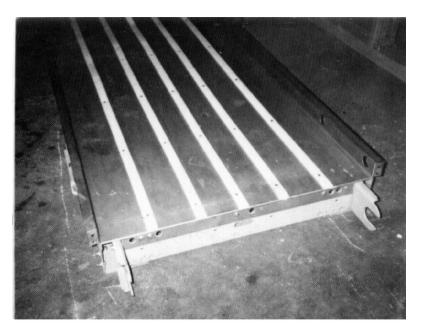


FIGURE 1: Install Anti-Friction Strips

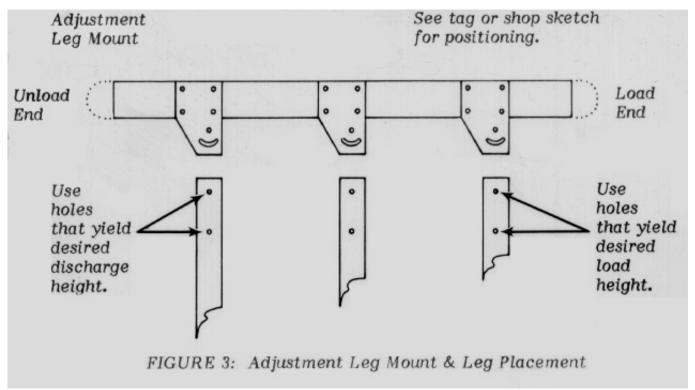
Install Adjustment Leg Mounts

In order to raise conveyor from resting on floor, it is recommended to mount the adjustment leg mounts to the sides of the conveyor. Adjustment leg mount locations are marked with tags or illustrated by a shop sketch for positioning. Mounts are bolted to the conveyor bed in four places, as shown in the photo right, and figure next page.

Note: All bolts for attaching leg adjustment mounts, legs, and cross members are 1/2". All nuts have full threads and are used in a combination of bolt, lockwasher, and nut. Flatwashers are added where slotted holes are being used.



FIGURE 2: Adjustment Leg Mount



Install Belt

Belt tension adjustments are made on the idler (load) end. The bearing carrier is attached loosely to adjust tension after belt is on.

Install Load End Legs

Raise load end of conveyor to load height. Position legs on adjustment leg mounts (see illustration above) and secure loosely.

Install Unloading End Legs

Raise unloading end of conveyor to discharge height and secure legs to adjustment leg mounts.

CAUTION: Do not lift conveyor from roller. This may damage the roller or belt. Lift from connecting bracket or conveyor bed.

Install Middle Legs

Install middle legs to adjustment leg mount and secure. Go back and adjust all legs vertically and tighten all bolts.

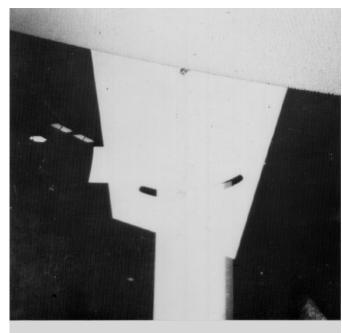


FIGURE 4: Backview Leg Connection

Install Crossmembers

Cross members are used in pairs, bracing legs front and back. Shorter legs ranging from 9" to 26" do not require crossmembers, whereas legs ranging from 27" to 145" require cross-bracing approximately 13" from the bottom of the leg using pre-drilled holes. Taller legs, ranging from 40" to 145" require a second pair of cross braces placed near the top of the legs where bolt holes are available. (See photo right.)

Anchor to Foundation

Use one 1 anchor bolt per leg. Anchor bolt hardware not supplied by Pellerin Milnor Corporation.

Mount Motors

All conveyors are shipped with gear reducers mounted to the drive roller (unloading end). Motors may need to be mounted to the gear reducer if shipped detached.

Note: No adjustment is needed on the drive end of the system.

Additional Connections

Make electrical connection and extend safety shut-off switch wires.



FIGURE 5: Crossmembers, one of two shown.

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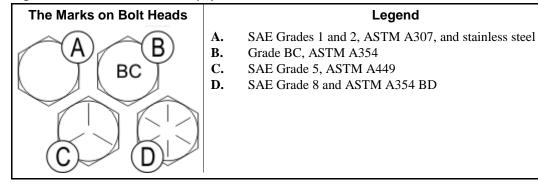
Torque Requirements for Fasteners



This document uses Simplified Technical English. Learn more at http://www.asd-ste100.org.

The document about the assembly gives the torque requirements for other fasteners. If fastener torque specifications or threadlocker requirements in an assembly document are different from this document, use the assembly document.

Figure 1: The Bolts in Milnor® Equipment



1. Torque Values

These tables give the standard dimension, grade, threadlocker, and torque requirements for fasteners frequently used on Milnor® equipment.

Note 1: Data from the Pellerin Milnor® Corporation "Bolt Torque Specification" (bolt_torque_milnor.xls/2002096).

1.1. Fasteners Made of Carbon Steel

1.1.1. Without a Threadlocker

Table 1: Torque Values for Standard Fasteners with Maximum 5/16-inch Diameters and No Lubricant

| | The Grade of the Bolt | | | | | | | |
|-----------|-----------------------|-----|--------------|-----|--------------|-----|--------------|-----|
| | Grade 2 | | Grade 5 | | Grade 8 | | Grade BC | |
| Dimension | Pound-Inches | N-m | Pound-Inches | N-m | Pound-Inches | N-m | Pound-Inches | N-m |
| 1/4 x 20 | 66 | 7 | 101 | 11 | 143 | 16 | 126 | 14 |
| 1/4 x 28 | 76 | 9 | 116 | 13 | 163 | 18 | | |
| 5/16 x 18 | 136 | 15 | 209 | 24 | 295 | 33 | 258 | 29 |
| 5/16 x 24 | 150 | 17 | 232 | 26 | 325 | 37 | | |

Table 2: Torque Values for Standard Fasteners Larger Than 5/16-inch Diameters and No Lubricant

| | The Grade of the Bolt | | | | | | | | |
|------------|-----------------------|------|------------|------|------------|------|------------|------|--|
| | Grad | de 2 | Grae | de 5 | Grae | de 8 | Grade | e BC | |
| Dimension | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | |
| 3/8 x 16 | 20 | 27 | 31 | 42 | 44 | 59 | 38 | 52 | |
| 3/8 x 24 | 23 | 31 | 35 | 47 | 50 | 68 | | | |
| 7/16 x 14 | 32 | 43 | 49 | 66 | 70 | 95 | 61 | 83 | |
| 7/16 x 20 | 36 | 49 | 55 | 75 | 78 | 105 | | | |
| 1/2 x 13 | 49 | 66 | 75 | 102 | 107 | 145 | 93 | 126 | |
| 1/2 x 20 | 55 | 75 | 85 | 115 | 120 | 163 | | | |
| 9/16 x 12 | 70 | 95 | 109 | 148 | 154 | 209 | 134 | 182 | |
| 9/16 x 18 | 78 | 106 | 121 | 164 | 171 | 232 | | | |
| 5/8 x 11 | 97 | 131 | 150 | 203 | 212 | 287 | 186 | 252 | |
| 5/8 x 18 | 110 | 149 | 170 | 231 | 240 | 325 | | | |
| 3/4 x 10 | 172 | 233 | 266 | 361 | 376 | 510 | 329 | 446 | |
| 3/14 x 16 | 192 | 261 | 297 | 403 | 420 | 569 | | | |
| 7/8 x 9 | 167 | 226 | 429 | 582 | 606 | 821 | 531 | 719 | |
| 7/8 x 14 | 184 | 249 | 473 | 641 | 668 | 906 | | | |
| 1 x 8 | 250 | 339 | 644 | 873 | 909 | 1232 | 796 | 1079 | |
| 1 x 12 | 274 | 371 | 704 | 954 | 994 | 1348 | | | |
| 1 x 14 | 281 | 381 | 723 | 980 | 1020 | 1383 | | | |
| 1 1/8 x 7 | 354 | 480 | 794 | 1077 | 1287 | 1745 | 1126 | 1527 | |
| 1 1/8 x 12 | 397 | 538 | 891 | 1208 | 1444 | 1958 | | | |
| 1 1/4 x 7 | 500 | 678 | 1120 | 1519 | 1817 | 2464 | 1590 | 2155 | |
| 1 1/4 x 12 | 553 | 750 | 1241 | 1682 | 2012 | 2728 | | | |
| 1 3/8 x 6 | 655 | 888 | 1469 | 1992 | 2382 | 3230 | 2085 | 2827 | |
| 1 3/8 x 12 | 746 | 1011 | 1672 | 2267 | 2712 | 3677 | | | |
| 1 1/2 x 6 | 869 | 1178 | 1949 | 2642 | 3161 | 4286 | 2767 | 3751 | |
| 1 1/2 x 12 | 979 | 1327 | 2194 | 2974 | 3557 | 4822 | | | |

 Table 3: Torque Values for Plated Fasteners with Maximum 5/16-inch Diameters and No Lubricant

| | The Grade of the Bolt | | | | | | | | |
|-----------|-----------------------|-----|--------------|-----|--------------|-----|--------------|-----|--|
| | Grade 2 | | Grade 5 | | Grade 8 | | Grade BC | | |
| Dimension | Pound-Inches | N-m | Pound-Inches | N-m | Pound-Inches | N-m | Pound-Inches | N-m | |
| 1/4 x 20 | 49 | 6 | 76 | 9 | 107 | 12 | 95 | 11 | |
| 1/4 x 28 | 56 | 6 | 88 | 10 | 122 | 14 | | | |
| 5/16 x 18 | 102 | 12 | 156 | 18 | 222 | 25 | 193 | 22 | |
| 5/16 x 24 | 113 | 13 | 174 | 20 | 245 | 28 | | | |

Table 4: Torque Values for Plated Fasteners Larger Than 5/16-inch Diameters and No Lubricant

| | The Grade of the Bolt | | | | | | | |
|------------|-----------------------|-----|------------|------|------------|------|------------|------|
| | Grade 2 | | Grae | de 5 | Grade 8 | | Grade BC | |
| Dimension | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m |
| 3/8 x 16 | 15 | 20 | 23 | 31 | 33 | 44 | 29 | 38 |
| 3/8 x 24 | 17 | 23 | 26 | 35 | 37 | 49 | | |
| 7/16 x 14 | 24 | 32 | 37 | 50 | 52 | 71 | 46 | 61 |
| 7/16 x 20 | 27 | 36 | 41 | 55 | 58 | 78 | | |
| 1/2 x 13 | 37 | 49 | 56 | 76 | 80 | 106 | 70 | 93 |
| 1/2 x 20 | 41 | 55 | 64 | 85 | 90 | 120 | | |
| 9/16 x 12 | 53 | 70 | 81 | 110 | 115 | 153 | 101 | 134 |
| 9/16 x 18 | 59 | 79 | 91 | 122 | 128 | 174 | | |
| 5/8 x 11 | 73 | 97 | 113 | 150 | 159 | 212 | 139 | 186 |
| 5/8 x 18 | 83 | 110 | 127 | 172 | 180 | 240 | | |
| 3/4 x 10 | 129 | 173 | 200 | 266 | 282 | 376 | 246 | 329 |
| 3/14 x 16 | 144 | 192 | 223 | 297 | 315 | 420 | | |
| 7/8 x 9 | 125 | 166 | 322 | 430 | 455 | 606 | 398 | 531 |
| 7/8 x 14 | 138 | 184 | 355 | 474 | 501 | 668 | | |
| 1 x 8 | 188 | 250 | 483 | 644 | 682 | 909 | 597 | 796 |
| 1 x 12 | 205 | 274 | 528 | 716 | 746 | 995 | | |
| 1 x 14 | 210 | 280 | 542 | 735 | 765 | 1037 | | |
| 1 1/8 x 7 | 266 | 354 | 595 | 807 | 966 | 1288 | 845 | 1126 |
| 1 1/8 x 12 | 298 | 404 | 668 | 890 | 1083 | 1444 | | |
| 1 1/4 x 7 | 375 | 500 | 840 | 1120 | 1363 | 1817 | 1192 | 1590 |
| 1 1/4 x 12 | 415 | 553 | 930 | 1261 | 1509 | 2013 | | |
| 1 3/8 x 6 | 491 | 655 | 1102 | 1470 | 1787 | 2382 | 1564 | 2085 |
| 1 3/8 x 12 | 559 | 758 | 1254 | 1672 | 2034 | 2712 | | |
| 1 1/2 x 6 | 652 | 870 | 1462 | 1982 | 2371 | 3161 | 2075 | 2767 |
| 1 1/2 x 12 | 733 | 994 | 1645 | 2194 | 2668 | 3557 | | |

1.1.2. With a Threadlocker

Table 5: Threadlocker by the Diameter of the Bolt (see Note 2)

| | Dimension | | | | | | |
|-----------------|-----------|------------------|------------------|----------|--|--|--|
| LocTite Product | 1/4-inch | 1/4- to 5/8-inch | 5/8- to 7/8-inch | 1-inch + | | | |
| LocTite 222 | OK | | | | | | |
| LocTite 242 | | O | OK | | | | |
| LocTite 262 | | | OK | | | | |
| LocTite 272 | | | High temperature | | | | |
| LocTite 277 | | | | OK | | | |

Note 2: The acceptable bolt size ranges for various LocTite[®] threadlocking products is the LocTite manufacturer's **general** recommendation. Specific applications sometime require that a LocTite product is applied to a bolt size outside the ranges shown here. For example, Milnor specifies LocTite 242 for use on certain 1" bolt applications and has confirmed this usage with the LocTite manufacturer. You may see variances such as this in the documentation for specific machine assemblies.

Table 6: Torque Values if You Apply LocTite 222

| | The Grade of the Bolt | | | | | | | | |
|-----------|-----------------------|-----|------------------|-----|---------------|-----|------------------|-----|--|
| | Grade 2 | | Grade 5 | | Grade 8 | | Grade BC | | |
| Dimension | Pound-inc hes | N-m | Pound-inc hes | N-m | Pound-inc hes | N-m | Pound-inc hes | N-m | |
| 1/4 x 20 | 60 | 7 | 96 | 11 | 132 | 15 | 108 | 12 | |
| 1/4 x 28 | 72 | 8 | 108 | 12 | 144 | 16 | | | |

Table 7: Torque Values if You Apply LocTite 242

| | The Grade of the Bolt | | | | | | | |
|-----------|-----------------------|------|------------|-----|------------|-----|------------|-----|
| | Grae | de 2 | Grade 5 | | Grade 8 | | Grade BC | |
| Dimension | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m |
| 5/16 x 18 | 11 | 15 | 17 | 23 | 25 | 34 | 22 | 30 |
| 5/16 x 24 | 13 | 18 | 19 | 26 | 27 | 37 | 27 | 37 |
| 3/8 x 16 | 20 | 27 | 31 | 42 | 44 | 60 | 38 | 52 |
| 3/8 x 24 | 23 | 31 | 35 | 47 | 50 | 68 | | |
| 7/16 x 14 | 32 | 43 | 49 | 66 | 70 | 95 | 61 | 83 |
| 7/16 x 20 | 36 | 49 | 55 | 75 | 78 | 106 | | |
| 1/2 x 13 | 49 | 66 | 75 | 102 | 107 | 145 | 93 | 126 |
| 1/2 x 20 | 55 | 75 | 85 | 115 | 120 | 163 | | |
| 9/16 x 12 | 70 | 95 | 109 | 148 | 154 | 209 | 134 | 182 |
| 9/16 x 18 | 78 | 106 | 121 | 164 | 171 | 232 | | |
| 5/8 x 11 | 97 | 132 | 150 | 203 | 212 | 287 | 186 | 252 |
| 5/8 x 18 | 110 | 149 | 170 | 230 | 240 | 325 | | |

Table 8: Torque Values if You Apply LocTite 262

| | The Grade of the Bolt | | | | | | | | | |
|-----------|-----------------------|------|------------|-----|------------|-----|------------|-----|--|--|
| | Gra | de 2 | Grade 5 | | Grade 8 | | Grade BC | | | |
| Dimension | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | | |
| 3/4 x 10 | 155 | 210 | 240 | 325 | 338 | 458 | 296 | 401 | | |
| 3/4 x 16 | 173 | 235 | 267 | 362 | 378 | 512 | | | | |
| 7/8 x 9 | 150 | 203 | 386 | 523 | 546 | 740 | 477 | 647 | | |
| 7/8 x 14 | 165 | 224 | 426 | 578 | 601 | 815 | | | | |

Table 9: Torque Values if You Apply LocTite 272 (High-Temperature)

| | | The Grade of the Bolt | | | | | | |
|------------|------------|-----------------------|------------|------|------------|------|------------|------|
| | Grad | de 2 | Gra | de 5 | Grad | le 8 | Grad | e BC |
| Dimension | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m |
| 1 x 8 | 350 | 475 | 901 | 1222 | 1272 | 1725 | 1114 | 1510 |
| 1 x 12 | 383 | 519 | 986 | 1337 | 1392 | 1887 | | |
| 1 x 14 | 393 | 533 | 1012 | 1372 | 1428 | 1936 | | |
| 1-1/8 x 7 | 496 | 672 | 1111 | 1506 | 1802 | 2443 | 1577 | 2138 |
| 1-1/8 x 12 | 556 | 754 | 1247 | 1691 | 2022 | 2741 | | |
| 1-1/4 x 7 | 700 | 949 | 1568 | 2126 | 2544 | 3449 | 2226 | 3018 |
| 1-1/4 x 12 | 774 | 1049 | 1737 | 2355 | 2816 | 3818 | | |
| 1-3/8 x 6 | 917 | 1243 | 2056 | 2788 | 3335 | 4522 | 2919 | 3958 |
| 1-3/8 x 12 | 1044 | 1415 | 2341 | 3174 | 3797 | 5148 | | |
| 1-1/2 x 6 | 1217 | 1650 | 2729 | 3700 | 4426 | 6001 | 3873 | 5251 |
| 1-1/2 x 12 | 1369 | 1856 | 3071 | 4164 | 4980 | 6752 | | |

Table 10: Torque Values if You Apply LocTite 277

| | | The Grade of the Bolt | | | | | | |
|------------|------------|-----------------------|------------|------|------------|---------|------------|------|
| | Grad | de 2 | Grade 5 | | Grad | Grade 8 | | e BC |
| Dimension | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m |
| 1 x 8 | 325 | 441 | 837 | 1135 | 1181 | 1601 | 1034 | 1402 |
| 1 x 12 | 356 | 483 | 916 | 1242 | 1293 | 1753 | | |
| 1 x 14 | 365 | 495 | 939 | 1273 | 1326 | 1798 | | |
| 1-1/8 x 7 | 461 | 625 | 1032 | 1399 | 1674 | 2270 | 1464 | 1985 |
| 1-1/8 x 12 | 516 | 700 | 1158 | 1570 | 1877 | 2545 | | |
| 1-1/4 x 7 | 650 | 881 | 1456 | 1974 | 2362 | 3202 | 2067 | 2802 |
| 1-1/4 x 12 | 719 | 975 | 1613 | 2187 | 2615 | 3545 | | |
| 1-3/8 x 6 | 851 | 1154 | 1909 | 2588 | 3097 | 4199 | 2710 | 3674 |
| 1-3/8 x 12 | 970 | 1315 | 2174 | 2948 | 3526 | 4781 | | |
| 1-1/2 x 6 | 1130 | 1532 | 2534 | 3436 | 4110 | 5572 | 3597 | 4877 |
| 1-1/2 x 12 | 1271 | 1723 | 2852 | 3867 | 4624 | 6269 | | |

1.2. Stainless Steel Fasteners

Table 11: Torque Values for Stainless Steel Fasteners 5/16-inch and Smaller

| | 316 Stainless | | 316 Stainless 18-8 Stainless | | 18-8 Stair Loctit | |
|-----------|------------------|-----|------------------------------|-----|----------------------|-----|
| Dimension | Pound-Inc hes | N-m | Pound-Inc hes | N-m | Pound-Inc hes | N-m |
| 1/4 x 20 | 79 | 9 | 76 | 9 | 45 | 5 |
| 1/4 x 28 | 100 | 11 | 94 | 11 | 56 | 6 |
| 5/16 x 18 | 138 | 16 | 132 | 15 | 79 | 9 |
| 5/16 x 24 | 148 | 17 | 142 | 16 | 85 | 10 |

Table 12: Torque Values for Stainless Steel Fasteners Larger Than 5/16-inch

| | 316 Sta | ainless | 18-8 St | ainless | 18-8 Stair Loctit | |
|------------|------------|---------|------------|---------|----------------------|-----|
| Dimension | Pound-feet | N-m | Pound-feet | N-m | Pound-feet | N-m |
| 3/8 x 16 | 21 | 28 | 20 | 27 | 12 | 16 |
| 3/8 x 24 | 23 | 31 | 22 | 29 | 13 | 18 |
| 7/16 x 14 | 33 | 44 | 31 | 42 | 19 | 25 |
| 7/16 x 20 | 35 | 47 | 33 | 45 | 20 | 27 |
| 1/2 x 13 | 45 | 61 | 43 | 58 | 26 | 35 |
| 1/2 x 20 | 47 | 64 | 45 | 61 | 27 | 37 |
| 9/16 x 12 | 59 | 81 | 57 | 77 | 34 | 46 |
| 9/16 x 18 | 66 | 89 | 63 | 85 | 38 | 51 |
| 5/8 x 11 | 97 | 131 | 93 | 125 | 56 | 75 |
| 5/8 x 18 | 108 | 150 | 104 | 141 | 62 | 84 |
| 3/4 x 10 | 132 | 179 | 128 | 173 | 77 | 104 |
| 3/4 x 16 | 130 | 176 | 124 | 168 | 75 | 101 |
| 7/8 x 9 | 203 | 275 | 194 | 263 | 116 | 158 |
| 7/8 x 14 | 202 | 273 | 193 | 262 | 116 | 157 |
| 1 x 8 | 300 | 406 | 287 | 389 | 172 | 233 |
| 1 x 14 | 271 | 367 | 259 | 351 | 156 | 211 |
| 1-1/8 x 7 | 432 | 586 | 413 | 560 | 248 | 336 |
| 1-1/8 x 12 | 408 | 553 | 390 | 529 | 234 | 317 |
| 1-1/4 x 7 | 546 | 740 | 523 | 709 | 314 | 425 |
| 1-1/4 x 12 | 504 | 683 | 480 | 651 | 288 | 390 |
| 1-1/2 x 6 | 930 | 1261 | 888 | 1204 | 533 | 722 |
| 1-1/2 x 12 | 732 | 992 | 703 | 953 | 422 | 572 |

2. Preparation



WARNING 2: Fire Hazard—Some solvents and primers are flammable.

- Use threadlocker and primers with sufficient airflow.
- Do not use flammable material near ignition sources.
- 1. Clean all threads with a wire brush or a different tool.
- 2. Remove the grease from the fasteners and the mating threads with solvent. Make the parts dry.

Note 3: LocTite 7649 Primer[™] or standard solvents will remove grease from parts.

3. Apply a spray of LocTite 7649 Primer[™] or equal on the fasteners and the mating threads. Let the primer dry for one minute minimum.

3. How to Apply a Threadlocker

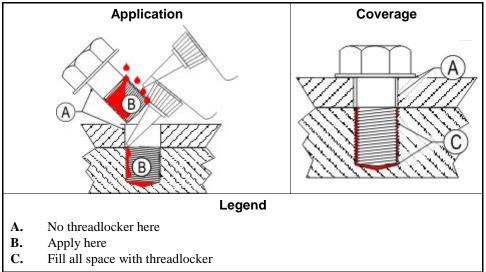


CAUTION 3: Malfunction Hazard—Heat, vibration, or mechanical shocks can let the fasteners loosen if you do not apply the threadlocker correctly. Loose fasteners can cause malfunctions of the equipment.

• Read the threadlocker manufacturer's instructions and warnings. Obey these instructions.

Apply the threadlocker only to the areas where the fastener threads and the mating threads engage.

Figure 2: Blind Hole



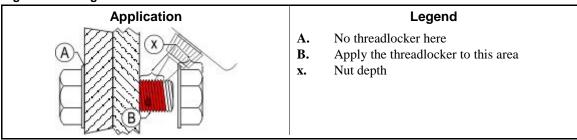
3.1. Blind Holes

- 1. Apply the threadlocker down the threads to the bottom of the hole.
- 2. Apply the threadlocker to the bolt.
- 3. Tighten the bolt to the value shown in the correct table (Table 5 to Table 11).

3.2. Through Holes

- 1. Put the bolt through the assembly.
- 2. Apply the threadlocker only to the bolt thread area that will engage the nut.
- 3. Tighten the bolt to the value shown in the correct table (Table 5 to Table 11).

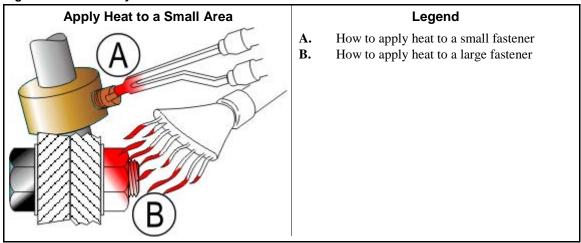
Figure 3: Through Hole



3.3. Disassembly—For high-strength threadlocker, apply heat for five minutes. Disassemble with hand tools while the parts are hot.

For low-strength and moderate-strength threadlocker, disassemble with hand tools.

Figure 4: Disassembly



— End of BIUUUM04 —

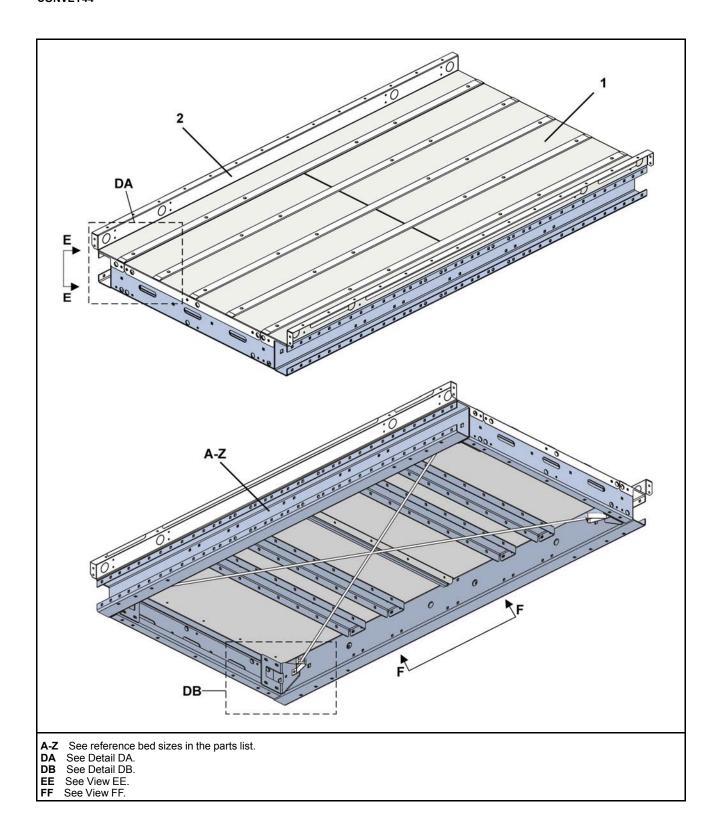
Parts 2

Conveyor

44" Wide Bed Assembly

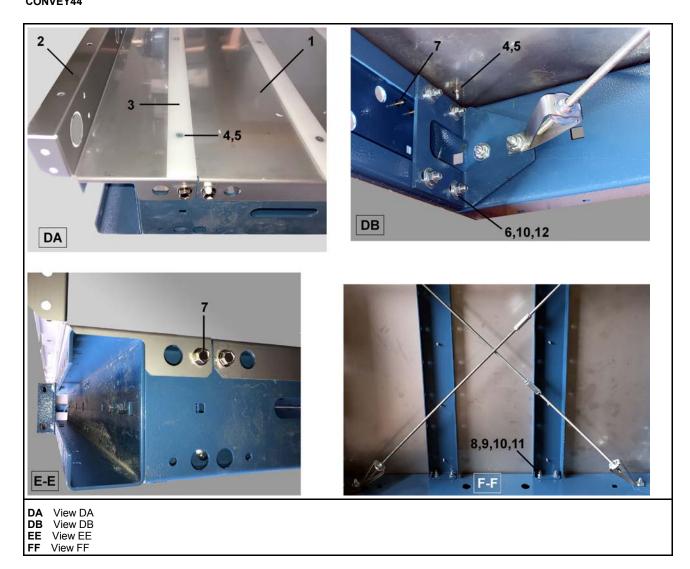
1 of 3

CONVEY44



44" Wide Bed Assembly CONVEY44

2 of 3



44" Wide Bed Assembly CONVEY44

Parts List

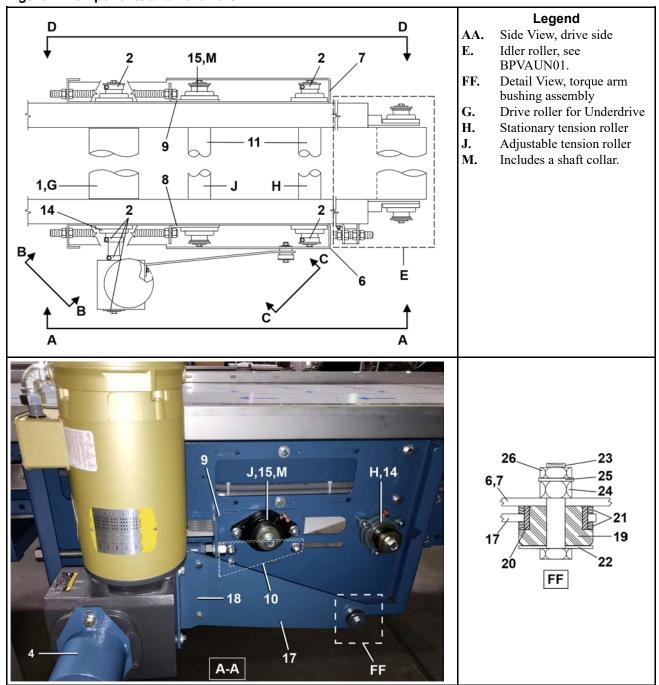
| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|----------------------------------|----------|
| | | | REFERENCE ASSEMBLIES | |
| | A | ALC44002 | MCS CONVEY W=44"XL=84" ASSY | |
| | | | COMPONENTS | |
| all | 1 | 04 24593A | CONV BED FULL 44WX84LG | |
| all | 2 | 04 20002 | MCS 84" SIDE MEMBER | |
| all | 3 | X4 24344 | CONV 7FT BED UHMW STRIP-MACHINED | |
| all | 4 | 15N176 | FLATMACSCR 1/4-20NCX3/4SS18-8 | |
| all | 5 | 15G166A | HXLOKNUT NYL1/4-20 UNC2A STL/Z | |
| all | 6 | 15A011 | CARBOLT 3/8-16UNC2X1 ZINC GR2 | |
| all | 7 | 15P200 | TRDCUT-F HXWASHD 3/8-16X3/4NIK | |
| all | 8 | 15K095 | HXCPSCR 3/8-16UNC2AX1 GR5 ZINC | |
| all | 9 | 15U255 | LOCKWASHER MEDIUM 3/8 ZINCPL | |
| all | 10 | 15U240 | FLATWASHER(USS STD) 3/8" ZNC P | |
| all | 11 | 15G205 | HXNUT 3/8-16UNC2B ZINC GR2 | |
| all | 12 | 15G198 | HXFLGNUT 3/8-16 ZINC | |
| all | 13 | 15K092 | HEXFLGSCR 3/8-16X1 GR8 CS | |
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Underdrive Assemblies

1 of 4

Flat Belt Conveyors: CONVEY24/36/40/42/44/48/50/60

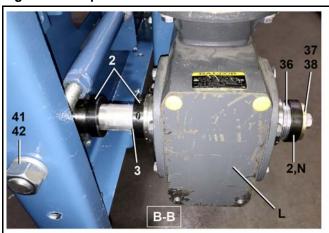
Figure 1. Components and Hardware

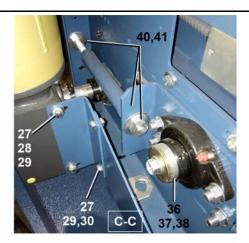


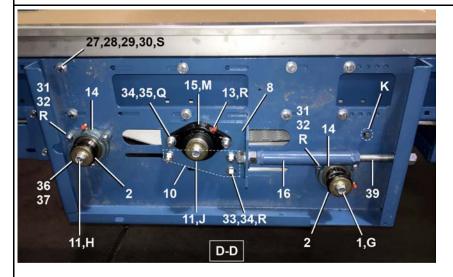
Underdrive Assemblies

Flat Belt Conveyors: CONVEY24/36/40/42/44/48/50/60

Figure 2. Components and Hardware



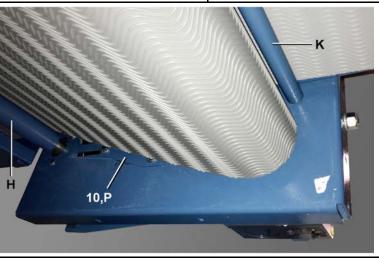




Legend

- **B-B.** Detail View, drive side
- C-C. Detail View, drive side
- **D-D.** Side View, non-drive side
- E. Idler roller, see BPVAUN021
- **G.** Drive roller for underdrive
- H. Stationary tension roller
- J. Adjustable tension roller
- **K.** Bed support roller
- L. Reducer, see BPAUVN03.
- M. Includes a shaft collar
- N. Not used on #732 reducers
- P. 2 instances
- **Q.** 4 instances
- **R.** 6 instances
- S. 42 instances





Pellerin Milnor Corporation

Flat Belt Conveyors: CONVEY24/36/40/42/44/48/50/60

Table 1. Parts List—Underdrive Assemblies

| | i | 1 | n" column. The numbers shown in the "Item" colum | i |
|----------|----------|------------------------|--|---------------------------------|
| Used In | Item | Part Number | Description/Nomenclature | Comments |
| | | T., | Assemblies | Taun III |
| | Α | ALC24041 | 24"UNDERDRIVE ASSY | 24" wide conveyors |
| | В | ALC36041 | 36"UNDERDRIVE ASSY | 36" wide conveyors |
| | С | ALC40041 | 40"UNDERDRIVE ASSY | 40" wide conveyors |
| | D | ALC40078 | 42"UNDERDRIVE ASSY | 42" wide conveyors |
| | E | ALC44004 | 44W UNDERDRIVE ASSEMBLY | 44" wide conveyors |
| | F | ALC48041 | 48"UNDERDRIVE ASSY | 48" wide conveyors |
| | G | ALC50149 | 50W UNDERDRIVE ASSEMBLY | 50" wide conveyors |
| | Н | ALC60042 | 60"UNDERDRIVE ASSEMBLY | 60" wide conveyors |
| | 1 | | Components | |
| A | 1 | APC24001B | 24"UND/DR 1DR-LAG 1.44 INPUT | 24" drive roller for underdrive |
| В | 1 | APC36005A | 36"UND/DR 1DR-LAG 1.44 INPUT | 36" drive roller for underdrive |
| C | 1 | APC40004B | 40"UND/DR 1DR-LAG 1.44 INPUT | 40" drive roller for underdrive |
| D | 1 | APC40004B APC42008 | 42W UND/DR ROLLER LAG 1.44 | 42" drive roller for underdrive |
| E | 1 | APC42008 APC44001 | 44W UNDERDR LAGGED ROLLER | 44" drive roller for underdrive |
| F | + | | | |
| | 1 | APC48005A | 48"UND/DR 1DR-LAG 1.44 INPUT | 48" drive roller for underdrive |
| G | 1 | APC50004 | 50W UND/DR ROLLER LAG 1.44 | 50" drive roller for underdrive |
| H all | 2 | APC60002 54JH11437C | 60" DR LAGGED 1.437 TELE BED SHAFTCOLLAR 1.4375 CFG #23S | 60" drive roller for underdrive |
| | 3 | 15E210A | SQMACH KEY 1/4X3+1/4 NOTAPER N | |
| all | <u> </u> | | | |
| all | 4 | W4 24340 | GEAR REDUCER SHAFT COVER-726/732 | |
| all | 6 | 04 20160D | UNDERDRIVE SUPP BRKT-LF | |
| all | 7 | 04 20160E | UNDERDRIVE SUPP BRKT-RT | |
| all | 8 | 04 20161B 04 20161C | TENSION ROLLER AD J BRKT-LF | |
| all | 9 | | TENSION ROLLER ADJ BRKT-RT | |
| all | 10 | 04 20161D | TENSION ROLLER BACKING PLATE | 04" 4 |
| A | 11 | 04 20165A | UNDERDRIVE TENSION ROLLER 24 | 24" tension roller |
| В | 11 | 04 20165 | UNDERDRIVE TENSION ROLLER 36 | 36" tension roller |
| C | 11 | 04 20165B | UNDERDRIVE TENSION ROLLER 40 | 40" tension roller |
| D | 11 | 04 20165E | UNDERDRIVE TENSION ROLLER 42W | 42" tension roller |
| <u>E</u> | 11 | X4 24584 | UNDERDRIVE TENSION ROLLER 44W | 44" tension roller |
| F | 11 | 04 20165C | UNDERDRIVE TENSION ROLLER 48 | 48" tension roller |
| G | 11 | X4 21976 | UNDERDRIVE TENSION ROLLER-50W | 50" tension roller |
| <u>H</u> | 11 | 04 20165D | UNDERDRIVE TENSION ROLLER 60 | 60" tension roller |
| <u>A</u> | 12 | 04 20298C | BELT GUARD FOR 24"CONVEYOR | |
| В | 12 | 04 20298A | BELT GUARD FOR 36 CONVEYOR | |
| C | 12 | 04 20298B | BELT GUARD FOR 40"CONVEYOR | |
| <u>D</u> | 12 | 04 20298E | BELT GUARD FOR 42"UNDERDRV | |
| E | 12 | 04 24585 | BELT GUARD = 44W UNDERDRIVE | |
| F | 12 | 04 20298 | BELT GUARD FOR 48"CONVEYOR | |
| G | 12 | 04 21977 | UNDERDRV BELT GUARD-50W | |

4 of 4

Flat Belt Conveyors: CONVEY24/36/40/42/44/48/50/60

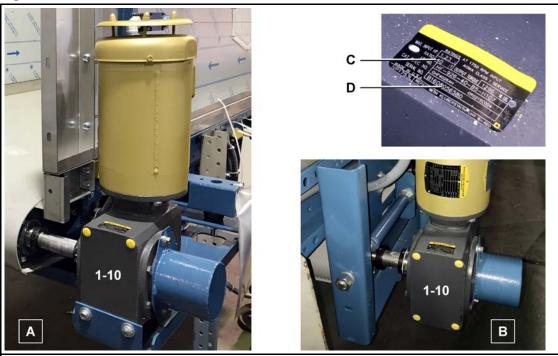
Parts List—Underdrive Assemblies (cont'd.)

| Find the as | Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations. | | | | | | | |
|-------------|---|-------------|---------------------------------------|----------|--|--|--|--|
| Used In | Item | Part Number | Description/Nomenclature | Comments | | | | |
| Н | 12 | 04 20298D | BELT GUARD FOR 60"CONVEYOR | | | | | |
| all | 13 | 54M010 | GRSFIT 1/4-28NF90 ALEMITE1911B | | | | | |
| all | 14 | 54AF1437 | FLGEBRG.HUBCITY 3-BOLT FB150URX1-7/16 | | | | | |
| all | 15 | 56F1H2CSWC | FLG BRG=1.438 B.D.+COLLAR | | | | | |
| all | 16 | W4 24377 | TIE ROD=UNDERDRIVE BELT ADJ | | | | | |
| all | 17 | 04 20164T | UNDERDRIVE TORQ.ARM=RT #726 | | | | | |
| all | 18 | 04 20164D | TORQARM ANGLE-UNDERDR SIZE 726 | | | | | |
| all | 19 | 60B065 | RUBBER MNT CTR BONDED 40 DURO | | | | | |
| all | 20 | 04 20796 | SLEEVE=TORQUE ARM BUSHING | | | | | |
| all | 21 | 02 18571A | PISTON ROD WASHER25"TK | | | | | |
| all | 22 | 15U312 | HARD FWASH 3/4ODX33/64IDX.115 | | | | | |
| all | 23 | 15K144C | HEXCAPSCR 7/16-14UNC X 2.5 GR | | | | | |
| all | 24 | 15G222 | HXFINJAMNUT 7/16-14UNC2B ZINC | | | | | |
| all | 25 | 15U271 | LOKWASH INTOOTH 7/16ZN | | | | | |
| all | 26 | 15G222C | HEXNUT 7/16-14UNC2B ZINC GR2 | | | | | |
| all | 27 | 15K095 | HXCPSCR 3/8-16UNC2AX1 GR5 ZINC | | | | | |
| all | 28 | 15U240 | FLATWASHER(USS STD) 3/8" ZNC P | | | | | |
| all | 29 | 15U255 | LOCKWASHER MEDIUM 3/8 ZINCPL | | | | | |
| all | 30 | 15G205 | HXNUT 3/8-16UNC2B ZINC GR2 | | | | | |
| all | 31 | 15A012 | CARBOLT 3/8-16UNC2AX1+1/4 ZNC | | | | | |
| all | 32 | 15G198 | HXFLGNUT 3/8-16 ZINC | | | | | |
| all | 33 | 15A063 | CARBOLT 1/2-13UNC2X1.50 ZINC G | | | | | |
| all | 34 | 15G222B | HEXFLGNUT 1/2-13 ZINC SERRATED | | | | | |
| all | 35 | 15K162 | HXCAPSCR 1/2-13UNC2AX1.5 GR5 P | | | | | |
| all | 36 | 15K128 | HEXFLGSCR 1/2-13X1 ZN. GRD. 5 | | | | | |
| all | 37 | 15U286 | FLATWASHER 2"0DX17/32"IDX1/4" | | | | | |
| all | 39 | 17R026A10A | MCS BEARING CARRIER STUD 10" | | | | | |
| all | 40 | 15U320 | FLATWASHER(USS STD) 3/4" UNPLT | | | | | |
| all | 41 | 15G240 | HXNUT 3/4-10UNC2B SAE ZINC GR2 | | | | | |
| all | 42 | 15U340 | LOCKWASH MEDIUM 3/4 ZINCPL | | | | | |
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Gear Reducers 1 of 1

BPVAUN03.R01 0000176245 A.6 4/25/18 10:26 AM In Work

Figure 1.



- Legend
- **A.** Gear reducer used on end drive
- **B.** Gear reducer used on under-drive
- C. Supply parts department with gear reducer ratio, an example shown here.
- **D.** Supply parts department with gear reducer serial number, an example shown here.

Table 1 Parts List—

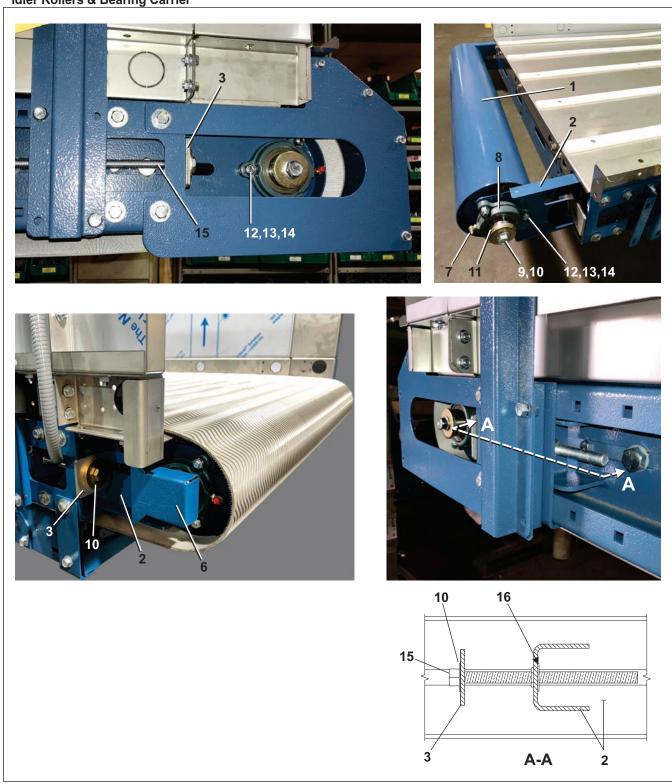
| Find the as | Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this etter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations. | | | | | | | | |
|-------------|--|-------------|---|-----------------|--|--|--|--|--|
| Used In | Item | Part Number | Description/Nomenclature | Comments | | | | | |
| | Assemblies | | | | | | | | |
| | | | none | | | | | | |
| | | | Components | | | | | | |
| all | 1 | 54STB32625 | 54STB32625 REDUCER 25:1 SF726-25T-B5-G | #726 RATIO 25:1 | | | | | |
| all | 2 | 54STB32630 | 54STB32630 REDUCER 30:1 SF726-30T-B5-G | #726 RATIO 30:1 | | | | | |
| all | 3 | 54STB32640 | 54STB32640 REDUCER 40:1 SF726-40T-B5-G | #726 RATIO 40:1 | | | | | |
| all | 4 | 54STB32650 | 54STB32650 REDUCER 50:1 SF726-50T-B5-G | #726 RATIO 50:1 | | | | | |
| all | 5 | 54STB32660 | 54STB32660 REDUCER 60:1 SF726-60T-B5-G | #726 RATIO 60:1 | | | | | |
| all | 6 | 54STB33225 | 54STB33225 REDUCER 25:1 SF732-25T-B7-G | #732 RATIO 25:1 | | | | | |
| all | 7 | 54STB3323A | 54STB3323A REDUCER + 7/8-5/8 IN-ADAPTER | #732 RATIO 30:1 | | | | | |
| all | 8 | 54STB3324A | 54STB3324A REDUCER + 7/8-5/8 IN-ADAPTER | #732 RATIO 40:1 | | | | | |
| all | 9 | 54STB3325A | 54STB3325A REDUCER + 7/8-5/8 IN-ADAPTER | #732 RATIO 50:1 | | | | | |
| all | 10 | 54STB3326A | 54STB3326A REDUCER + 7/8-5/8 IN-ADAPTER | #732 RATIO 60:1 | | | | | |

BMP220013/2023103A Page (1 / 2)

Idler Rollers 42 Inch Wide

CONVEY40, CONVEY42, CONVEY44, CONVEY46, CONVEY48, CONVEY50

Idler Rollers & Bearing Carrier



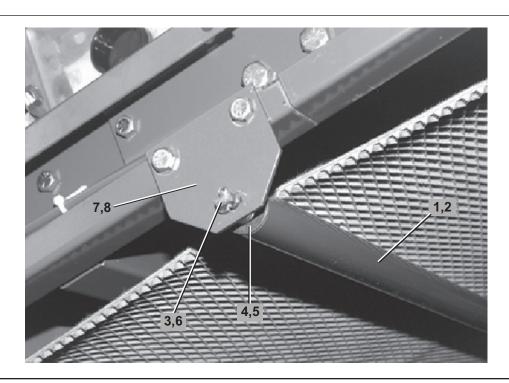
Idler Rollers 42 Inch Wide

Parts List

| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|---------------------------------|----------|
| | | | COMPONENTS | |
| all | 1 | X4 22441 | ROLLER 6X42W IDLER MACH | |
| all | 2 | W4 22389 | BRNGCARR WLMT-LOADEND TRACKING | |
| all | 3 | 04 22392 | BRG CARRIER ADJUSTING BKT | |
| all | 4 | 04 20023A | MCS MOD CONN BKT RIGHT END | |
| all | 5 | 04 20023B | MCS MOD CONN BKT LEFT END | |
| all | 6 | 04 23772 | CONVEY ROLLER BRNG COVER | |
| all | 7 | 54M010 | GRSFIT 1/4-28NF90 ALEMITE1911B | |
| all | 8 | 54AF1437 | FLGEBRG.HUBCITY 3-BOLT | |
| all | 9 | 15K128 | HEXFLGSCR 1/2-13X1 ZN. GRD. 5 | |
| all | 10 | 15U286 | FLATWASHER 2"0DX17/32"IDX1/4" | |
| all | 11 | 15U202 | FLATWSHR.50ID1.75OD11GA ZNC | |
| all | 12 | 15A021 | CARRBOLT 3/8-16 X1.5 ZNC GR 5 | |
| all | 13 | 15G205 | HXNUT 3/8-16UNC2B ZINC GR2 | |
| all | 14 | 15U255 | LOCKWASHER MEDIUM 3/8 ZINCPL | |
| all | 15 | 15D122C | HEXTAPSCR 1/2-13UNC X 8.5 FLTHD | |
| all | 16 | 15G222B | HEXFLGNUT 1/2-13 ZINC SERRATED | |
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1.5 Inch Idler Roller



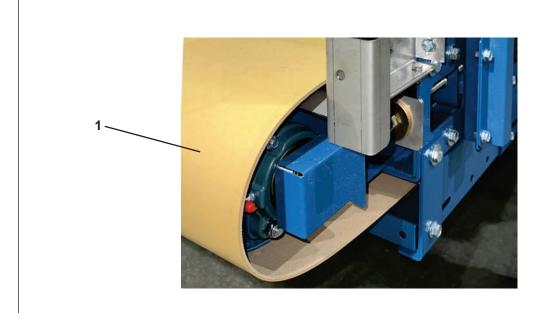
Parts List

| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|-------------------------------|--------------------------------|
| all | 1 | AIC42005 | MCS 42W IDLER ASSY | ASSEMBLY CONTAINS ITEMS 2-8 |
| all | 2 | 04 20035D | MCS 42" IDLER ROLLER | |
| all | 3 | 04 20034D | MCS 45" IDLER SHAFT | |
| all | 4 | 54A712 | FLGBR 1/2"ID SCHATZ# AF3236 | |
| all | 5 | 15U312 | HARD FWASH 3/4ODX33/64IDX.115 | |
| all | 6 | 15H040 | STDCOTTERPIN 1/8X3/4 ZINCPL | |
| all | 7 | 04 20032 | MCS IDLER BKT RIGHT | |
| all | 8 | 04 20033 | MCS IDLER BKT LEFT | |
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BMP220020/2022535A Page (1 / 1)

Belt

CONVEY44



Parts List

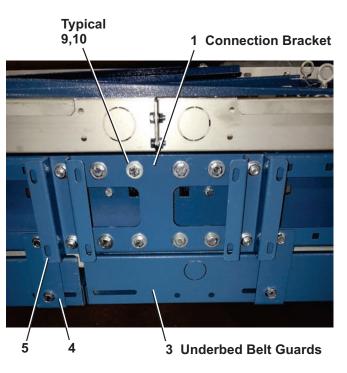
| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|-----------------------------|------------|
| | | | COMPONENTS | |
| all | 1 | 54C440B | BELT 44"W SMTH FLAT TOP-TAN | SMOOTH TAN |
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BMP180005/2021336A Page (1 / 5)

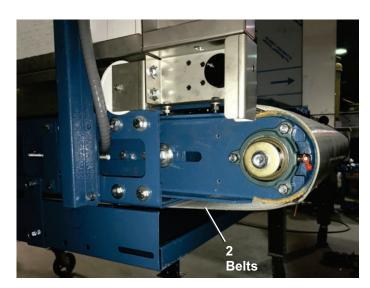
Conveyor Components

CONVEY24, CONVEY36, CONVEY40, CONVEY42, CONVEY44, CONVEY48, CONVEY50, CONVEY60







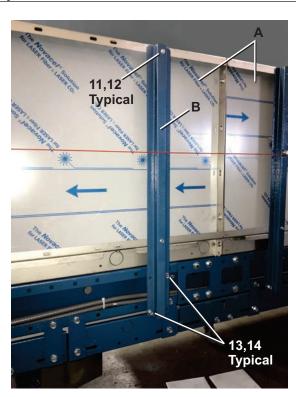


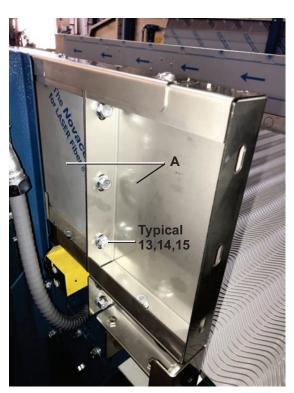
BMP180005/2021336A Page (2 / 5)

Conveyor Components

CONVEY24, CONVEY36, CONVEY40, CONVEY42, CONVEY44, CONVEY48, CONVEY50, CONVEY60

Conveyor Flat Side Panels





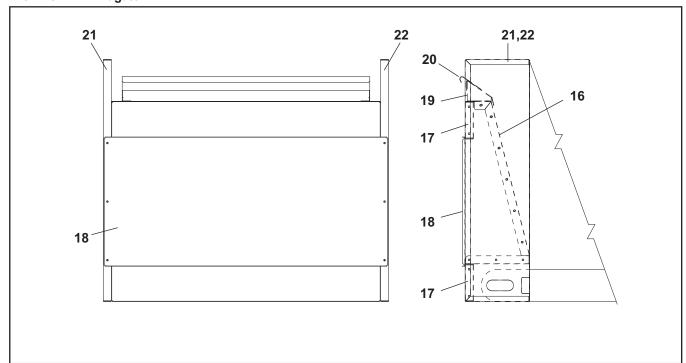
| A. Flat Side Member Panels | | | | | | | | | | |
|---|------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| HEIGHT - Total Height of Side Panels | | | | | | | | | | |
| | | 9" | 12" | 18" | 21" | 24" | 27" | 30" | 36" | 48" |
| | 18" | 04-20047 | 04-20047A | 04-20047B | 04-20047C | 04-20047D | 04-20047 + | 04-20047A+ | 04-20047B+ | 04-20047D+ |
| anels | | | | | | | 04-20047B | 04-20047B | 04-20047B | 04-20047D |
| an | | | | | | | 04-20014A+ | 04-20014B+ | 04-20014C+ | 04-20014E+ |
| l - Individual Side P | 24" | 04-20014A | 04-20014B | 04-20014C | 04-20014D | 04-20014E | 04-20014C | 04-20014C | 04-20014C | 04-20014E |
| | | | | | | | 04-20012 + | 04-20015 + | 04-20646 + | 04-20017E+ |
| | 48" | 04-20012 | 04-20015 | 04-20646 | 04-20017B | 04-20017E | 04-20012 | 04-20646 | 04-20646 | 04-20017E |
| | | | | | | | 04-20012A+ | 04-20015A+ | 04-20015B+ | 04-20015D+ |
| | 60" | 04-20012A | 04-20015A | 04-20015B | 04-20015C | 04-20015D | 04-20015B | 04-20015B | 04-20015B | 04-20015D |
| | | | | | | | 04-20013+ | 04-20016+ | 04-200645+ | 04-20017F+ |
| LENGTH | 84" | 04-20013 | 04-20016 | 04-200645 | 04-20017C | 04-20017F | 04-20645 | 04-200645 | 04-200645 | 04-20017F |
| ı | | | | | | | 04-20014+ | 04-20017+ | 04-200644+ | 04-20017G+ |
| | 108" | 04-20014 | 04-20017 | 04-200644 | 04-20017D | 04-20017G | 04-20644 | 04-200644 | 04-200644 | 04-20017G |
| B . Flat Side Support Brackets | | | | | | | | | | |
| 04-20018A 04-20019A 04-20074A 04-20020A 04-20075A 04-23735 04-23735D 04-25735 04-26 | | | | | | | | 04-20075E | | |

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Conveyor Components

CONVEY24, CONVEY36, CONVEY40, CONVEY42, CONVEY44, CONVEY48, CONVEY50, CONVEY60

48" NODRY Endgate



Parts List

| Used In | Item | Part Number | Description | Comments |
|------------------|--------------------------------------|--|--|----------|
| | | | ASSEMBLIES | |
| | A B C D E F G H | | 24" WIDE CONVEYORS 36" WIDE CONVEYORS 40" WIDE CONVEYORS 42" WIDE CONVEYORS 44" WIDE CONVEYORS 48" WIDE CONVEYORS 50" WIDE CONVEYORS 60" WIDE CONVEYORS | |
| all | 1 | 04 20023 | MCS MOD SECTION CONN BKT | |
| A A | 2 2 | 54C240B 54C241C | BELT 24" X NNN" 100 TAN WEDGRIP/BARE BELT 24" X 50' SMTH TOP FLAT CONV | |
| B B B B | 2 2 2 2 | 54C360B 54C361D 54C360GRY 54C360G | BELT 36" X NNN" 100 TAN WEDGRIP/BARE BELT 36"BLACK SMTHTOP FLAT CONV BELT 36" X 250' GREY WEDGRIP/BARE BELT 36" X 250' SMTH TOP FLAT-GREY | |
| C C C | 2 2 2 2 | 54C401 54C402B 54C401GR 54C401GV | BELT 40" X 250' GRAY WDGEGRIP/BARE BELT 40" X 150' LACED SMTH TOP FLAT CONV BELT 40" X 250' SMTH TOP FLAT- GREY BELT 40" X 100' GREY WDGGRIP W/VGUIDE | |
| D | 2 | 54C420B | BELT 42" X NNN" SMTH TOP FLAT-TAN | |

BMP180005/2021336A Page (5 / 5)

Conveyor Components

CONVEY24, CONVEY36, CONVEY40, CONVEY42, CONVEY44, CONVEY48, CONVEY50, CONVEY60

Parts List

| Used In | Item | Part Number | Description | Comments |
|-----------------------|---|--|---|----------|
| all | 4 | 04 20563 | UNDERBELT COVER MTG BRKT | |
| all | 5 | 04 20021D | CONLO/CONWA SIDE SUPP BRKT | |
| all | 6 | 04 20185 | ENDGATE 44W X 24H SS | |
| all | 7 | ALC420241B | IDLER ROLLER GUARD ASSY-42W | |
| C D E F G | 8 8 8 8 | AIC40001 AIC42005 AIC44001 AIC46001 AIC48001 | *MCS 40"IDLER ASSY MCS 42W IDLER ASSY MCS 44W IDLER ASSY MCS 46" IDLER ASSY *MCS 48" IDLER ASSY | |
| all all | 9 | 15K091H 15G198 | HEXFLGSCR 3/8-16X3/4 ZN GRD.5 HXFLGNUT 3/8-16 ZINC | |
| all all | 11 12 | 04 21899 15P149 | CONV SIDE SUPPORT CLAMP 1/4-14X3/4 SCRSELFDRIL+TAP ZC | |
| all all all | 13 14 15 | 15K060 15G196 15U200 | HXCAPSCR 5/16-18UNCAX3/4 GR5 Z HXFLGNUT 5/16-18 ZINC FLATWASHER(USS STD) 5/16"ZNC P | |
| F | 16 | 04 22002 | ENDGATE 48W-NODRY-MOD | |
| F | 17 | 04 22003 | BRACE-NODRY MOD | |
| F | 18 | 04 22004 | ENDGATE COVER-NODRY MOD | |
| F | 19 | 04 22005 | LOADSHELF-48W NODRY ENDGATE | |
| F | 20 | 07 50125 | DRYER DOOR SHELF EXTENDER | |
| F | 21 | 04 22001 | SIDE RT 12X45-NODRY MOD | |
| F | 22 | 04 22001A | SIDE LF 12X45-NODRY MOD | |
| B C D E F G H | 23B 23C 23D 23E 23F 23G 23H | 04 23603 04 23604 04 23605 04 24586 04 23606 04 23607 04 23608 | BELT SUPPORT ROLL COVER-36W BELT SUPPORT ROLL COVER-40W BELT SUPPORT ROLL COVER-42W BELT SUPPORT ROLL COVER-44W BELT SUPPORT ROLL COVER-48W BELT SUPPORT ROLL COVER-50W BELT SUPPORT ROLL COVER-60W | |
| | | | | |

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Conveyor Components

CONVEY24, CONVEY36, CONVEY40, CONVEY42, CONVEY44, CONVEY48, CONVEY50, CONVEY60

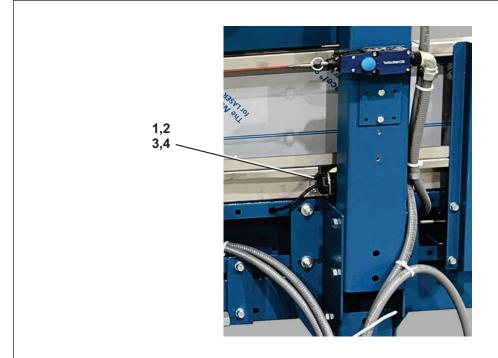
Parts List

| Used In | Item | Part Number | Description | Comments |
|-------------------|--------------------------|--|---|----------|
| D | 2 | 54C420GV | BELT 42" X 200' GREY WDGEGRIP W/VGUIDE | |
| D | 2 | 54C420G | BELT 42" X 300' SMTH TOP FLAT BLACK | |
| D | 2 | 54C420GRY | BELT 42" X 250' GREY WDGEGRIP/BARE | |
| E E | 2 2 | 54C440A 54C440 | BELT 44"X100' ROUGH TOP-GREY BELT 44"X100' SMTH TOP-GREY | |
| F F F | 2 2 2 2 | 54C480B 54C481C 54C480GRY 54C480G | BELT 48" X NNN" 100 TAN WDGEGRIP/BARE BELT 48" X NNN" SMTH FLAT TOP CONV BELT 48" X 250' GREY WDGEGRIP/BARE BELT 48" X 250' SMTH TOP FLAT-GREY | |
| G | 2 | 54C500SF | BELT 51" X CUT-TO-ORDER SMOOTH TOP FLAT-GREY | |
| G | 2 | 54C500B | BELT 51" X 100' GREY WDGGRIP/BARE | |
| G | 2 | 54C500V | BELT 51" X 100' GREY WDGGRIP W/VGUIDE | |
| Н | 2 | 54C601 | BELT 60" X NNN" TAN WDGEGRIP/BARE | |
| Н | 2 | 54C600G | BELT 60" X CUT-TO-ORDER SMTH TOP FLAT-GREY | |
| Н | 2 | 54C600GRY | BELT 60" X CUT-TO-ORDER GREY WDGEGRIP/BARE | |
| all | 3AA | 04 24284 | UNDERBELT COVER 24W X 12LG | |
| all | 3AB | 04 20542 | UNDERBELT COVER 24W X 15LG | |
| all | 3AC | 04 20543 | UNDERBELT COVER 24W X 48LG | |
| all | 3BA | 04 24285 | UNDERBELT COVER 36W X 12LG | |
| all | 3BB | 04 23609 | UNDERBELT COVER 36W X 15LG | |
| all | 3BC | 04 20547 | UNDERBELT COVER 36W X 24LG | |
| all | 3BD | 04 20549 | UNDERBELT COVER 36W X 48LG | |
| all all all | 3CA 3CB 3CC 3CD | 04 24286 04 23610 04 20551 04 20553 | UNDERBELT COVER 40W X 12LG UNDERBELT COVER 40W X 15LG UNDERBELT COVER 40W X 24LG UNDERBELT COVER 40W X 48LG | |
| all | 3DA | 04 24287 | UNDERBELT COVER 42W X 12LG | |
| all | 3DB | 04 23611 | UNDERBELT COVER 42W X 15LG | |
| all | 3DC | 04 23450 | UNDERBELT COVER 42W X 24LG | |
| all | 3DD | 04 20544 | UNDERBELT COVER 42W X 48LG | |
| all | 3EA | 04 24587 | UNDERBELT COVER 44WX 12"LG | |
| all | 3EB | 04 24588 | UNDERBELT COVER 44WX 15"LG | |
| all | 3EC | 04 24589 | UNDERBELT COVER 44WX 24"LG | |
| all | 3ED | 04 24590 | UNDERBELT COVER 44WX 48"LG | |
| all | 3FA | 04 24288 | UNDERBELT COVER 48W X 12LG | |
| all | 3FB | 04 23612 | UNDERBELT COVER 48W X 15LG | |
| all | 3FC | 04 20555 | UNDERBELT COVER 48W X 24LG | |
| all | 3FD | 04 20557 | UNDERBELT COVER 48W X 48LG | |
| all all all | 3GA 3GB 3GC 3GD | 04 24289 04 23613 04 23445 04 20545 | UNDERBELT COVER 50W X 12LG UNDERBELT COVER 50W X 15LG UNDERBELT COVER 50W X 24LG UNDERBELT COVER 50W X 48LG | |
| all all all | 3HA 3HB 3HC 3HD | 04 24290 04 23614 04 20559 04 20561 | UNDERBELT COVER 60W X 12LG UNDERBELT COVER 60W X 15LG UNDERBELT COVER 60W X 24LG UNDERBELT COVER 60W X 48LG | |

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Photoeyes

CONVEY44



Parts List

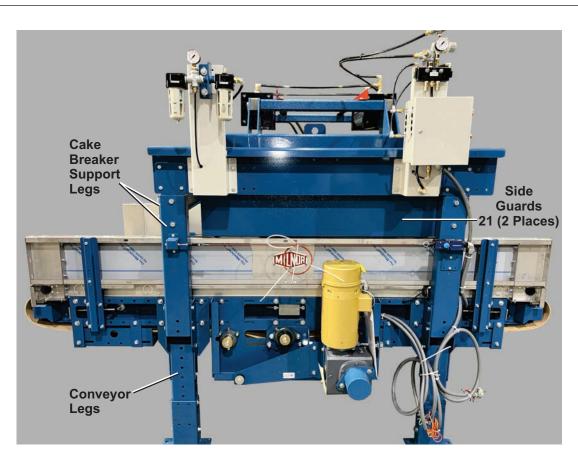
| Used In | Item | Part Number | Description | Comments |
|---------|------|-------------|------------------------------|----------|
| | | | COMPONENTS | |
| all | 1 | 09RPE011 | PHOTOEYE VALU-BEAM 10-30DC | |
| all | 2 | 03 BL1X2V | BRKT:Q40 SERIES PHOTOEYE MNT | |
| all | 3 | 09RPE001A | REFLECTOR 3"DIA CLEAR | |
| all | 4 | 04 20124 | MCS TARGET DISC BRKT. | |
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Cake Breaker

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Cake Breaker

CONVEY44

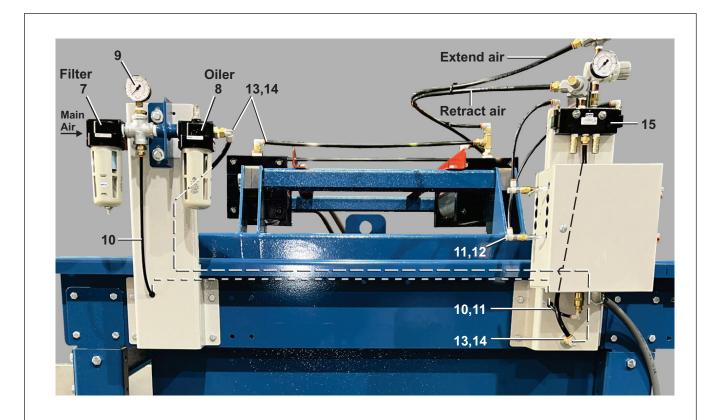


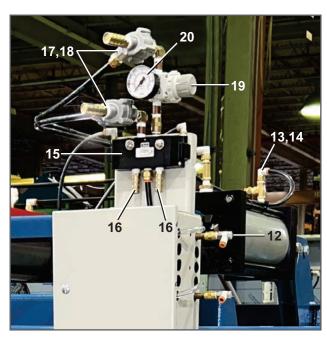


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Cake Breaker

CONVEY44





Cake Breaker

CONVEY44

Parts Lis

| Item | Part Number | Description | Comments |
|------|---|---|---|
| | | REFERENCE ASSEMBLIES | |
| Α | ALC44005 | CAKE BREAKER 44W ASSY | |
| В | ALC420094 | AIR CYL LUBRICATOR ASSY | |
| | | COMPONENTS | |
| 1 | X4 24612 | BALL BUSHING BLOCK B22-L | |
| 2 | 54A704 | BALLBUSHING 1+3/8" NO SEALS-SKF#GEZ-106-ES | |
| 3 | 17B182 | INTRETRING 2+3/16 ENDRIES#QGCG | |
| 4 | 27C612 | AIRCYL 6"BOREX12"STK 1-14THD CLEVIS MNT | |
| 5 | 17A066 | ROD CLEVIS 1"-14 X 3-1/8 ZINC | |
| 6 | 17A101 | CLEVIS PIN 1"X3+1/2"DRILLED ZI | |
| 7 | 30N601 | 1/2"AIRLINE FILTER FABCO MODEL##FA4-F4PM | |
| 8 | 30N600C | 1/2"AIRLINE LUBE FA4-L4P W/ MTG BRKT | |
| 9 | 30N102 | PRESSGAUGE 1/4BOTCON.0-150PSI | |
| 10 | 60E004NT | TUBING (NYL.)CLR.1/4"ODX1/8" | |
| 11 | 96PVQC18249 | QUICK CONNECT 1/8" NPT X 1/4" TUBING 90 | |
| 12 | 96PVQC18249F | QUICK CONNECT 1/8" NPT X 1/4" TUBING 90 FLOW CO | NTROL |
| 13 | 60E005B | TUBING NYL.3/8"OD X.275"ID | |
| 14 | 96PVQC24389 | QUICK CONNECT 1/4"" NPT X 3/8" TUBING 90 | |
| 15 | 96N0013HU | SHUTLVLV 1/4"4WAY CENTER-OFF | |
| 16 | 27A005A | MUFFLER 1/4"ALLIED B-28 BANTAM | |
| 17 | 96M055 | DELTROL QUICK EXHAUST VLV.1/4" | |
| 18 | 27A005 | MUFFLER 3/8" BANTAM B38 | |
| 19 | 96J019E | 1/4" REG 7-100 PSI #AR20-N02H-Z-A | |
| 20 | 30N101 | PRESSGAUGE 1/8"BACKCN.0-60PSI | |
| 21 | 04 24645 | CAKE BREAKER SIDE GUARD | |
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| | A B 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | A ALC44005 B ALC420094 1 X4 24612 2 54A704 3 17B182 4 27C612 5 17A066 6 17A101 7 30N601 8 30N600C 9 30N102 10 60E004NT 11 96PVQC18249 12 96PVQC18249F 13 60E005B 14 96PVQC24389 15 96N0013HU 16 27A005A 17 96M055 18 27A005 19 96J019E 20 30N101 | REFERENCE ASSEMBLIES A ALC44005 CAKE BREAKER 44W ASSY B ALC420094 AIR CYL LUBRICATOR ASSY COMPONENTS 1 X4 24612 BALL BUSHING BLOCK B22-L 2 54A704 BALLBUSHING 1+3/8" NO SEALS-SKF#GEZ-106-ES 3 17B182 INTRETRING 2+3/16 ENDRIES#QGCG 4 27C612 AIRCYL 6"BOREX12"STK 1-14THD CLEVIS MNT 5 17A066 ROD CLEVIS 1"-14 X 3-1/8 ZINC 6 17A101 CLEVIS PIN 1"X3+1/2"DRILLED ZI 7 30N601 1/2"AIRLINE FILTER FABCO MODEL##FA4-F4PM 8 30N600C 1/2"AIRLINE LUBE FA4-L4P W/ MTG BRKT 9 30N102 PRESSGAUGE 1/4BOTCON.0-150PSI 10 60E004NT TUBING (NYL.)CLR.1/4"ODX1/8" 11 96PVQC18249 QUICK CONNECT 1/8" NPT X 1/4" TUBING 90 12 96PVQC18249F QUICK CONNECT 1/8" NPT X 1/4" TUBING 90 FLOW CO 13 60E005B TUBING NYL.3/8"OD X.275"ID 14 96PVQC24389 QUICK CONNECT 1/4"" NPT X 3/8" TUBING 90 15 96N0013HU SHUTLVLV 1/4"4WAY CENTER-OFF 16 27A005A MUFFLER 1/4"ALLIED B-28 BANTAM 17 96M055 DELTROL QUICK EXHAUST VLV.1/4" 18 27A005 MUFFLER 3/8" BANTAM B38 19 96J019E 1/4" REG 7-100 PSI #AR20-N02H-Z-A 20 30N101 PRESSGAUGE 1/8"BACKCN.0-60PSI |