Pallet Dismantler

Safety, Operation,
Maintenance, & Parts Manual

Electric Center Drop Table Models rev. A2.09
PD200ECDT

Safety is our #1 concern!

Form # 2687

Models Effected:

PD200A10-CU
PD200A10-CUW72

PD200B10-CU
PD200B10-CU-HS
PD200B10-CUW72

PD200C10-CU
PD200C10-CU-HS
PD200C10-CUW72
PD200C10-CUW72-HS

PD200H10-CS
PD200H10-CSW72

PD200K10-CU

WARNING! Read and understand this manual before using this machine.

California

Proposition 65 Warning

WARNING: Breathing gas/diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always start and operate the engine in a well-ventilated area.
If in an enclosed area, vent the exhaust to the outside.
Do not modify or tamper with the exhaust system.
Do not idle the engine except as necessary.

For more information go to **www.P65warnings.ca.gov**.

WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

For more information go to **www.P65Warnings.ca.gov/wood**.

Active Patents assigned to Wood-Mizer, LLC

Wood-Mizer, LLC has received patents that protect our inventions which are a result of a dedication to research, innovation, development, and design. Learn more at: *woodmizer.com/patents*

Wood-Mizer, LLC
8180 West 10th Street
Indianapolis, Indiana 46214

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Wood-Mizer® LLC
Limited Product Warranty

Wood-Mizer

Wood-Mizer LLC ("Warrantor"), an Indiana corporation with its principal place of business at 8180 West Tenth Street, Indianapolis, IN 46214-2400 USA, warrants to the purchaser ("Purchaser") that for the time periods specifically stated herein and subject to the terms, conditions and limitations stated herein, the equipment manufactured by the Warrantor will be free from defects in material and workmanship attributable to Warrantor so long as, during the warranty periods stated herein, the equipment is installed, operated and maintained in accordance with the instructions provided by Warrantor.

PRODUCT	MODEL CLASS	LENGTH OF WARRANTY		EFFECTIVE DATE
		USA & CANADA	NON USA & CANADA	
Portable Sawmills, Resaws, Edgers	LT, LX, HR, EG	Two years	One year	Date of purchase
Portable Sawmills with Chassis	LT28, LT35, LT40, LT50, LT70, LX450	Two years, excluding the chassis, which chassis shall have a five year warranty	One year	
Industrial Sawmills, Resaws, Edgers	WM, HR, EG, TVS, SVS	One year	One year	Date of purchase or date of installation / training (if applicable), whichever occurs first, not to exceed 6 months from date of purchase
TITAN Industrial	WB, TV, HR, EG, EA, MR	One year	One year	
Material Handling	TWC, IC, TD, LD, GC, CR, CB, CC	One year	One year	
Blade Maintenance Equipment	BMS, BMT, BMST	One year	One year	Date of purchase
Options and Accessories	Various	One year*	One year*	
Moulders, Extractors	MP, MD	Two years	One year	
Kilns	KS, KD	One year	One year	
Slab Flattener	MB	Two years	One year	
Pallet Equipment	PD, PC	One year	One year	
Log Splitters	FS	One year	One year	
Replacement Parts	Various	90 days	90 days	

* Warranty on Options will match the warranty on the primary equipment when purchased on same invoice.

Exclusions from 90 Day, Limited One Year and Two Year Warranty

Warrantor shall have **no** responsibility under this warranty for any wear components, including, but not limited to: belts, blade guides, blades, electric motor brushes, drum switches, filters, fuses, hoses, bearings (excluding cylindrical drive bearings), bushings, cable carriers, and spark plugs. All wear components are furnished **"as is"**, without any warranty from Warrantor. This limited warranty does not cover any defects caused by misuse, negligence, alterations, damage due to overload, abnormal conditions, excessive operation, accident, or lack of performance of normal maintenance services.

Several components which are used in the manufacture of the equipment but not manufactured by Warrantor such as cant hooks, power plants, laser sights, batteries, tires, and trailer axles have warranties provided by the original equipment manufacturer (written copies available upon request). Warrantor does not separately warrant such items. Components or equipment manufactured by third parties are not covered by this warranty. Warrantor, however, will provide reasonable assistance to the Purchaser to make claims against any warranties applicable to such component parts as provided by such original equipment manufacturers. Components or equipment manufactured by third parties are not covered by this Warranty.

Five Year Limited Chassis Warranty

The limited five year chassis warranty described above, DOES NOT extend to (a) any damage stemming from accident, improper towing, overload, abuse, misuse, abnormal conditions, negligence, excessive operation, or lack of maintenance, (b) rust caused by exposure to corrosive atmospheric conditions, or (c) the sawmill head, carriage, axle, brakes, or any hydraulic or electrical components attached to the chassis.

Warrantor's Obligations as To Defects

In the event that the equipment fails to perform due to defective materials or workmanship attributable to Warrantor under normal use and service within the established warranty period, Purchaser's sole and exclusive remedy and Warrantor's sole liability shall be to replace or repair, in Warrantor's sole and subjective discretion, any defective part at Warrantor's principal place of business without cost to the Purchaser if such defect exists. The determination of whether a product is defective shall be made by Warrantor in Warrantor's sole and subjective discretion. The Purchaser must notify Warrantor prior to shipping any defective part. Warrantor, at its sole discretion, may cover expenses incurred in shipping the defective part to Warrantor for evaluation; provided, however, that Warrantor will not be responsible for labor, travel time, mileage, removal, installation or incidental or consequential damages. However, any part in excess of 140 pounds must be returned by the Purchaser, to the Warrantor's nearest authorized facility at the Purchaser's expense, if return is requested by Warrantor. Warrantor shall have a reasonable time within which to replace or repair the defective part. If Warrantor determines that the product is not defective under the terms of this warranty in Warrantor's sole and subjective discretion, then Purchaser shall be responsible for any expenses incurred by Warrantor in returning the equipment to the Purchaser.

Limitations and Disclaimers of Other Warranties

EXCEPT FOR THE EXPRESS WARRANTY PROVISIONS STATED ABOVE, WARRANTOR DISCLAIMS ALL WARRANTIES, EXPRESS AND/OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT AND TITLE. No representation or other affirmation of fact by representatives of Warrantor, whether verbal or in writing, including photographs, brochures, samples, models, or other sales aids, shall constitute a warranty or other basis for any legal action against Warrantor. There are no other representations, promises, agreements, covenants, warranties, guarantees, stipulations or conditions, express or implied, by Warrantor except as expressly set forth herein. THE ORIGINAL PURCHASER AND ANY INTENDED USER OR BENEFICIARY OF THIS EQUIPMENT, SHALL NOT BE ENTITLED TO RECOVER ANY INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY, CONSEQUENTIAL, SPECIAL, OR INCIDENTIAL DAMAGES OR LOSES, INCLUDING BUT NOT LIMITED TO, DAMAGES OF LOST PRODUCTION, LOST REVENUE, LOST PRODUCT, LOST PROFITS, LOST BUSINESS, LOSS OF USE, LOSS OF GOODWILL, OR BUSINESS INTERRUPTION, FROM WARRANTOR FOR ANY REASON WHATSOEVER INCLUDING WITHOUT LIMITATION WARRANTY OR DEFECT IN THE PRODUCT REGARDLESS OF THE SOLE, JOINT AND/OR CONCURRENT NEGLIGENCE, BREACH OF CONTRACT, BREACH OF WARRANTY, STRICT LIABILITY IN TORT OR STATUTORY CLAIMS OR OTHER LEGAL FAULT OR RESPONSIBILITY OF EITHER WARRANTOR OR PURCHASER OR ITS EMPLOYEES OR AGENTS. Warrantor does not warrant that its equipment meets or complies with the requirements of any particular safety code or governmental requirements.

Defective items replaced under the terms of this warranty become the property of Warrantor.

Design Changes

Warrantor reserves the right to change the design of its products from time to time without notice and without obligation to make corresponding changes in or to its products previously manufactured.

Rights of Purchasers

The validity and effect of this limited warranty as well as its interpretation, operation and effect, shall be determined exclusively by the principles of law and equity of the State of Indiana, USA. This limited warranty gives Purchaser specific legal rights. Purchaser may also have other rights, which may vary from state to state. Some states may not allow limitations as to the duration of implied warranties or to the exclusion or limitation of incidental or consequential damages, so some of the limitations and exclusions detailed set forth above may not apply. In the event that any one or more of the provisions of this warranty shall be or become invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions of this warranty shall not be affected thereby.

Interpretations

This Warranty constitutes the entire warranty agreement between Warrantor and Purchaser and supersedes any prior understandings or agreements pertaining to the same subject matter. This warranty cannot be amended except in writing which refers to this warranty which is signed by both Warrantor and Purchaser.

SECTION 1 Introduction

1.1 About this manual

Congratulations on your purchase of a Wood-Mizer Pallet Dismantler! When properly maintained and operated, your pallet dismantler should give you many years of dependable service.

CAUTION! Read this entire manual before operating the equipment. Take notice of all safety warnings throughout this manual and those posted on the equipment. Keep this manual with this equipment at all times, regardless of ownership.

Read all additional manufacturer's manuals and observe any applicable safety instructions including dangers, warnings, and cautions.

Only persons who have read and understood the entire operator's manual should operate the Wood-Mizer Pallet Dismantler. The pallet dismantler is not intended for use by or around children.

1.2 Specifications

Machine Dimensions:		
	Length:	10.5 ft (3.2 m), 11 ft, (3.35 m) 11.5 ft (3.50 m)
	Width:	5 ft (1.5 m),
	Height:	4 ft (1.2 m)
	Weight:	1,800 lbs (820 k)
Material Handling:		
	Standard (S)	60” (1.52 m)
	Wide (SW)	66” (1.68m)
	72 (S72)	72” (1.83m)
Power:		
	PD200A10	230v 1ph 10hp
	PD200B10	230v 3ph 10hp
	PD200C10	460v 3ph 10hp
Blade:		
	Top speed	2,200 fpm (670 m/min)
	Material	Bi-metal
	Size:	1-1/4” x 0.042 thick
	Life expectancy:	1,200 pallet or 3 days production
	Teeth:	5-8 variable teeth per inch
Air Pressure:		
	Min:	80 psi (5.6 Kg/cm)
	Max:	120 psi (8.4 Kg/cm)
Drive Wheels:		
	Hub size:	15”- 6 lugs x 5.5 bolt circle inch
	Tire size:	ST205/75D-15 bias ply only

SECTION 2 Genera l Safety

OWNER'S RESPONSIBILITY

NOTICE It is always the **owner's responsibility** to comply with all applicable safety instructions, as well as federal, state and local laws, rules and regulations regarding the ownership and operation equipment. All owners should be thoroughly familiar with all applicable safety instructions and laws and comply with them fully while using or transporting the equipment.

WARNING! Clean sawdust from all guards, vents, control boxes, or any area where sawdust may gather **after every shift**. Failure to do so may result in fire.

NOTE: ONLY safety instructions regarding **personal injury** are listed in this section. Safety instructions regarding only equipment damage appear where applicable throughout the manual.

2.1 Safety symbols

The following symbols and signal words call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.

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

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

CAUTION! refers to potentially hazardous situations which, if not avoided, may result in minor or moderate injury or damage to equipment.

NOTICE indicates vital information.

NOTE: gives helpful information.

OBSERVE SAFETY INSTRUCTIONS

NOTICE

- Keep children away from the area.
- Read the entire operator's manual before operating the equipment.
- Take notice of all safety warnings throughout this manual and those posted on the machine.
- Keep this manual with this machine at all times, regardless of ownership.
- Read all additional manufacturer's manuals.
- Obey all applicable safety instructions including dangers, warnings, and cautions.
- Only persons who have read and understood the entire operator's manual should operate the equipment.

WEAR SAFETY CLOTHING

WARNING! Secure all loose clothing and jewelry before operating the equipment.

Always wear hand, eye, ear, and foot protection when operating or servicing the equipment.

EQUIPMENT SETUP

DANGER! Do not operate the equipment without all covers and guards in place.

WARNING! Set up the equipment on solid, level ground.

Check that the tire pressures are between 50-55 psi.

KEEP HANDS AWAY

DANGER! Keep hands 12" away from the blade.

Remove power before clearing debris or any other maintenance activity.

WARNING! Avoid contact with any hot parts (engines or motors).

Allow the system to cool sufficiently before beginning any service function, including debris removal.

Avoid contact with sharp edges of the cutting blade.

KEEP EQUIPMENT AND AREA AROUND EQUIPMENT CLEAN

DANGER! Maintain a clean and clear path for all necessary movement around the equipment and stacking areas.

WARNING! Do not allow children in the area of the equipment. Failure to do so may result in death or serious injury

DISPOSE OF WOOD BY-PRODUCTS PROPERLY

NOTICE Properly dispose of all wood by-products, including sawdust, chips, and other debris, including operation waste such as coolant, oil, fuel, oil filters, fuel filters, etc.

KEEP SAFETY LABELS IN GOOD CONDITION

NOTICE Ensure that all safety decals are clean and readable. Replace all damaged safety decals to prevent personal injury or damage to the equipment. Contact your local distributor, or call your Customer Service Representative to order more decals.

If replacing a component that has a safety decal affixed to it, ensure the new component also has the safety decal affixed.

2.2 Electrical Lockout Procedures

RULES FOR USING LOCKOUT PROCEDURE

The equipment shall be locked out to protect against accidental or inadvertent operation when such operation could cause injury to personnel. Do not attempt to operate any switch or valve bearing a lock.

LOCKOUT PROCEDURES MUST BE USED DURING, BUT NOT LIMITED TO:

- Changing or adjusting blades
- Unjamming operations
- Cleaning
- Mechanical repair
- Electrical maintenance
- Retrieval of tools/parts from work area
- Activities where guards or electrical panel guard is open or removed

MAINTENANCE HAZARDS INCLUDE, BUT NOT LIMITED TO:

- Blade contact
- Pinch points
- Kickbacks
- Missiles (thrown blades/wood chips)
- Electrical

FAILURE TO LOCKOUT MAY RESULT IN, BUT NOT LIMITED TO:

- Cut
- Crush
- Blindness
- Puncture
- Electrocution
- Serious injury and death
- Amputation
- Burn
- Shock

TO CONTROL MAINTENANCE DANGERS:

- Lockout procedures must be followed (see **OSHA regulation 1910.147**).
- Never rely on machine stop control for maintenance safety (emergency stops, on/off buttons, interlocks).
- Do not reach into moving blades or feed systems. Allow all coasting parts to come to a complete stop.
- Electrical power supply and air supply must both be locked out.
- Where established lockout procedures cannot be used (electrical troubleshooting or mechanical dynamic troubleshooting), alternative effective protective techniques shall be employed which may require special skills and planning.
- Always follow safe operations practices in the workplace.

EQUIPMENT LOCKOUT PROCEDURE

Lockout procedures per OSHA regulation 1910.147, appendix A:

GENERAL

The following simple lockout procedure is provided to assist owner/operators in developing their procedures so they meet the requirements of **OSHA regulation 1910.147**. When the energy isolating devices are not lockable, tagout may be used, provided the owner/operator complies with the provisions of the standard which require additional training and more rigorous periodic inspections. When tagout is used and the energy isolating devices are lockable, the owner/operator must provide full operator protection (see OSHA regulation 1910.147, paragraph (c)(3)) and additional training and more rigorous periodic inspections are required. For more complex systems, more comprehensive procedures may need to be developed, documented, and utilized.

PURPOSE

This procedure establishes the minimum requirements for the lockout of energy isolating devices whenever maintenance or servicing is done on machines or equipment. It shall be used to ensure that the machine or equipment is stopped, isolated from all potentially hazardous energy sources and locked out before personnel perform any servicing or maintenance where the unexpected enervation or start-up of the machine or equipment or release of stored energy could cause injury.

COMPLIANCE WITH THIS PROGRAM

All personnel are required to comply with the restrictions and limitations imposed upon them during the use of lockout. The authorized personnel are required to perform the lockout in accordance with this procedure. All operators, upon observing a machine or piece of equipment which is

locked out to perform servicing or maintenance shall not attempt to start, energize, or use that machine or equipment.

SEQUENCE OF LOCKOUT

1. Notify all affected personnel that servicing or maintenance is required on a machine or equipment and that the machine or equipment must be shut down and locked out to perform the servicing or maintenance.
2. The authorized employee shall refer to the company procedure to identify the type and magnitude of the energy that the machine or equipment utilizes, shall understand the hazards of the energy, and shall know the methods to control the energy.
3. If the machine or equipment is operating, shut it down by the normal stopping procedure (depress the stop button, open switch, close valve, etc.).
4. De-activate the energy isolating device(s) so that the machine or equipment is isolated from the energy source(s).
5. Lock out the energy isolating device(s) with assigned individual lock(s).
6. Stored or residual energy (such as that in capacitors, springs, elevated machine members, rotating flywheels, hydraulic systems, and air, gas, steam, or water pressure, etc.) must be dissipated or restrained by methods such as grounding, repositioning, blocking, bleeding down, etc.
7. Ensure that the equipment is disconnected from the energy source(s) by first checking that no personnel are exposed, then verify the isolation of the equipment by operating the push button or other normal operating control(s) or by testing to make certain the equipment will not operate.

CAUTION! Return operating control(s) to neutral or "off" position after verifying the isolation of the equipment.

8. The machine or equipment is now locked out.

RESTORING EQUIPMENT TO SERVICE

When the servicing or maintenance is completed and the machine or equipment is ready to return to normal operating condition, the following steps shall be taken.

1. Check the machine or equipment and the immediate area around the machine to ensure that nonessential items have been removed and that the machine or equipment components are operationally intact.
2. Check the work area to ensure that all personnel have been safely positioned or removed from the area.
3. Verify that the controls are in neutral.
4. Remove the lockout devices and re-energize the machine or equipment.

   NOTE: The removal of some forms of blocking may require re-enervation of the machine before safe removal.

5. Notify affected personnel that the servicing or maintenance is completed and the machine or equipment is ready for use.

PROCEDURE INVOLVING MORE THAN ONE PERSON

In the preceding steps, if more than one individual is required to lock out the equipment, **each shall place his own personal lock on the energy isolating devices.**

SECTION 3 SETUP AND OPERATION

3.1 Site Preparation

An outside source of compressed air adjustable from 80-120 psi (5.6-8.4 Kg/cm) is required.

WARNING! Have a certified electrician install the power to your machine.

Be sure the power supply cables are not a trip hazard.

CAUTION! Improper voltage will cause damage to the motor and electronic components. Have a qualified electrician install the power supply to begin using your pallet dismantler.

NOTICE The power supply must meet the motor specifications concerning wire size, fused disconnect, and voltage, which are provided in the motor's manual. The electrical installation must also meet local codes.

NOTICE Ensure the blade spins in the proper direction. If not, have the electrician change the engine rotation.

3.2 Onsite setup

DANGER! Maintain a clean and clear path for all necessary movement around the pallet dismantler and stacking areas.

WARNING! Do not allow children in the area of the pallet dismantler.

Do not set up the pallet dismantler on ground with more than a 10 degree incline.

3.3 Operation

DANGER! Keep hands 12" away from the blade.

WARNING! Do not load pallets greater than 60" (1.5 m).

Avoid contact with sharp edges of the cutting wedges.

Check that the tire pressures are between 50-55 psi.

One-person operation

NOTICE Before starting, ensure the blade is tensioned properly. Failure to do so may result in drive wheel tire damage.

6. Tighten the tension by ratcheting the device handle until the pivot arm is touching the stop bolt.

NOTE: If a new blade is required see *Section 4.3 Changing the blade*.

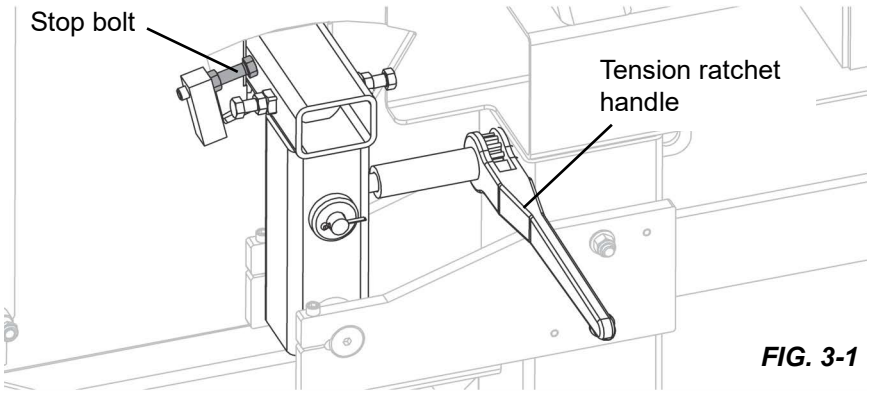


FIG. 3-1

7. Remove the pass back bars from the table top by unpinning them and slide them out.

8. Momentarily (approximately 15 seconds) run the blade on the drive wheels.

9. Turn off disconnect.

10. Open the wheel covers to inspect the blade tracking.

NOTE: If the blade is not tracking in the center of the tire, refer to *Section 4.2 Tracking the blade.*

11. When the blade is tracking properly, close the wheel covers and turn on the disconnect.

12. Start the blade.

13. Use the air valve to adjust the table approximately one board thickness plus 1/4 inch (6 mm) below the blade.

Air valve controls: Neutral is the 3 o'clock position. Raise the handle up to raise the table; lower handle to lower table. Always return the handle to the neutral position.

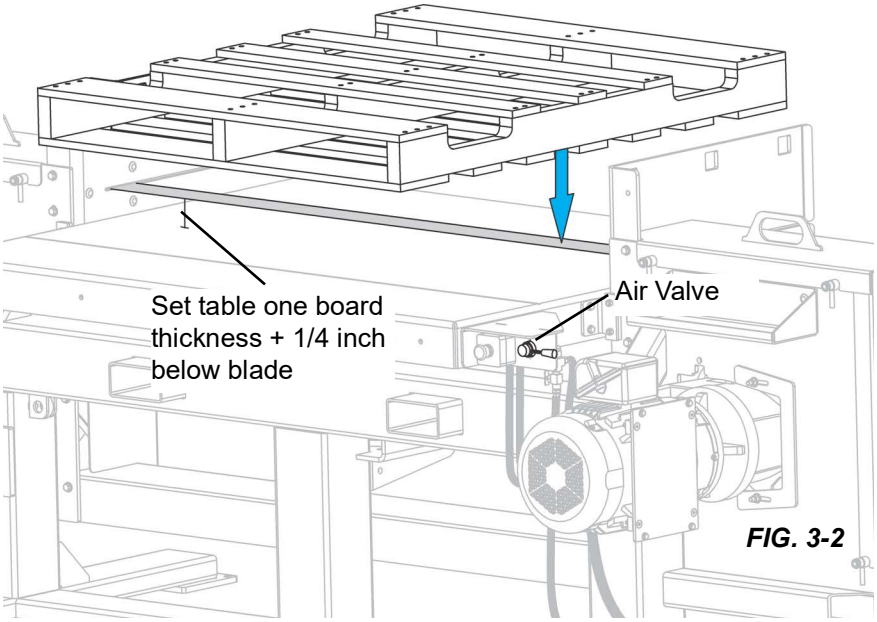


FIG. 3-2

14. Place half the pallet over the blade and lower the pallet so the blade is positioned between two deck boards. (See figure 3-2.)

15. Pull the pallet away from the blade.

NOTE: Move the pallet from side-to-side as you pull to ease the cut.

16. Lift and rotate the pallet to remove the other half of the boards.

17. Turn the pallet over and repeat Step 14. through Step 16.

18. Remove the last board by pulling the stringers from left to right.

Two-person operation

NOTICE BEFORE STARTING, ENSURE THE BLADE IS TENSIONED PROPERLY. FAILURE TO DO SO MAY RESULT IN DRIVE WHEEL TIRE DAMAGE.

1. Tighten the tension by ratcheting the device handle until the pivot arm is touching the stop bolt.

   NOTE: If a new blade is required see Section 4.3 Changing the blade.

2. Momentarily (approximately 15 seconds) start the blade.

3. Turn off power.

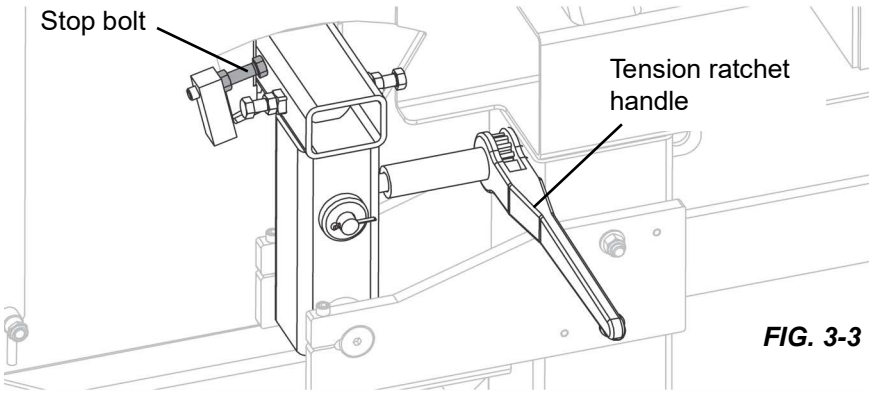


FIG. 3-3

4. Open the wheel covers to inspect the blade tracking.

   NOTE: If the blade is not tracking in the center of the tire, refer to *Section 4.2 Tracking the blade.*

5. When the blade is tracking properly, close the wheel covers and turn on the power.

6. Use the air valve to adjust the table approximately one board thickness plus1/4 inch (6 mm) below the blade.

   Air valve controls: Neutral is the 3 o'clock position. Raise the handle up to raise the table; lower handle to lower table. Always return the handle to the neutral position.

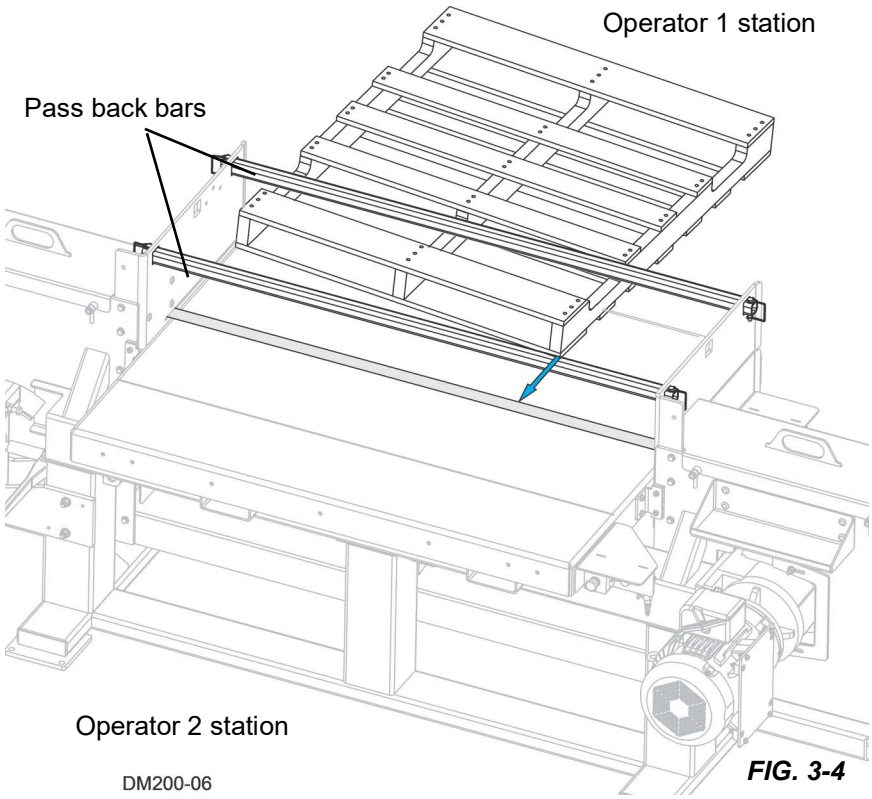


FIG. 3-4

7. ***Operator 1:*** Place the pallet on the table with the deck side down and against the fence.

8. ***Operator 1:*** Start the blade.

NOTICE ONLY ONE PERSON SHOULD HAVE CONTACT WITH THE PALLET WHILE CUTTING.

9. ***Operator 1:*** With the pallet at a slight angle to the blade, push the pallet half way through the blade.(See Figure 3-4.)

DANGER! Keep hands 12” away from the blade. Failure to do so will result in death or serious injury.

NOTE: Move the pallet from side-to-side as you push or pull to ease the cut.

10. ***Operator 2:*** Pull the pallet completely through the blade.

11. ***Operator 2:*** TURN THE PALLET OVER AND PLACE IT ON THE PASS BACK BARS.

12. ***Operator 1:*** Place the pallet on the table and against the fence.

13. ***Operator 1:*** With the pallet at a slight angle to the blade, push the pallet half way through the blade.

14. ***Operator 2:*** Pull the pallet completely through the blade.

15. ***Either operator***: Turn off blade.

DANGER! Remove power before clearing debris or any other maintenance activity.

16. ***Operator 2:*** Clear lumber and debris from the table to make it ready for the next pallet.

17. Repeat Step 7. through Step 16.

SECTION 4 MAINTENANCE

WARNING! Before performing service, lock out the electrical service as described in section 2.4. Failure to do so could result in death or serious injury.

Refer to Online Manuals for electrical schematics.

4.1 General maintenance after each use

1. Check for debris impeding any moving parts.
2. Clean debris off of the motor or engine and fuel tank.
3. Check engine oil per motor/engine manufacturer's manual specifications.
4. Check that the tire pressure are between 50-55 psi.
5. Check gearbox oil level per gearbox manufacturer's manual specifications.

NOTICE **DO NOT OVERFILL THE GEARBOX.** The gearbox is mounted in the B7 wall mounting position. In this mounting position the unit requires **6.1 PINTS** of oil.

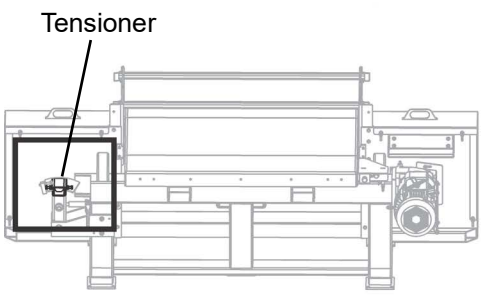
Recommend lubricants are:

Mobile (Mobilgear 630)	Citgo (EP Compound 220)
Castrol (Alpha SP220)	Shell (Omala 220)
Texaco (Meropa 220)	Chevron (Gear Compound EP ISO2200)

4.2 Tracking the blade

WARNING! Before performing service, lock out the electrical service as described in section 2.4. Failure to do so could result in death or serious injury.

1. Open the wheel covers to observe the blade on the drive wheels.
2. Loosen the lock nuts on the tensioner.
3. Loosen the inner (**B**) while tightening the outer (**A**) bolt to move the blade **TOWARD THE BLADE GUIDE BEARING**.
4. Loosen the outer (**A**) while tightening the inner (**B**) bolt to move the blade **AWAY FROM THE BLADE GUIDE BEARING**.



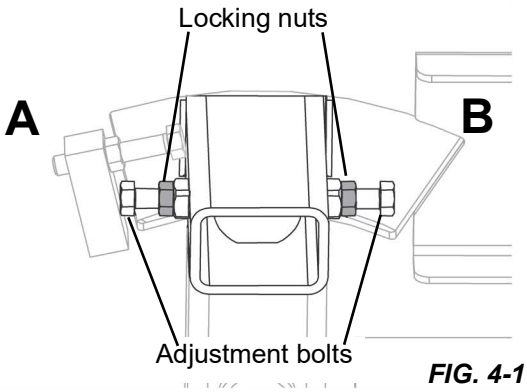


FIG. 4-1

NOTICE Do not move the adjustment bolts more than 1/4 turn per adjustment. This adjustment is sensitive.

5. Close the wheel covers.

6. Momentarily (approximately 15 seconds) start the blade.

7. Ensure power is off before performing the next steps.

8. Open the wheel covers to observe the blade on the drive wheels.

9. Repeat Step 3. through Step 8. as necessary for the blade to track properly.

10. Tighten the lock nuts when finished.

4.3 Changing the blade

WARNING! Before performing service, lock out the electrical service as described in section 2.4. Failure to do so could result in death or serious injury.

1. Open the wheel covers to observe the blade on the drive wheels.

2. Release the tension by ratcheting the device until the pivot arm is fully released.

3. Removed the used blade.

4. Install the new blade on the center of the drive wheel tires.

NOTICE Ensure the blade is positioned as shown below in Figure 4-3.

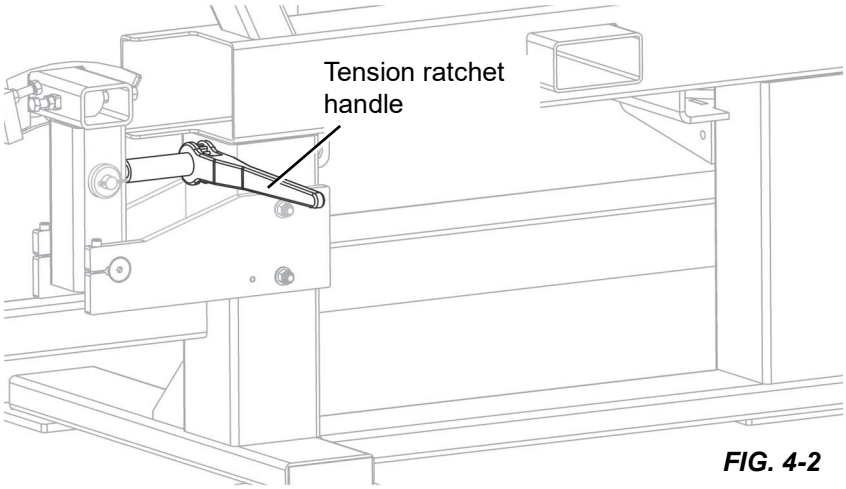


FIG. 4-2

5. Tighten the tension by ratcheting the device handle until the pivot arm is touching the stop bolt.

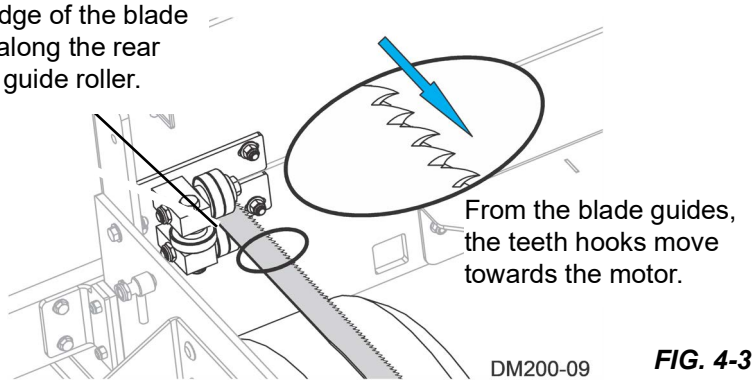


FIG. 4-3

6. Close the wheel covers.

7. Momentarily (approximately 15 seconds) start the blade.

8. Ensure power is off before performing the next steps.

9. Open the wheel covers to observe the blade on the drive wheels.

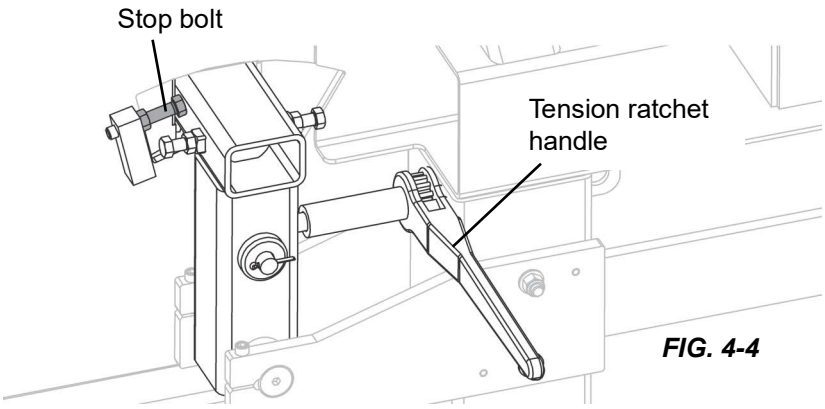


FIG. 4-4

NOTE: If the blade is not tracking in the center of the tire, refer to *Section 4.2 Tracking the blade.*

10. When the blade is tracking properly, close the wheel covers and continue operations.

4.4 Remove the drive hub

Occasionally bearings will need to be changed on the gearbox.

1. Remove the blade drive wheel cover.

2. Loosen and remove the blade. Refer to *Section 4.3 Changing the blade.*

3. Remove the drive wheel by loosening and removing the six lug nuts.

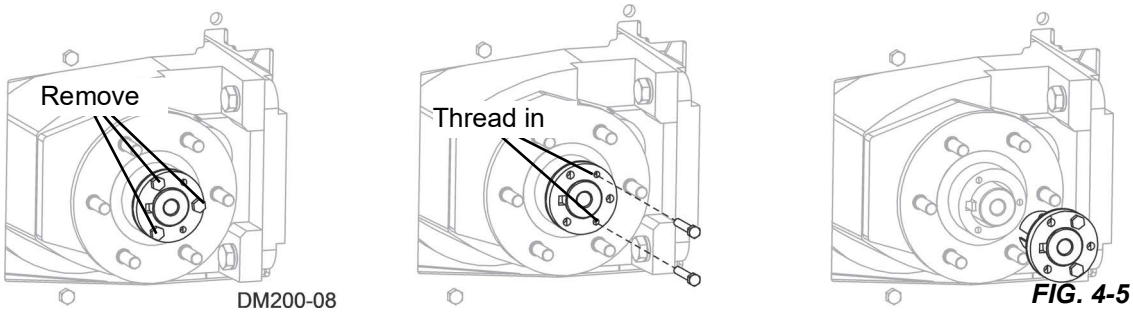


FIG. 4-5

4. Remove the three bolts in the tapered bushing on the drive shaft.

5. Replace two of the bolts into the treaded holes.

6. Alternate tighten the two bolts until the bushing releases from the wheel flange.

The gearbox is now accessible for maintenance.

SECTION 5 REPLACEMENT PARTS

5.1 How To Use The Parts List

- Use the table of contents to locate the assembly that contains the part you need.
- Go to the appropriate section and locate the part in the illustration.
- Use the number pointing to the part to locate the correct part number and description in the table.
- Parts shown indented under another part are included with that part.

To Order Parts

- From the continental US, call **1-800-525-8100** to order parts. Have your customer number, vehicle identification number, and part numbers ready when you call.
- From other international locations, contact the Wood-Mizer distributor in your area for parts.

5.2 Sample Assembly

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	012345	SAMPLE ASSEMBLY, COMPLETE	INCLUDES ITEMS 1-6	1
1	F02222-22	Sample Part		1
2	F03333-33	Sample Part		2
	098765	Sample Subassembly	Includes items 3-6	1
3	S04444-44	Subassembly Sample Part		1
4	K55555	Subassembly Sample Part		1
	054321	Sample Sub-Subassembly	Includes items 5-6	2
5	022222	Sub-Subassembly Sample Part		1
6	F10234-56	Sub-Subassembly Sample Part		1

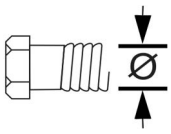
The Sample Assembly, Complete, part number 02345 (top level assembly) includes two parts (F0222-22 and F0333-33) and the 098765 subassembly.

Subassembly 098765 contains two parts(S04444-44 and K55555) and two copies of sub-subassembly 054321.

Each sub-subassembly 054321 contains two parts (022222 and F10234-56).

5.3 Torque Values

Grade		Units	SAE 5	SAE 8
Grade Mark				
Bolt Dia.	**Threads. Per In.**	**Units**	**SAE 5**	**SAE 8**
6	32	in-lbs (Nm)	20 (2.3)	-
8	32	in-lbs (Nm)	24 (2.7)	30 (3.4)
10	24	in-lbs (Nm)	35 (4.0)	45 (5.1)
10	32	in-lbs (Nm)	40 (4.5)	50 (5.7)
12	24	in-lbs (Nm)	50 (5.7)	65 (7.3)
1/4	20	in-lbs (Nm)	95 (10.7)	125 (14.1)
1/4	28	in-lbs (Nm)	95 (10.7)	150 (17.0)
5/16	18	ft-lbs (Nm)	17 (22.6)	23 (31.2)
5/16	24	ft-lbs (Nm)	20 (27.1)	25 (33.8)
3/8	16	ft-lbs (Nm)	30 (40.7)	40 (54.2)
3/8	24	ft-lbs (Nm)	35 (47.5)	45 (61.0)
7/16	14	ft-lbs (Nm)	50 (67.8)	65 (88.1)
7/16	20	ft-lbs (Nm)	55 (74.6)	70 (94.9)
1/2	13	ft-lbs (Nm)	75 (101.7)	100 (135.6)
1/2	20	ft-lbs (Nm)	85 (115.3)	110 (149.2)
9/16	12	ft-lbs (Nm)	105 (142.4)	135 (183.1)
9/16	18	ft-lbs (Nm)	115 (155.9)	150 (203.4)
5/8	11	ft-lbs (Nm)	150 (203.4)	195 (264.4)
5/8	18	ft-lbs (Nm)	160 (217.0)	210 (284.8)
3/4	10	ft-lbs (Nm)	170 (230.5)	220 (298.3)
3/4	16	ft-lbs (Nm)	175 (237.3)	225 (305.1)
7/8	9	ft-lbs (Nm)	302 (409.5)	473 (640.9)
7/8	14	ft-lbs (Nm)	300 (406.8)	400 (542.4)
1	8	ft-lbs (Nm)	466 (631.8)	714 (967.4)



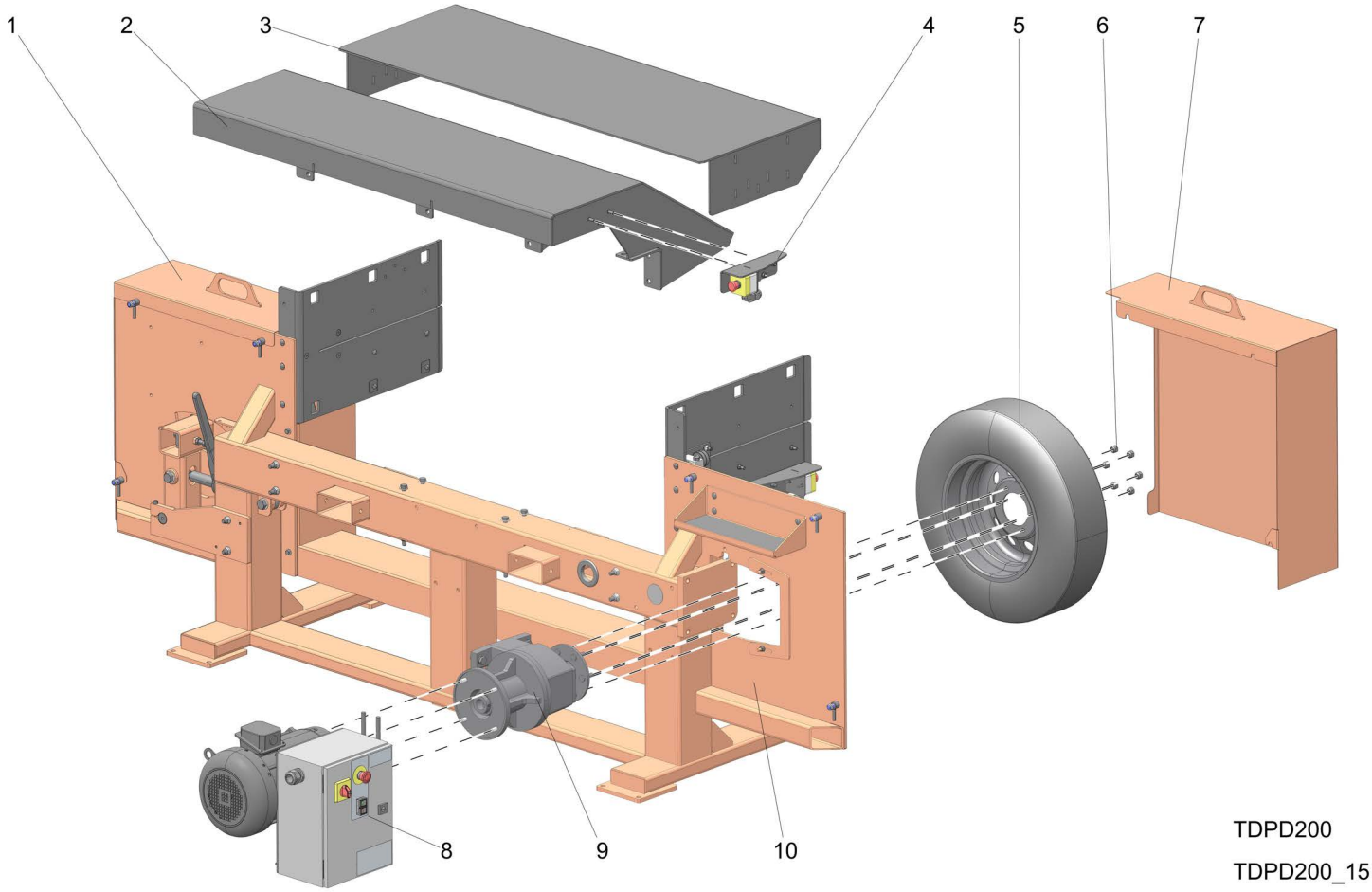
Metric Bolt Head Identification

Metric Grade 8.8

Metric Grade 10.9

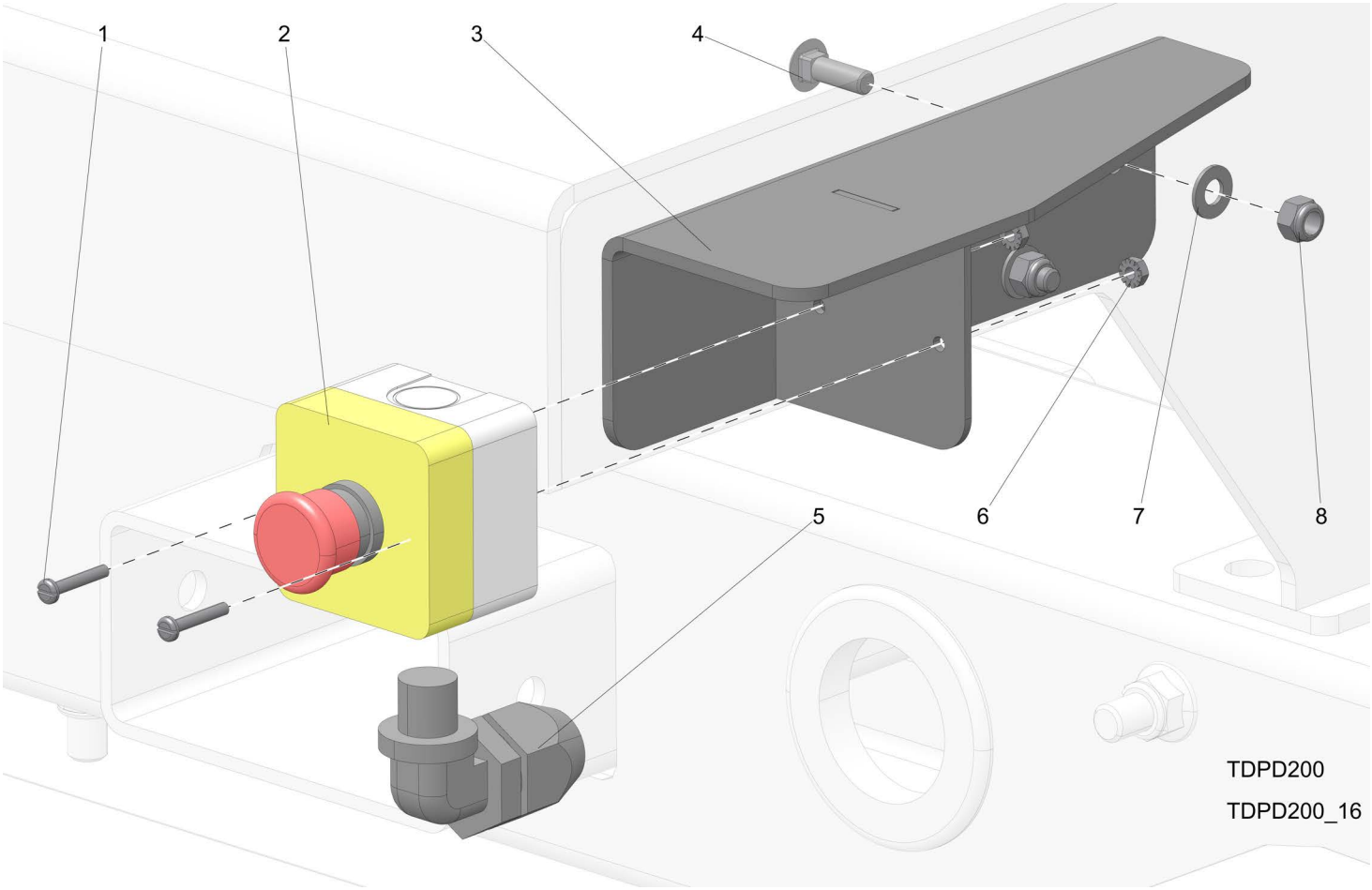
COARSE THREAD					FINE THREAD					Wrench Size
Diameter & Thread Pitch	Metric 8.8		Metric 10.9		Diameter & Thread Pitch	Metric 8.8		Metric 10.9		
	N-m	lbs-ft	N-m	lbs-ft		N-m	lbs-ft	N-m	lbs-ft	
6 x 1.0	8	6	11	8						10 mm
8 x 1.25	20	15	27	20	8 x 1.0	21	16	29	22	13 mm
10 x 1.5	39	29	54	40	10 x 1.25	41	30	57	42	16 mm
12 x 1.75	68	50	94	70	12 x 1.25	75	55	103	76	18 mm
14 x 2.0	109	80	151	111	14 x 1.5	118	87	163	120	21 mm
16 x 2.0	169	125	234	173	16 x 1.5	181	133	250	184	24 mm
18 x 2.5	234	172	323	239	18 x 1.5	263	194	363	268	27 mm
20 x 2.5	330	244	457	337	20 x 1.5	367	270	507	374	30 mm
22 x 2.5	451	332	623	460	22 x 1.5	495	365	684	505	34 mm
24 x 3.0	571	421	790	583	24 x 2.0	623	459	861	635	36 mm
30 x 3.0	1175	867	1626	1199	30 x 2.0	1258	928	1740	1283	46 mm

5.4 Pallet Dismantler Assembly



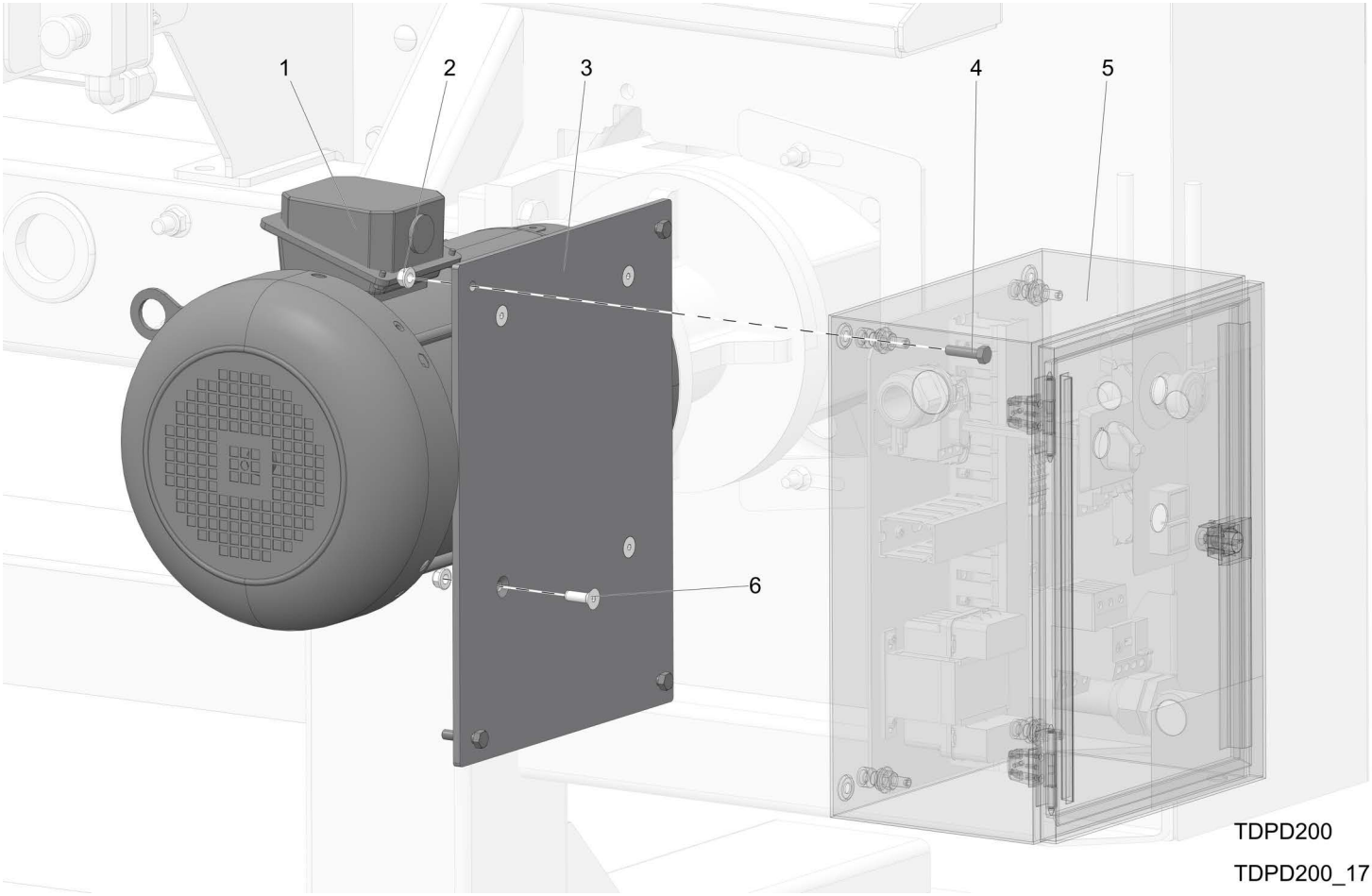
REF	PART #	DESCRIPTION	COMMENTS	QTY.
	PD200xxx-CU	**Pallet Dismantler, Center Drop Table**		1
1	079677	Cover Weldment, Dismantler, Idle, A1.01		1
2	079652	Table Wldmnt, Center Drop, Front, 60”		1
	079652-72	Table Wldmnt, Center Drop, Front, 72”		1
3	079654	Table Weldment, CD Dismantler, Rear, 60”		1
	079654-72	Table Weldment, CD Dismantler, Rear, 72”		1
4	079685	**Control Assembly, Dismantler Rear, CD**	*(See Section 5.5)*	1
5	133316	Tire/Wheel Assembly, ST205/75D15		2
6	P04646	Nut, 1/2-20 Lug		12
7	079679	Cover Weldment, Dismantler, Drive, A1.01		1
8	143238	**Assembly, PD200C10 Motor, 480V3Ph**	*(See Section 5.6)*	1
	143031	**Assembly, PD200A10 Motor, 230V1Ph**	*(See Section 5.7)*	1
	143032	**Assembly, PD200B10 Motor, 240V3Ph**	*(See Section 5.8)*	1
	143034	**Assembly, PD200H10 Motor, 50hz3Ph**	*(See Section 5.9)*	1
	143035	**Assembly, PD200K10 Motor, 575V3Ph**	*(See Section 5.10)*	1
9	143029	**Assembly, Electric Dismantler Drive**	*(See Section 5.13)*	1
10	143023	**Assembly, Dism. 60" Center Drop Frame**	*(See Section 5.14)*	1
	143023-72	**Assembly, Dism. 72" Center Drop Frame**	*(See Section 5.14)*	1

5.5 Rear Control Assembly



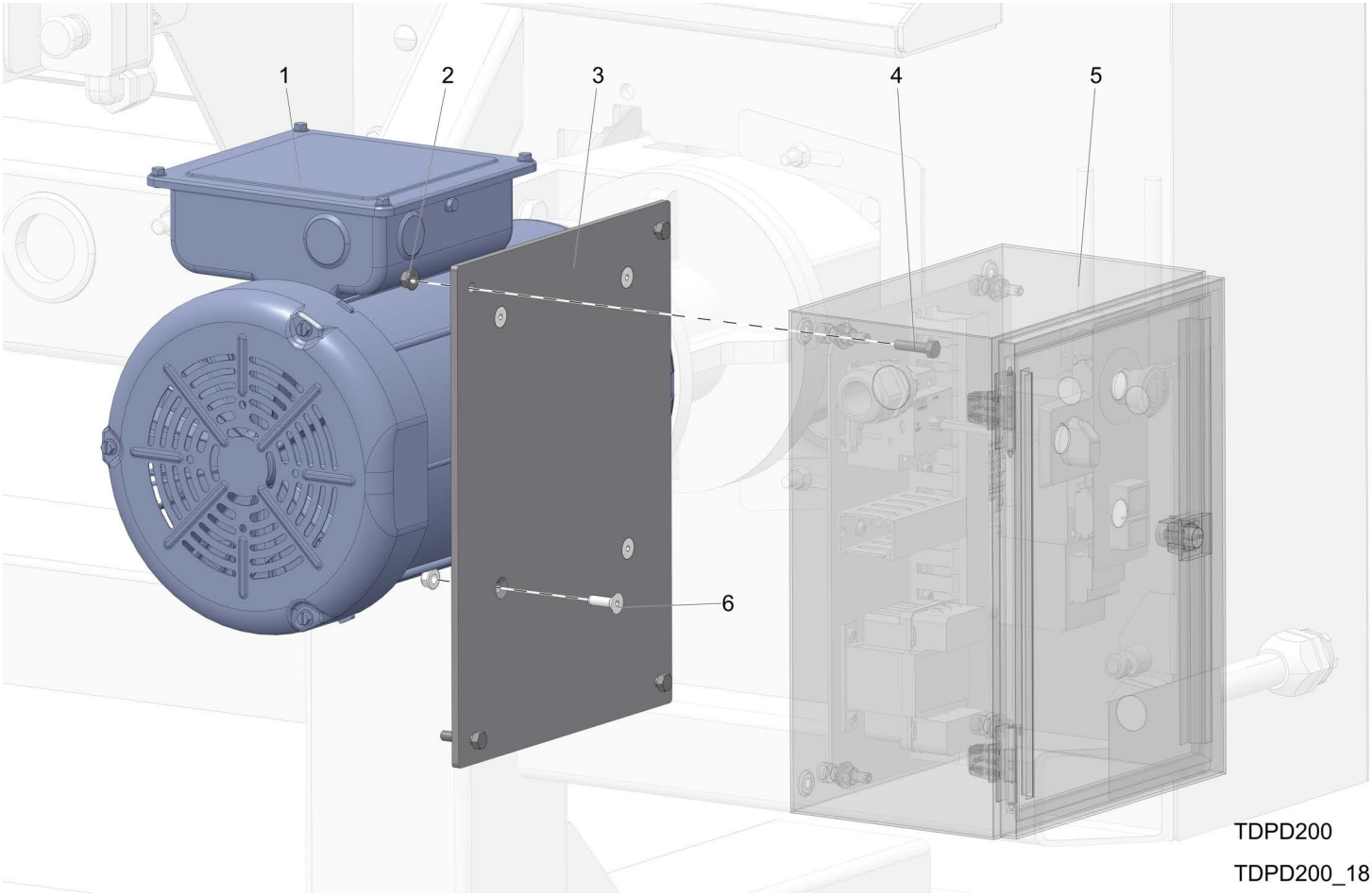
REF	PART #	DESCRIPTION	COMMENTS	QTY.
	079685	**Control Assy, Dismantler Rear, CD**		1
1	F05004-34	Screw, #8-32x1 S1 PH Machine Brass		2
2	052999	E-Stop Box, 40mm Oper-10A NC		1
3	079686	Brkt Weldment, Rear Control, CD		1
4	F05006-90	Bolt, 5/16-18x1 Carriage		3
5	E22722	Connector, 1/2In 90 Deg Liquid Tight		1
6	F05010-41	Nut, #8-32 Self Locking		2
7	F05011-17	Washer, 5/16 SAE Flat		3
8	F05010-58	Nut, 5/16-18 Nyl Lock		3

5.6 10HP Electric Motor; 480V 3-Phase



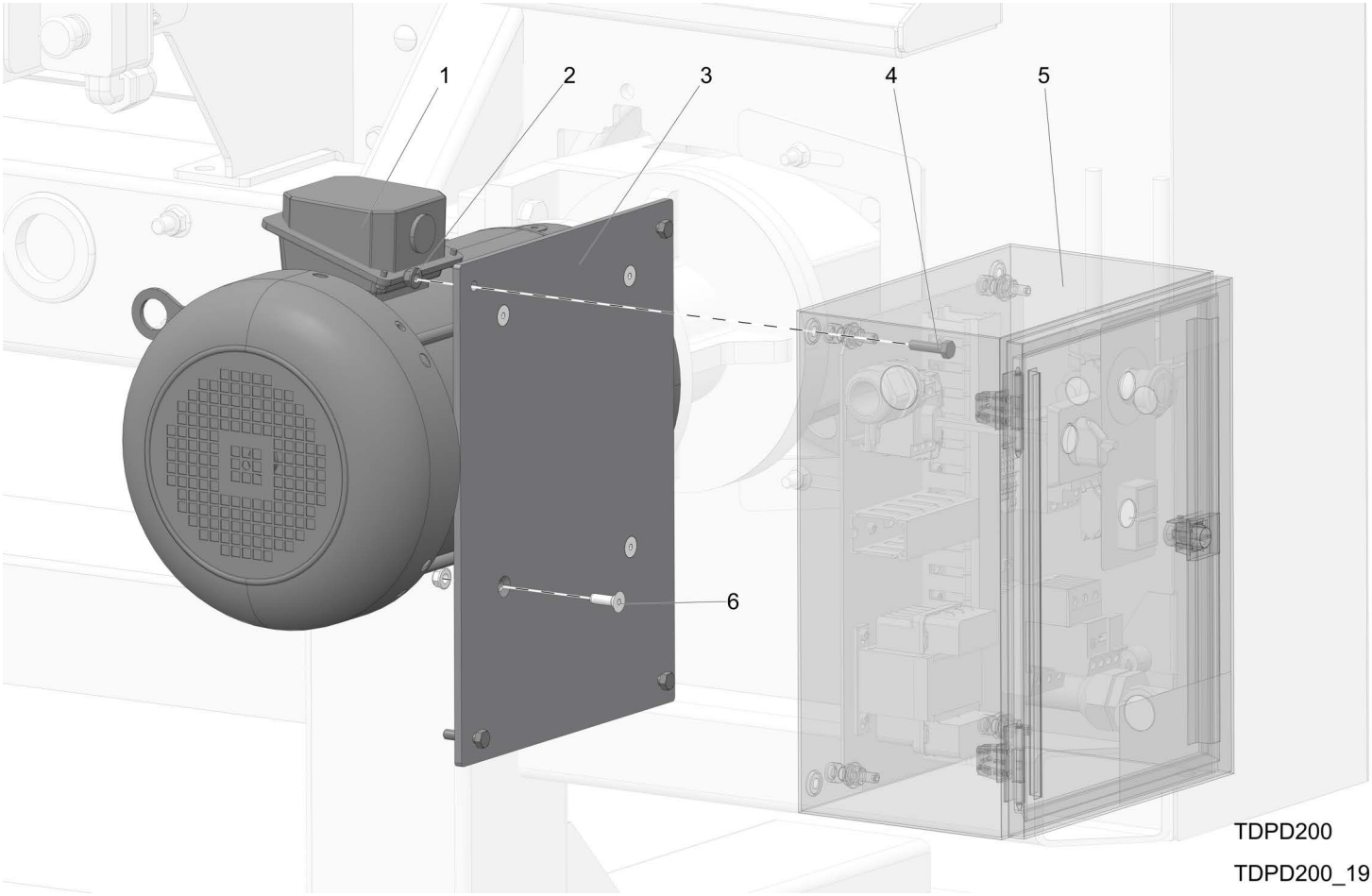
REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143238	**Assy, PD200C10 Motor, 480V3Ph**		1
1	130076	Motor, 10HP 1800RPM Marathon Premium Eff		1
2	F05010-221	Nut, 5/16-18 Flanged Hex Nylock		8
3	114116	Mount, PD200E Control		1
4	F05006-93	Bolt, 5/16-18x1-1/4 HH FT Gr5		4
5	114106	**Control Assy, PD200C10 480VAC 3PH**	*(See Section 5.11)*	1
6	F05006-22	Bolt, 5/16-18x1 FHS		4

5.7 10HP Electric Motor; 230V 1-Phase



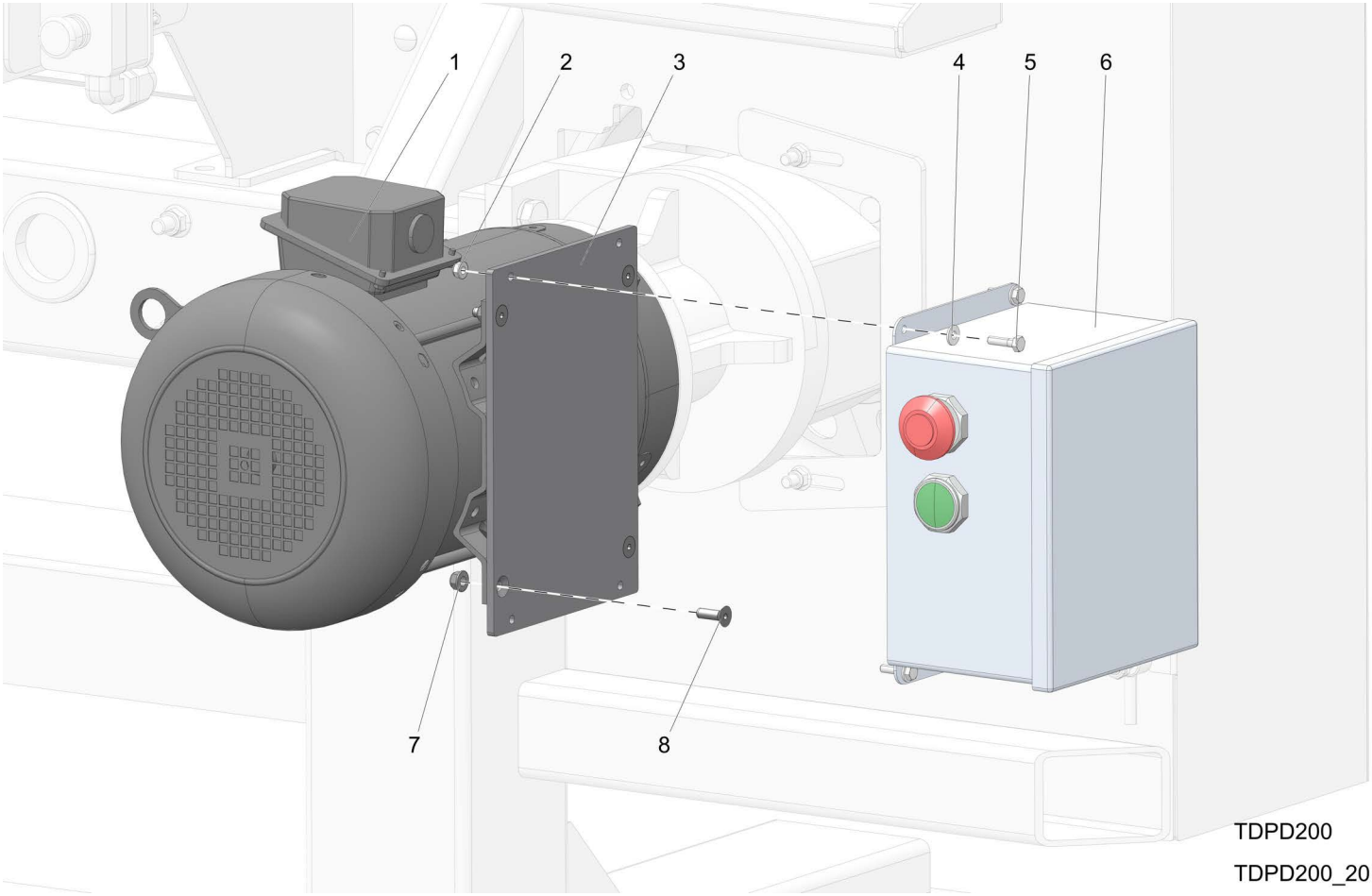
REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143031	**Assy, PD200A10 Motor, 230V1Ph**		1
1	079949	Motor, 10HP 230V 1Ph 60Hz 1740RPM		1
2	F05010-221	Nut, 5/16-18 Flanged Hex Nylock		8
3	114116	Mount, PD200E Control		1
4	F05006-93	Bolt, 5/16-18x1-1/4 HH FT Gr5		4
5	114100	**Control Box Assy, PD200A10 240V 1PH**	*(See Section 5.12)*	1
6	F05006-22	Bolt, 5/16-18x1 FHS		4

5.8 10HP Electric Motor; 240V 3-Phase



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143032	**Assy, PD200B10 Motor, 240V3Ph**		1
1	130076	Motor, 10HP 1800RPM Marathon Premium Eff		1
2	F05010-221	Nut, 5/16-18 Flanged Hex Nylock		8
3	114116	Mount, PD200E Control		1
4	F05006-93	Bolt, 5/16-18x1-1/4 HH FT Gr5		4
5	114104	**Cntl Assy, PD200B10 240V 3PH**	*(See Section 5.11)*	1
6	F05006-22	Bolt, 5/16-18x1 FHS		4

5.9 10HP Electric Motor; 50Hz 3-Phase

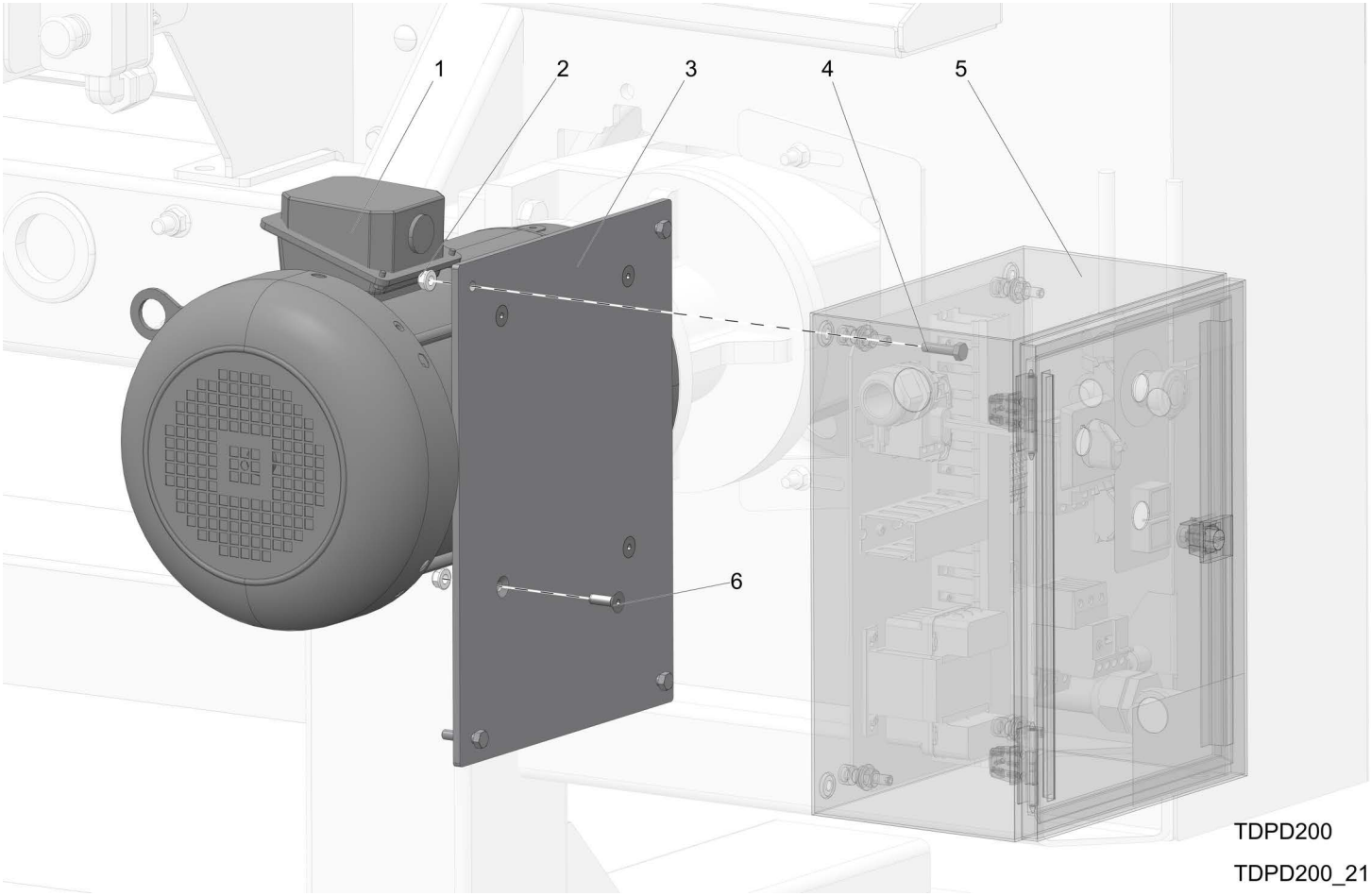


TDPD200

TDPD200_20

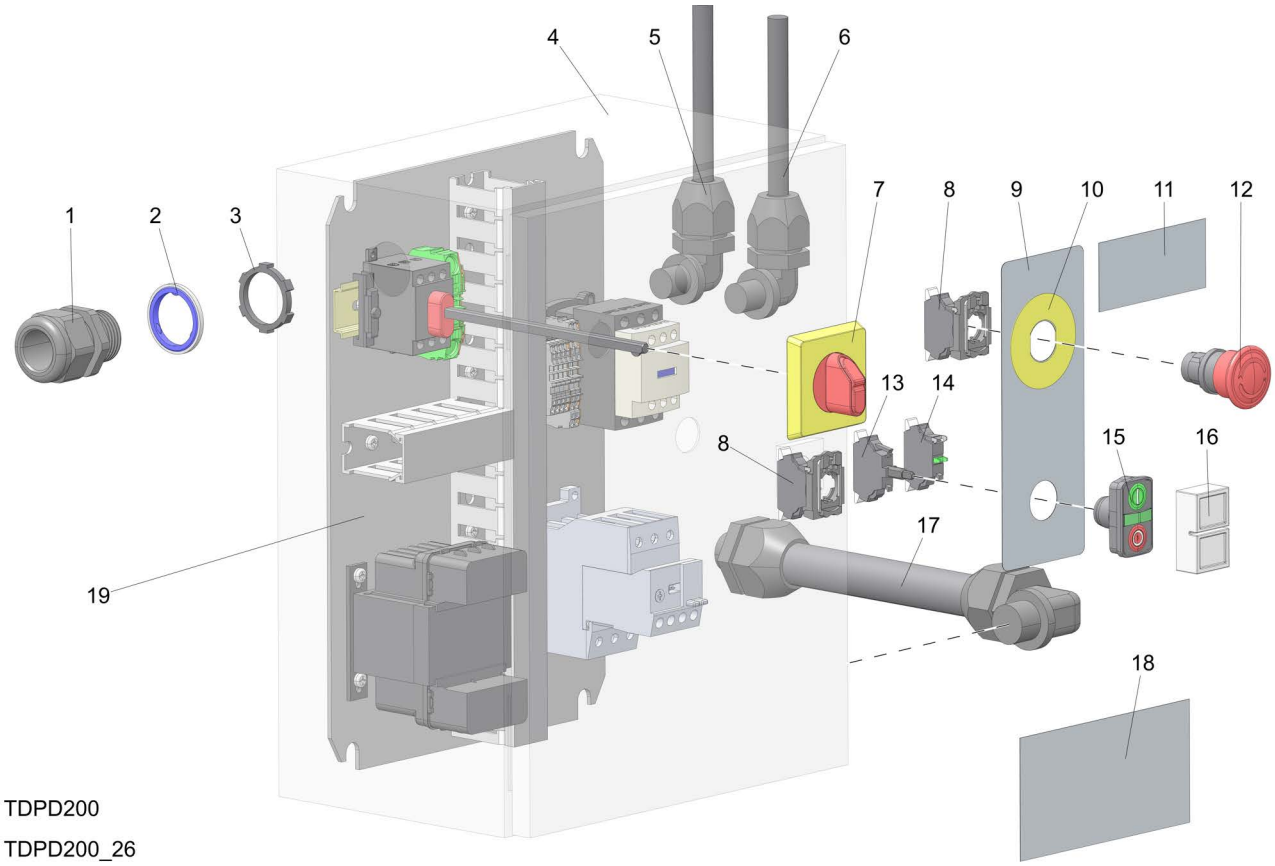
REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143034	**Assy, PD200H10 Motor, 50hz3Ph**		1
1	130076	Motor, 10HP 1800RPM Marathon Premium Eff		1
2	F05010-220	Nut, 1/4-20 Flanged Hex Nylock		4
3	079976	Mount, Electrical Box		1
4	F05011-11	Washer, 1/4 SAE Flat		4
5	F05005-101	BOLT, 1/4-20 X 1 HEX HEAD GR5		4
6	110282	**Control Box Assy, PD200 50hz 3ph**		1
7	F05010-221	Nut, 5/16-18 Flanged Hex Nylock		4
8	F05006-22	Bolt, 5/16-18x1 FHS		4

5.10 10HP Electric Motor; 575V 3-Phase



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143035	**Assy, PD200K10 Motor, 575V3Ph**		1
1	110401	Motor, 10hp 575v, 1750rpm		1
2	F05010-221	Nut, 5/16-18 Flanged Hex Nylock		8
3	114116	Mount, PD200E Control		1
4	F05006-93	Bolt, 5/16-18x1-1/4 HH FT Gr5		4
5	114113	**Cntl Assy, PD200K10 575V3PH**	*(See Section 5.11)*	1
6	F05006-22	Bolt, 5/16-18x1 FHS		4

5.11 Electrical Enclosure; PD200C10 / PD200B10 / PD200K10



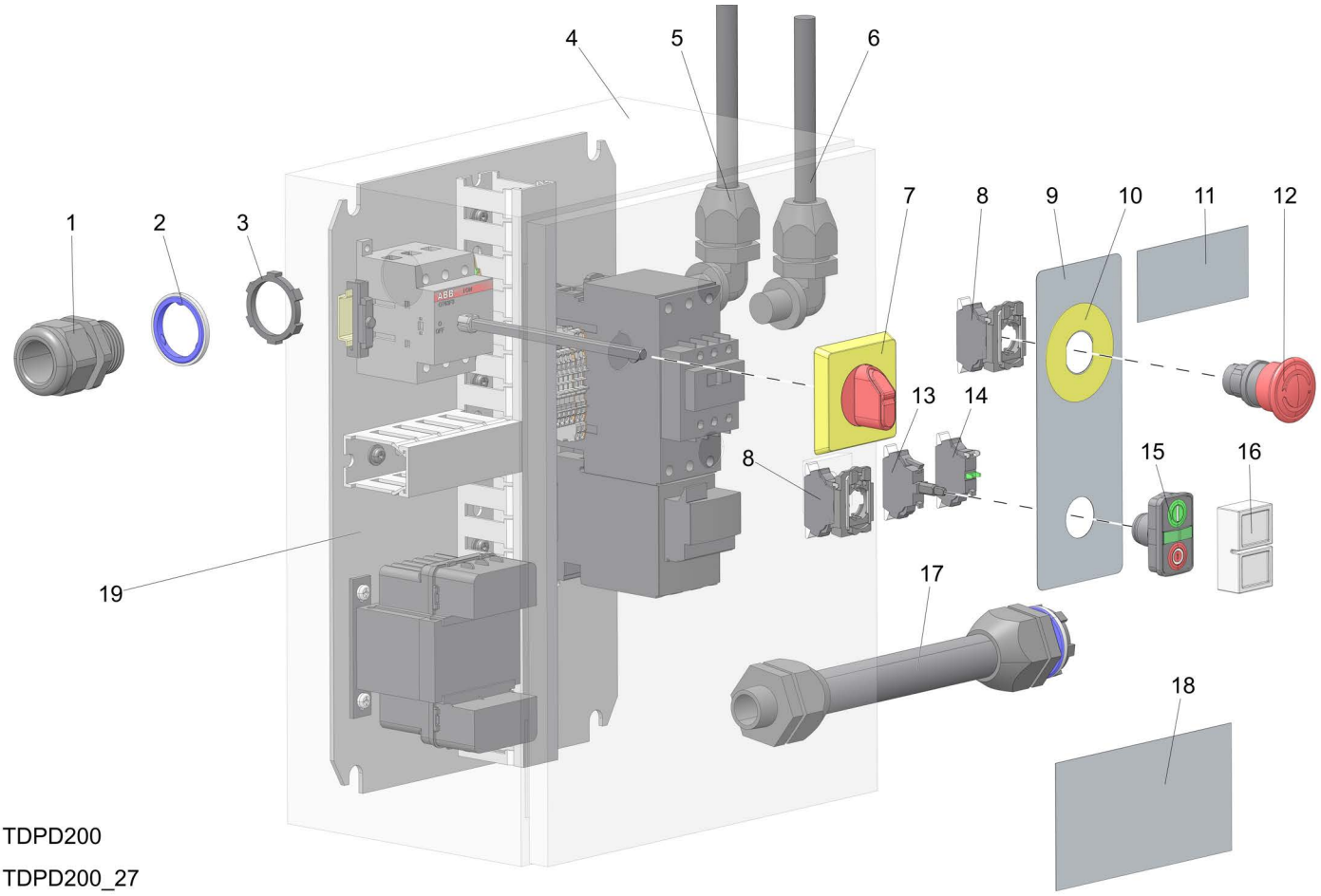
TDPD200

TDPD200_26

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	114106	**Control Assy, PD200C10 480VAC 3PH**	PD200C10	1
	114104	**Control Assy, PD200B10 240VAC 3PH**	PD200B10	1
	114113	**Control Assy, PD200K10 575VAC 3PH**	PD200K10	1
1	069861	Connector, 1" NPT 0.59-1.00		1
2	053734	Ring, 1" Sealing		1
3	053735	Nut, 1" NPT Connector Lock Sealing		1
4	114115	Enclosure, Elec. Control PD200E		1
5	114111	**Harness Assy, Rear E-Stop PD200E**		1
6	114110	**Harness Assy, Front E-Stop PD200E**		2
7	050883-1	Handle, Disconnect RED/YEL 6mm Shaft		1
8	068950	Collar, Mount 1NC ZB5		2
9	114112	Decal, PD200E Control		1
10	050992	Legend, E-Stop, Round Yellow		1
11	114104-NPLBL	Decal, PD200BE10 Nameplate	PD200B10 & PD200C10	1
	114113-NPLBL	Label, PD200K10 Name	PD200K10	1
12	068940	Push-Button, Mshrm Mntnd Red TrnRl ZB5		1
13	068912	Light Module, White ZB5		1
14	068920	Contact Block, NO ZB5		1
15	068909	Push Button, Grn/Red Marked Flush		1
16	052501	Boot, Clear Sealing ZB Sw		1
17	114109	**Harness Assy, PD200 240/480 VAC 3PH**	PD200B10 & PD200C10	1
	114117	**Harness Assy, PD200 575VAC 3PH**	PD200K10	1
18	S20061	Decal, Electrical Danger		1

REF	PART #	DESCRIPTION	COMMENTS	QTY.
19	114107	**Panel Assy, Insert PD200C10 480VAC 3PH**	PD200C10 *(See electrical schematic for components)*	1
	114105	**Insrt, Pnl Assy. PD200B10 240V 3PH**	PD200B10 (*See electrical schematic for components)*	1
	114114	**Panel Assy, Insert PD200K10 575VAC 3PH**	PD200K10 (*See electrical schematic for components)*	1

5.12 Enclosure; PD200A10

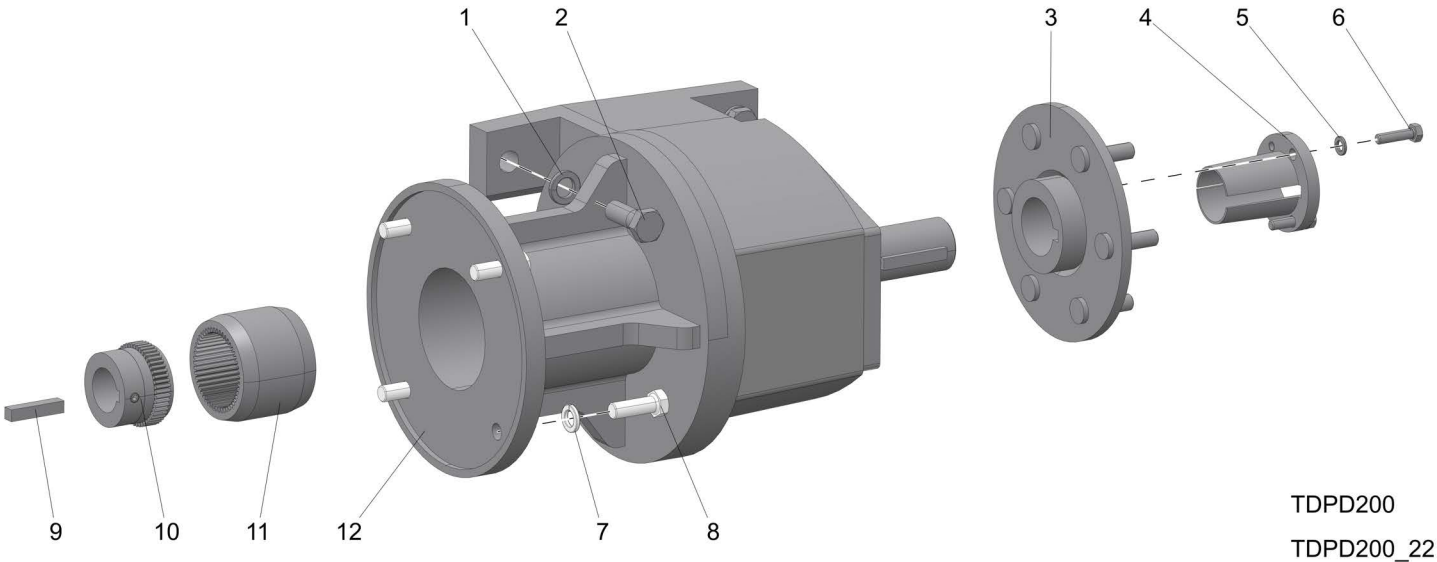


TDPD200

TDPD200_27

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	114100	**Control Box Assy, PD200A10 240V 1PH**	PD200A10	1
1	069861	Connector, 1" NPT 0.59-1.00		1
2	053734	Ring, 1" Sealing		1
3	053735	Nut, 1" NPT Connector Lock Sealing		1
4	114115	Enclosure, Elec. Control PD200E		1
5	114111	**Harness Assy, Rear E-Stop PD200E**		1
6	114110	**Harness Assy, Front E-Stop PD200E**		2
7	050883-1	Handle, Disconnect RED/YEL 6mm Shaft		1
8	068950	Collar, Mount 1NC ZB5		2
9	114112	Decal, PD200E Control		1
10	050992	Legend, E-Stop, Round Yellow		1
11	114100-NPLBL	Label, PD200A10 Elec Nameplate		1
12	068940	Push-Button, Mshrm Mntnd Red TrnRl ZB5		1
13	068912	Light Module, White ZB5		1
14	068920	Contact Block, NO ZB5		1
15	068909	Push Button, Grn/Red Marked Flush		1
16	052501	Boot, Clear Sealing ZB Sw		1
17	114108	**Harness Assy, PD200 240VAC 1PH**		1
18	S20061	Decal, Electrical Danger		1
19	114102	**Insert, Panel Assy PD200A10 240VAC 1PH**	*See electrical schematic for components*	1

5.13 Drive Assembly

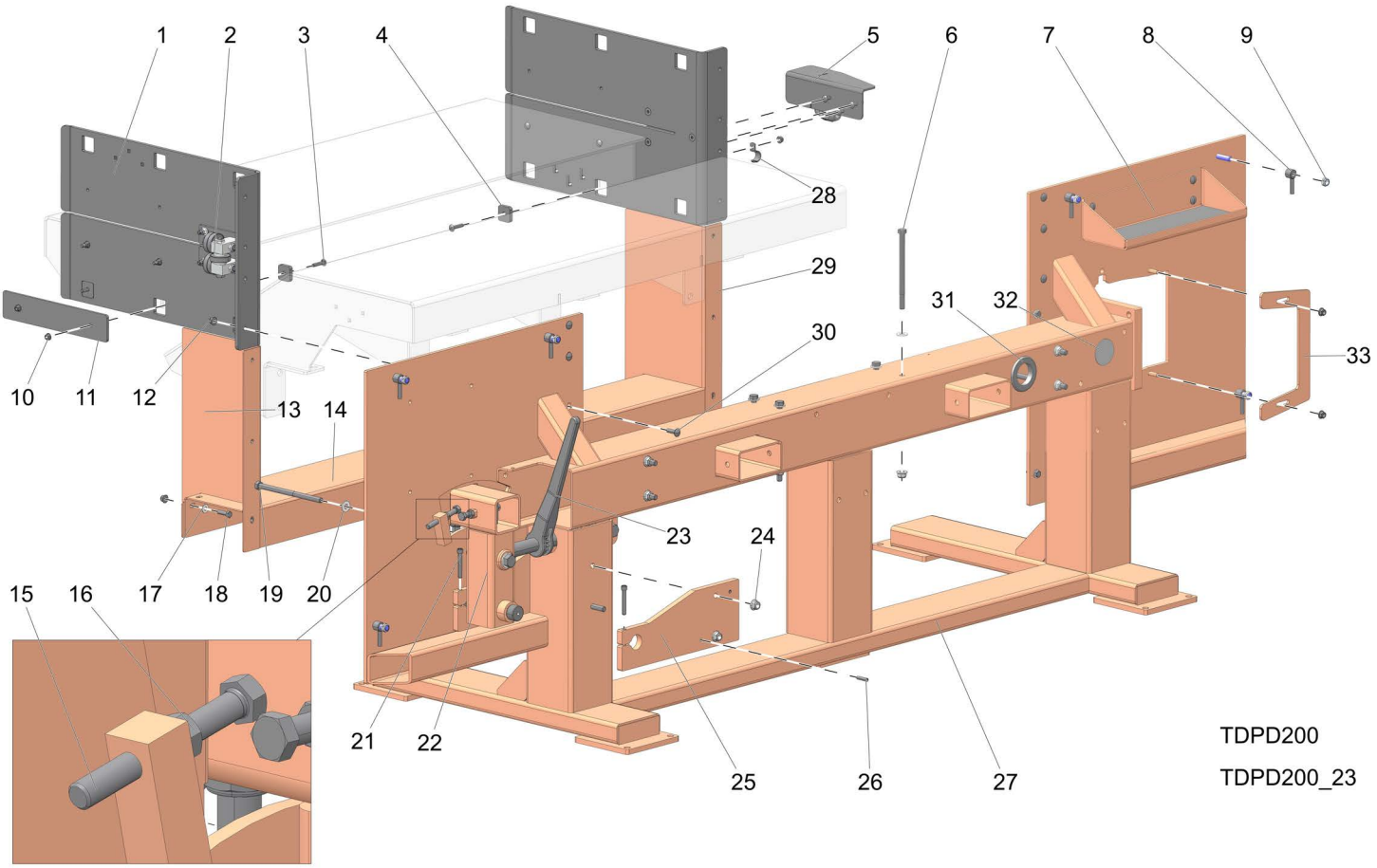


TDPD200

TDPD200_22

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143029	**Assembly, Electric Dismantler Drive**		1
1	F05011-27	Washer, 5/8 Split Zinc Lock		4
2	F05009-33	Bolt, 5/8-11x1 3/4 HH		4
3	079984	Hub Assembly, Dismantler Dr		1
4	079945	Bushing, P2x1 5/8		1
5	F05011-13	Washer, 5/16 Split Lock		3
6	F05006-93	Bolt, 5/16-18x1-1/4 HH FT Gr5		3
7	F05011-9	Washer, 1/2 Split Lock		4
8	F05008-33	Bolt, 1/2-13x1 1/2 HH Gr5		4
	079936	**Reducer Assy, 6:1 Inline**		1
	130150	**Coupler Assy, M38x1 3/8 BoWex**		1
9	014693	Key, 3/8x3/8x1 7/8		1
10	130184	Hub, Bowex Coupler, 1 3/8		1
11	130185	Sleeve, Bowex Coupler		1
12	130183	Reducer, 6:1 Inline		1

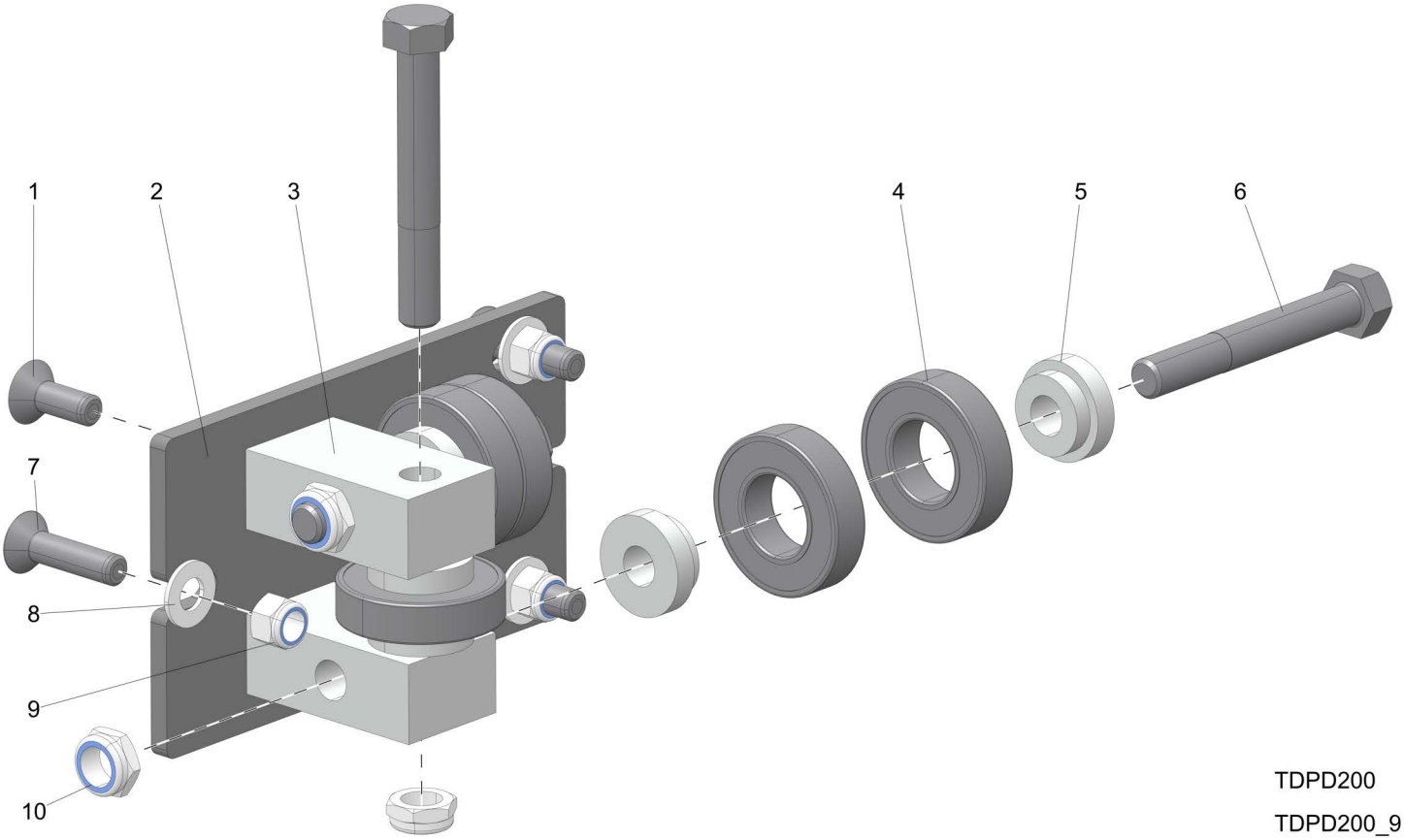
5.14 Center Drop Frame



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143023	**Assembly, Dism. 60" Center Drop Frame**		1
	143023-72	**Assembly, Dism. 72" Center Drop Frame**		1
1	079953	Plate, Dismantler Fence		2
2	079957	**Blade Guide Assembly, Dismantler**	*(See Section 5.15)*	2
3	F05006-153	Bolt, 5/16-18x1-1/2 Carriage		7
4	079659	Spacer, Dismantler Table		3
5	079681	**Control Assembly, Dismantler Front, CD**	*(See Section 5.16)*	1
6	F05008-173	Bolt, 1/2-13x7-1/2 HH Gr8 Zinc		8
7	143030	**Assembly, Dismantler Tool Tray**	*(See Section 5.17)*	1
8	021145	Nut Weldment, Cover		6
9	F05010-127	Nut, 1/2-13 Half Nylock, Znc		6
10	F05010-221	Nut, 5/16-18 Flanged Hex Nylock		7
11	079660	Plate, Table Mount		1
12	F05010-222	Nut, 3/8-16 Flanged Hex Nylock		16
13	079674	Guard, Dismantler Side, IS		1
14	079966	Guard, Dismantler Lower		1
	079966-72	Guard, Dismantler Lower, 72"		1
15	F05008-91	Bolt, 1/2-13x4 HH Gr2		1
16	F05010-35	NUT, 1/2-13 FREE HEX, ZINC		1
17	F05011-3	Washer, 3/8 Flat SAE		8
18	F05007-123	Bolt, 3/8-16x1 1/4 FT HH Gr5		8
19	F05008-69	BOLT, 1/2-13X8 HEX HEAD GR5, ZN		2

REF	PART #	DESCRIPTION	COMMENTS	QTY.
20	F05011-2	Washer, 1/2 SAE Flat		10
21	F05007-24	SCREW, 3/8-16X2 1/2 SOCKET HEAD CAP		2
22	143024	**Assembly, Dismantler Idle**	*(See Section 5.18)*	1
23	143026	**Assembly, Dismantler Ratchet**	*(See Section 5.19)*	1
24	F05010-223	Nut, 1/2-13 Flanged Hex Nylock		10
25	079963	Plate, Tensioner Mount		1
26	F05012-127	Pin, 5/16x1 1/4 Roll		2
27	079998	Frame Weldment, 60" Dismantler		1
	079998-72	Frame Weldment, 72" Dismantler, CU		1
28	P04851	Clamp, 3/4 EMT		1
29	079673	Guard, Dismantler Side, DS		1
30	F05007-127	Bolt, 3/8-16x1 1/4 Carriage Gr5		6
31	085614	Grommet, Rubber 2 1/2 Dia		2
32	036462	Plug, 2 1/2 Dia Dome		1
33	079981	Guard, Dismantler Drive		1

5.15 Blade Guide

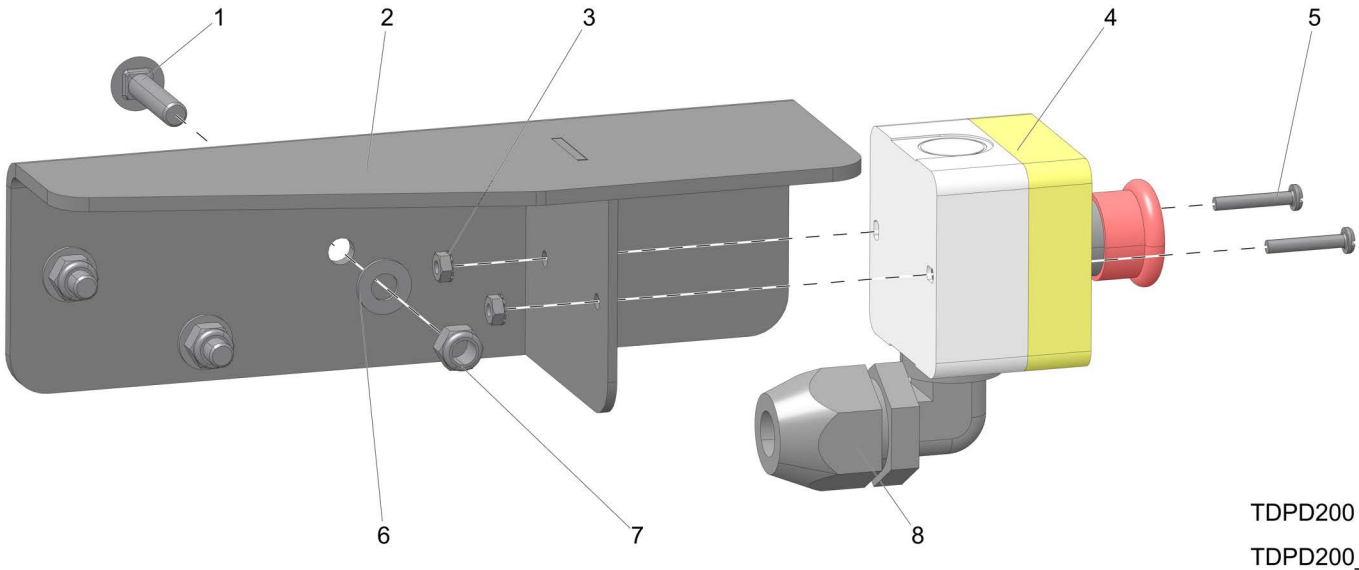


TDPD200

TDPD200_9

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	079957	**Blade Guide Assy, Dismantler**		2
1	F05007-64	Screw, 3/8-16x1 Zinc and Bake FS		2
2	079954	Mount, B/G Bearing		1
3	079955	Block, Dismantler Blade Guide		2
4	042360	Bearing, 1"IDx2"OD Radial Ball		5
5	079956	Spacer, Dismantler Blade Guide		6
6	F05008-61	Bolt, 1/2-13x3 1/2 Hex Head GR5 Zinc		3
7	F05007-247	Screw, 3/8-16x1 1/2 FHS SS		3
8	F05011-3	Washer, 3/8 Flat SAE		3
9	F05010-10	Nut, 3/8-16 Hex Nyl Lock		3
10	F05010-127	Nut, 1/2-13 Half Nylock, Znc		3

5.16 Front Control

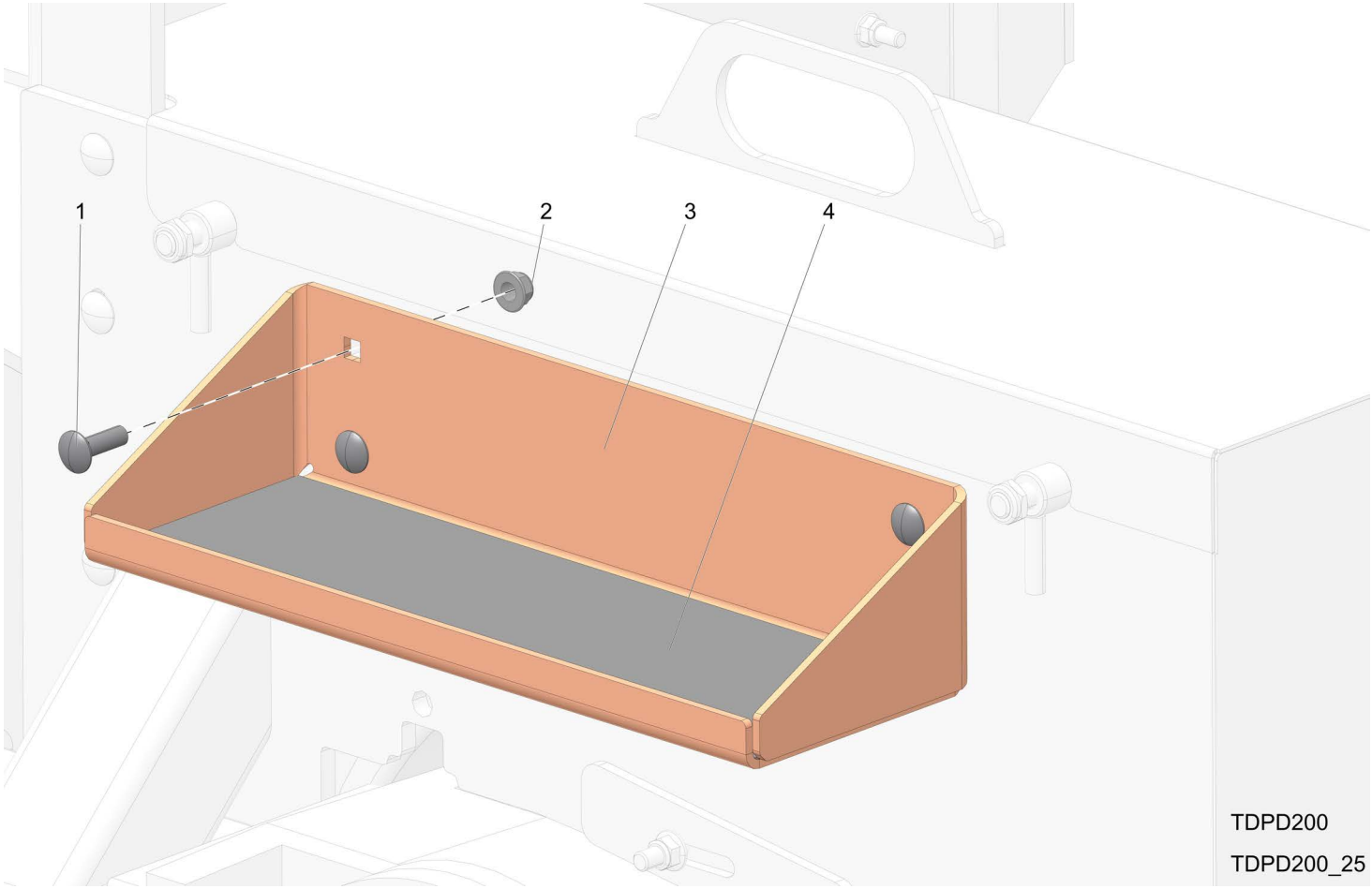


TDPD200

TDPD200_24

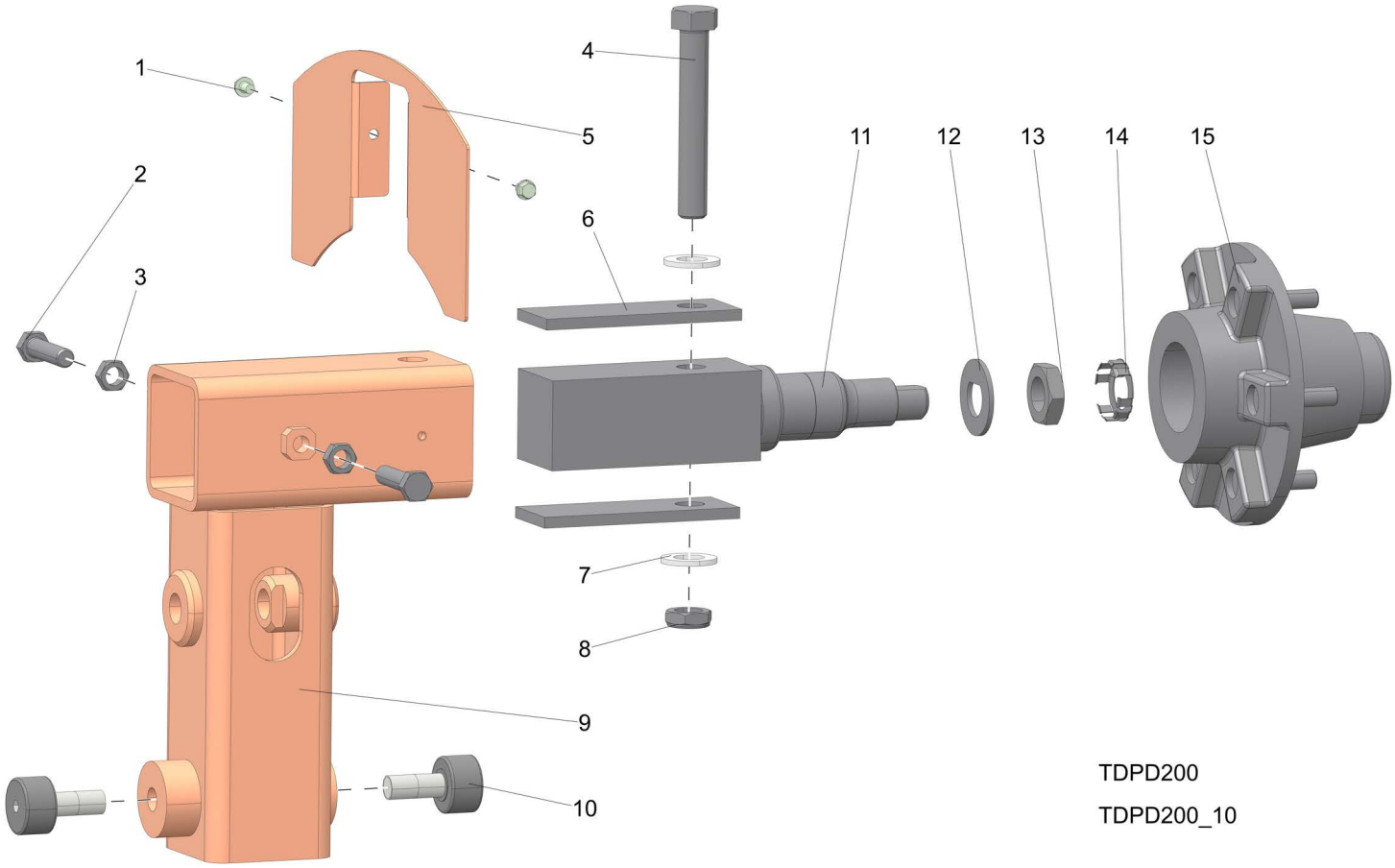
REF	PART #	DESCRIPTION	COMMENTS	QTY.
	079681	**Control Assembly, Dismantler Front, CD**		1
1	F05006-153	Bolt, 5/16-18x1-1/2 Carriage		3
2	079682	Brkt Wldmnt, Front Control, CD		1
3	F05010-41	Nut, #8-32 Self Locking		2
4	052999	E-Stop Box, 40mm Oper-10A NC		1
5	F05004-34	Screw, #8-32x1 S1 PH Machine Brass		2
6	F05011-17	Washer, 5/16 SAE Flat		3
7	F05010-58	Nut, 5/16-18 Nyl Lock		3
8	E22722	Connector, 1/2In 90 Deg Liquid Tight		1

5.17 Tool Tray



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143030	**Assy, Dismantler Tool Tray**		1
1	F05007-127	Bolt, 3/8-16x1 1/4 Carriage Gr5		4
2	F05010-222	Nut, 3/8-16 Flanged Hex Nylock		4
3	079982	Tray, Dismantler Tool		1
4	143025	Mat, 5-1/2 x 16-5/8 x 1/16 Rubber		1

5.18 Idle Assembly



REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143024	**Assy, Dismantler Idle**		1
1	F05005-78	Bolt, 1/4-20x3/8 Flanged		2
2	F05008-126	Bolt, 1/2-20x2 HHC,FT,Zn		2
3	F05010-16	Nut, 1/2-20 Hex Jam		2
4	F05009-88	Bolt, 3/4-10 x 5 HH		1
5	079983	Guard, Dismantler Idler		1
6	079988	Spacer, Dismantler Idle Side		2
7	F05011-62	Washer, 3/4 SAE Flat		2
8	F05010-122	NUT, 3/4-10 HALF NYLOC		1
9	079960	Tensioner Weldment, Dismantler		1
10	012797	Bearing, Cam Follower 1 1/2		2
	079921	**Shaft Assy, Dismantler Idle Side**		1
11	079992	Shaft, Dismantler Idler		1
12	045214	Washer, Spindle D		1
13	007654	Nut, 1-14 Spindle		1
14	007655	Retainer, Spindle Nut		1
15	079941	Hub, 6 lug Dismantler		1

5.19 Ratchet

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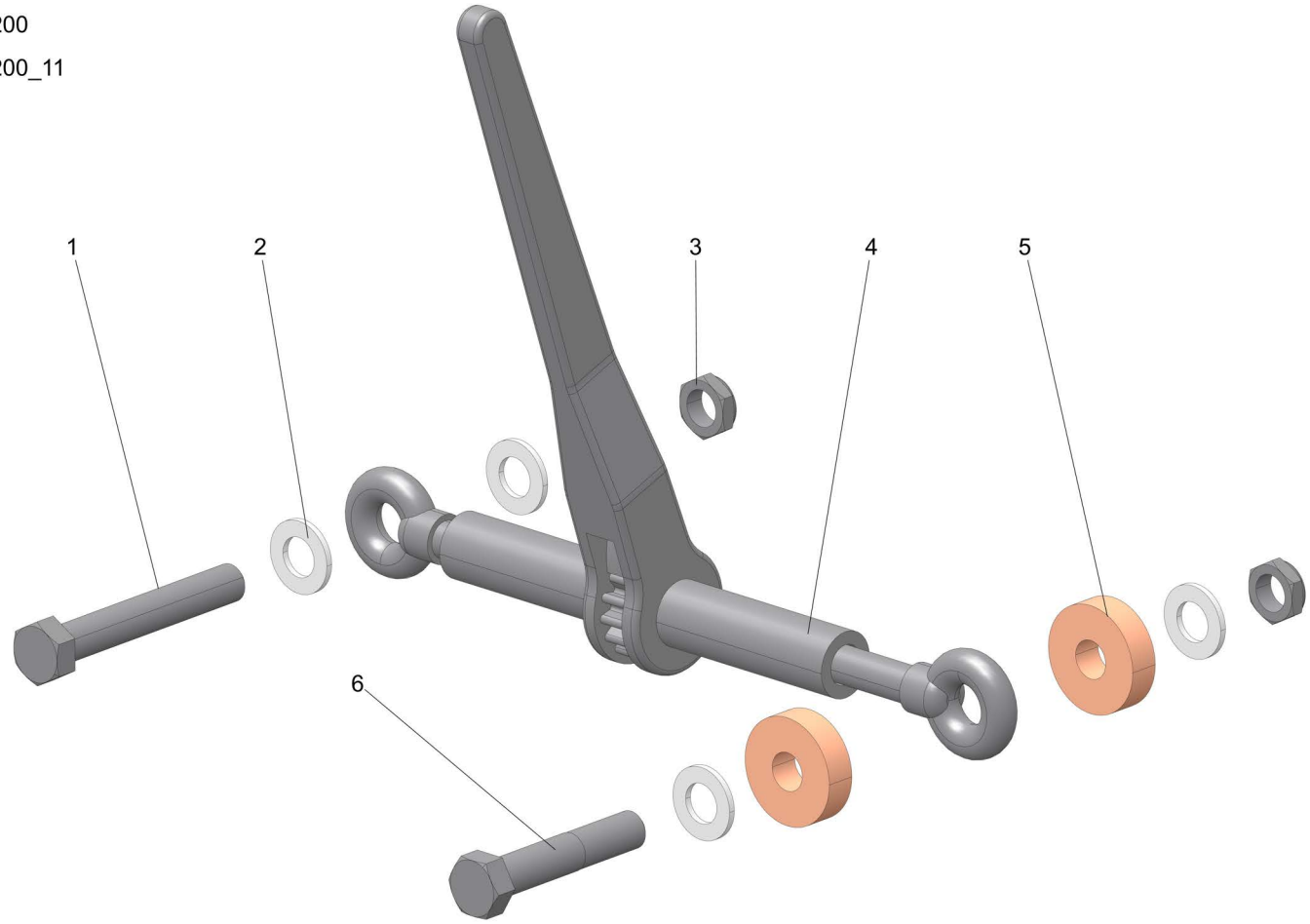

REF	PART #	DESCRIPTION	COMMENTS	QTY.
	143026	Assy, Dismantler Ratchet		1
1	F05009-88	Bolt, 3/4-10 x 5 HH		1
2	F05011-62	Washer, 3/4 SAE Flat		4
3	F05010-122	NUT, 3/4-10 HALF NYLOC		2
4	079975	Tensioner Ratchet, Dismantler		1
5	130258	Spacer, 3/4x2 3/16x5/8		2
6	F05013-3	Bolt, 3/4-10x4 HH Gr5		1