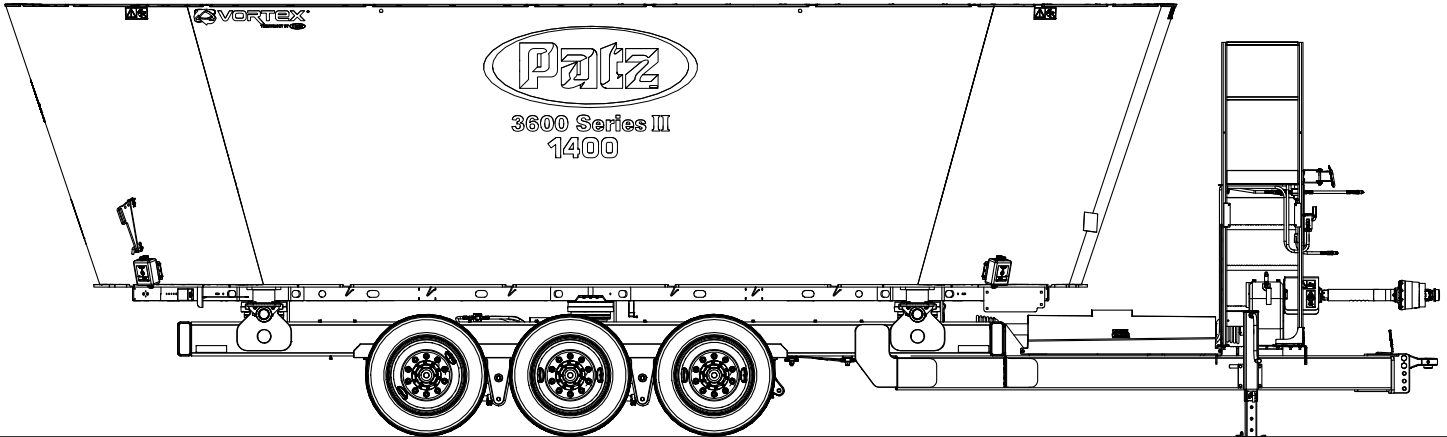




3600 Series II Trailer

Vertical Mixer 1400 Triple Screw Non-Steering & Self-Steering

Parts Manual



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Contents

Section 1: SAFETY INFORMATION	1.1–1.20
Safety Alert Symbol and Signal Word Definition.....	1.1
Personal Safety.....	1.1
Machine Safety.....	1.1
Information.....	1.1
Operate Equipment Safely.....	1.2
General Safety Instructions.....	1.2
Personal Safety.....	1.3
Machine Safety.....	1.4
Transportation Safety.....	1.5
Hydraulic Safety.....	1.6
Maintenance Safety.....	1.7
Fire and Explosion Prevention.....	1.8
Hazardous Chemicals.....	1.8
Safety Signs.....	1.9–1.20
Section 2: ABBREVIATIONS USED IN PARTS LIST	2.1–2.2
Section 3: HOW TO ORDER REPLACEMENT PARTS	3.1
Figure 1: Front Discharge Door, Tub Restrictor, Parts List.....	3.2, 3.3
Figure 2: Side Discharge Door, Parts List.....	3.4, 3.5
Figure 3: Commodity (Rear) Discharge Door, Parts List.....	3.6, 3.7
Figure 4: Vertical Mixer Vortex® Screw (<i>Multi-Angle Top</i>), Parts List.....	3.8, 3.9
Figure 5: Vertical Mixer Vortex® Screw (<i>Cone Top</i>), Parts List.....	3.10, 3.11
Figure 6: Knife Packages, Parts List.....	3.12, 3.13
Figure 7: Trailer Parts, Non-Steering—Frame Hardware, Parts List.....	3.14, 3.15
Figure 8: Trailer Parts, Non-Steering—Axle, Hub, Wheels, Parts List.....	3.16, 3.17
Figure 9: Trailer Parts, Non-Steering—Suspension, Parts List.....	3.18, 3.19
Figure 10: Trailer Parts, Self-Steering—Frame Hardware, Parts List.....	3.20, 3.21
Figure 11: Trailer Parts, Self-Steering—Steering Axles, Hub, Wheels, Parts List.....	3.22, 3.23
Figure 12: Trailer Parts, Self-Steering—Non-Steering Axle, Parts List.....	3.24, 3.25
Figure 13: Trailer Parts, Self-Steering—Suspension, Parts List.....	3.26, 3.27
Figure 14: Hydraulic Systems—Self-Steering System, Parts List.....	3.28, 3.29
Figure 15: Hydraulic Systems—Brake Systems, Parts List.....	3.30, 3.31
Figure 16: Parking Brake, Parts List.....	3.32, 3.33
Figure 17: Platform, Battery Holder, Indicator Extension Arm, Manual Pack, Parts List.....	3.34, 3.35
Figure 18: Secondary Driveline Shaft Cover, Parts List.....	3.36, 3.37
Figure 19: LED Tail Lamps, Parts List.....	3.38, 3.39
Figure 20: Decals (Side), Parts List.....	3.40, 3.41
Figure 21: Decals (Front and Rear), Parts List.....	3.42, 3.43
Figure 22: Planetary Gearbox with Hoses, Parts List.....	3.44, 3.45
Figure 23: Primary Driveline, Parts List.....	3.46, 3.47
Figure 24: Secondary & Tertiary Driveline, Parts List.....	3.48, 3.49
Figure 25: Quadinary Driveline, Parts List.....	3.50, 3.51

Contents

Figure 26: Powershift Gearbox Package, Parts List.....	3.52, 3.53
Figure 27: Powershift Control Box, Parts List.....	3.54, 3.55
Figure 28: Hydraulic Control Center 5FN, Parts List	3.56, 3.57
Figure 29: Powershift Transmission, Parts List	3.58, 3.59
Figure 30: 2-Speed Gearbox Package, Parts List.....	3.60, 3.61
Figure 31: 2-Speed Gearbox Cooling System, Parts List.....	3.62, 3.63
Figure 32: 2-Speed Gearbox, Inline AP602 1:1 1:1.8, Parts List.....	3.64, 3.65
Figure 33: Shift Control, Parts List.....	3.66, 3.67
Figure 34: Discharge Supports, Parts List.....	3.68, 3.69
Figure 35: Flat Discharge–Sliding (Conveyor), Parts List.....	3.70, 3.71
Figure 36: Flat Discharge–Sliding (Shrouds), Parts List.....	3.72, 3.73
Figure 37: Flat Discharge–Sliding (Hydraulics), Parts List	3.74, 3.75
Figure 38: Flat Discharge–Sliding, Reversible (Conveyor), Parts List.....	3.76, 3.77
Figure 39: Flat Discharge–Sliding, Reversible (Shrouds), Parts List.....	3.78, 3.79
Figure 40: Flat Discharge–Sliding, Reversible (Hydraulics), Parts List	3.80, 3.81
Figure 41: Discharge Supports—41" Discharge, Parts List.....	3.82, 3.83
Figure 42: Incline Discharge–Adjustable 41" (Flat Conveyor), Parts List.....	3.84, 3.85
Figure 43: Incline Discharge–Adjustable 41" (Incline Conveyor), Parts List.....	3.86, 3.87
Figure 44: Incline Discharge–Adjustable 41" (Shrouds), Parts List.....	3.88, 3.89
Figure 45: Incline Discharge–Adjustable 41" (Hydraulics), Parts List.....	3.90, 3.91
Figure 46: Side Discharge Conveyor–Manually Adjustable, Parts List	3.92, 3.93
Figure 47: Side Discharge Conveyor–Hydraulically Adjustable, Parts List	3.94, 3.95
Figure 48: Discharge Additional Packages, Parts List.....	3.96, 3.97
Figure 49: Ladder, Parts List	3.98, 3.99
Figure 50: dg Scale Options, WX Scale Options, & EZ Scale Options, Parts List	3.100, 3.101
Figure 51: Camera Package, Parts List.....	3.102, 3.103
Figure 52: Tub Mounted Magnet, Parts List	3.104, 3.105
Figure 53: Rubber Side Extensions Package, Parts List.....	3.106, 3.107
Figure 54: Steel Side Extensions Package (18" & 24"), Parts List	3.108, 3.109
Figure 55: Pipe Hay Deflector Package, Parts List	3.110, 3.111
Figure 56: Planetary Cooling System–V-Pulley Assembly, Parts List	3.112, 3.113
Figure 57: Planetary Cooling System–Radiator #1, Parts List	3.114, 3.115
Figure 58: Planetary Cooling System–Radiator #2 & #3, Parts List.....	3.116, 3.117

Section 4: NUMERICAL PARTS LIST4.1–4.6

Safety

Safety Information Safety Alert Symbol and Signal Word Definition

Personal Safety



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible death or serious injury.

Throughout this manual you will find the signal words **Danger**, **Warning**, and **Caution** followed by special instructions. These precautions are intended for the personal safety of you and those working with you.

Read and understand all the safety messages in this manual before you operate or service the machine.



DANGER indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.

FAILURE TO FOLLOW DANGER, WARNING, AND CAUTION MESSAGES COULD RESULT IN DEATH OR SERIOUS INJURY.

Machine Safety

Notice: *Notice indicates a situation that, if not avoided, could result in machine or property damage.*

Throughout this manual you will find the signal word “**Notice**” followed by special instructions to prevent machine or property damage. The word “Notice” is used to address practices not related to personal safety.

Information

Note: *Note indicates additional information that clarifies steps, procedures, or other information in this manual.* Throughout this manual you will find the word “**Note**” followed by additional information about a step, procedure, or other information in the manual. The word “Note” is not intended to address personal safety or property damage.

Safety

OPERATE EQUIPMENT SAFELY

Safety information is provided as guidelines to prevent personal injury, equipment damage, and property damage. Read this operator's manual thoroughly prior to starting, operating, servicing, storing or conducting any other function on machine. A few minutes reading now will save time and confusion in the future. Operators should observe all manufacturer guidelines; obey all public safety rules and regulations; and remain alert at all times.

GENERAL SAFETY INSTRUCTIONS

1. Develop and implement a business and/or work safety plan that includes:
 - a. Qualified accident prevention training;
 - i. Personal Protection Equipment (PPEs)
 - ii. Hazard Awareness
 - b. Accident/Incident response training:
 - i. Basic First Aid
 - ii. Basic Fire Suppression
 - iii. Basic Hazardous Material Containment
 - c. Machine operating training;
 - d. Assign emergency responsibilities, and
 - e. Emergency contact information.
2. Maintain a complete first aid kit for immediate access.
3. Maintain an appropriate fire extinguisher near machine and/or power unit.
4. Do not power, operate, adjust, service, inspect, or move this machine prior to reading and understanding the Operator's Manual, and/or completing proper machine training in intended use.
5. Machine safety devices and/or features are provided to protect operator from personal injury or death and may not be removed or disabled.
6. Keep all guards, shields, and safety devices in place, secured, and in proper working condition.
7. Do not use machine or attachments as a lift, ladder, or platform for working at heights.
8. Keep all safety signs clean, readable, and visible at all times. Replace any damaged safety signs immediately.
9. Operators should demonstrate sufficient mental and physical skills and receive adequate training to safely operate machine.
10. Operate machine only in compliance with all national, state, and local labor laws.
11. Do not operate machine under the influence of drugs or alcohol, when fatigued, or in ill health.
12. Do not permit unauthorized personnel to operate machine.
13. Keep children away and/or under adult supervision at all times.
14. Operator should be familiar with all potential hazards in operating environment prior to operating machine, such as: trees, ditches, embankments, structures, facilities, and etc.
15. Observe overhead structures or power lines and verify machine and attachments may pass safety beneath.
16. Observe total width and length of machine when operating, maneuvering, and transporting.
17. Observe all recommendations published in this manual, including: service intervals, torque values, lubrication intervals, etc.

Safety

PERSONAL SAFETY

1. The wall of a silage pile may unexpectedly collapse and pose an entrapment and suffocation hazard. People around material piles should maintain a distance at least three-times the height of piles.
2. Wear Personal Protective Equipment (PPE) such as: hard hat, eye protection, heavy gloves, hearing protection, protective clothing, steel-toed shoes, etc.
3. Dust, chaff or other debris can reduce visibility. Wear appropriate personal protective equipment (PPE), such as safety glasses to protect eye sight when operating and/or servicing machine.
4. Wear appropriate hearing protection when noise level is a concern.
5. Keep hands, feet, hair and clothing away from power driven components.
6. Do not wear loose fitting clothing near power driven components.
7. Keep all safety signs clean, readable, and visible at all times. Replace any damaged safety signs immediately.
8. Manual or hand loading of machine is prohibited.
9. Do not attempt to remove material from any part of machine when in operation or while components are in motion.
10. Do not permit persons to position themselves above chest height at the top of machine, creating a fall hazard inside machine.
11. Do not mount or dismount machine when in motion; falling beneath moving equipment will result in personal injury or death.
12. When mounting and dismounting machine, face machine and use ladder steps and hand rails provided, maintaining a three-point contact. Do not use controls or accessories as handles or steps.
13. Attend operating machine at all times.
14. Remain alert and attentive while operating.
15. Strong magnets may be in use. Persons with pacemakers and other implanted medical devices must maintain a minimum distance of 12" (305 mm) from installed magnets.

Safety

MACHINE SAFETY

1. Verify tractor/power unit is in safe operating condition, specifically:
 - a. Adequate braking capacity, especially on uneven ground;
 - b. Verify tractor braking function prior to operating and towing machine;
 - c. Adequate ballast for steering, turning, and braking with machine in tow;
 - d. Refer to tractor/power unit operator manual prior to use for more information.
2. ASABE (American Society of Agricultural and Biological Engineers) S365.9 recommends the gross weight of the towed equipment (Vertical Mixer) may not exceed 1.5 times the weight of the towing unit (tractor). (See machine specifications for estimated weight of machine with maximum load).
3. Minimum tractor power take-off (PTO) horsepower required for continuous run is stated in machine specifications section.
4. Match correct tractor PTO spline and speed to machine PTO driveshaft to ensure proper geometry and operating speed.
5. Do not operate 540 RPM machine at 1000 RPM.
6. Do not operate 1000 RPM machines at 540 RPM.
7. PTO spline adapters are prohibited; void all warranties, and damage tractor PTO, PTO driveshaft, and machine.
8. Verify PTO lock pin or collar is properly engaged in tractor PTO shaft when connecting machine to tractor. If incorrectly locked, PTO shaft may disconnect and cause accidents and/or damage to machine.
9. Keep all safety signs clean, readable, and visible at all times. Replace any damaged safety signs immediately.
10. Operate controls only when seated in operator's seat, except for controls expressly intended for use from other locations.
11. Keep all guards and shields in place when operating machine.
12. Starting machine under load may require additional horsepower (see machine specifications).
13. Verify immediate area is clear of personnel, livestock, obstacles/obstructions, and debris prior to operating.
14. Verify machine is clear of personnel, tools and other objects prior to applying power.
15. Caution when top-loading machine. Loader bucket contents create a falling object hazard to persons, livestock, and property. Keep persons and property away when operating elevated equipment.
16. In the event of any damage or failure of machine during operation, immediate emergency procedures are:
 - a. Disengage power take-off (PTO);
 - b. Shut off tractor;
 - c. Remove ignition key;
 - d. Make sure all moving parts have come to a complete stop;
 - e. Disconnect machine PTO driveshaft from tractor/power unit;
 - f. Conduct a thorough inspection to determine cause of failure and assess damage;
 - g. Complete repairs and correct faults prior to restarting and/or continuing operation.
17. Turn off and lockout power after machine use.

Safety

TRANSPORTATION SAFETY

1. Keep all safety signs clean, readable, and visible at all times. Replace any damaged safety signs immediately.
2. Operators shall possess a valid, local vehicle operating permit.
3. Passengers/riders on machine are prohibited.
4. Verify SMV emblem and all required lights and reflectors are in place, clean, and visible to all overtaking and oncoming traffic.
5. Maintain clean windows, mirrors, lighting, and SMV emblem to ensure optimum visibility when operating machine.
6. Observe all local regulations and traffic laws controlling the operation and/or transportation of agricultural equipment on public roadways. Consult local law enforcement agency for further details.
7. Properly secure machine and/or equipment for transport on a transport trailer. SMV emblem should be removed or covered when machine is transported at normal road speeds.
8. Safety chains provided with machine are required for towed equipment.
9. Connect safety chains provided with machine to tractor drawbar, preventing unexpected separation.
10. Illuminate hazard warning flashers on tractor/power unit and machine when towing on public roadways, except where prohibited by law.
11. Display additional caution lighting and/or deploy pilot vehicles when transporting during periods of reduced or limited visibility.
12. If machine is not equipped with brakes, it relies on tractor braking system and tractor weight to control and stop the unit. Use a tractor of sufficient size, weight, and horsepower to meet all requirements.
13. Wear tractor safety belt/harness when operating.
14. Join tractor brake (left, right) pedals prior to towing machine to ensure adequate motion control.
15. Observe safe and appropriate travel speeds for conditions to maintain complete control and machine stability at all times.
16. Maintain appropriate speed for conditions to ensure safe operation and adequate distance for emergency stopping.
17. Reduce speed for road travel, steep grades, turns, curves, uneven surfaces, and rough roads to avoid roll-over hazards.
18. Avoid soft shouldered and high crowned roads.
19. Remain in your lane and yield right-of-way, allow faster traffic to pass.
20. Keep tractor in gear to maintain proper control and provide engine braking. Do not disengage tractor transmission when towing machine at any speed or on any surface.
21. If the machine becomes stuck in sand, mud, snow or ice pull from front hitch only. Do not pull from the rear of mixer. Damage may occur. Use adequate chain size to extract a mixer which is stuck.
22. If the mixer gets stuck, check over hydraulic hoses, wiring and drive line after extraction. Make sure they are working properly and free from any obstruction.
23. DO NOT EXCEED 20 MPH (32 KM/H).

Safety

HYDRAULIC SAFELY

1. Routinely inspect hydraulic lines and systems for damage, such as: worn, cut, abraded, flattened or crimped hoses or metal lines. Service and replace immediately if damaged.
2. Do not alter hydraulic system relief valve settings.
3. When inspecting hydraulic systems wear proper hand and eye protection due to high pressure leak hazard.
4. Safely deflect high pressure hydraulic leaks away from person with rigid, handheld barrier (e.g. wood, cardboard, plastic, etc.). Do not deflect or cover hydraulic leaks with hands or body. Hydraulic systems have sufficient force to penetrate skin, causing serious injury.
5. When injured or in contact with a concentrated, high pressure stream of hydraulic fluid or any petroleum product, seek immediate medical attention. Serious infection and/or toxic reaction may result from petroleum-based contaminants penetrating the skin surface.
6. Continuous, long term contact with hydraulic fluid may cause skin cancer. Avoid long term contact; clean affected skin immediately and thoroughly with soap and water.
7. Verify all hydraulic system components remain clean and in proper working condition.
8. Verify all connections are properly seated, and tight prior to pressurizing hydraulic system.
9. Relieve hydraulic line pressure at all points prior to disconnecting hydraulic lines or servicing components.
10. Do not operate failed or compromised hydraulic systems, or make temporary repairs to damaged hydraulic lines, hoses, or fittings/connections using tape, clamps, cement, etc. Hydraulic systems operate at extremely high pressure. Improper repairs will fail suddenly and create a hazardous condition.

Safety

MAINTENANCE SAFETY

PRACTICE SAFE MAINTENANCE BY:

1. Follow best service center practices:
 - a. Maintain a clean, dry service area;
 - b. Properly wire/ground all electrical outlets and power tools;
 - c. Provide adequate lighting;
 - d. Do not work alone.
2. Wear Personal Protective Equipment (PPE) such as: hard hat, eye protection, heavy gloves, hearing protection, protective clothing, steel-toed shoes, etc.
3. Properly record machine maintenance on Patz machine maintenance log provided in Operator's Manual.
4. Do not service, clean or clear obstructions, or make adjustments to machine while operating or in motion.
5. Service machine on firm, level surface.
6. Block or chock wheels if unhooked from tractor/power unit.
7. Disengage PTO, shut off tractor, remove ignition key, verify all moving parts have come to a complete stop, and disconnect PTO shaft prior to cleaning, adjusting, or servicing machine.
8. Make sure maintenance personnel have the mental and physical skills necessary to complete any maintenance and operate the mixer.
9. Properly maintain steps, ladders, and platform surfaces, keeping clean and clear of debris to minimize fall hazards.
10. Routinely inspect and properly maintain, adjust, and secure all guards, shields, attachments, and other components.
11. When conducting general machine wheel or axle maintenance, use appropriate safety-stand with adequately rated capacity for machine weight.
12. When welding on machine, disconnect power source to scale system. Ground welder at weld point. Do not draw weld current through weigh bars by grounding to frame and welding on mixing chamber. Improper grounding when welding may cause sever damage to scale components and voids scale system warranty.
13. Wash hands immediately after handling battery components.
14. Routinely inspect tires for proper inflation, tread damage or wear, and wheel damage.
15. For proper tire and wheel service contact Patz Dealer or qualified tire technician. When on-site service is not available, deliver complete wheel assembly to service center for repairs. Explosive separation of tire may cause serious injury.
16. Wheel assemblies are heavy. Handling wheel assemblies without proper equipment may result in personal injury or death.
17. Completely remove tire from rim prior to welding on wheel/rim. High temperatures produced from welding will heat tires, generating a gas mixture and ignite. Deflating tire or loosening tire on rim (breaking the bead) will NOT eliminate hazard.
18. If someone must service inside the mixing chamber, turn off tractor engine, remove ignition key, and disconnect power take-off (PTO) shaft prior to entering machine. Station a safety observer outside machine at all times when servicing inside machine.
19. Verify all guards, shields, and attachments are in place and properly secured when maintenance is complete.

Safety

FIRE AND EXPLOSION PREVENTION

1. Fuel or oil leaked or spilled on hot surfaces or electrical components can cause a fire.
2. Crop residues, trash, debris, bird nests, or flammable material can ignite on hot surfaces.
3. Always have a fire extinguisher near the machine.
4. Make sure fire extinguisher(s) is maintained and serviced according to manufacturer's instructions.
5. At least once each day and at the end of the day, remove all trash and debris from the machine especially around hot components such as the engine, transmission, exhaust, battery, etc. More frequent cleaning of your machine may be necessary depending on the operating environment and conditions.
6. Inspect electrical system for loose connections and frayed insulation. Repair or replace loose or damaged parts.
7. Do not store oily rags or other flammable material on machine.
8. Do not weld or flame cut any component containing flammable material. Clean items thoroughly with non-flammable solvents before welding or flame-cutting.
9. Promptly investigate unusual smells or odors that may occur during operation of machine.

HAZARDOUS CHEMICALS

1. If you are exposed to or come in contact with hazardous chemicals you can be seriously injured. The fluids, lubricants, paints, adhesives, coolants, etc. required for the function of your machine can be hazardous. They may be attractive and harmful to domestic animals as well as humans.
2. Safety Data Sheets (SDS) provide information about the chemical substances within a product, safe handling and storage procedures, first aid measures, and storage procedures to take, in the event of a spill or accidental release. SDS are available from your Patz Dealer.
3. Before you service your machine check the SDS for each lubricant, fluid, etc. used in this machine. This information indicates the associated risks and will help you service the machine safely. Follow the information in the SDS, and on manufacturer containers, as well as the information in this manual, when you service the machine.
4. Dispose of all fluids, filters, and containers in an environmentally safe manner according to local law and regulations. Contact local environmental and recycling centers or contact your Patz Dealer for correct disposal information.
5. Store fluids and filters in accordance with local laws and regulations. Use only appropriate containers for the storage of chemicals or petrochemical substances.
6. Keep out of reach of children or other unauthorized persons.
7. Additional precautions are required for applied chemicals. Obtain complete information from the manufacturer or distributor of the chemicals before you use them.

Safety

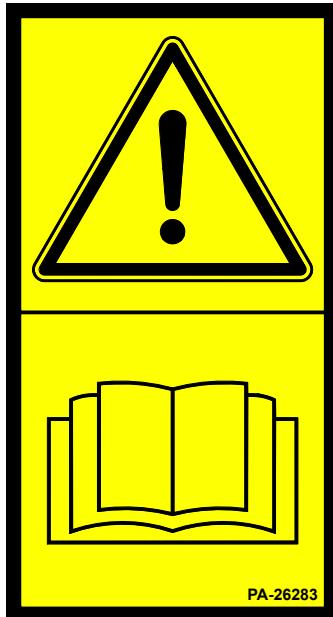
SAFETY SIGNS

Read and follow all safety signs on your machine and in this manual. Replace damaged safety signs immediately. Contact your Patz Dealer or Patz Corporation for replacement safety signs.

Note: The number in [] following the location of the safety sign is the number of safety signs on the machine.

Replacement Safety Sign Application

The surface **MUST** be free from dirt, dust, grease, and other foreign material before applying the new safety sign. To apply a solid-formed safety sign, remove the smaller portion of the safety sign backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Slowly peel off the other portion of the backing paper while applying hand pressure to smooth out the safety sign surface.



CAUTION: ALWAYS read and abide by the Safety Rules and information shown on Safety Signs. If Safety Sign(s) become(s) damaged, unreadable, or if the machine is repainted, the Safety Sign(s) **MUST** be replaced. If repainting, **MAKE SURE ALL** Safety Signs which apply to your machine are properly affixed to the machine in their proper locations.



CAUTION: Do not operate, service, inspect, move or otherwise handle this vertical mixer unless you have read, understand and follow the safe operating practices defined in the operator's manual shipped with this machine and you have been properly trained in its intended use.

1. Do not operate without all guards and shields in place. Keep hands, feet, hair, and clothing away from moving components.
2. Be sure tractor has adequate horsepower, weight and braking to control the loaded mixer.
3. Make sure machine is clear of people, tools, and other objects before applying power.
4. Make certain everyone is clear before moving mixer or engaging PTO.
5. Keep children away and/or under adult supervision at all times.
6. Do not use jack stand to support loaded mixer.

Failure to comply may result in minor or moderate injury!

PA-26283 Located on the left front side of the mixing chamber. [1]

SAFETY SIGNS



DANGER: Entanglement Hazard, Rotating Driveline!

Do not operate without:

- Driveline, tractor, and equipment shields in place.
- Driveline securely attached at both ends.
- Driveline shields that turn freely on driveline.

Failure to comply will result in death or serious injury!

PA-6372 Located on primary driveline [1].

DANGER: Rotating shaft can entangle and dismember! You must not operate, service, inspect or otherwise handle this mixer unless you have read, understand, and follow the safe operating practices defined in the operator's manual shipped with this machine and you have been properly trained in its intended use.

Do not operate without all guards and shields in place.

Failure to comply will result in death or serious injury!

PA-28471 Located on primary driveline [1].



DANGER: Shield Missing

Do not operate.

This shield has been removed, do not operate this unit.

Failure to comply will result in death or serious injury!

PA-7255 Located on secondary driveline under secondary guard. [1] (Walterscheid Decal)

PB-1758 Located on secondary driveline under secondary guard. [1] (Weasler Decal)

PA-7842 Located on primary driveline under guard. [1] (Weasler Decal)

SAFETY SIGNS

DANGER: Rotating shaft can entangle and dismember!

Do not operate without all guards and shields in place.

Failure to comply will result in death or serious injury!

PA-28446 Located on each side of PTO shaft guard. [2]



DANGER: Rotating shaft can entangle and dismember!

Do not operate without all guards and shields in place.

Failure to comply will result in death or serious injury!

PA-28445 Located on both sides of driveline guard. [2]
Located on both sides of the 2-speed guard. [2]

DANGER: Rotating auger can cause death!

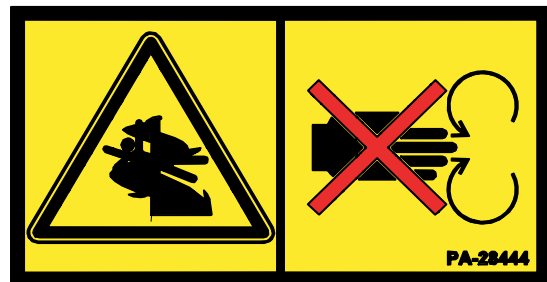
Do not operate without all guards and shields in place.

Stay away, Stay off.

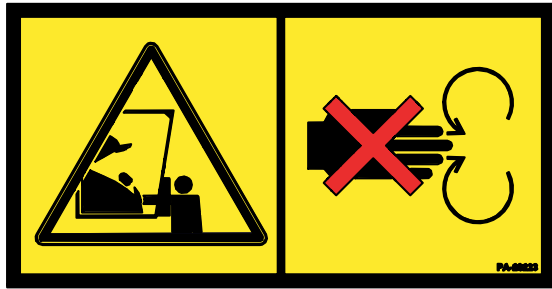
Do not enter mixing chamber.
Do not remove twine or wrap from commodities in mixing chamber.

Failure to comply will result in death or serious injury!

PA-28444 Located on side discharge door shield beneath deflector bar. [1]



SAFETY SIGNS



DANGER: Rotating auger can cause death!

Do not operate without all guards and shields in place.

Stay away, Stay off.

Stay clear of rotating auger.

Failure to comply will result in death or serious injury!

PA-28223 Located on lower right side of discharge door.
[1]

DANGER: Rotating auger can cause death!

Stay away, Stay off.

- Do not enter mixing chamber.
- Do not remove twine or wrap from commodities in mixing chamber.

Failure to comply will result in death or serious injury!

PA-28073 Located on lower left side of discharge door
[1]



DANGER: Rotating auger can cause death!

Do not operate without all guards and shields in place.

Stay away, Stay off.

- Do not enter mixing chamber.
- Do not remove twine or wrap from commodities in mixing chamber.

Failure to comply will result in death or serious injury!

PA-28443 Located on top front and rear of mixing chamber, and to right and left sides. [4]



SAFETY SIGNS



WARNING: Falling or tripping from elevated position.

Stay a safe distance from the machine.

Failure to comply could result in death or serious injury!

PA-28220 Located on left front side of the mixing chamber. [1]

WARNING: Falling object.

Stay a safe distance from the machine.

Failure to comply could result in death or serious injury!

PA-28221 Located on left front side of the mixing chamber. [1]



WARNING: Moving parts can crush or dismember!

Do not operate without all guards and shields in place.

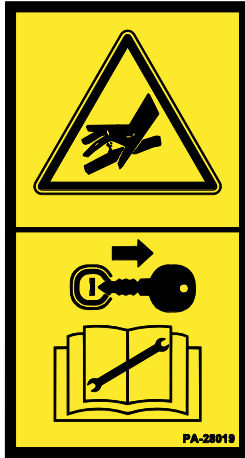
Stay clear of moving parts.

Failure to comply could result in death or serious injury!

PA-28450 Located centered on side discharge door shield. [1] Located to the right but centered to the SMV symbol on back door shield. [1]

SAFETY SIGNS

WARNING: Fluid under Pressure!



1. This machine is operated by hydraulic oil under pressure. Escaping hydraulic fluid under pressure can be invisible and can penetrate the skin.
2. Do not use hands to search for leaks. Relieve pressure prior to disconnecting hydraulic lines. Components can be hot.
3. Disengage PTO, shut off power source, lock out, tag out, verify all moving parts have come to a complete stop. Disconnect PTO shaft prior to cleaning, adjusting, or servicing machine.

Failure to comply could result in death or serious injury!

PA-28019 Located on the left front side of the mixing chamber. [1]

WARNING: Moving parts can crush or dismember!

Do not operate without all guards and shields in place.

Stay clear of moving parts.

Failure to comply could result in death or serious injury!

PA-28449 Located on side of discharge conveyor. [1-2]



WARNING: Moving parts can crush or dismember!

Stay clear of moving parts.

Stay a safe distance from the machine.

Failure to comply could result in death or serious injury!

PA-28459 Located on side of incline discharge conveyor. [2]

SAFETY SIGNS



WARNING: Falling from moving equipment!

Do not ride, on platform or ladder.

Stay off machine while being towed!

Failure to comply could result in death or serious injury!

PA-28018 Located on top front side of the mixing chamber. [1] Located to the left side of ladder mount ears. [1]

WARNING: Strong Magnet in Use!

Stay away, Keep away.

Keep people with pacemakers or other similar implanted devices at least 12" (305 mm) away from strong magnets if installed.

Failure to comply could result in death or serious injury!

PA-25168 Located on tub magnet. [1]



CAUTION: Flying Object.

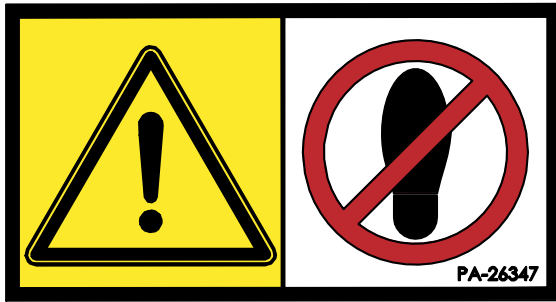
Do not pull from rear of machine. Damage may occur. Use adequate chain size to extract a machine which is stuck.

If machine becomes stuck in sand, mud, snow, or ice, pull from front hitch only.

Failure to comply may result in minor or moderate injury!

PA-28083 Located on rear of trailer frame. [1]

SAFETY SIGNS



CAUTION: No Step, No Stand

Do not operate without all guards and shields in place.

Failure to comply may result in minor or moderate injury!

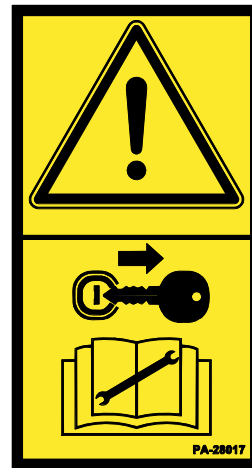
PA-26347 Located on each side of shaft cover. [2]

CAUTION: Shut off engine and remove key before performing maintenance or repair work.

1. Shut off the tractor, remove the ignition key verify all moving parts have stopped, and disconnect PTO shaft before adjusting or servicing.
2. Consult technical manual for proper service procedures.

Failure to comply may result in minor or moderate injury!

PA-28017 Located on the left front side of mixing chamber. [1]



CAUTION: Do Not Exceed 1000 RPM!

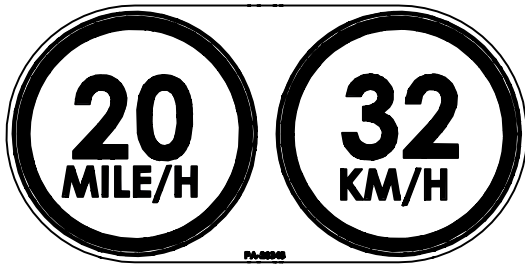
Machine is equipped to operate at speeds not to exceed 1000 PTO RPM.

Do not operate without all guards and shields in place.

Failure to comply may result in minor or moderate injury!

PA-28219 (1000 RPM) Located on both sides of PTO guard. [2]

SAFETY SIGNS



CAUTION: Maximum Road Speed

You can lose control of tractor and machine.

Do not exceed 20 MPH (32 km/h) when towing machine.

Use large enough tractor

Keep tractor in gear going downhill.

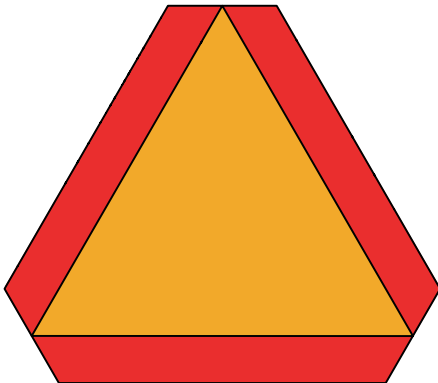
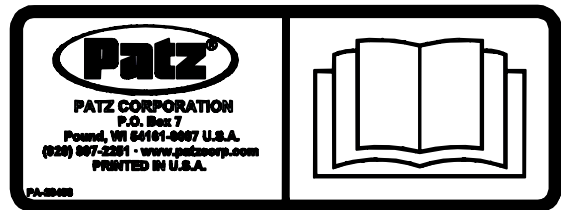
Failure to comply may result in minor or moderate injury!

PA-28343 Located on the top front of PTO guard. [1]

Note: Manual(s) and warranty information found inside.

Contact Information for Patz Corporation.

PA-28458 Located inside, on inside back wall of manual case. [1]



Notice: Slow Moving Vehicle (SMV) sign

Alerts overtaking vehicles of low speed.

Use for enhanced visibility to passing vehicles and to indicate a possible slower rate of speed than the posted speed limit.

PA-4011 Located on rear of vertical mixer. [1]

SAFETY SIGNS



Notice: DO NOT Weld

1. **Disconnect load cell or weigh bar cables from scale indicator.**
2. **Disconnect power supply to scale indicator.**
3. **Disconnect the positive battery cable.**
4. **Place the ground cable close to work.**
5. **Never draw current through load cells or weigh bars.**

PA-28448 Located on the left front side of mixing chamber. [1]

Notice: DO NOT dismantle gearbox.

Warranty is void when gearbox is dismantled

PA-28447 Located on planetary and 2-speed gearbox. [1]

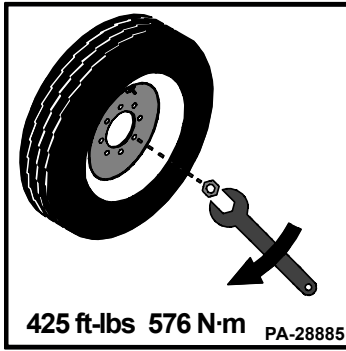


Notice: DO NOT Pressure Wash Electronics.

1. **The scale indicator and weigh bars should not be cleaned by pressure washer. These items can be damaged by moisture forced in by the high pressure washer.**

PA-28334 Located on the left front side of mixing chamber. [1]

SAFETY SIGNS

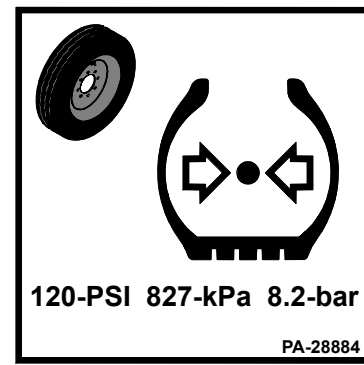


Notice: Torque lug nuts to specifications.

PA-28885 Located on left front side of mixing chamber.
[1]

Notice: Verify Tire Pressure.

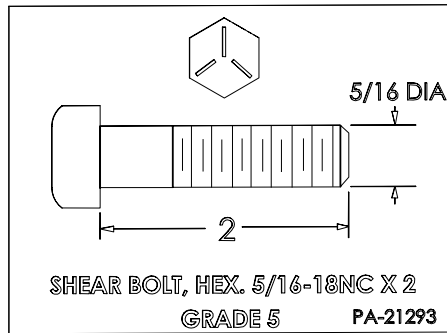
PA-28884 Located on left front side of mixing chamber.
[1]



Notice: ATF Only.

PA-28599 Located on left front side of Powershift. [1]

SAFETY SIGNS



Notice:

1. **Replace shear bolt only with those approved for use with approved for use with this machine.**
2. **See Operator's Manual.**
3. **Non-compliance will void all powertrain warranty.**

PA-21293 Located beneath back left side of frame of trailer. [1]

Notice: Tape, Red retro-reflective.

Provides extra visibility and width definition to vehicles approaching and/or passing the rear.

PA-6414 Located on left and right side of back frame. [2]
Located on back side of discharge conveyor. [1]



Notice: Tape, Orange fluorescent.

Provides extra visibility to overtaking vehicles.

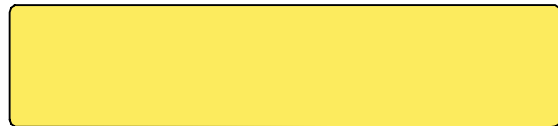
PA-20902 Located on back side of discharge conveyor. [1]



Notice: Tape, Yellow retro-reflective.

Provides extra visibility, width definition and length definition to oncoming vehicles.

PA-6415 Located on right and left side of the side frame [4], located on front side of discharge conveyor. [1]



Abbreviations used in the Part List

Adj	Adjustable
Adpt	Adapter
Am. Std	American Standard
App	Application
AR	As Required
Assy	Assembly
ATF	Automatic Transmission Fluid
B	Bore
Brg	Bearing
Brkt	Bracket
Bshng	Bushing
Btn Hd	Button Head
Carr.	Carriage Head
Cbl	Cable
Cntrl	Control
Compr.	Compression
Conn	Connector
Cplg	Coupling
Ctr	Center
Cyl.	Cylinder
D	Diameter
Dbl	Double
Dia.	Diameter
Disch	Discharge
DrvlIn	Driveline
EL	Elbow
Elec	Electrical
Ext	Extension
FIng	Flange
FLT	Flight or Flighting
Flt Hd	Flat Head
FORB	Female O-Ring Boss
FP	Female Pipe
FPM	Feet per Minute
Frnt	Front
FSJ	Female Swivel JIC 37° fitting
FTG	Fitting
Ga.	Gauge

Gal.	Gallon
Galv	Galvanized
GPM	Gallons per Minute
Gr.	Grade
Haz	Hazard
HCPNT	Hydraulic Components
HD	Heavy Duty
Hd	Head
HDW	Hardware
Hex	Hexagon
Hex Skt	Hexagon Socket
HFTG	Hydraulic Fitting
HHOSE	Hydraulic Hose
Horiz	Horizontal
Hp	Horsepower
HP	Horsepower
Hyd.	Hydraulic
ID	Inside Diameter
Illum	Illumination
Impl	Implement
Incl	Incline
Kwy	Keyway
L	Length or Long
LB	Pounds
lbs	Pounds
Lg	Length or Long
LH	Left Hand
Lk	Lock
LOTO	Lock Out/Tag Out
LS	Low Stretch
Mach	Machine
MBSPP	Male British Standard Pipe Parallel
Med	Medium
MJ	Male JIC 37° fitting
Mntg	Mounting
MORB	Male O-Ring Boss
MP	Male Pipe

Abbreviations used in the Part List

NA	Not Available	SST	Stainless Steel
NC	National Course	Std	Standard
NF	National Fine	Temp	Temperature
Nip.	Nipple	Trac	Tractor
NPT	National Pipe Thread	Tr. Hd	Truss Head
NyLk	Nylock or Nylon Lock	Trlr	Trailer
Obj	Object	UNC	Unified Coarse
OD	Outside Diameter	UNF	Unified Fine
ORB	O-Ring Boss	Ure	Urethane
P	Pitch	VM	Vertical Mixer
PFTG	Pipe Fitting	VTX	Vortex
Ph	Phase	W	Width or Wide
PH	Phase	WhizLk	Whiz Lock
Pict	Pictural		
Pkg	Package		
Pln	Plain		
Plnty	Planetary		
Pos	Position		
Pres	Pressure		
PSI	Pounds per Square Inch		
Pt	Point		
PTO	Power Take-Off		
Qt.	Quart		
Red.	Reducer		
Reg	Regulator		
Ret	Retainer		
Rev	Reversible		
Rd Phil	Round Head Phillips		
RH	Right Hand		
Rot.	Rotating		
RP	Replacement Part		
RPM	Revolutions per Minute		
SMV	Slow-Moving Vehicle		
Soc.	Socket		
Sol	Solenoid		
Sp	Spacing		
Sq	Square		
SS	Stainless Steel		

How To Order Replacement Parts

IMPORTANT: To be sure of proper operation and quality, replace only with genuine Patz replacement parts available from your Patz dealer. Even though parts may appear to be the same, there can be a significant difference.

Directions

1. Refer to the proper mixer area figure (see sample).
2. Find the illustration of the part to be ordered.
3. Note the number at the end of the arrow pointing to the part.
4. On the parts list adjacent the figure (see sample), find the arrow number under the Key No. column.
5. Reading across from this Key No., use the description, Part No. and No. Req. when placing your order.

Notes

An indent/dot system of parts listing is used in this book to indicate the parts included in an assembly or sub-assembly. All assembly parts are listed for that assembly, and are indented and dotted. All assembly parts will be included if an assembly or sub-assembly is ordered.

Examples (Refer to sample parts list)

Ex. 1:

If **VScrew VTX-Dual Kicker PA-27347** is ordered, (Key No. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12) would be included.

Ex. 2:

If (1) **Washer, Plain 3/8 A-925** (Key No. 11) is ordered, no other parts would be included.

Paint

Patz Blue enamel paints are available from the factory.

12 oz. Spray Can Blue PA-5833

Key No.	Description	Part No.	No. Req.
1	VScrew Vortex®-Double Kicker, Multi-Angle Top 48H x 96D	PA-27347	AR
2	•VScrew Top FLT 96 x 3/4 VTX..... (weld on)	PC-2662	1
3	•VScrew Btm FLT 96 x 3/4 VTX (weld on)	PC-2661	1
4	•Vortex Gusset (weld on)	PA-24465	1
5	•Plow Shoe 96 (weld on)	PA-24704	1
6	•Plow Wing 1200/2400 (weld on).....	A-24648	1
7	•Bolt,Hex Hd M16x60mm Class 10.9 ...	PA-10716	15
8	•Multi-Angle Top Cover.....	PA-26018	1
9	•Bolt, Hex 3/8-16 NC x 1	A-588	4
10	•Washer, Lock 3/8	A-64	4
11	•Washer, Plain 3/8	A-925	4
12	•VScrew Kicker 96	PA-24705	1

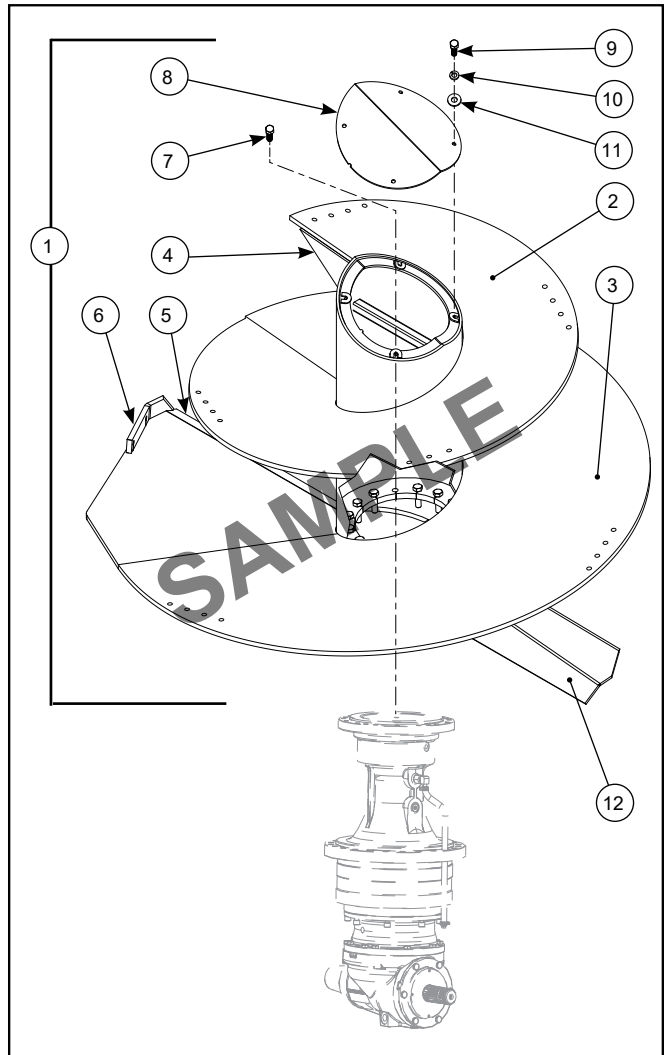
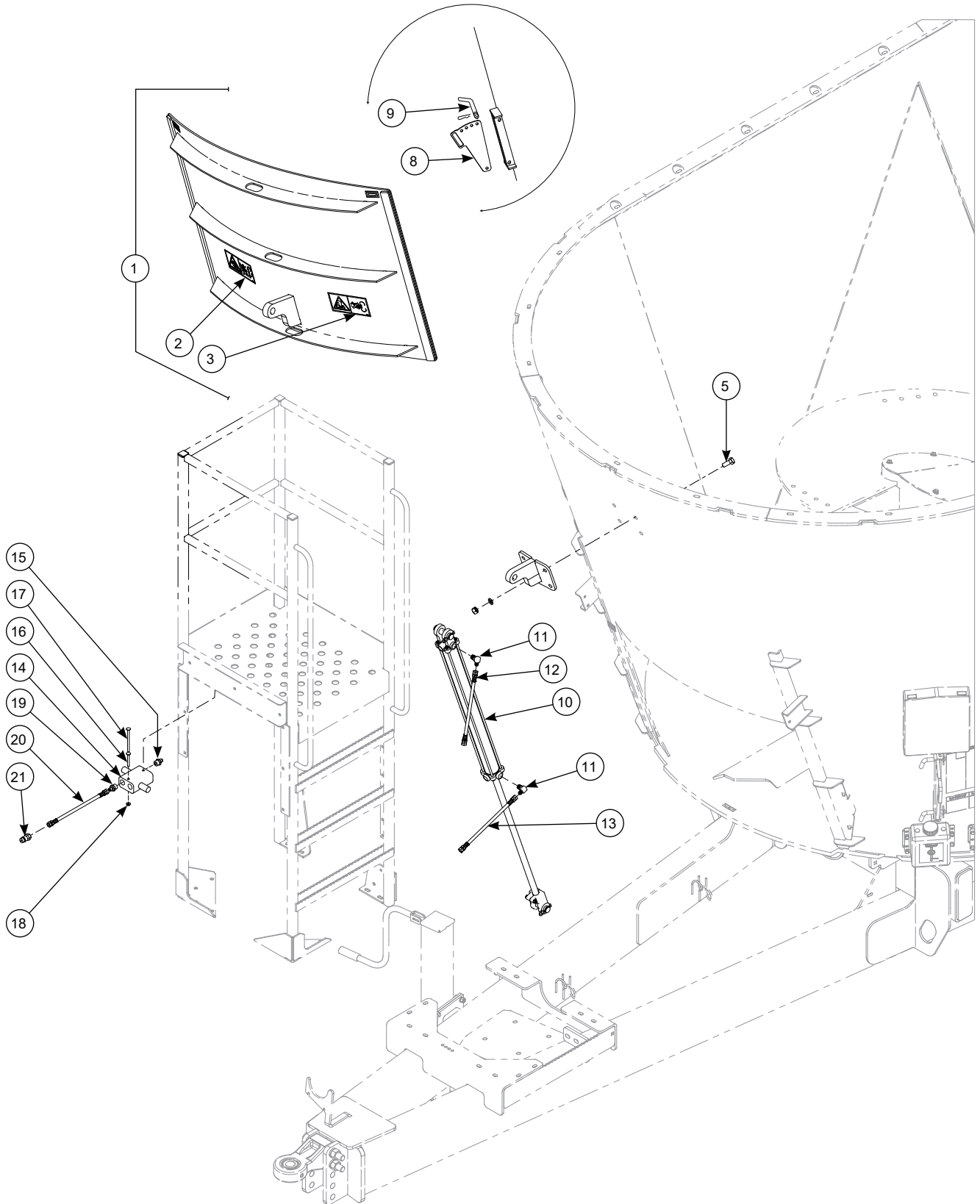


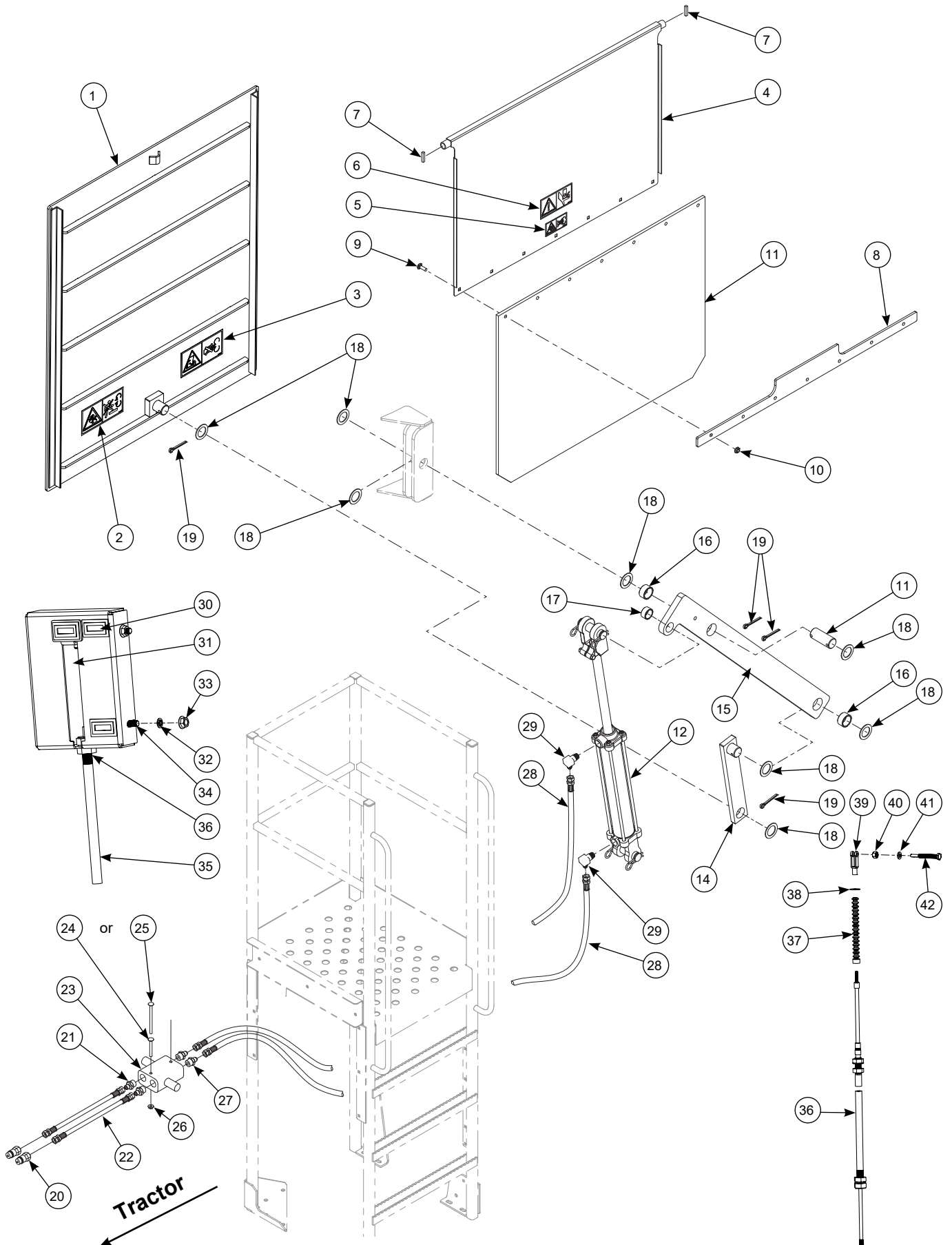
Figure 1
Front Discharge Door
Tub Restrictor



Parts List for Figure 1

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Discharge Door, 1400T	PA-23577	1				
2	•Safety Sign Rotating Auger.....	PA-28073	1				
3	•Safety Sign Rot. Auger Keep Out	PA-28223	1				
4	Cyl. Mount WEldment.....	PA-20633	1				
5	Bolt, Hex 5/8-11NC x 1-1/2	A-1349	4				
6	Washer, Lock 5/8 Med. Split	A-1243	4				
7	Nut, Hex 5/8-11NC2, Am. Std	A-36	4				
8	Restrictor	PB-5410	2				
9	Pin 5/8 Dia. x 3".....	PA-20251	4				
10	Hyd. Cyl. 2" Bore - 30" Stroke	PB-5082	1				
11	HFTG EI 90° 06MP x 06MJ	PA-15309	2				
12	HHose 1/4 x 42L 06FSJ x 06FSJ	PA-12171	1				
13	HHose 1/4 x 66L 06FSJ x 06FSJ	PA-12309	1				
14	Hyd. Valve Double Relief X-Over	PA-15273	1				
15	HFTG Adpt 12 MP x 06MJ	PA-15310	2				
16	Bolt, Carr. 5/16-18NC x 2-1/2.....	PA-25524	2				
17	Bolt, Carr. 5/16-18NC x 4-1/2.....	PA-25525	2				
18	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	2				
19	HFTG Adpt, 12 MP x 08 MJ	PA-15311	2				
20	HHose 3/8 x 84L 08FSJ x 08 MORB.....	PA-23384	2				
21	HFTG Male Tip 08FORB.....	PA-10720	2				

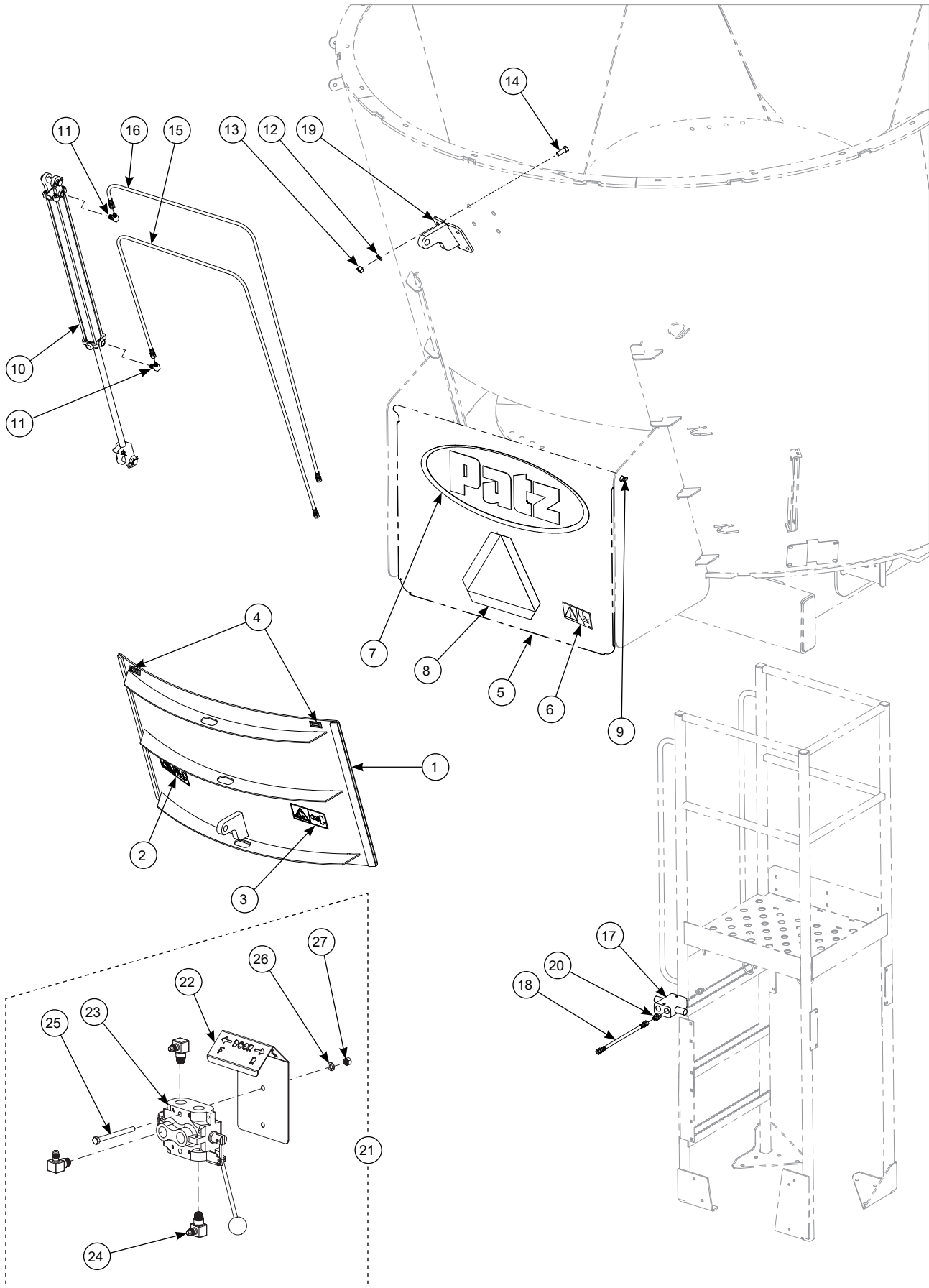
Figure 2
Side Discharge Door



Parts List for Figure 2

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Side Discharge Door - Hyd.....	PA-22396	1				
2	•Safety Sign Rot. Auger Keep Out	PA-28223	1				
3	•Safety Sign Rotating Auger.....	PA-28073	1				
4	Side Door Panel	PA-25027	1				
5	•Safety Sign Auger Entanglement.....	PA-28444	1				
6	•Safety Sign Hand Crush	PA-28450	1				
7	•Key, 1/4 Sq x 1-1/4" Lg	A-128	2				
8	Deflector Bar	PA-22853	1				
9	Bolt, Carr. 5/16-18NC x 1" Gr. 5.....	PA-5679	7				
10	Nut, Hex Flng WhizLk 5/16-18UNCx1"	PA-6818	7				
11	Flap	PA-22854	1				
12	Hyd. Cylinder 2" Bore 12" Stroke	PB-4945	1				
13	Pivot Pin 1-1/4 x 3" Lg	PA-21774	1				
14	Door Link	PA-21739	1				
15	Cylinder Link.....	PA-21741	1				
16	•Bearing, Sleeve 1-1/4 x 1-1/2 x 3/4.....	PA-19222	2				
17	•Bearing, Sleeve 1 x 1-3/16 x 3/4.....	PA-21748	1				
18	Mach. Bushing 14 Ga. x 1-1/4 x 1-7/8.....	A-388	8				
19	Pin, Cotter 1/4" x 2"	A-463	4				
20	HFTG Male Tip 08FORB.....	PA-10720	2				
21	HFTG Adpt, 12MP x 08MJ	PA-15311	2				
22	HHose 3/8 x 84L 08FSJ x 08MORB.....	PA-23384	2				
23	Hyd. Valve Double Relief X-Over	PA-15273	1				
24	Bolt, Carr. 5/16-18NC x 2-1/2.....	PA-25524	2				
25	Bolt, Carr. 5/16-18NC x 4-1/2.....	PA-25525	2				
26	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	2				
27	HFTG RED 12MP x 06MJ.....	PA-15310	2				
28	HHose 1/4 x 396 06FSJ 06FSJ (Rear Side Door)	PA-21274	1				
	HHose 1/4 x 212L 06FSJ x 06FSJ (Front Side Door).....	PA-23783	1				
29	HFTG EL 90° 08MORB x 06MJ	PA-21358	2				
30	Decal, Indicator Bar.....	PA-19275	3				
31	Indicator Plate	PA-23121	1				
32	3/8 Push Nut.....	PA-13370	4				
33	Nut, Hex Flng WhizLk 3/8-16UNC.....	PA-6823	4				
34	Bolt, Carr. 3/8-16 NC x 1 Gr. 5.....	A-1285	4				
35	Control HD Cable 6" x 320" Lg.....	PB-6152	1				
36	Nylon Insert Locknut, 5/16-18UNC.....	A-997	2				
37	Bellow.....	PA-26097	1				
38	•Adaptor Ring	PA-26098	1				
39	Yoke End 1/4-28UNF	PA-21411	1				
40	Nut, Hex 3/8-16 NC.....	A-68	1				
41	Washer, Lock 3/8	A-64	1				
42	Cable Bolt.....	PA-23564	1				

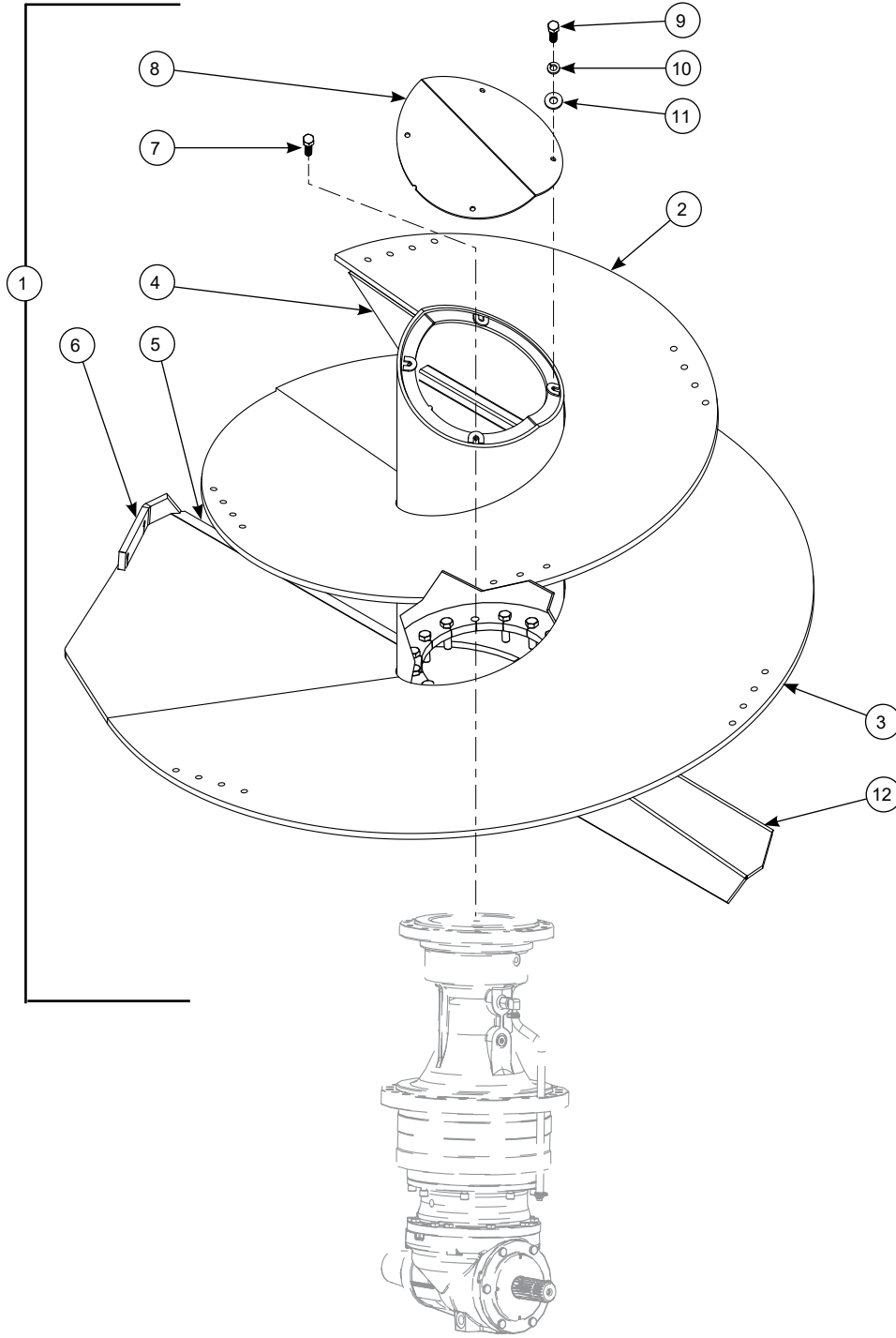
Figure 3
Commodity (Rear) Discharge Door



Parts List for Figure 3

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Discharge Door VVV1400T	PA-20916	1				
2	•Safety Sign Rotating Auger.....	PA-28073	1				
3	•Safety Sign Rot. Auger Keep Out	PA-28223	1				
4	•Decal, Indicator Bar	PA-19275	2				
5	Rear Door Panel (810)	PA-25863	1				
6	•Safety Sign Hand Crush	PA-28450	1				
7	•Patz Logo 34 x 13	PB-4955	1				
8	•Slow Moving Vehicle Emblem.....	PA-4011	1				
9	•Key, 1/4 Sq X 1-1/4" Lg.....	A-128	2				
10	Hyd. Cyl. 2" Bore - 30" Stroke	PB-5082	1				
11	HFTG EI 90° 06MP x 06MJ	PA-15309	2				
12	Washer, Lock 5/8 Med. Split	A-1243	4				
13	Nut, Hex 5/8-11NC2, Am. Std	A-36	4				
14	Bolt, Hex 5/8-11NC x 1-1/2	A-1349	4				
15	HHose 1/4 x 540 06FSJ x 06FSJ	PA-22893	1				
16	HHose 1/4 x 507 06FSJ x 06FSJ	PA-22892	1				
17	Hyd. Valve Double Relief X-Over	PA-15273	1				
18	HHose 1/4 x 48 06FSJ x 06FSJ	PA-11997	2				
19	Cyl. Mount Weldment	PA-20633	1				
20	HFTG Adpt 12MP x 06MJ	PA-15310	1				
21	Selector Valve Package.....	PA-23537	AR				
22	•Selector Valve Mount	PB-5233	1				
23	•Hyd. Valve Dbl Selector w/Hand	PB-7101	1				
24	•HFTG EI 90° 12MP x 06MJ	PA-22900	6				
25	•Bolt, Hex Hd 3/8-16NC x 4-1/4 Lg	A-1214	2				
26	•Washer, Lock 3/8	A-64	2				
27	•Nut, Hex 3/8-16 NC.....	A-68	2				

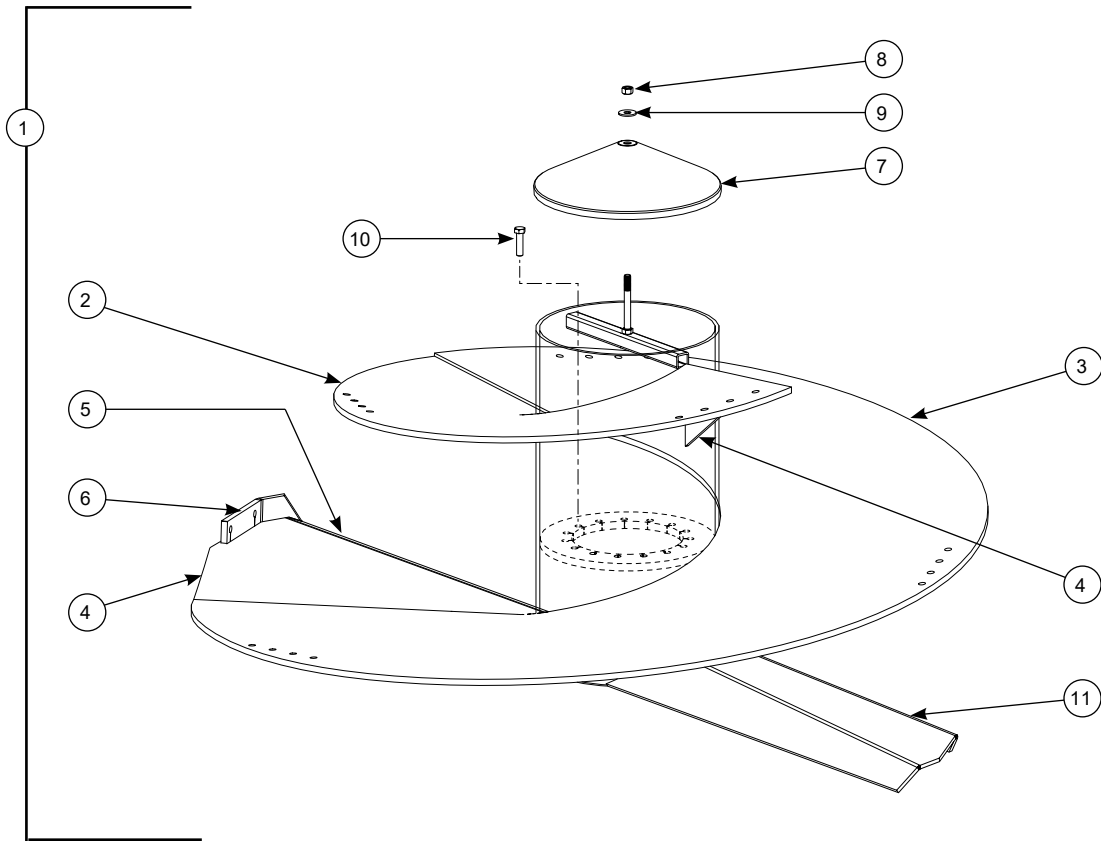
Figure 4
Vertical Mixer Vortex® Screw
(Multi-Angle Top)



Parts List for Figure 4

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	VScrew Vortex®-Double Kicker, Multi-Angle Top 48H x 96D	PA-27347	AR				
2	•VScrew Top FLT 96 x 3/4 VTX..... (weld on)	PC-2662	1				
3	•VScrew Btm FLT 96 x 3/4 VTX (weld on)	PC-2661	1				
4	•Vortex Gusset (weld on)	PA-24465	1				
5	•Plow Shoe 96 (weld on)	PA-24704	1				
6	•Plow Wing 1200/2400 (weld on).....	A-24648	1				
7	•Bolt, Hex Hd M16x60mm Class 10.9	PA-10716	15				
8	•Multi-Angle Top Cover.....	PA-26018	1				
9	•Bolt, Hex 3/8-16 NC x 1.....	A-588	4				
10	•Washer, Lock 3/8	A-64	4				
11	•Washer, Plain 3/8	A-925	4				
12	•VScrew Kicker 96	PA-24705	1				

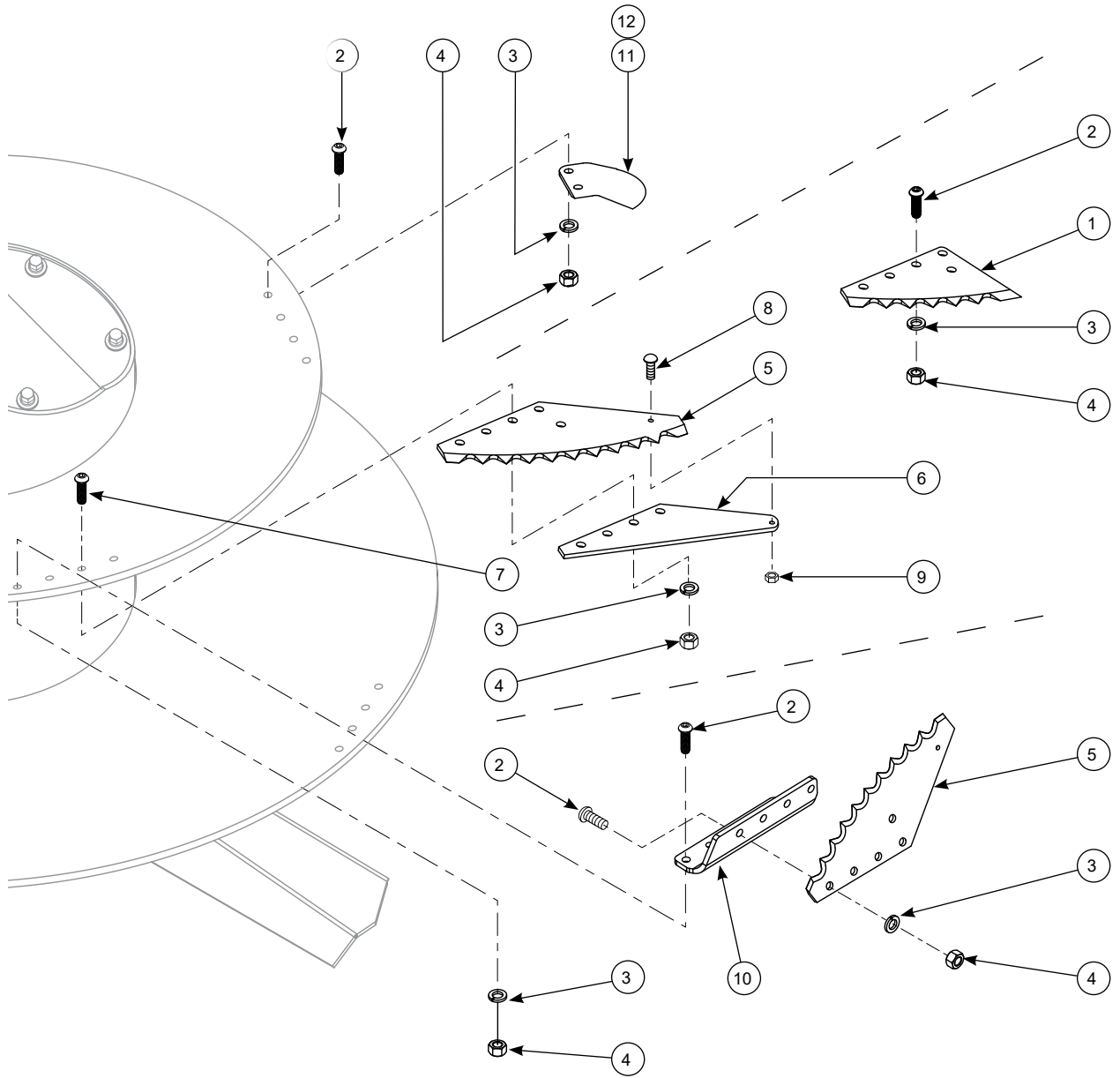
Figure 5
Vertical Mixer Vortex® Screw
(Cone Top)



Parts List for Figure 5

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	VScrew Vortex®-Double Kicker, Cone Top 48H x 96D	PA-27348	AR				
2	•VScrew Top FLT 96 x 3/4 VTX..... <i>(weld on)</i>	PC-2662	1				
3	•VScrew Btm FLT 96 x 3/4 VTX <i>(weld on)</i>	PC-2661	1				
4	•Vortex Gusset <i>(weld on)</i>	PA-24465	1				
5	•Plow Shoe 96 <i>(weld on)</i>	PA-24704	1				
6	•Plow Wing 1200/2400 <i>(weld on)</i>	A-24648	1				
7	•Cone Top Cover	PB-5201	1				
8	•Nut, Hex 5/8-11NC LH	PA-24530	1				
9	•Washer, Plain 5/8	A-952	1				
10	•Bolt, Hex Hd M16x60mm Class 10.9	PA-10716	15				
11	•VScrew Kicker 96	PA-24705	1				

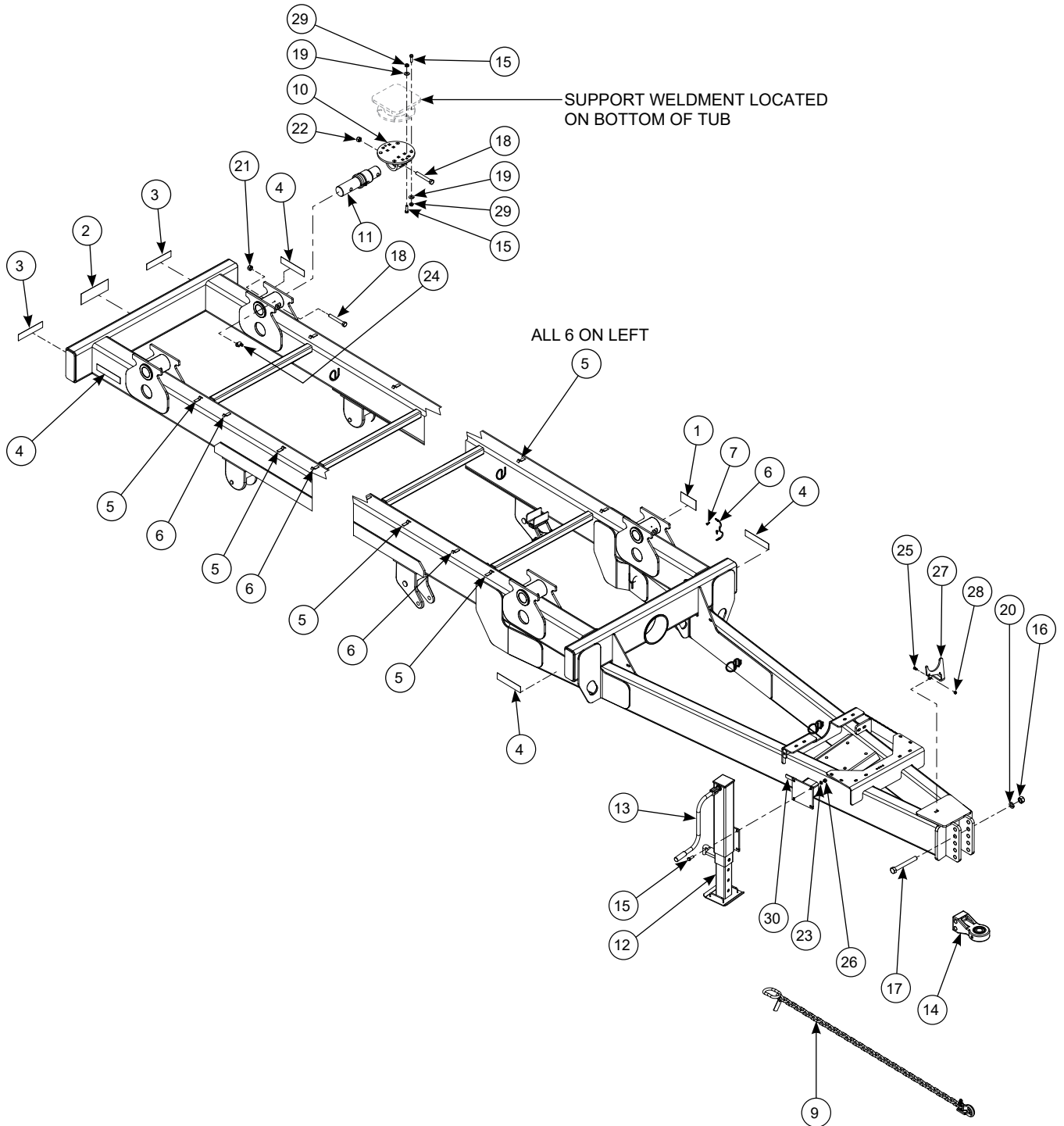
Figure 6
Knife Packages



Parts List for Figure 6

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Tungsten/Carbide Knife Pkg, 12".....	PA-21432	AR				
2	•Screw,Hex Soc. Btn Hd 5/8-11NCx2.....	PA-20268	4				
3	•Washer, 5/8 Lk	A-1243	4				
4	•Nut, Hex 5/8-11NC	A-36	4				
5	Tungsten/Carbide Knife Pkg, 21-1/2"..	PA-21187	AR				
2	•Screw,Hex Soc. Btn Hd 5/8-11NCx2.....	PA-20268	4				
3	•Washer, 5/8 Lk	A-1243	4				
4	•Nut, Hex 5/8-11NC	A-36	4				
6	21-1/2" Knife Backing Plate Pkg.....	PA-21431	AR				
7	•Screw,Hex Soc. Btn Hd 5/8-11NCx2-1/2 ..	PA-20776	4				
3	•Washer, 5/8 Lk	A-1243	4				
4	•Nut, Hex 5/8-11NC	A-36	4				
8	•Bolt, Carr. 3/8-16NC x 1-1/4 Gr. 5	A-1449	1				
9	•Nut, Hex 3/8-16NC Center Lock.....	PA-4282	1				
10	Knife Bracket Kit, 90 Deg	PA-22492	AR				
2	•Screw,Hex Soc. Btn Hd 5/8-11NCx2.....	PA-20268	4				
3	•Washer, 5/8 Lk	A-1243	4				
4	•Nut, Hex 5/8-11NC	A-36	4				
11	Knife, RAPTOR™ 4-1/4" Pkg	PA-25932	AR				
	Knife, RAPTOR™ 4-3/4" Pkg	PA-26288	AR				
	Knife, RAPTOR™ 5-1/2" Pkg	PA-26289	AR				
2	•Screw,Hex Soc. Btn HD 5/8-11NCx2	PA-20268	2-3				
3	•Washer, 5/8 Lk	A-1243	2-3				
4	•Nut, Hex 5/8-11.	A-36	2-3				
12	Knife, RAPTOR™ 10" Pkg.....	PA-28629	AR				
2	•Screw,Hex Soc. Btn HD 5/8-11NCx2	PA-20268	4				
3	•Washer, 5/8 Lk	A-1243	4				
4	•Nut, Hex. 5/8-11.	A-36	4				

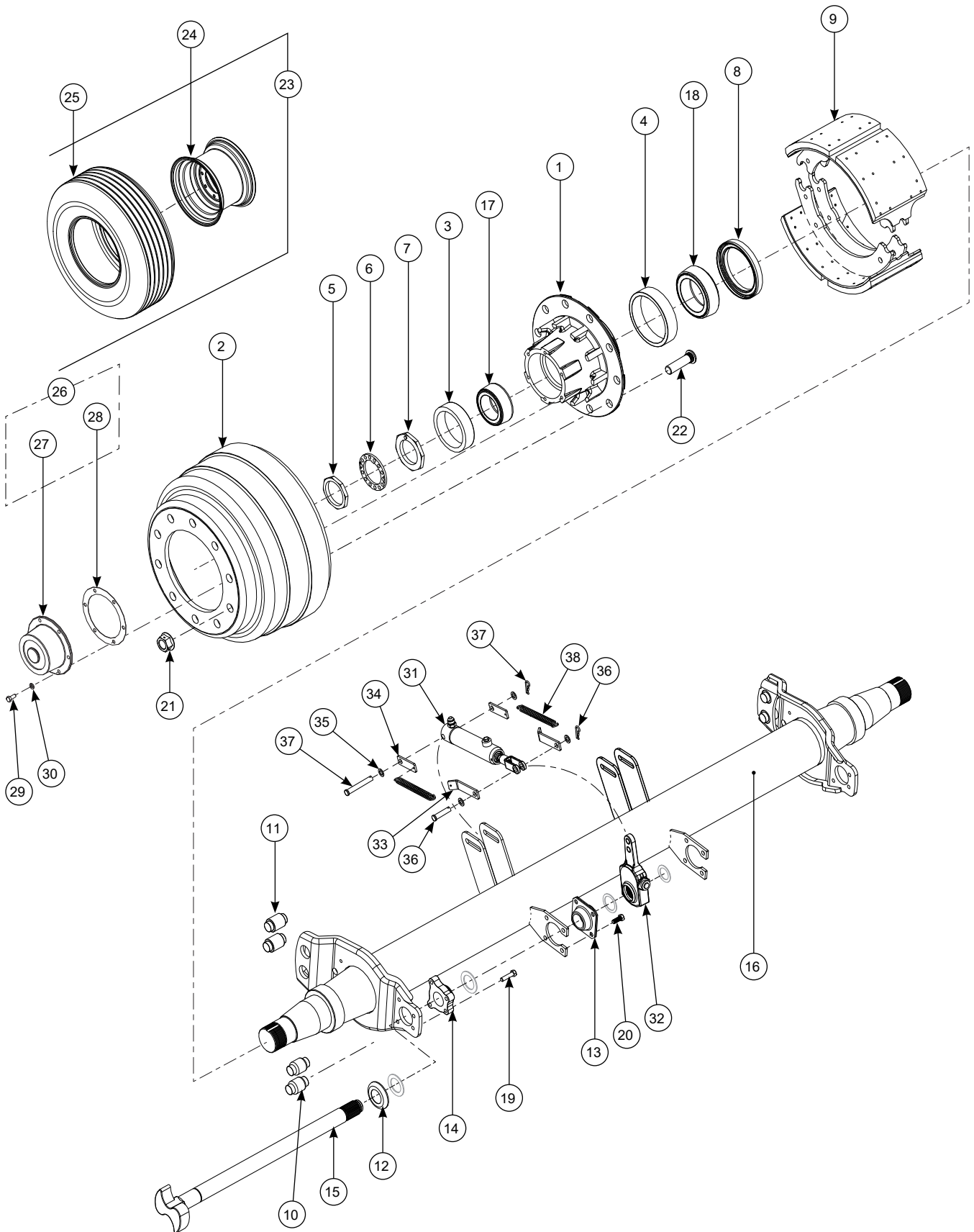
Figure 7
Trailer Parts, Non-Steering—Frame Hardware



Parts List for Figure 7

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	3600 Trlr Non-Steer w/Decals (2-Spd)	PD-2068	1				
	3600 Trlr Non-Steer w/Decals (Pwrshft).....	PD-2176	1				
	3600 Trlr Non-Steer w/Decals (Autoshft)	PD-2406	1				
1	•Decal, Parking Brake	PA-25622	1				
2	•Safety Sign, Fly Obj Do Not Hook.....	PA-28083	1				
3	•Safety Sign, Red Delineator.....	PA-6414	2				
4	•Safety Sign, Amber Delineator.....	PA-6415	4				
5	•Brake Line Clip.....	PA-7307	12				
6	•Brake Line Clamp	PA-20463	5				
7	Screw Self Tap 1/4-20NCx3/4 Hex HD ...	PA-17749	2				
8	Ground Wire.....	PA-11739	1				
9	Safety Chain 70,000 lbs	PB-7100	1				
10	Weigh Bar Support.....	PB-7116	4				
11	DG WeighBar 2.875 DB-40' Cbl.....	PB-7051	2				
	DG WeighBar 2.875 DB-30' Cbl.....	PB-6577	2				
12	Jack, 10,000# w/Side Plate	PB-6049	1				
13	•Crank Kit (Bulldog).....	PA-20480	1				
14	Hitch, Bull-Pull Cat 4/5	PA-24888	1				
15	Bolt, Hex 1/2-13NC x 1-3/4 Gr. 8	PA-23926	10				
16	Nut, Hex 1-8NC Gr.8.....	PA-23224	2				
17	Bolt, Hex 1-8NC x 8" Gr. 8	PA-23078	2				
18	Bolt, Hex 3/4-10NC x 5-1/2 Gr. 5	PA-18834	8				
19	Washer, Plain 1/2 Std Hardened.....	PA-13699	6				
20	Washer, Lock 1"	PA-11945	2				
21	Nut, Hex. 3/4-10UNC Center Lk.....	PA-4281	8				
22	Nut, Flng 1/2-13NC Ctr Lock.....	A-1650	6				
23	Washer Lock 1/2 Std Med. Split.....	A-401	4				
24	Grease Fitting 1/4-28NF x 45°	A-767	4				
25	Bolt, Hex HD 3/8-16NC x 3/4"	A-63	4				
26	Nut, Hex 1/2-13NC	A-16	4				
27	Formed PTO Rest	PA-23553	1				
28	Nut, Hex. 3/8-16NC NyLk.....	A-301	1				
29	Nut, Hex Center Lk 1/2-13NC	PA-1650	8				
30	Holder.....	PA-25100	1				

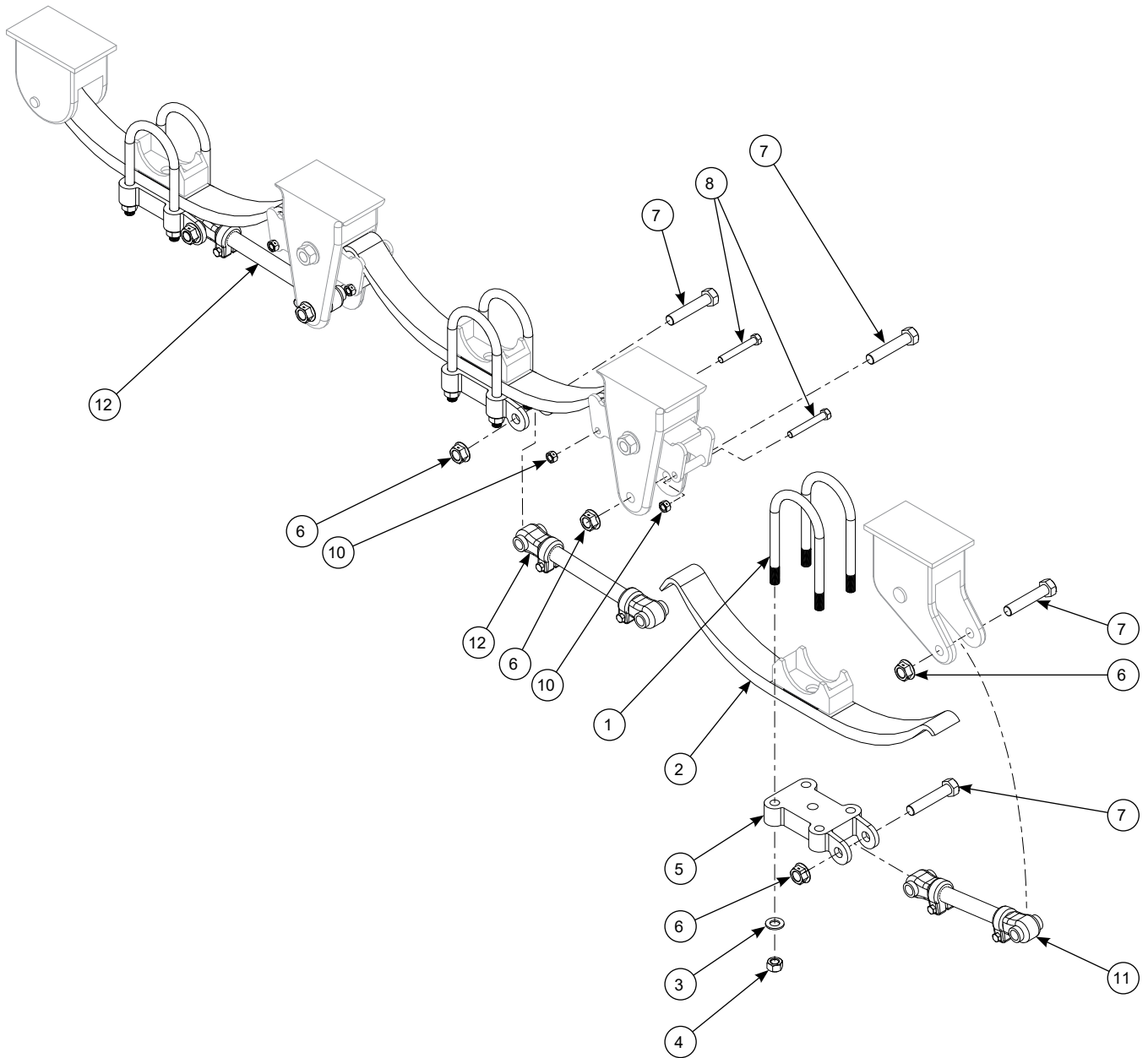
Figure 8
Trailer Parts, Non-Steering—Axle, Hub, Wheel



Parts List for Figure 8

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	3600 Trlr Non-Steer w/Decals (2-Spd)	PD-2068	1				
	3600 Trlr Non-Steer w/Decals (Pwrshft).....	PD-2176	1				
	3600 Trlr Non-Steer w/Decals (Autoshft)	PD-2406	1				
	Axle Assembly.....	PC-2323	3				
1	•Hub Assembly	PB-6118	2				
2	••Drum, Machine 8.69 Pilot x 16.0.....	PA-23054	1				
3	••Brg, Roller, Cup 4.8125 OD.....	PA-15013	1				
4	••Brg, Roller, Cup 5.7864 OD.....	PA-15011	1				
5	•Axle Jam Nut, 2-5/8	PA-23068	2				
6	•Axle Lock Washer	PA-23067	2				
7	•Adjusting Nut, 2-5/8	PA-23066	2				
8	•Oil Seal	PA-23055	2				
9	•Brake Shoe	PA-23050	4				
10	•Camshaft Pin, 1-3/8 Dia.....	PA-23049	4				
11	•Shoe Pin, 1-3/8 Dia.....	PA-23048	4				
12	•Camshaft Seal	PA-23047	2				
13	•Camshaft Bushing, 1-1/2 Dia.....	PA-23046	2				
14	•Inner Bushing, 1-1/2 Dia.....	PA-23045	2				
15	•Cam Shaft - LH.....	PA-23044	1				
	•Cam Shaft - RH.....	PA-23043	1				
16	•Axle Weldment.....	PA-23042	1				
17	•Brg, Roller, Cone 2.6250 ID.....	PA-15014	2				
18	•Brg, Roller, Cone 3.5423 ID.....	PA-15012	2				
19	•Bolt, Hex. 3/8-16NC x 1-1/2".....	A-951	8				
20	•Bolt, Hex. 3/8-16NC x 1".....	A-588	8				
21	Nut Hex Flange M22 x 1.5 2-PC.....	PA-23052	AR				
22	Bolt, Stud M22 x 81.25mm L.....	PA-23051	AR				
23	Tire & Wheel Assy. 255/70R22.5.....	PA-23112	AR				
24	•Wheel, 22.5 x 8.25 Steel.....	PA-22841	1				
25	•Tire, 255/70 R22.5.....	PA-23111	1				
26	Hub Cap w/Gasket 6-Hole.....	PA-23084	AR				
27	•Hub Cap 6-Hole	PA-23056	1				
28	•Gasket Hub Cap	PA-23057	1				
29	Bolt, Hex 5/16-18NC x 3/4L.....	A-758	AR				
30	Washer, Lock 5/16 Med. Split.....	A-120	AR				
31	Hyd. Cyl. 1-1/2B x 4-1/2 Stroke.....	PB-6229	AR				
32	Slack Adjuster	PA-23090	AR				
33	Spring Bracket Front	PA-23683	AR				
34	Spring Bracket Rear.....	PA-23684	AR				
35	Bushing, Mach 14 Ga. x 1/2 x 7/8.....	A-1054	AR				
36	Pin, Clevis 1/2 x 2L w/Cotter.....	PA-23681	AR				
37	Pin, Clevis 1/2 x 3-1/2L w/Cotter.....	PA-23682	AR				
38	Spring.....	PA-23297	AR				

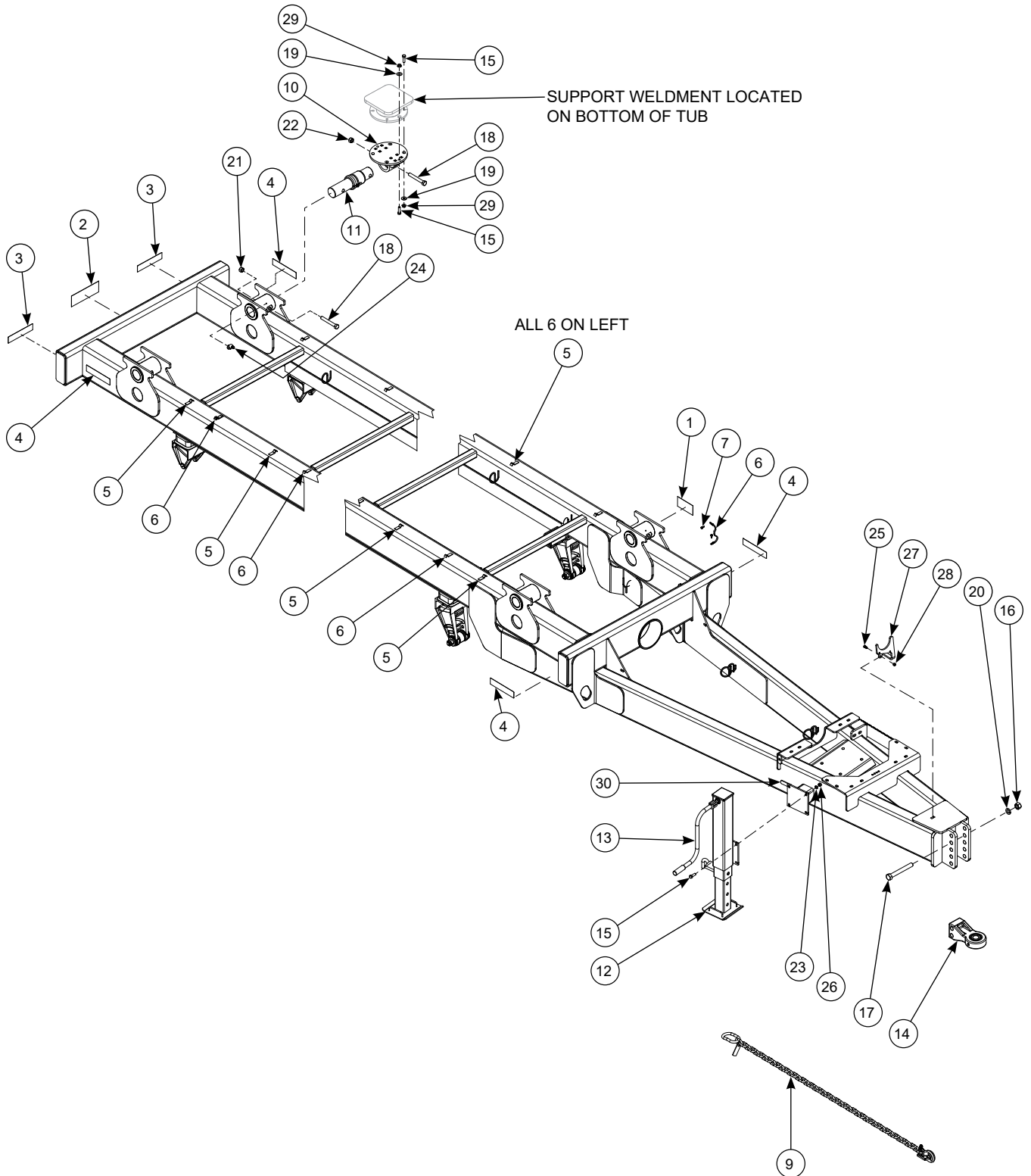
Figure 9
Trailer Parts, Non-Steering—Suspension



Parts List for Figure 9

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	U-Bolt, 7/8 x 5 x 10-3/4.....	PA-22978	12				
2	Spring, Leaf Single.....	PA-22977	6				
3	Washer, 15/16 ID x 1-3/4 OD.....	PA-17917	24				
4	Nut, Hex 7/8-14NF.....	PA-17916	24				
5	Plate Bottom Att. Cast-Fin.....	PA-17915	6				
6	Nut, Hex Flange Lock 1-14UNS.....	PA-17839	12				
7	Bolt, Hex 1-14UNS x 5.....	PA-17672	12				
8	Bolt, Hex 5/8-18UNF x 4-1/2.....	PA-17669	8				
9	Tube- 3/4OD x 18 Ga. x 3-1/4 Lg.....	PA-17668	8				
10	Nut, Hex Lock 5/8-18UNF Gr. 8.....	PA-17667	8				
11	Torque Arm Assy Adj 14.00 Lg.....	PA-22979	2				
12	Torque Arm Assy Adj 16.00 Lg.....	PA-22980	4				

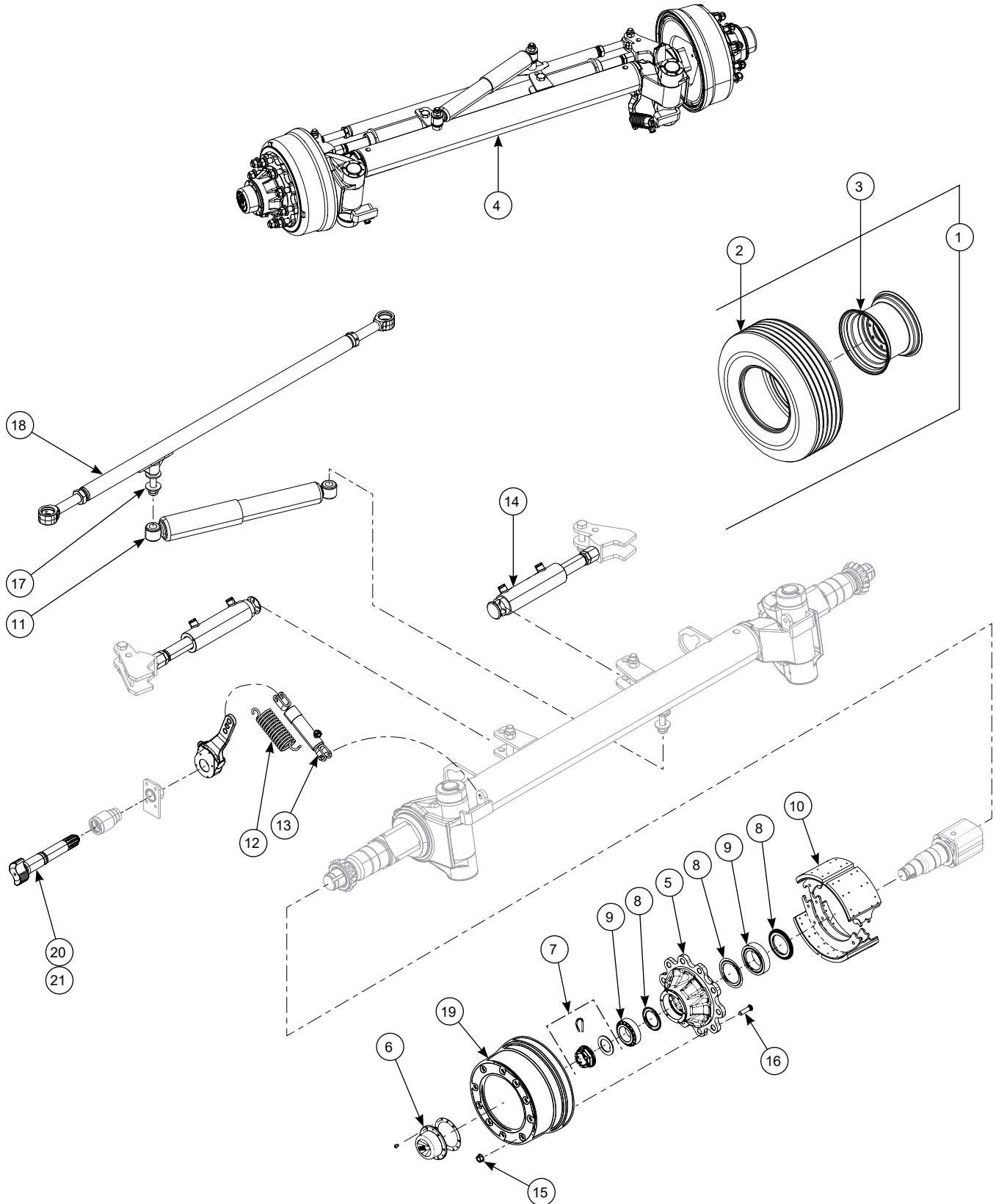
Figure 10
Trailer Parts, Self-Steering—Frame Hardware



Parts List for Figure 10

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	3600 Trlr Steer w/Decals (2-spd).....	PD-2069	1				
	3600 Trlr Steer w/Decals (Pwrshft).....	PD-2177	1				
	3600 Trlr Steer w/Decals (Autoshft).....	PD-2407	1				
1	•Decal, Parking Brake	PA-25622	1				
2	•Safety Sign, Fly Obj Do Not Hook.....	PA-28083	1				
3	•Safety Sign, Red Delineator.....	PA-6414	2				
4	•Safety Sign, Amber Delineator.....	PA-6415	4				
5	•Brake Line Clip.....	PA-7307	12				
6	•Brake Line Clamp	PA-20463	5				
7	Screw Self Tap 1/4-20NCx3/4 Hex HD ...	PA-17749	2				
8	Ground Wire.....	PA-11739	1				
9	Safety Chain 70,000 lbs	PB-7100	1				
10	Weigh Bar Support.....	PB-7116	4				
11	DG WeighBar 2.875 DB-40' Cbl.....	PB-7051	2				
	DG WeighBar 2.875 DB-30' Cbl.....	PB-6577	2				
12	Jack, 10,000# w/Side Plate	PB-6049	1				
13	•Crank Kit (Bulldog).....	PA-20480	1				
14	Hitch, Bull-Pull Cat 4/5	PA-24888	1				
15	Bolt, Hex 1/2-13NC x 1-3/4 Gr. 8	PA-23926	10				
16	Nut, Hex 1-8NC Gr.8.....	PA-23224	2				
17	Bolt, Hex 1-8NC x 8" Gr. 8	PA-23078	2				
18	Bolt, Hex 3/4-10NC x 5-1/2 Gr. 5	PA-18834	8				
19	Washer, Plain 1/2 Std Hardened.....	PA-13699	6				
20	Washer, Lock 1"	PA-11945	2				
21	Nut, Hex. 3/4-10UNC Center Lk.....	PA-4281	8				
22	Nut, Flng 1/2-13NC Ctr Lock.....	A-1650	6				
23	Washer Lock 1/2 Std Med. Split.....	A-401	4				
24	Grease Fitting 1/4-28NF x 45°	A-767	4				
25	Bolt, Hex HD 3/8-16NC x 3/4"	A-63	4				
26	Nut, Hex 1/2-13NC	A-16	4				
27	Formed PTO Rest	PA-23553	1				
28	Nut, Hex. 3/8-16NC NyLk.....	A-301	1				
29	Nut, Hex Center Lk 1/2-13NC	PA-3615	8				
30	Holder.....	PA-25100	1				

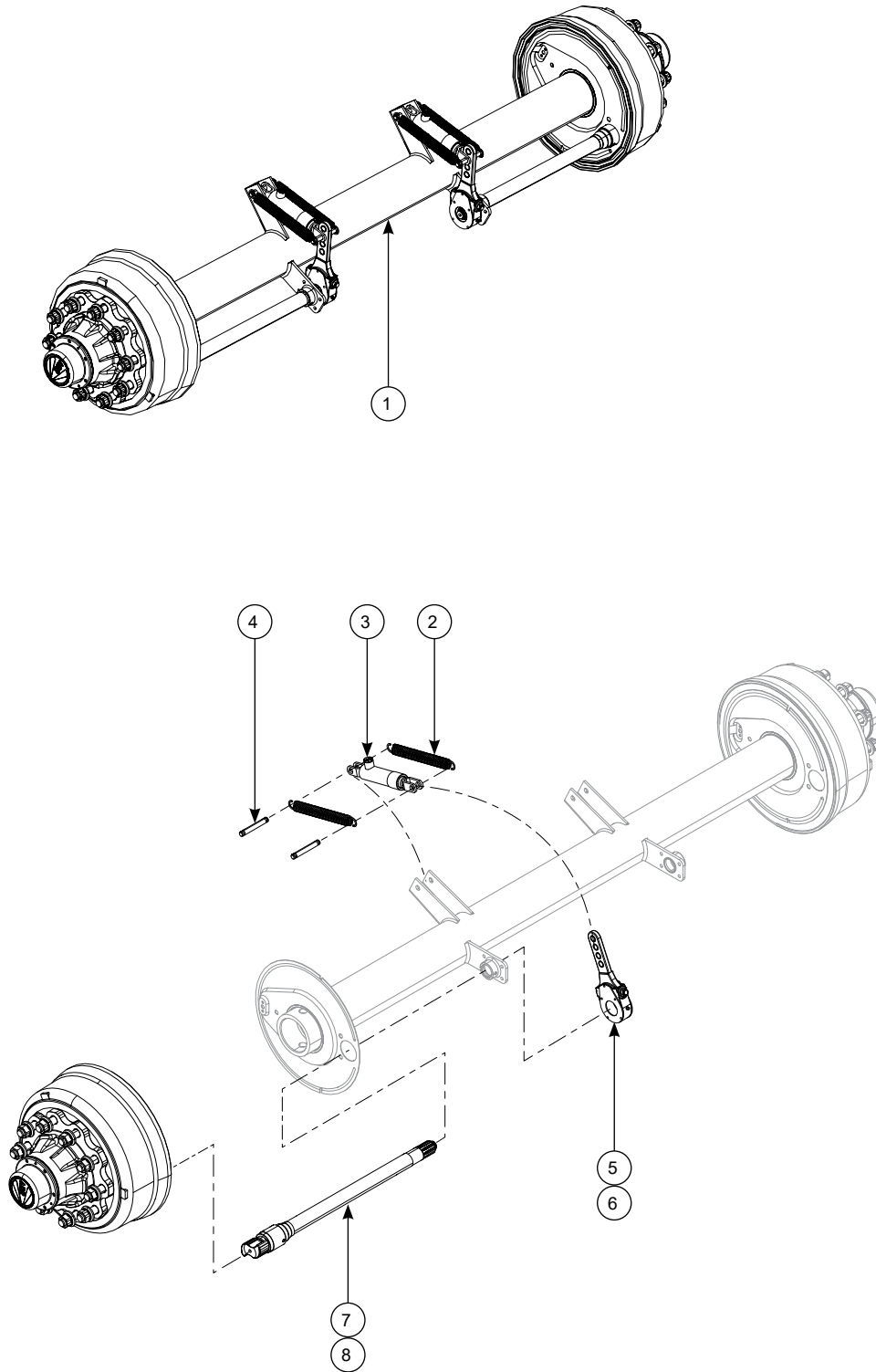
Figure 11
Trailer Parts, Self-Steering—Steering Axles, Hub, Wheel



Parts List for Figure 11

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	3600 Trlr Steer w/Decals (2-spd).....	PD-2069	1				
	3600 Trlr Steer w/Decals (Pwrshft).....	PD-2177	1				
	3600 Trlr Steer w/Decals (Autoshft).....	PD-2407	1				
1	Tire & Wheel Assy. 385/65R22.5	PA-25137	6				
2	•Tire, 385/65R22.5	PA-25135	1				
3	•Wheel 12.25x22.5 10Bolt w/o Offset.....	PA-25136	1				
4	Axle Assembly, Steer	PC-2690	2				
5	•Hub, 10 Holes	PA-25824	6				
6	•Hub Cap w/Gasket.....	PA-25823	6				
7	•Crown Nut	PA-25822	6				
8	•Wheel Oil Seal Kit	PA-25821	6				
9	•Wheel Bearing Kit	PA-25820	6				
10	•Brake Shoe Kit	PA-25818	6				
11	•Shock Absorber	PA-25817	2				
12	•Brake Cyl. Spring Kit.....	PA-25816	4				
13	•Brake Cylinder	PA-26243	6				
14	•Cylinder, Double Acting	PA-25813	4				
15	•Wheel Nut, M22 x 1.5 (pkg of 10)	PA-25812	6				
16	•Stud, M22 x 1.5 (pkg of 10).....	PA-25811	6				
17	•Shock Absorber Mount	PA-25810	2				
18	•Tie Rod	PA-25809	2				
19	•Brake Drum, 10 Hole	PA-25808	6				
20	•Left Camshaft Kit<=300	PA-25805	2				
21	•Right Camshaft Kit <=300.....	PA-25804	2				

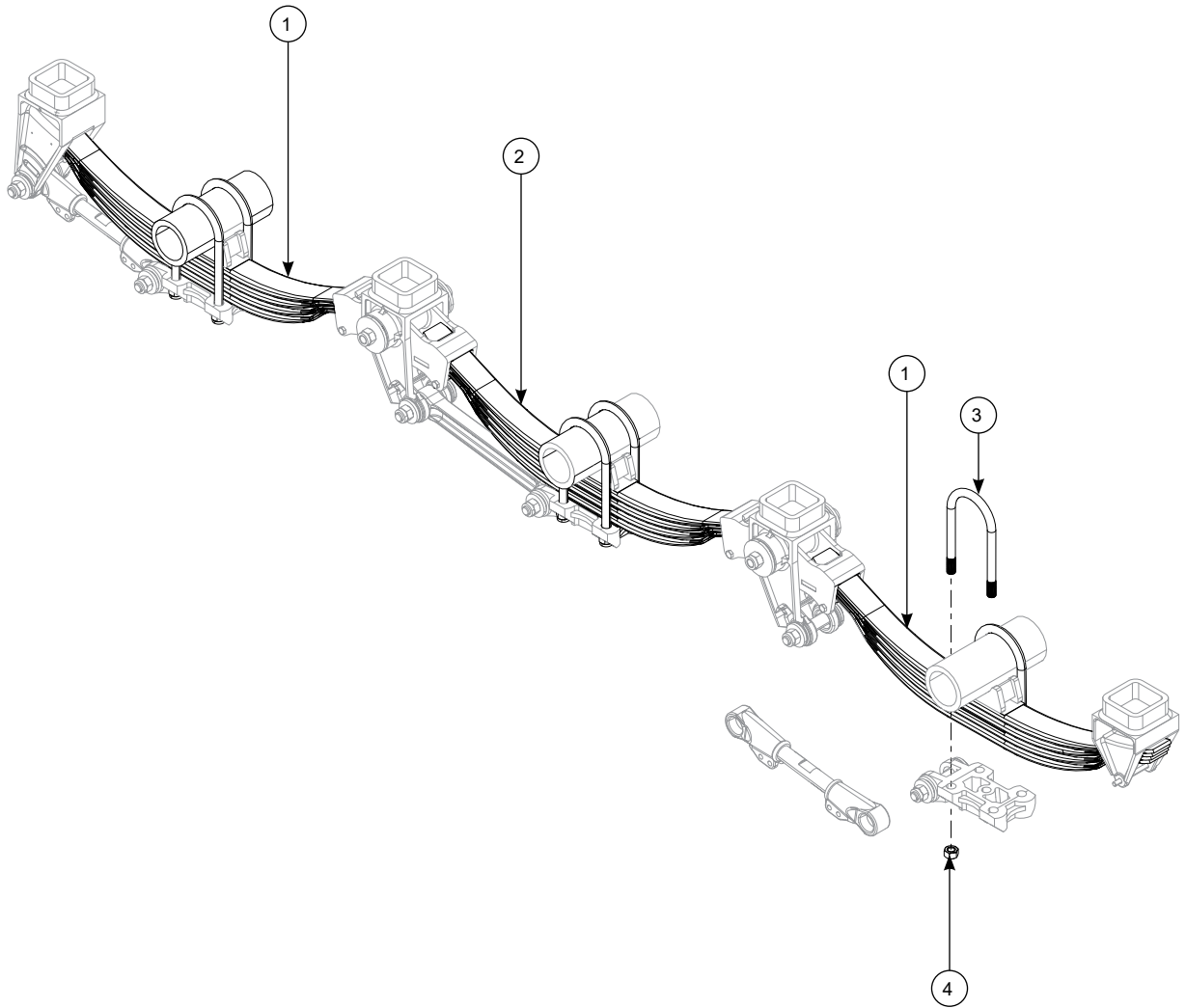
Figure 12
Trailer Parts, Self-Steering—Non-Steering Axle, Hub, Wheel



Parts List for Figure 12

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	3600 Trlr Steer w/Decals (2-spd).....	PD-2069	1				
	3600 Trlr Steer w/Decals (Pwrshft).....	PD-2177	1				
	3600 Trlr Steer w/Decals (Autoshft).....	PD-2407	1				
1	Axle Assembly.....	PC-2689	1				
2	•Spring .125 x 3.5 x 9.513L.....	PA-25815	4				
3	•Brake Cylinder	PA-26243	2				
4	•Pin 14 Dia. 101L	PA-25814	4				
5	•Slack Adjuster Kit.....	PA-25807	2				
6	•Slack Adjuster Kit, Steering	PA-26244	4				
7	•Left Camshaft>300.....	PA-25806	1				
8	•Right Camshaft Kit >300	PA-25803	1				

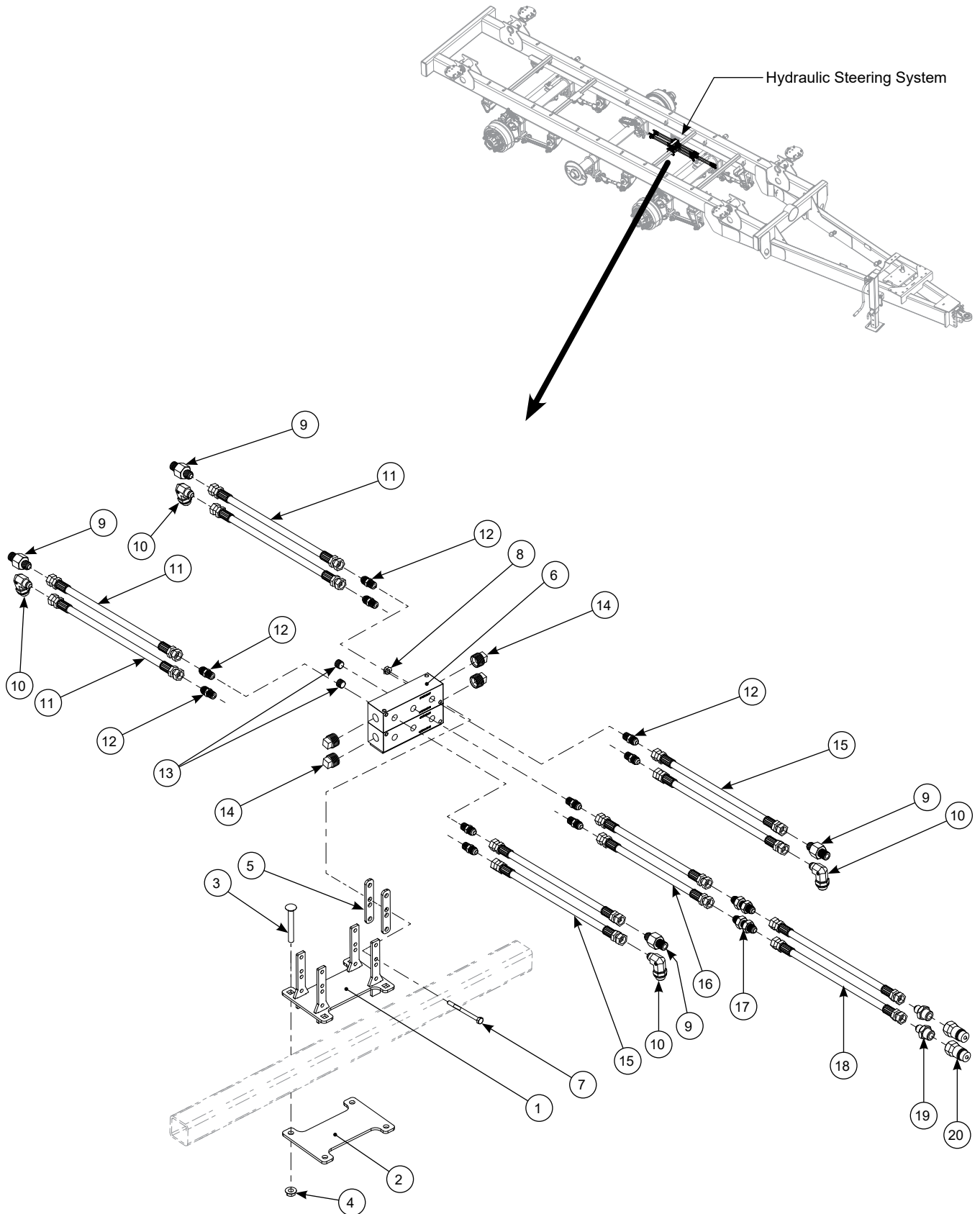
Figure 13
Trailer Parts, Self-Steering—Suspension



Parts List for Figure 13

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Spring, 1197 x 76 4 x 25	PA-25799	4				
2	Spring, 1175 x 76 4 x 25	PA-25798	2				
3	U-Bolt	PA-25800	12				
4	Nut.....	PA-25801	24				

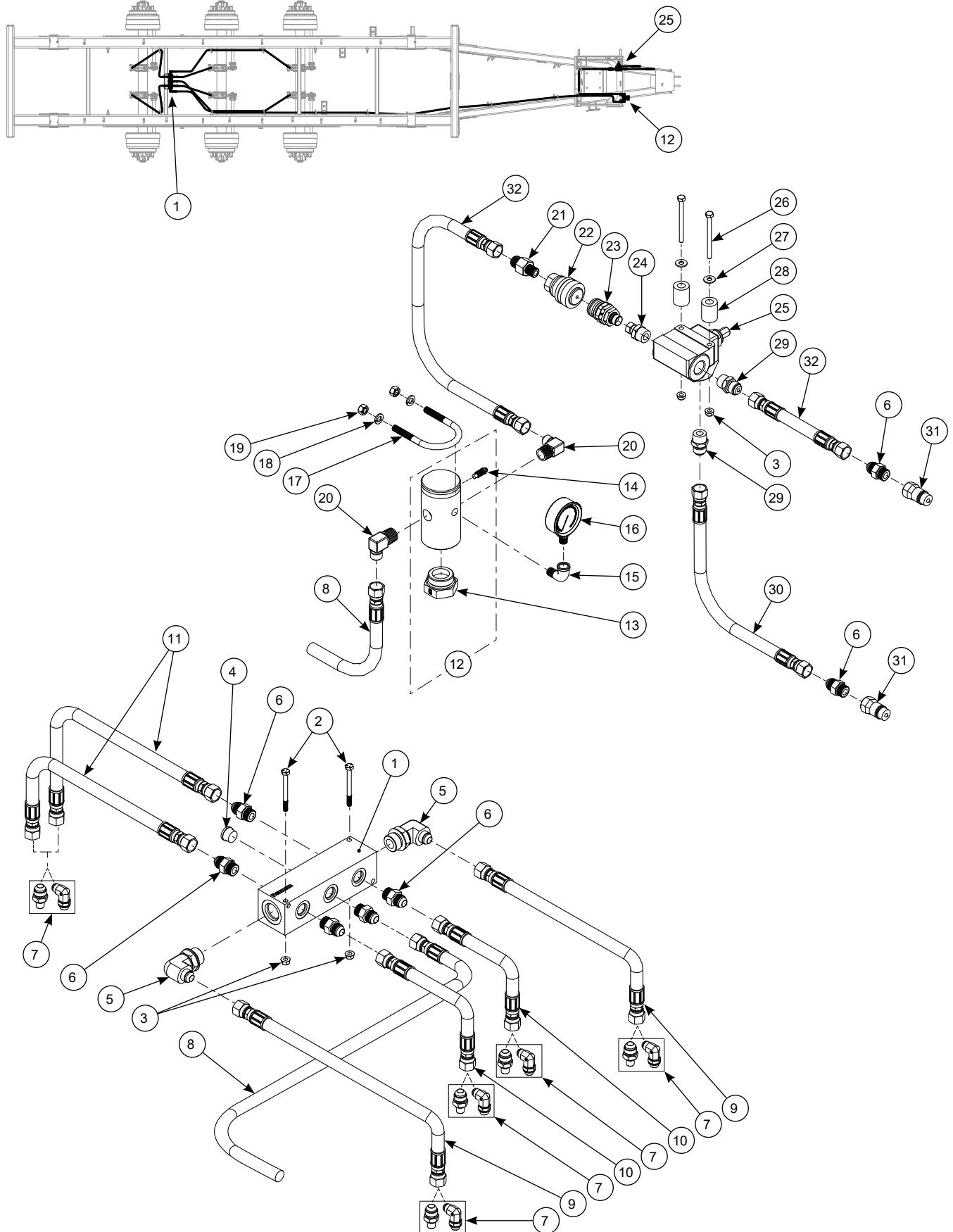
Figure 14
Hydraulic Systems—Self-Steering System



Parts List for Figure 14

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
Self-Steering Hydraulics							
1	Manifold Mount.....	PA-25516	1				
2	Clamp.....	PA-25517	1				
3	Bolt, Carr. 3/8-16NC x 3" Gr. 5.....	A-1484	4				
4	Nut, Hex Flng WhizLk 3/8-16UNC.....	PA-6823	4				
5	Mount Spacer.....	PA-25512	4				
6	Manifold.....	PA-25160	2				
7	Bolt, Hex 1/4-20NC x 3-1/4.....	PA-15789	4				
8	Nut, Hex 1/4-20 NC WhizLk.....	PA-6815	4				
9	HFTG Adpt 06MJ x 06MBSPP.....	PA-23765	4				
10	HFTG EL 90° 06MBSPP x 06MJ.....	PA-25503	4				
11	HHose 1/4 x 126L 06SFJ x 06FSJ.....	PA-15493	4				
12	HFTG Adpt 06MJ x 04MP.....	PA-15684	10				
13	PFTG Plug 1/4NPT Hex Skt.....	PA-7234	2				
14	PFTG Plug 06MP Sq Hd.....	PA-5281	4				
15	HHose 1/4 x 66L 06FSJ x 06FSJ.....	PA-12309	4				
16	HHose 1/4 x 212L 06FSJ x 06FSJ.....	PA-23783	2				
17	HFTG Bulkhead 06MJ x 06MJ.....	PA-23395	2				
18	HHose 1/4 x 82L 06FSJ x 06FSJ.....	PA-12310	2				
19	HFTG Adpt 9/16MJ x 3/4MORB.....	PA-14855	2				
20	HFTG Male Tip 08FORB.....	PA-10720	2				

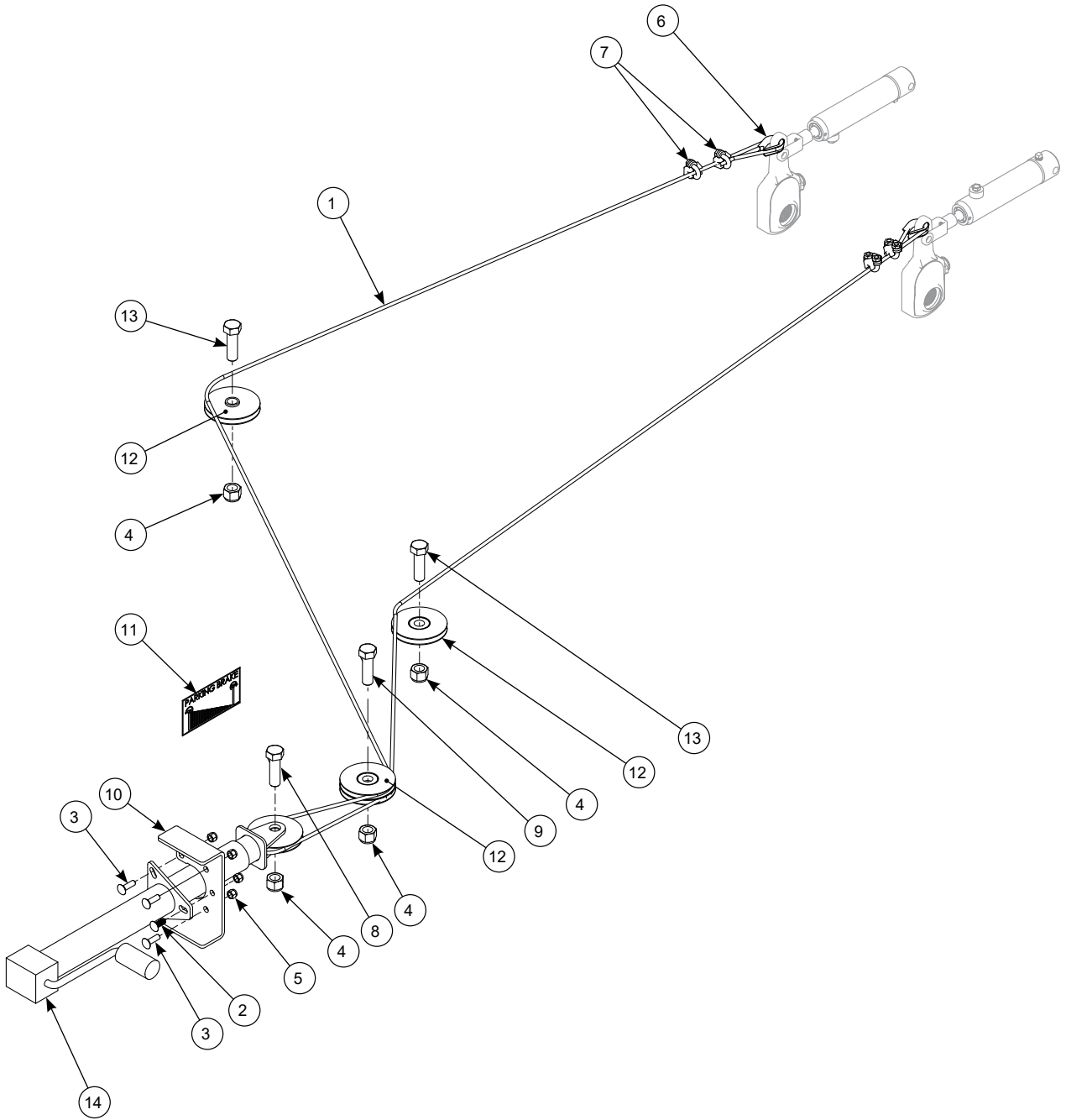
Figure 15
Hydraulic Systems—Brake Systems



Parts List for Figure 15

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
Brake Hydraulics							
1	Manifold.....	PA-28469	1				
2	Bolt Hex 1/4-20NC x 2-3/4L Gr. 5	PA-28661	2				
3	Nut, Hex 1/4-20NC2.....	PA-6815	4				
4	HFTG Plug 08MORB Hex 3/4MORB	PA-24689	1				
5	HFTG EI 90 12MORB x 08MJ	PA-18912	2				
6	HFTG ADPT 08MJx08MORB 3/4MJ.....	PA-20345	7				
7	HFTG ADPT 08MJ x 04MP	PA-28662	6				
	(Non-Steering)						
	HFTG EI 90 06MBSPP x 08MJ	PA-28358	6				
	(Self-Steering)						
8	HHOSE 3/8 x 296L 08FSJ x 08FSJ	PA-28663	1				
9	HHOSE 3/8 x 82L 08FSJ x 08FSJ	PA-27867	2				
	(Non-Steering-Front)						
	HHOSE 3/8 x 124L 08FSJ x 08FSJ	PA-24628	2				
	(Self-Steering-Front)						
10	HHOSE 3/8 x 40L 08FSJ x 08FSJ	PA-16724	2				
11	HHOSE 3/8 x 30L 08FSJ x 08FSJ	PA-25958	2				
	(Non-Steering-Rear)						
	HHOSE 3/8 x 48L 08FSJ x 08FSJ	PA-28856	2				
	(Self-Steering-Rear)						
12	Bleeder Assembly	PA-28468	1				
13	•HFTG Plug #20	PA-7346	1				
14	•Bleeder Screw.....	PA-7354	1				
15	FTG,Pipe 1/4NPT 90 EI Street SS	PA-21040	1				
16	HCPNT Gauge Pres 0-3000 04MP	PA-23716	1				
17	U-Bolt, 3/8-16NCx2-7/16x3-5/8	PA-23706	1				
18	Washer, Lock 3/8	A-64	2				
19	Nut, Hex 3/8-16 NC	A-68	2				
20	HHOSE 1/2 x 33L 08FSJ x 08FSJ	PA-25491	2				
21	HFTG ADPT 08MJ x 06MBSPP	PA-28470	1				
22	Hyd Quick Release Coupling	PA-23766	1				
23	HFTG ADPT MCPLG 1/2MBSPP.....	PA-25771	1				
24	HFTG ADPT 08FBSPP 1/2FBSPP	PA-25772	1				
25	HFTG Relief Valve 12MP 3/4MP.....	PA-18542	1				
26	Bolt, Hex 1/4-20NC x 3-1/4L	PA-15789	2				
27	Washer, Pln .25 x .73 x .065T	A-955	2				
28	Spacer 1" OD X 1-1/4" LG.....	PA-26862	2				
29	HFTG ADPT 08MJ 3/4MPx3/4MJ	PA-15311	2				
30	HHOSE 3/8 x 104L 08FSJ x 08FSJ	PA-27866	1				
31	HFTG Male Tip 08FORB 3/4FORB.....	PA-10720					
32	HHOSE 3/8 x 82L 08FSJ x 08FSJ	PA-27867	2				

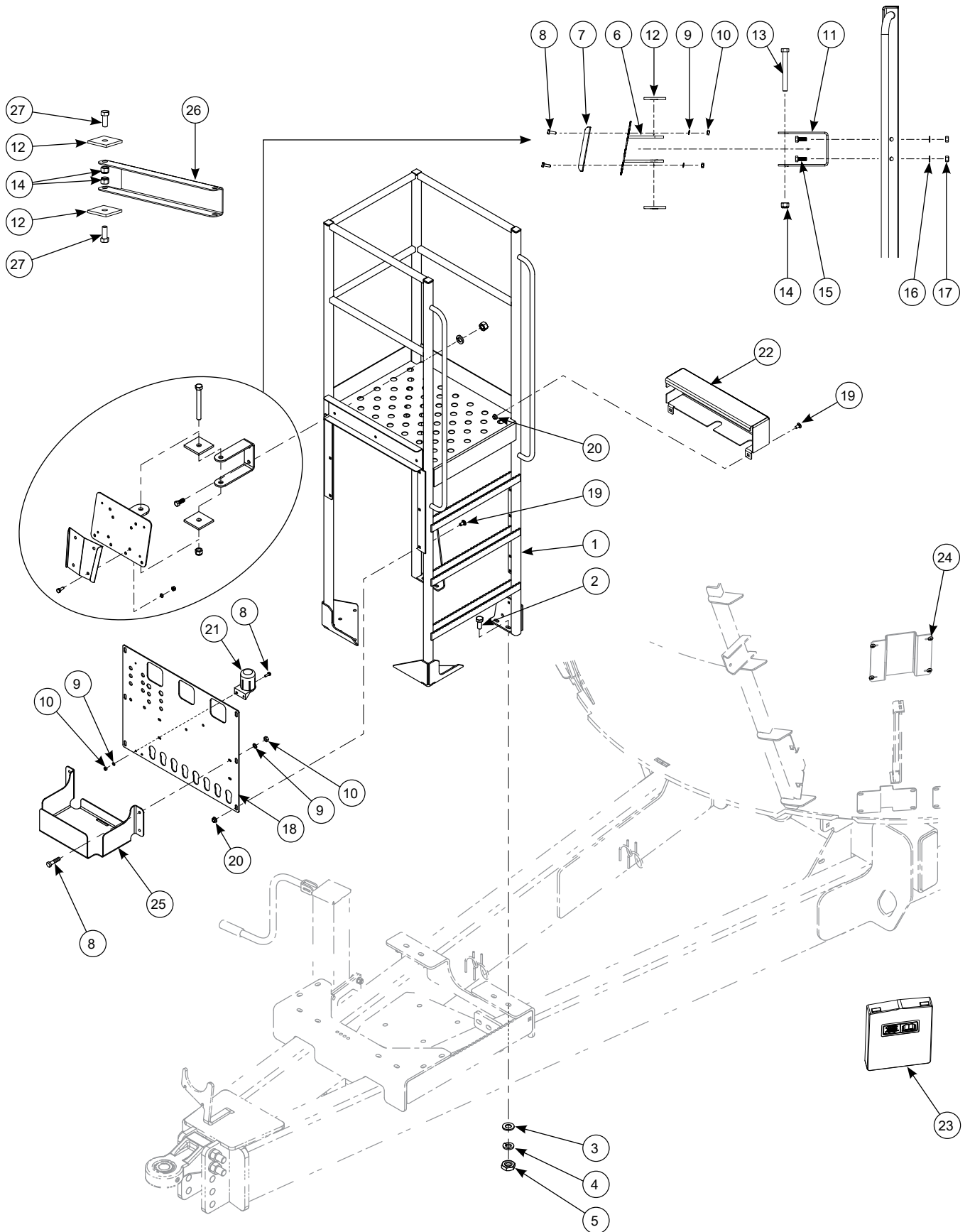
Figure 16
Parking Brake



Parts List for Figure 16

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Wire Rope 1/4 x 7 x 19 x 21'	PA-26031	1				
2	Bolt, Carr. 3/8-16NC x 1 Gr. 5	A-1285	1				
3	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	4				
4	Nut, Hex 3/4-10UNC, NyLk	A-1789	4				
5	Nut, Hex 3/8-16NC NyLk.....	A-301	5				
6	Cable Protector	A-568	2				
7	1/4" Wire Rope Clip	A-569	4				
8	Bolt, Hex 3/4-10NC x 2 Gr. 5.....	PA-11657	1				
9	Bolt, Hex 3/4-10NC x 2-1/2	PA-12108	1				
10	Back Plate	PA-25614	1				
11	Decal, Parking Brake.....	PA-25622	1				
12	Pulley, Wire Rope 4" OD.....	PA-25630	5				
13	Bolt, Hex 3/4-10NC x 2-1/2	PA-3692	2				
14	Parking Jack Steering	PB-7115	1				

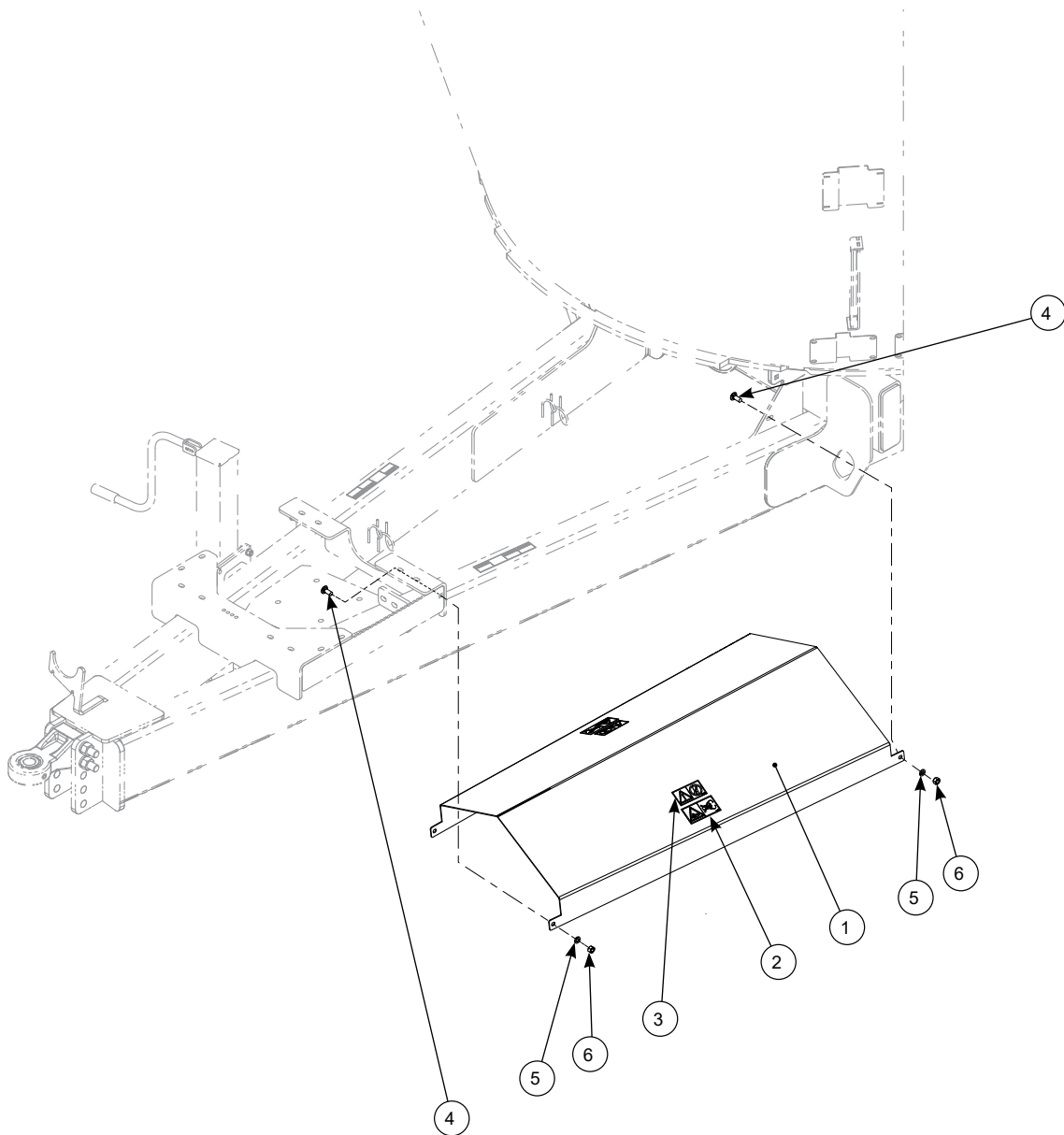
Figure 17
Platform, Battery Holder, Indicator Extension Arm, Manual Pack



Parts List for Figure 17

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Platform Weldment.....	PC-2732	AR				
2	Bolt, Hex 1/2-13NC x 1-1/2"	A-916	12				
3	Washer Lock 1/2 Std Med. Split.....	A-401	12				
4	Washer, Plain 1/2"	A-949	12				
5	Nut, Hex 1/2-13NC.....	A-16	12				
6	Indicator Plate	PA-11668	1				
7	WX Indicator Mounting Bracket.....	PA-10151	1				
	DG Indicator Mounting Bracket	PA-25523	1				
8	Bolt, Hex Hd 1/4-20NC x 3/4"	A-522	4				
9	Washer, Lock 1/4	A-853	4				
10	Nut, Hex 1/4-20 NC	A-859	4				
11	Indicator Mount.....	PA-21152	1				
12	Indicator Bar Cushion.....	PA-11648	2				
13	Bolt, Hex 1/2-13NC x 4-1/2	A-520	1				
14	Nut, Hex 1/2-13NC Lock Nylon	A-473	1				
15	Bolt, Hex 3/8-16NC x 1.....	A-588	2				
16	Washer, Lock 3/8	A-64	2				
17	Nut, Hex 3/8-16 NC.....	A-68	2				
18	Bulkhead Plate	PB-7098	1				
19	Bolt, Carr. 3/8-16NC x 3/4".....	A-1279	6				
20	Nut, Hex Flng WhizLk 3/8-16UNC.....	PA-6823	6				
21	Connector Plug Holder	PA-17537	1				
8	Bolt, Hex Hd 1/4-20NC x 3/4".....	A-522	2				
9	Washer, 1/4" Lock	A-853	2				
10	Nut, Hex 1/4-20NC	A-859	2				
22	Wire Cover (AutoShift Only).....	PB-8265	1				
19	Bolt, Carr. 3/8-16NC x 3/4L Gr 5.....	A-1279	2				
20	Nut, Hex 3/8-16NC WhizLk.....	PB-6823	2				
23	Plastic Manual Pack.....	PA-19959	1				
24	Rivet, 3/16WDOM AL/ST 1/2-1/4	PA-8193	4				
25	Battery Holder Kit.....	PA-24539	AR				
8	•Bolt, Hex 1/4-13NC x 3/4" Lg	A-522	4				
9	•Washer, 1/4 Lock	A-853	4				
10	•Nut, Hex 1/4-20NC.....	A-859	4				
26	Indicator Extension Arm Pkg.	PA-21150	1				
12	•Indicator Bar Cushion	PA-11648	2				
27	•Bolt, Hex 1/2-13NC x 1-1/4	A-724	2				
14	•Nut, Hex 1/2-13NC Lock Nylon.....	A-473	2				

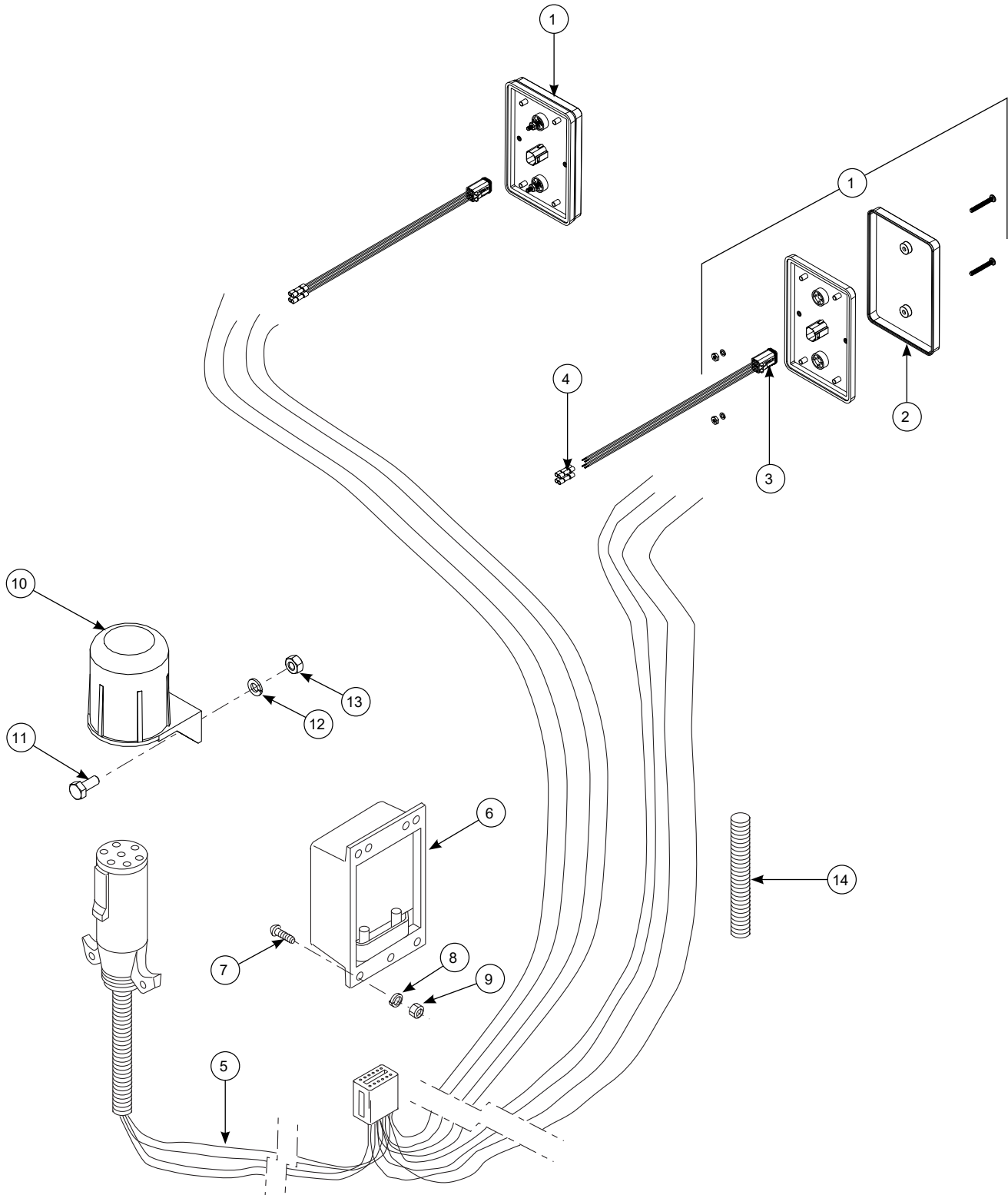
Figure 18
Secondary Driveline Shaft Cover



Parts List for Figure 18

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Secondary Driveline Guard Package...PB-6272		1				
2	•Safety Sign DrvIn Entanglement	PA-28446	2				
3	•Safety Sign No Step/Stand	PA-26347	2				
4	•Bolt, Carr. 1/2-13NC x 1-1/4 Gr. 5	PA-14397	4				
5	•Washer Lock 1/2 Std Med. Split.....	A-401	4				
6	•Nut, Hex 1/2-13NC.....	A-16	4				

Figure 19
LED Tail Lamps

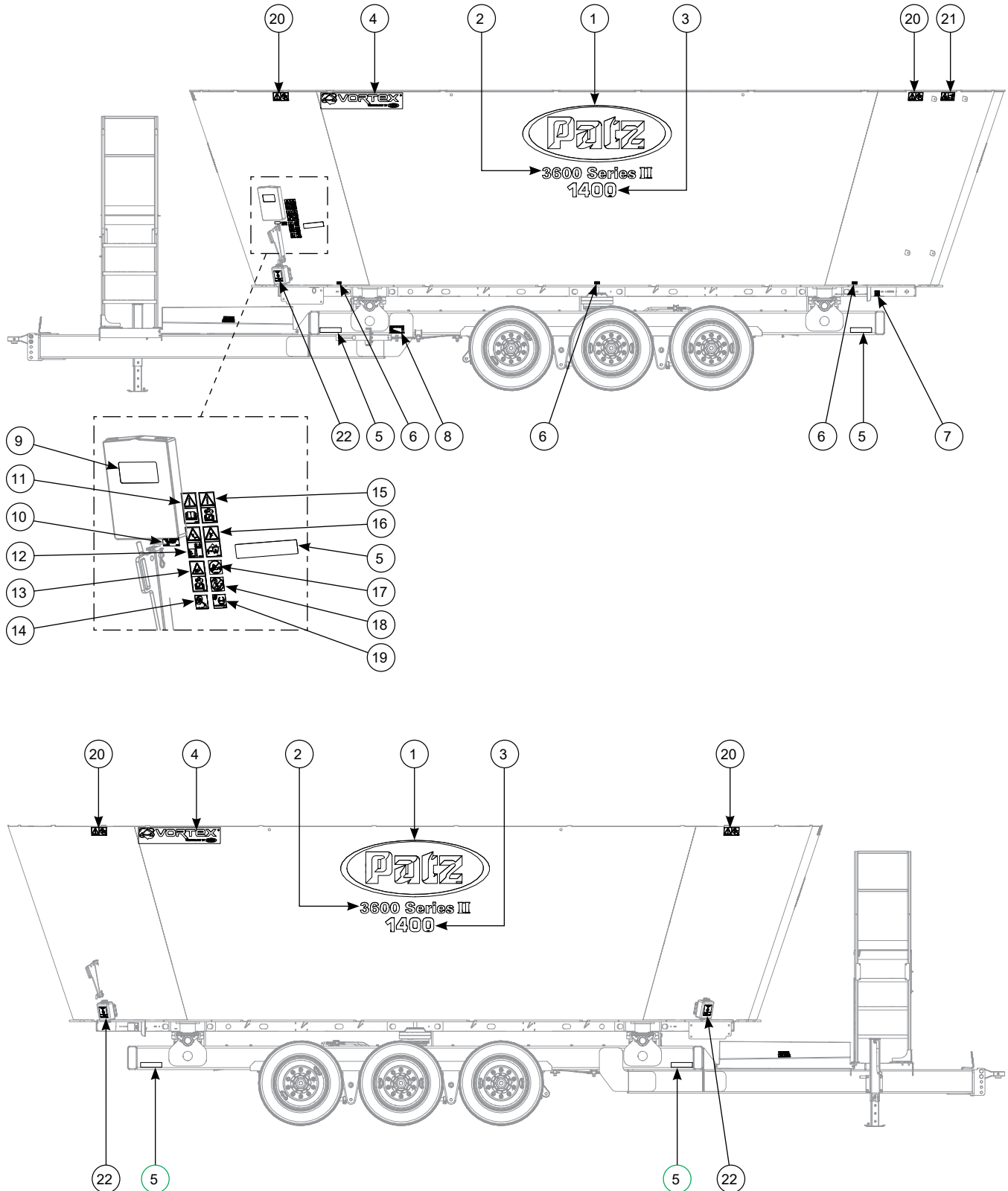


**NOTE: POSITION OF ITEM NO. 2 IS
DEPENDENT ON THE SIZE OF THE MIXER.**

Parts List for Figure 19

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	LED Combination Tail Lamp	PA-29341	2				
2	•LED Tail Lamp Lens	PA-29351	1				
3	•LED Tail Lamp Wire Assembly	PA-29342	1				
4	Butt Splice, 16-14 Ga. Wire, Blue.....	PA-20459	8				
5	Wiring Harness..... (Includes 7-Pin Connector and 12-Pin Connector)	PA-20457	1				
6	Lamp Interface Module.....	PA-20456	1				
7	Screw, Mach. Slotted, #8-32NC x 3/4"	A-1462	4				
8	Washer, Lock #8 SS.....	PA-5177	4				
9	Nut, Hex #8-32NC	A-1463	4				
10	Connector Plug Holder	PA-17537	1				
11	Bolt, Hex 1/4-20NC x 5/8" Lg	PA-6436	2				
12	Washer, 1/4" Lock	A-853	2				
13	Nut, Hex 1/4-20NC	A-859	2				
14	Split Wire Loom, 3/8" ID.	PA-20491	12'				

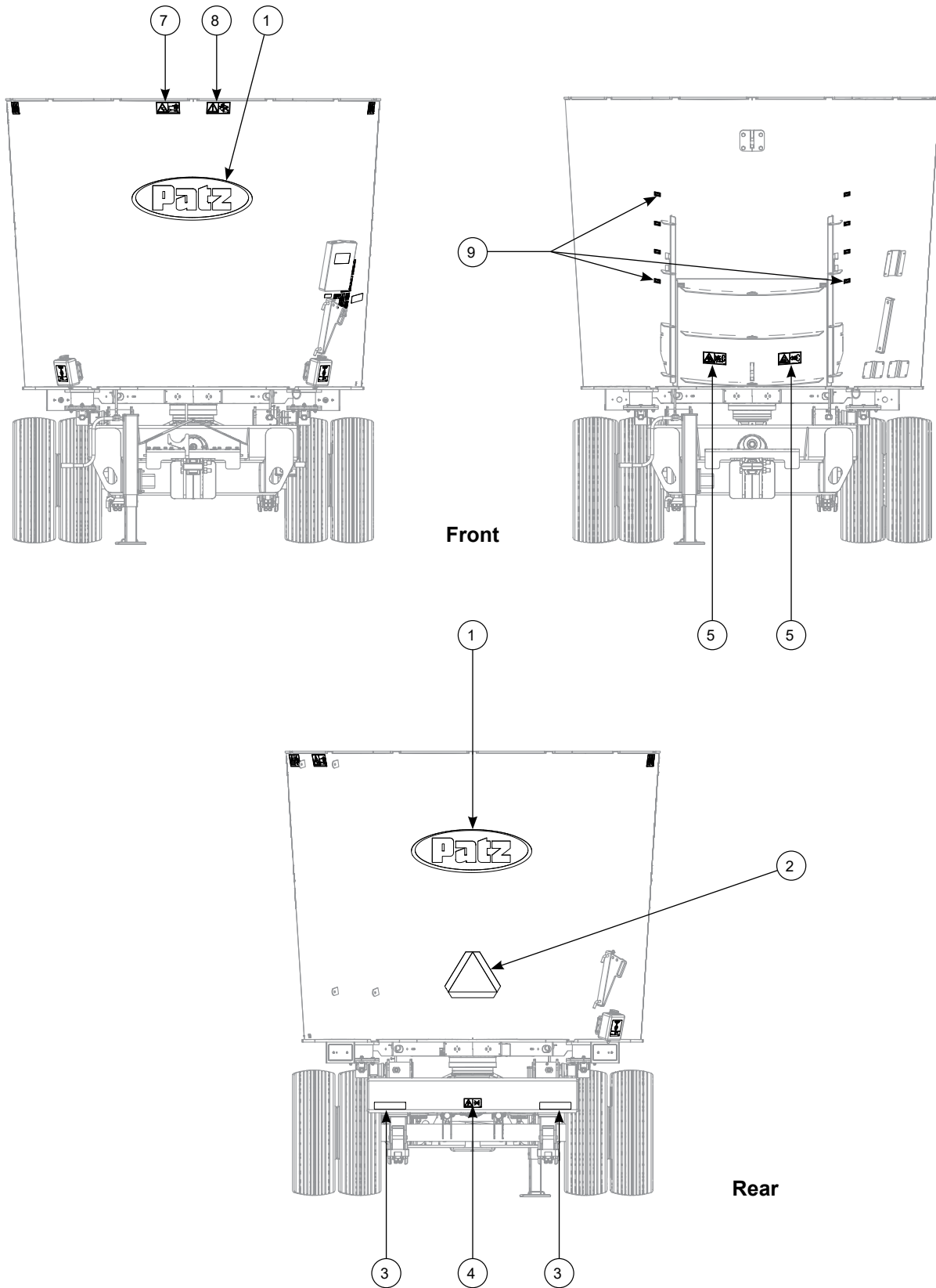
Figure 20
Decals (Sides)



Parts List for Figure 20

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Patz Oval Decal 24 x 63.....	PB-6150	2				
2	3600 Series II Decal.....	PB-7037	2				
3	Decal 1400 Logo.....	PA-25111	2				
4	Decal Vortex 34 x 6.1875.....	PA-26371	2				
5	SAF Sign Yellow Delineator.....	PA-6415	5				
6	Grease Decal.....	PA-19863	2				
7	Decal, Shear Bolt 5/16 x 2L Gr. 5.....	PB-21293	1				
8	Decal, Parking Brake.....	PA-25622	1				
9	Safety Sign Replace Manual.....	PA-28458	1				
10	Decal, Patent Numbers.....	PA-26307	1				
11	Safety Sign Read Manual Pictorials.....	PA-26283	1				
12	Safety Sign Trip Haz Fall In.....	PA-28220	1				
13	Safety Sign Hi Pres Fluid Loto.....	PA-28019	1				
14	Sign Info Lug Nut 425 Ft/lbs.....	PA-28885	1				
15	Safety Sign Read The Manual LOTO.....	PA-28017	1				
16	Safety Sign Flying Object Stay Away.....	PA-28221	1				
17	Sign Info No Pressure Wash.....	PA-28334	1				
18	Sign Info Do Not Weld.....	PA-28448	1				
19	Sign Info 120 PSI Tire.....	PA-28884	1				
20	Safety Sign Auger Entanglement.....	PA-28443	4				
21	Safety Sign Trip Haz Do Not Ride.....	PA-28018	1				
22	Decal, Reservoir Oil Level.....	PA-22690	3				

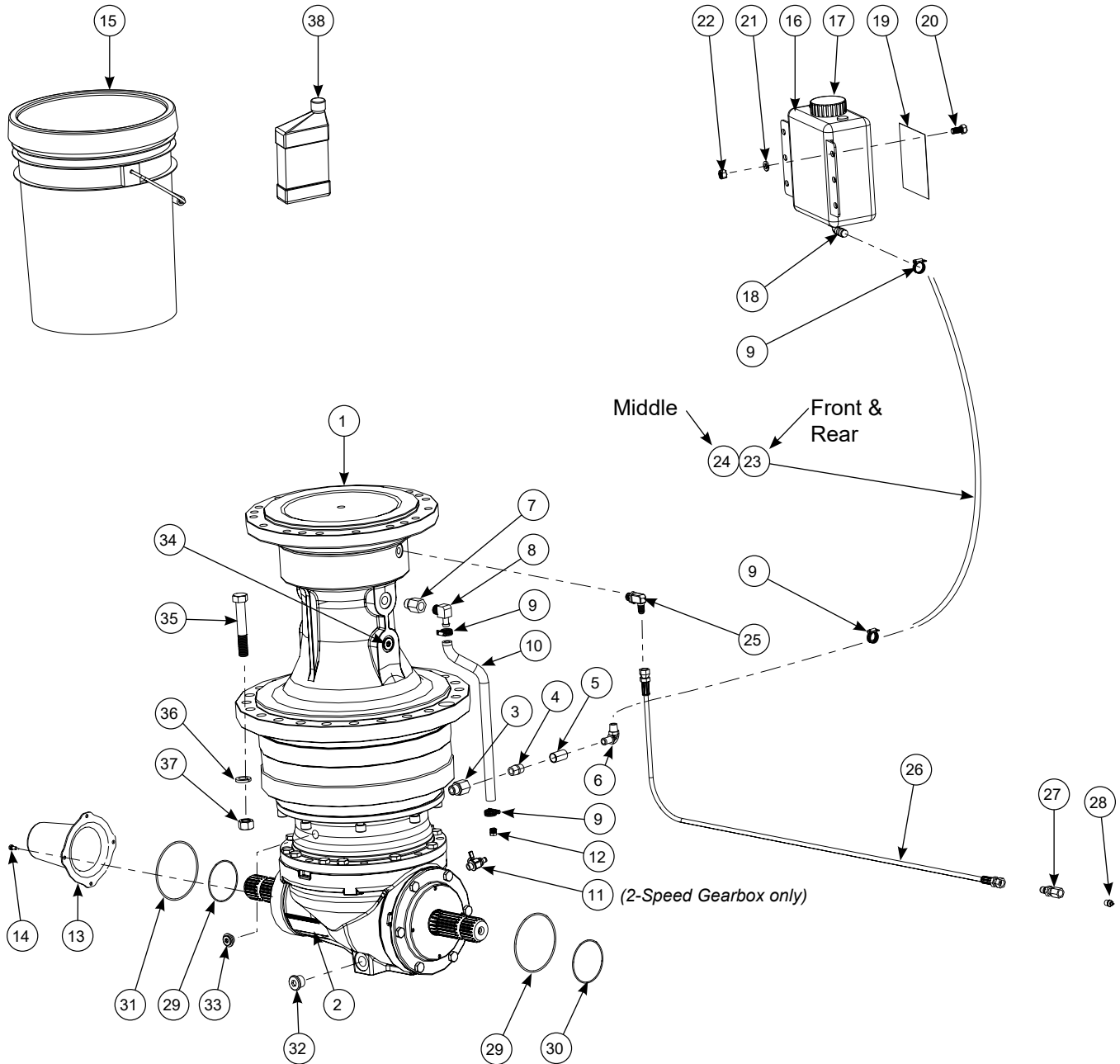
Figure 21
Decals (Front and Rear)



Parts List for Figure 21

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Patz Oval Decal 34 x 13.....	PB-4955	2				
2	SMV Emblem	PA-4011	1				
3	Saf Sign Red Delineator.....	PA-6414	2				
4	Safety Sign Fly Obj Do Not Hook.....	PA-28083	1				
5	Safety Sign Rotating Auger.....	PA-28073	1				
6	Safety Sign Rot Auger Keep Out.....	PA-28223	1				
7	Safety Sign Trip Haz Do Not Ride.....	PA-28018	1				
8	Safety Sign Auger Entanglement	PA-28443	1				
9	Decal, Indicator Bar.....	PA-19275	10				

Figure 22
Planetary Gearbox with Hoses

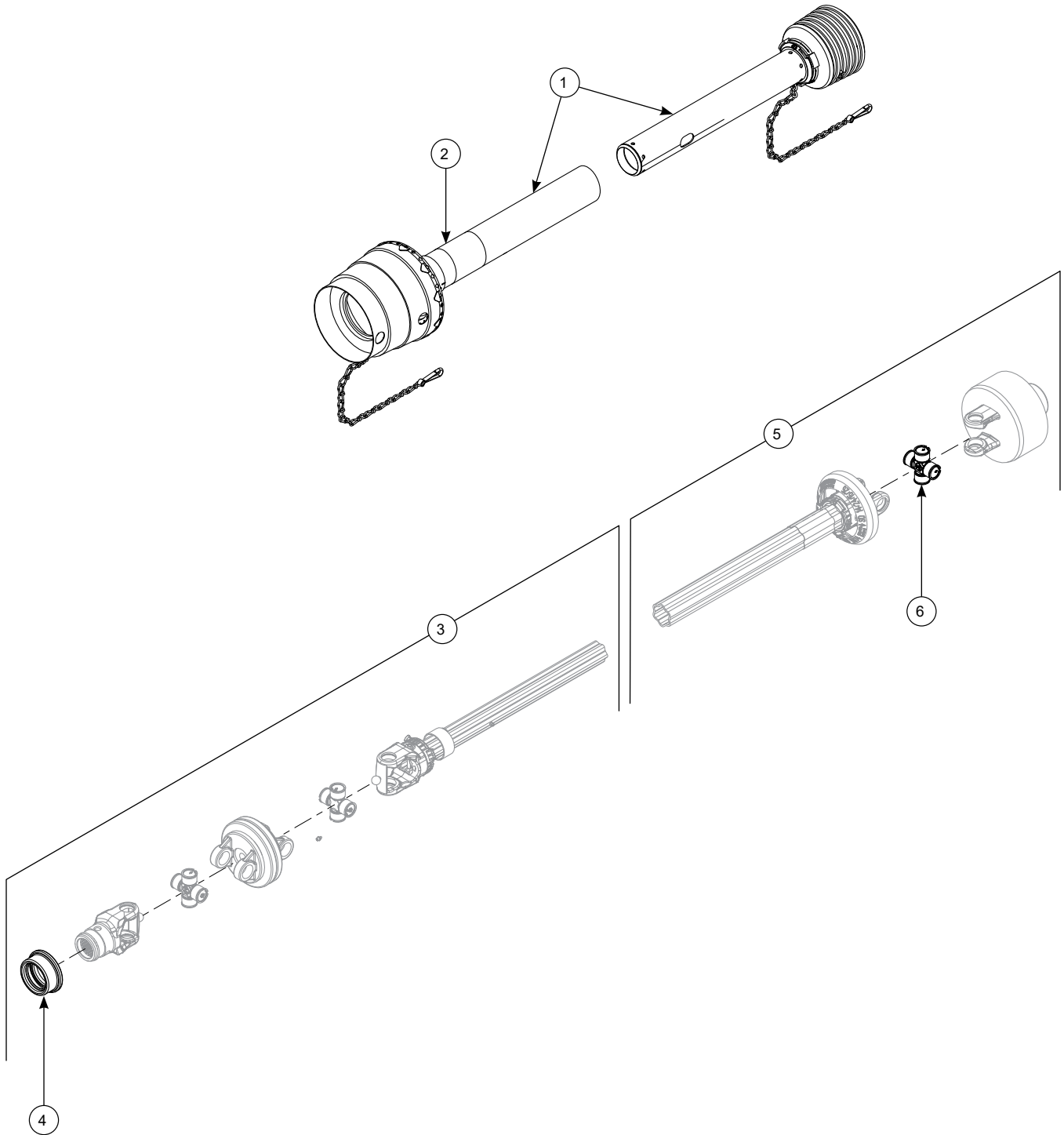


Note: Oil capacity of planetaries is 3.0 gallons in the front planetary and 0.4 gallon added in reservoir. 3.0 gallons in rear planetary and 0.5 gallon added to reservoir. Oil level should be just above bottom line on reservoir.

Parts List for Figure 22

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
Planetary Replacement							
	RR2100 DU RA300 25.67:1	PA-26588	AR				
	<i>(2-Speed ONLY)</i>						
	RR2100 DU RA300 23.08:1	PA-27531	AR				
	<i>(Powershift Transmission ONLY)</i>						
	RR2100 DU RA300 20.18:1	PA-29985	AR				
	<i>(Autoshift Transmission ONLY)</i>						
1	•Plnty, RR2100 DU RA300 25.67:1.....	PC-2825	AR				
	<i>(Raw) (2-Speed)</i>						
	•Plnty, RR2100 DU RA300 23.08:1.....	PC-2927	AR				
	<i>(Raw) (Powershift)</i>						
	•Plnty, RR2100 DU RA300 20.18:1.....	PC-3147	AR				
	<i>(Raw) (Autoshift)</i>						
2	•Sign Info Do Not Dismantle.....	PA-28447	1				
3	•HFTG Red. 1/2 MNPT x 3/8 FNPT	PA-21130	1				
4	•PFTG Nip. 3/8 NPT x 1" LG	PA-21832	1				
5	•PFTG Cplg 3/8NPT	PA-9575	1				
6	•PFTG EI 90 3/8NPT x 1/2NIP	PA-20807	1				
7	•HFTG, Adpt,3/8MBSPPx3/8FNPT	PA-20279	1				
8	•Elbow, Brass 90° 3/8NPTx3/8 Hose	PA-20806	1				
9	•Hose Clamp 1/2-29/32 SS	PA-14677	4				
10	•HHose, Multi-Purpose 3/8" ID x 16".....	PA-26253	1				
11	•HFTG Valve Oil Drain 06MP-3/8H	PA-28491	1				
12	•PFTG, Vent 1/8NPT	PA-26251	1				
13	•Shaft Guard.....	PA-26696	1				
14	•Bolt, Hex M5 x 10MM Lg.....	PA-26695	4				
15	•Oil, Synthetic 75W90 w/EP 5 Gal	PA-22676	1				
16	V.M. Oil Reservoir Assy	PA-20905	AR				
17	•Reservoir Cap w/Dipstick	PA-24060	1				
18	•PFTG EI 04MP X 1/2" ID.....	PA-20836	1				
19	•Decal, Oil Level.....	PA-22690	1				
20	Bolt, Hex 3/8-16NC x 3/4.....	A-63	4				
21	Washer, Lk 3/8	A-64	4				
22	Nut, Hex 3/8-16NC	A-68	4				
23	Hose, 1/2 ID Multi-Purpose x 84"	PA-20280	2				
24	Hose, 1/2 ID Multi-Purpose x 168"	PA-21393	1				
25	HFTG EI 90° 04MP x 04MJ	PA-22248	1				
26	HHose 1/8 x 66 w/7/16-20FSJ	PA-20283	1				
27	HFTG Bulkhead 04MJ x 02FP	PA-20281	1				
28	Grease Fitting 1/8-27NPT	A-97	1				
29	Seal, Metric 45ID x 65OD x 10T.....	PA-23194	2				
30	Seal, O-Ring	PA-21490	1				
31	Seal, O-Ring 3.987 ID x 0.103	PA-14920	1				
32	HFTG Plug 08BSPP Hollow Hex Mag.....	PA-25984	1				
33	HFTG Plug 08BSPP Hollow Hex	PA-25631	1				
34	PFTG Plug 06BSPP Hollow Hex.....	PA-25546	1				
35	Bolt, Hex 5/8-11NC x 4" Lg Gr. 8	PA-22862	23				
36	Washer, Lock 5/8 Med Split	A-1243	23				
37	Nut, Hex 5/8-11NC	A-36	23				
38	Synthetic Oil 75/90 w/EP Quart.....	PA-22677	AR				

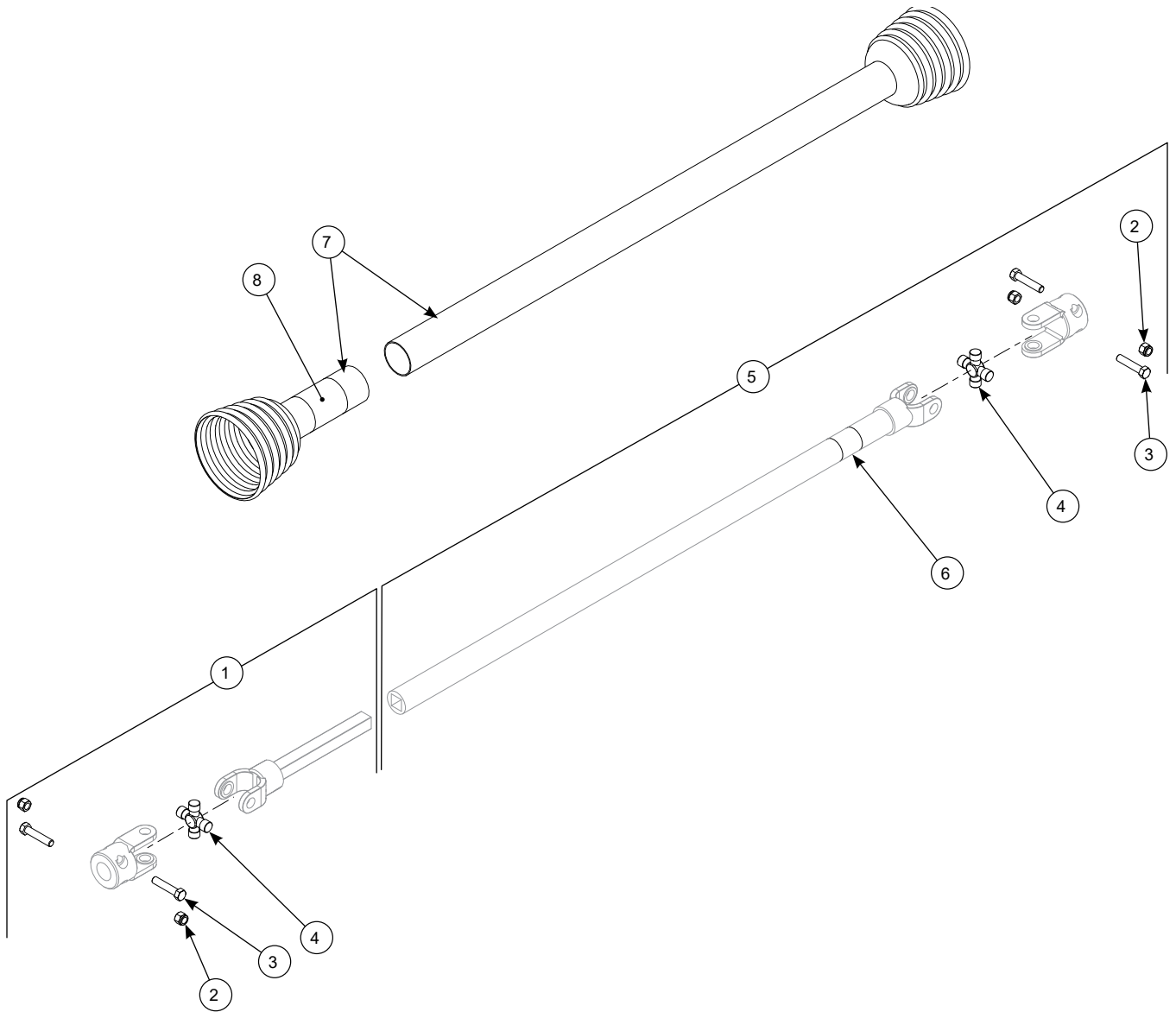
Figure 23
Primary Driveline



Parts List for Figure 23

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
2-SPEED GEAR BOX							
	Drvl, 1-3/4-20SP-CV W/C-O CL	PB-7552	1				
1	•Complete Guard Kit	PA-26034	1				
2	••Safety Sign PTO Danger	PA-6327	1				
3	•Drvl, Trac Half 1-3/4" 20SPL	PB-7140	AR				
4	••Drvl, AS Collar Kit	PA-21222	1				
5	•Drvl, Impl Half 1-3/4-20 W/C-O	PB-7553	AR				
6	••Cross & Bearing Kit	PA-26183	1				
POWERSHIFT & AUTOSHIFT							
	Drvl, 1-3/4-20SP-CV W/C-O CL	PB-8001	1				
1	•Complete Guard Kit	PA-26034	1				
2	••Safety Sign PTO Danger	PA-6327	1				
3	•Drvl, Trac Half 1-3/4" 20SPL	PB-7140	AR				
4	••Drvl, AS Collar Kit	PA-21222	1				
5	•Drvl, Impl Half 1-3/4-20 W/C-O	PB-8002	AR				
6	••Cross & Bearing Kit	PA-26183	1				

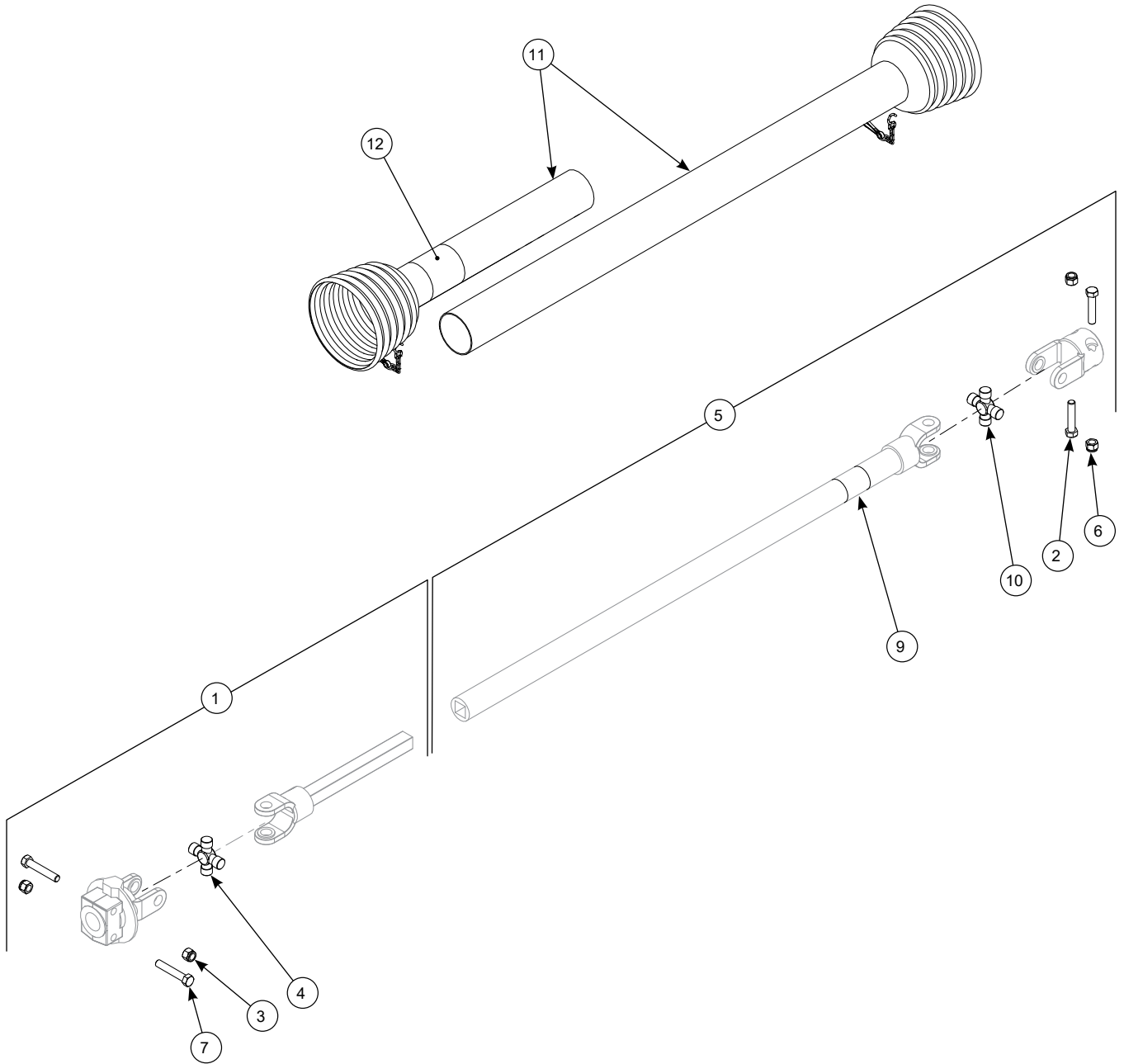
Figure 24
Secondary & Tertiary Driveline



Parts List for Figure 24

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	DrvlN, 1-3/4SP x 1-3/4SP (WE)	PB-6045	1				
1	•DrvlN, 1-3/4-20SP Male Half	PB-6275	1				
2	••Locknut, 5/8-11	A-1503	2				
3	••Bolt, 5/8-11 x 3 Lg Gr. 8.....	PA-23780	2				
4	••55E Cross & Bearing Kit	PA-23777	1				
5	•DrvlN, 1-3/4-20SP Female Half	PB-6276	1				
2	••Locknut, 5/8-11	A-1503	2				
3	••Bolt, 5/8-11 x 3 Lg Gr. 8.....	PA-23780	2				
4	••55E Cross & Bearing Kit	PA-23777	1				
6	••Safety Sign PTO Shield Missing.....	PA-7842	1				
7	•Guard, DrvlN Repair Kit.....	PA-26032	1				
8	••Safety Sign PTO Danger (Weasler).....	PA-6372	1				

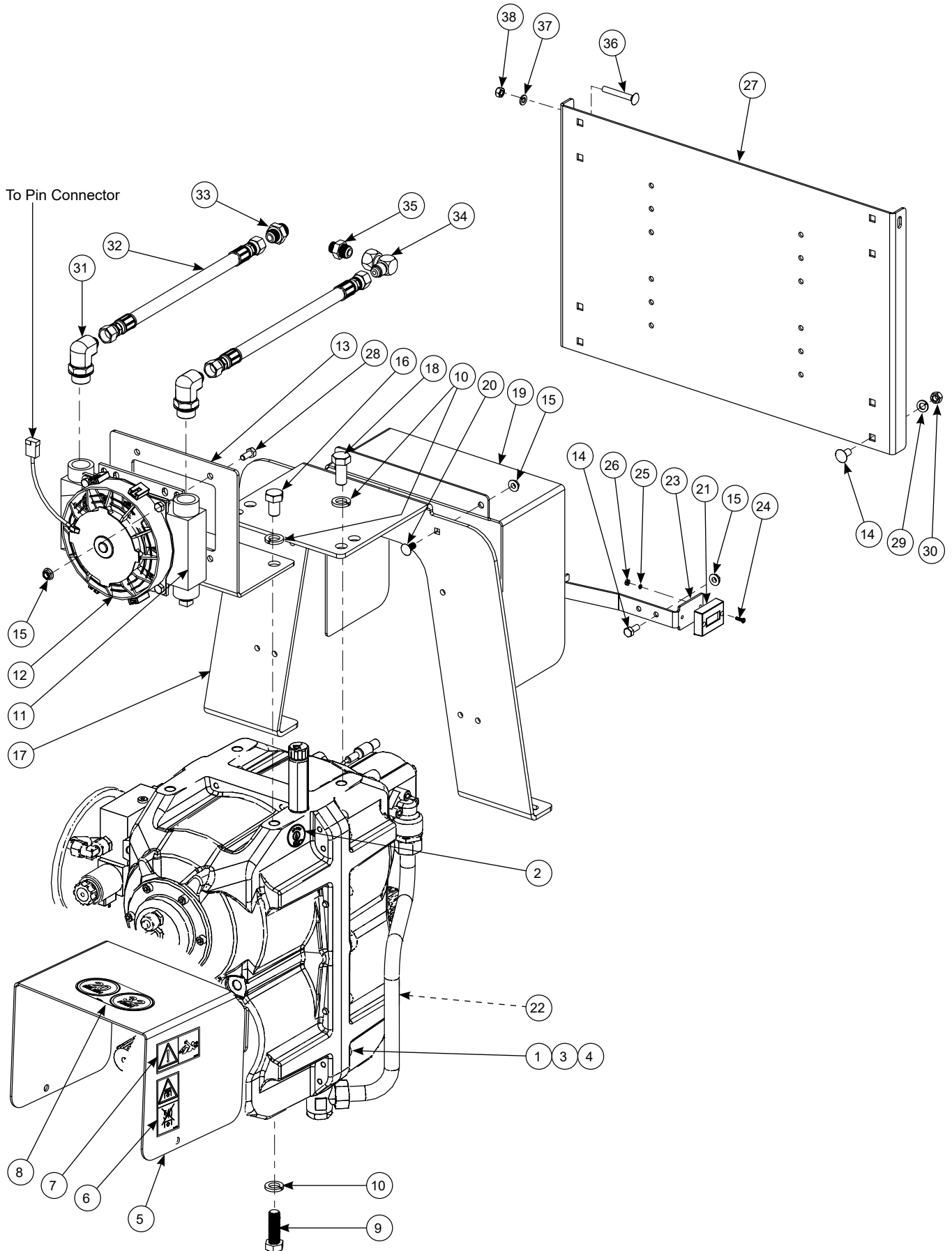
Figure 25
Quadinary Driveline



Parts List for Figure 25

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
2-SPEED & POWERSHIFT							
	DrvlN, 1-3/4SPF x 1-3/4SPF 5/16 x 2.5.....	PB-6047	1				
1	•DrvlN, 1-3/4-20SP Male Half 35E.....	PB-6277	1				
2	••Bolt, 5/8-18 x 3 Lg Gr. 5.....	PA-12116	2				
3	••Locknut, 5/8-18.....	PA-17667	2				
4	••35E Cross & Bearing Kit.....	PA-21318	1				
5	•DrvlN, 1-3/4-20SP 5/16SB Fem 35E.....	PB-6278	1				
6	••Locknut, 5/8-11.....	A-1503	2				
7	••Bolt, 5/8-11 x 3.5 Lg Gr. 5.....	PA-21319	2				
8	••Shear Bolt Bag 5/16 x 2 Gr. 5 Ft.....	PA-22404	1				
9	••Safety Sign.....	PA-7842	1				
10	••35E Cross & Bearing Kit.....	PA-21318	1				
11	•Guard, DrvlN Repair Kit.....	PA-26033	1				
12	••Safety Sign.....	PA-6372	1				
AUTOSHIFT							
	DrvlN, 1-3/4SPF x 1-3/4SPF 5/16 x 2.5.....	PB-8298	1				
1	•DrvlN, 1-3/4-20SP Male Half 35E.....	PA-29758	1				
2	••Bolt, 5/8-18 x 3 Lg Gr. 5.....	PA-12116	2				
3	••Locknut, 5/8-18.....	PA-17667	2				
4	••35E Cross & Bearing Kit.....	PA-21318	1				
5	•DrvlN, 1-3/4-20SP 5/16SB Fem 35E.....	PA-29759	1				
6	••Locknut, 5/8-11.....	A-1503	2				
7	••Bolt, 5/8-11 x 3.5 Lg Gr. 5.....	PA-21319	2				
8	••Shear Bolt Bag 5/16 x 2 Gr. 5 Ft.....	PA-22404	1				
9	••Safety Sign.....	PA-7842	1				
10	••35E Cross & Bearing Kit.....	PA-21318	1				
11	•Guard, DrvlN Repair Kit.....	PA-26033	1				
12	••Safety Sign.....	PA-6372	1				

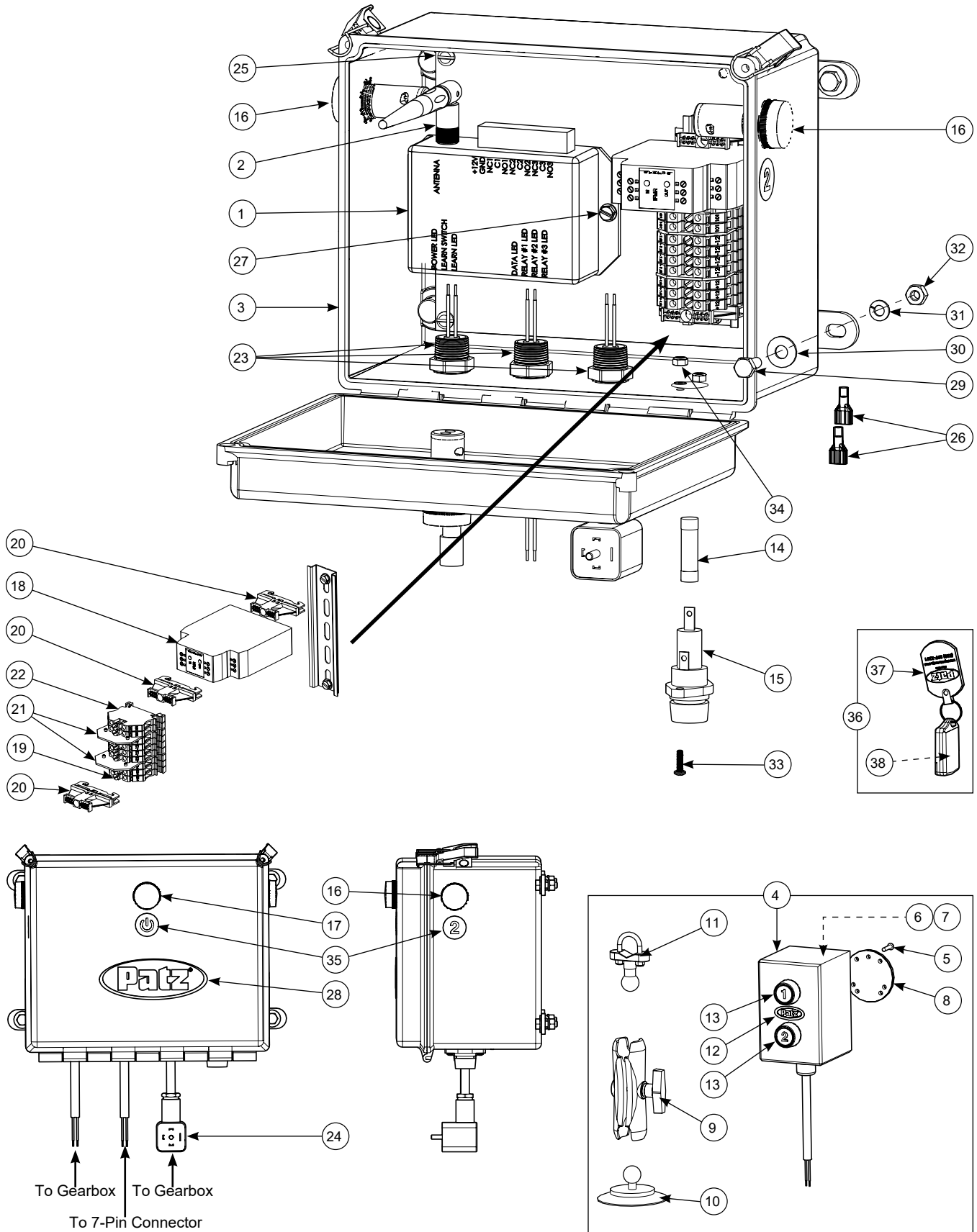
Figure 26
Powershift Gearbox Package



Parts List for Figure 26

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Gearbox, 2-Spd Auto 1.83:1.05.....	PA-28677	1				
2	•Decal, ATF Only.....	PA-28599	1				
3	•Filter Assembly	PA-27677	1				
4	••Filter Element.....	PA-27678	1				
5	Input Guard Assy.....	PA-26968	1				
6	•SAF Sign 1000 RPM PTO	PA-28219	2				
7	•SAF Sign DrvIn Entanglement	PA-28445	2				
8	•SAF Sign 20 MPH 32 KMH.....	PA-28343	1				
9	Bolt, Hex M16 x 50mm CL. 10.9	PA-27643	4				
10	Washer, Lock 5/8 Med. Split	A-1243	8				
11	Hyd. Oil Cooler	PA-25094	1				
12	•Fan Assembly	PA-25547	1				
13	Radiator Mount.....	PA-27058	1				
14	Bolt, Hex HD 5/16-18NCx3/4" Lg	A-758	6				
15	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	8				
16	Bolt, Hex M16 x 25mm CL 8.8	PA-21414	2				
17	Transmission Plate.....	PB-7341	1				
18	Bolt, Hex M16 x 35 mm Cl 10.9.....	PA-21234	2				
19	Back Guard	PA-27166	1				
20	Bolt, Carr. 5/16-18NC x 3/4" Gr. 5.....	A-119	2				
21	Meter, Hour Sensor Activated	PA-21288	1				
22	•Magnet, .187OD x 06T Pkg 2	PA-26456	1				
23	Meter Mntg Brkt-950Auto	PA-27128	1				
24	Screw, Machine #6-32NC x 1/2" LG	PA-17828	2				
25	Washer, Lock #6 Med. Split	PA-11276	2				
26	Nut, Hex #6-32NC	PA-7743	2				
27	Control Box Plate	PB-7537	1				
28	Bolt, Carr. 3/8-16NC x 3/4"	A-1279	4				
29	Washer, Lock 3/8	A-64	4				
30	Nut, Hex 3/8-16NC	A-68	4				
31	HFTG EI 90 12MORB x 08MJ	PA-18912	2				
32	HHose 3/8 x 30L 08FSJ x 08FSJ.....	PA-25958	2				
33	HFTG Adpt MJ08 x 08MBSPP	PA-27642	1				
34	HFTG EI 90 08MJ x 08FSJ	PA-21881	1				
35	HFTG Adpt MJ08 x mm16.....	PA-27641	1				
36	Bolt, Carr. 5/16-18NCx2-1/4L Gr. 5.....	PA-18494	2				
37	Washer, Lock 5/16 Med Split	A-120	2				
38	Nut, Hex 5/16-18NC Am. Std	A-15	2				

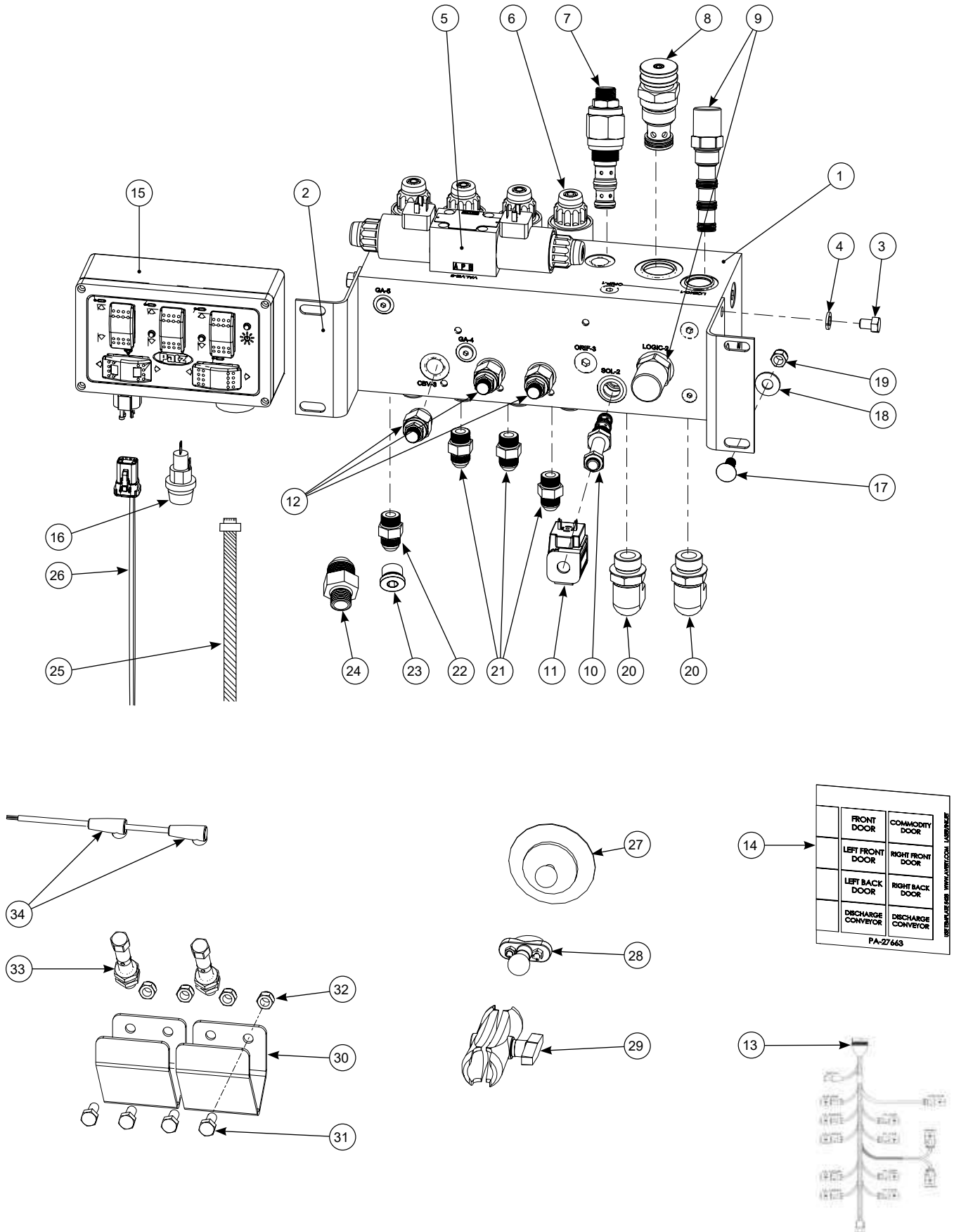
Figure 27
Powershift Control Box



Parts List for Figure 27

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	Elec. Control Box Powershift.....	PC-2937	AR				
1	•Elec. Remote Relay RX	PA-27559	1				
2	••Antenna	PA-27585	1				
3	•Elec. Enclosure 10 x 8 x 6 FG	PA-27557	1				
4	•12V DC Push Btn TX Kit w/Ram.....	PA-27582	1				
5	••Screw, Machine #8-32 x 3/4 Lg	A-1462	3				
6	••Nut, Hex #8-32NC	A-1463	3				
7	••Washer, Lock #8.....	PA-5177	3				
8	••Ram Mount, 1" Ball.....	PA-27580	1				
9	••Ram, Double Socket Arm	PA-27646	1				
10	••Ram, Suction Cup.....	PA-27647	1				
11	••Ram, Rail Base 0.5–1.25.....	PA-27648	1				
12	••Decal Patz Logo	PA-27666	1				
13	••Decal Sheet, Transmitter Button.....	PA-27665	1				
14	•Elec. Fuse 15A Midget SloBlo	PA-27539	1				
15	•Elec. Fuse Holder Midget Class.....	PA-27537	1				
16	•Elec. Indicator 22 mm LED Red.....	PA-27421	2				
17	•Elec. Indicator 22 mm LED Green	PA-27419	1				
18	•Elec. Speed Switch	PA-27408	1				
19	•Elec. Jumper Bar 5 Branch	PA-26327	2				
20	•Elec. End Anchor	PA-26324	3				
21	•Elec. End Plate 6 mm	PA-26323	2				
22	•Elec. Terminal Block M4/6 STD 6mm	PA-26322	9				
23	•Elec. Cord. Grip 1/2NPT-PWR&MTR	PA-26321	3				
24	•HCPNT, Hirshman Conn. GDM-3014J ..	PA-25998	1				
25	•Mach. Screw, Pan HD #10-32NFx3/8	PA-11845	4				
26	•1/4" Female Quick Slide Terminal.....	PA-6063	2				
27	•Screw, Self Tap #10-24NCx3/8SL HD...	PA-5818	2				
28	•Patz Decal, 1-3/4 x 4-3/4	PA-5125	1				
29	•Bolt, Hex HD. 1/4-20NC x 3/4"	A-522	4				
30	•Washer, Plain 1/4 Std	A-955	4				
31	•Washer, Lock 1/4 Med. Split	A-853	4				
32	•Nut, Hex 1/4-20NC2.....	A-859	4				
33	•Screw, Mach. #6-32NCx1/2L Rd Phil	PA-17828	2				
34	•Nut, Hex Nylock #6-32NC.....	PA-17997	2				
35	•Decal Sheet, Powershift C.B.....	PA-27664	1				
36	•Key Fob Tx Kit	PA-27583	1				
37	••Patz Blue Keychain.....	PA-27698	1				
38	••Elec. Battery 12V A23.....	PA-27584	1				

Figure 28
Hydraulic Control Center 5FN

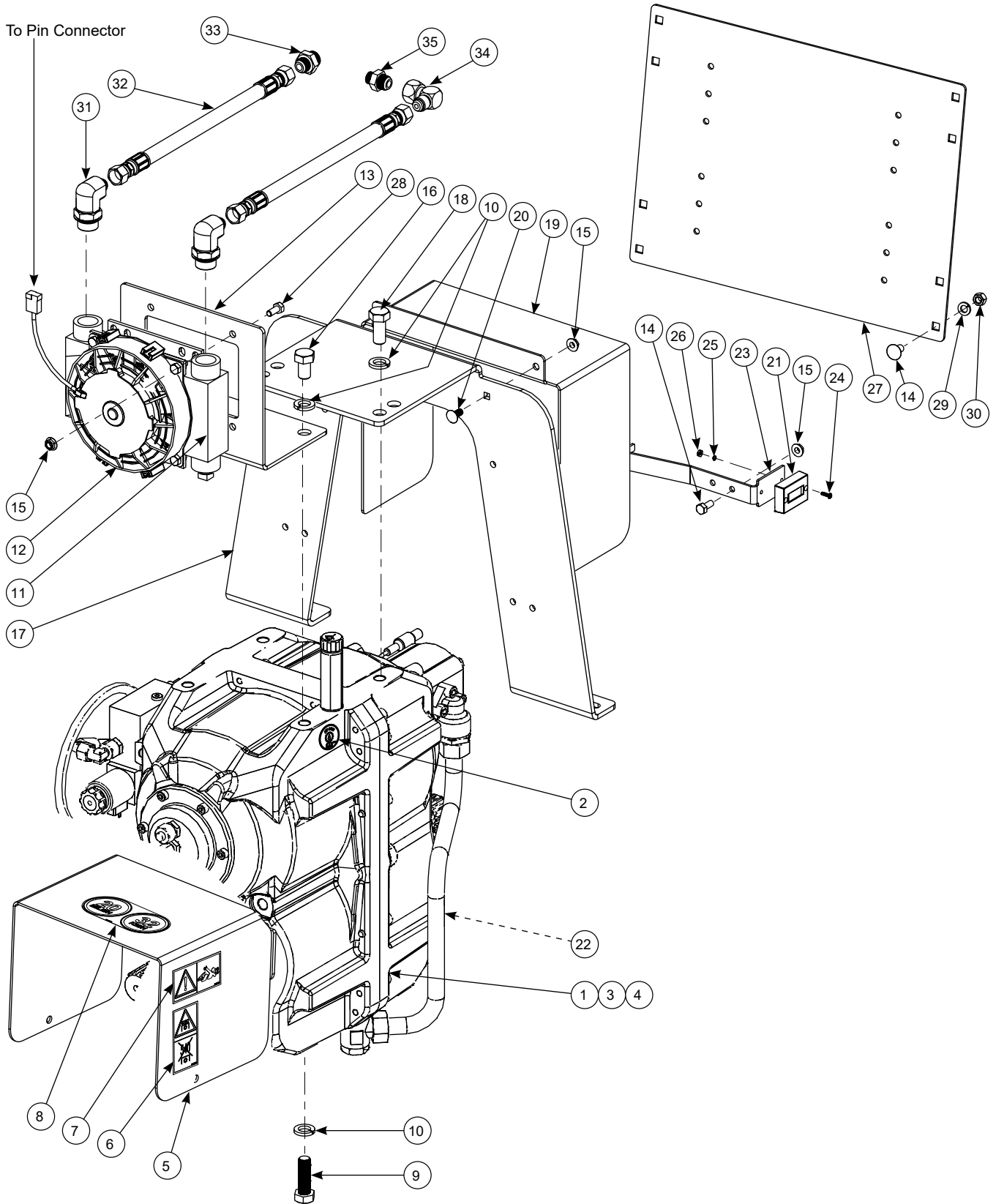


Parts List for Figure 28

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	Hydraulic Control Center 5FN	PA-27477	1				
1	•Control Valve, w/Harness 5FN.....	PB-7293	1				
2	••Mounting Bracket.....	PA-27723	2				
3	••Bolt, Hex. 3/8-16UNC x 1-1/2"	A-1270	4				
4	••Washer, Lock 3/8.....	A-64	4				
5	••Hyd Valve Sol 3Pos 4Way CC 12V	PA-27718	1				
6	••Hyd Valve Sol 3Pos 4Way FC 12V.....	PA-27717	4				
7	••Hyd Valve, Pressure Reducing	PA-27719	1				
8	••Hyd Valve, Needle Valve w/Knob	PA-27716	1				
9	••HCPT. Priority Spool Element	PA-27720	2				
10	••Hyd. Valve, Sol. 2-Pos, 2-Way N.O.	PA-27714	2				
11	••HCPNT Supercoil 1/2" 12V DC Din	PA-27715	2				
12	••Hyd. Valve Counter Balance.....	PA-27721	3				
13	••Wire Harness	PA-27722	1				
14	••Decal Sheet, HHC	PA-27663	1				
15	•Elec. Cntrl Box Main Valve 5FN.....	PB-7294	1				
16	••Elec. Fuse 20A Midget SLOBLO	PA-27478	1				
17	•Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	4				
18	•Washer, Plain 3/8.....	A-925	4				
19	•Nut, Hex 3/8-16NC NyLk	A-301	4				
20	•HFTG EI 90 12MORB x 08MJ	PA-18912	2				
21	•HFTG Adpt 06MORB x 06MJ	PA-22243	8				
22	•HTFG Adpt 08MJ x 08MORB	PA-20345	2				
*23	•HFTG Adpt 06MORB x 08MJ	PA-27586	2				
*24	•HFTG Plug 06MORB	PA-27587	2				
25	•Elec. GS Main Harness.....	PA-26850	1				
26	•Elec. GS Power Harness	PA-26851	1				
27	•Ram, Suction Cup.....	PA-27647	1				
28	•Ram, Rail Base 0.5–1.25	PA-27648	1				
29	•Ram, Double Socket Arm	PA-27646	1				
30	•Sensor Mount.....	PA-27480	2				
31	•Bolt, Hex HD 5/16-18NC x 3/4" Lg.....	A-758	4				
32	•Nylon Insert Lock Nut, 5/16-18UNC.....	A-997	4				
33	•Elec. Proximity Sensor 12mm	PA-26832	2				
34	•Sensor Cable Q/D 12 mmx10 mm Lg	PA-27127	2				

* Depending on door package used depends on with fitting is used.

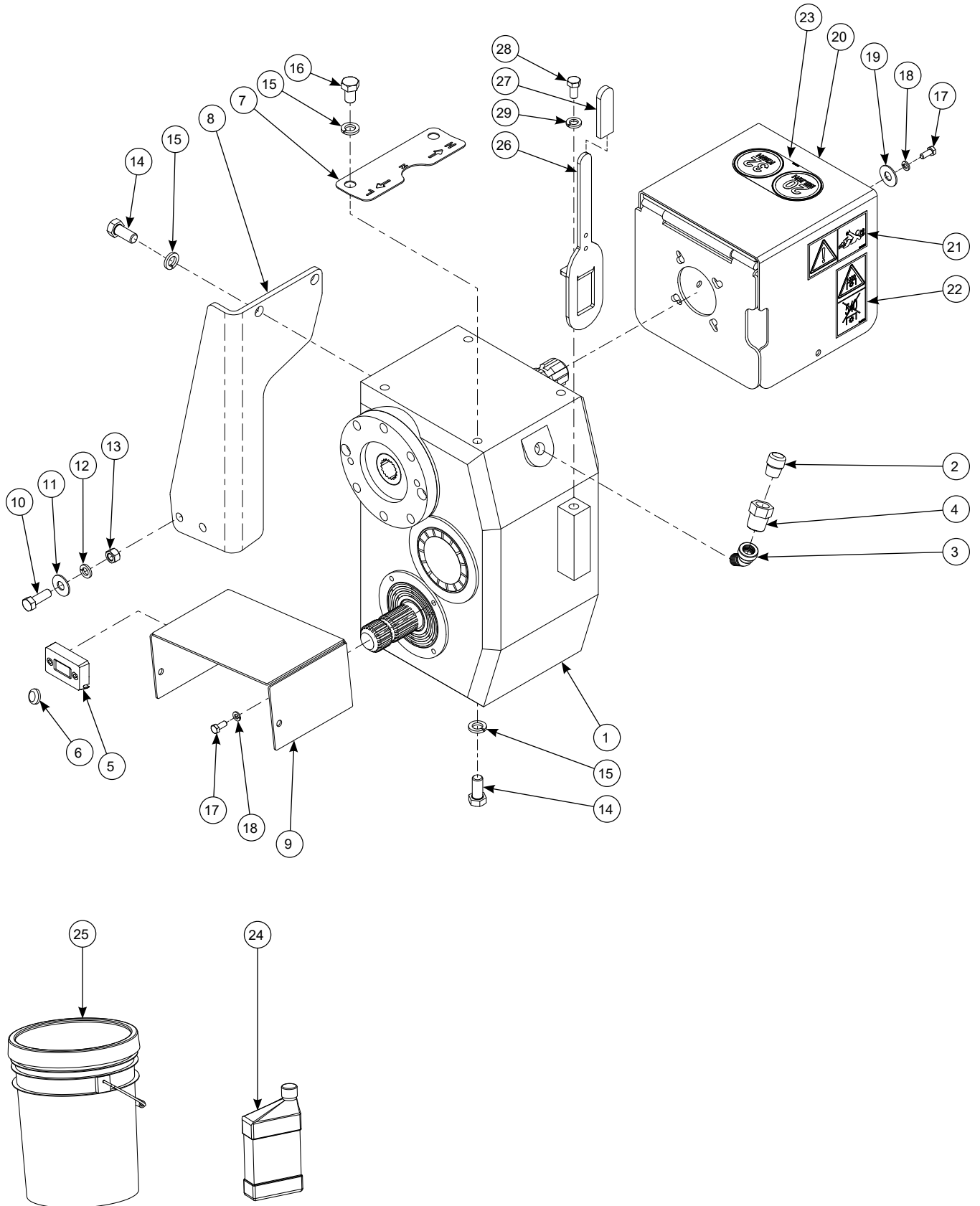
Figure 29
Powershift Transmission



Parts List for Figure 29

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Gearbox, 2-Spd Auto 1.83:1.05.....	PA-28677	1				
2	•Decal, ATF Only.....	PA-28599	1				
3	•Filter Assembly	PA-27677	1				
4	••Filter Element.....	PA-27678	1				
5	Input Guard Assy.....	PA-26968	1				
6	•SAF Sign 1000 RPM PTO	PA-28219	2				
7	•SAF Sign DrvIn Entanglement	PA-28445	2				
8	•SAF Sign 20 MPH 32 KMH.....	PA-28343	1				
9	Bolt, Hex M16 x 50mm CI 10.9.....	PA-27643	4				
10	Washer, Lock 5/8 Med. Split	A-1243	8				
11	Hyd. Oil Cooler	PA-25094	1				
12	•Fan Assembly	PA-25547	1				
13	Radiator Mount.....	PA-27058	1				
14	Bolt, Hex HD 5/16-18NC x 3/4" LG	A-758	6				
15	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	8				
16	Bolt, Hex M16 x 25mm CI 8.8.....	PA-21414	2				
17	Transmission Plate.....	PB-7341	1				
18	Bolt, Hex M16 x 35 mm CI 10.9.....	PA-21234	2				
19	Back Guard	PA-27166	1				
20	Bolt, Carr. 5/16-18NC x 3/4" Gr.5.....	A-119	2				
21	Meter, Hour Sensor Activated	PA-21288	1				
22	•Magnet, .187OD x 06T Pkg 2	PA-26456	1				
23	Meter Mntg Brkt-950Auto	PA-27128	1				
24	Screw, Machine #6-32NC x 1/2" LG	PA-17828	2				
25	Washer, Lock #6 Med. Split	PA-11276	2				
26	Nut, Hex #6-32NC	PA-7743	2				
27	Control Box Plate	PB-7536	1				
28	Bolt, Carr. 3/8-16NC x 3/4"	A-1279	4				
29	Washer, Lock 3/8	A-64	4				
30	Nut, Hex 3/8-16NC	A-68	4				
31	HFTG EI 90 12MORB x 08MJ	PA-18912	2				
32	HHose 3/8 x 30L 08FSJ x 08FSJ.....	PA-25958	2				
33	HFTG Adpt MJ08 x 08MBSPP	PA-27642	1				
34	HFTG EI 90 08MJ x 08FSJ	PA-21881	1				
35	HFTG Adpt MJ08 x mm16.....	PA-27641	1				

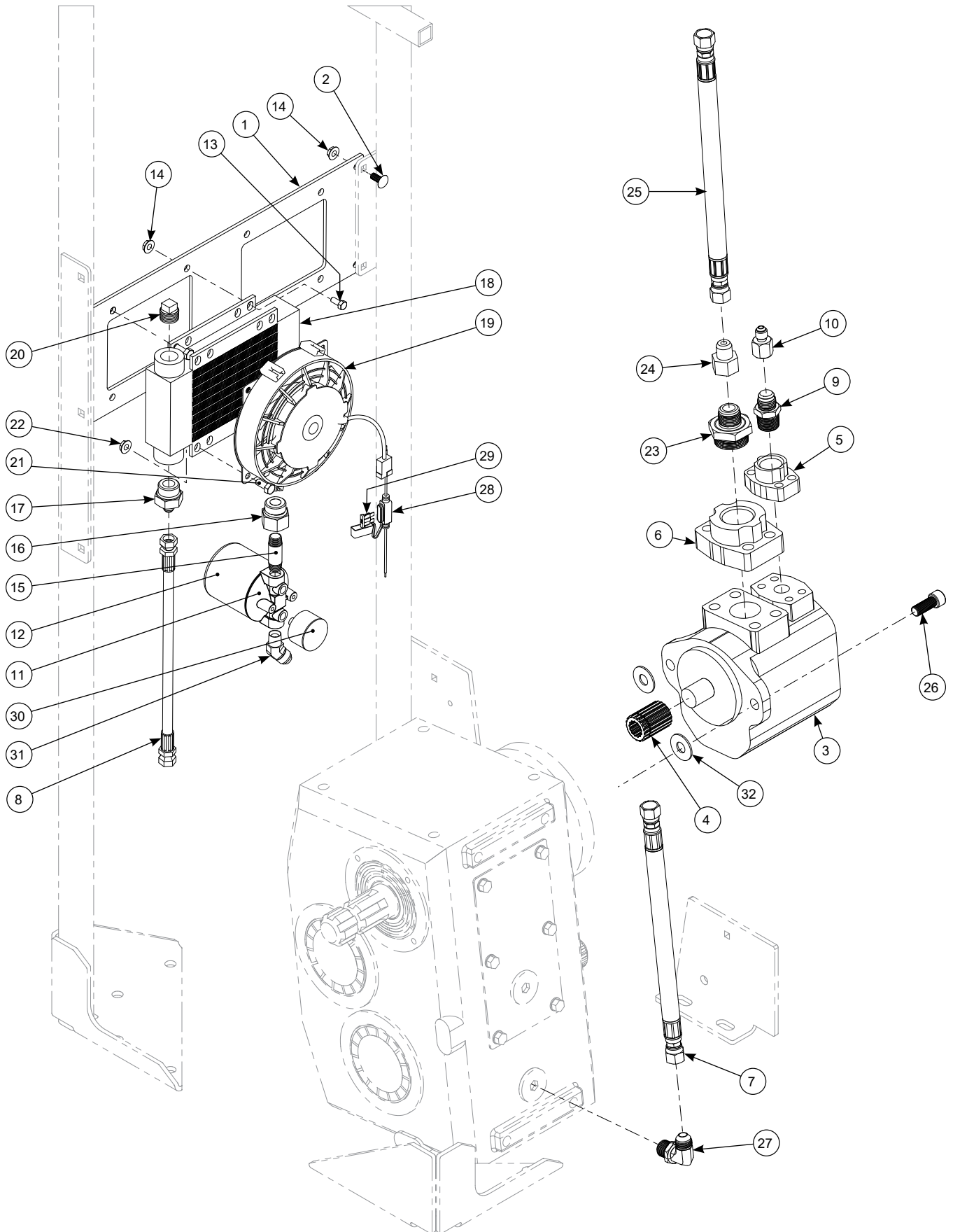
Figure 30
2-Speed Gearbox Package



Parts List for Figure 30

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
Gearbox, Inline 2-Speed AP602							
	1:1/1.8:1 20SPL.....	PA-28092	1				
1	•Gearbox Inl 2-SP AP602..... (Raw)	PC-2938NP	1				
2	PFTG Vent 06 MP 0-PSI.....	PA-20313	1				
3	HFTG EI 45° 08MP x 08FP	PA-20270	1				
4	HFTG Red. 12 MNPT x 3/8FNPT.....	PA-21130	1				
5	Hour Meter w/Sensor	PA-21291	1				
6	•Magnet, .187OD x .06T Pkg 2	PA-26456	1				
7	Indicator, 2-Speed	PB-5235	1				
8	Gearbox Support.....	PB-6166	1				
9	Output Guard.....	PB-6227	1				
10	Bolt, Hex 1/2-13NC x 1-1/2"	A-916	2				
11	Washer, Plain 1/2"	A-949	2				
12	Washer Lock 1/2 Std. Med. Split.....	A-401	2				
13	Nut, Hex 1/2-13NC	A-16	2				
14	Bolt, Hex M16 x 35mm CI 10.9.....	PA-21234	6				
15	Washer, Lock 5/8 Med. Split	A-1243	8				
16	Bolt, Hex M16 x 25mm CI 8.8.....	PA-21414	2				
17	Bolt, Hex M8 x 20mm Lg.....	PA-10679	6				
18	Washer, Lock 5/16"	A-120	6				
19	Washer, Flat 5/16".....	A-109	4				
20	Guard, Input Assy.....	PA-28594	1				
21	•Safety Sign DrvIn Entanglement	PA-28445	2				
22	•Safety Sign 1000 RPM PTO	PA-28219	2				
23	•Safety Sign 20MPH 32KMH.....	PA-28343	1				
24	Synthetic Oil 75/90 w/EP Quart.....	PA-22677	11				
25	Oil, Synthetic 75W90 w/EP 5 Gal.....	PA-22676	AR				
26	Straight Lever Bar	PA-22486	1				
27	Rectangle Grip 1/4 x 1 x 3-1/2" LG	PA-13456	1				
28	Bolt, Hex M12 x 25MM L.....	PA-11717	1				
29	Washer, Lock 9/16	PA-12111	1				

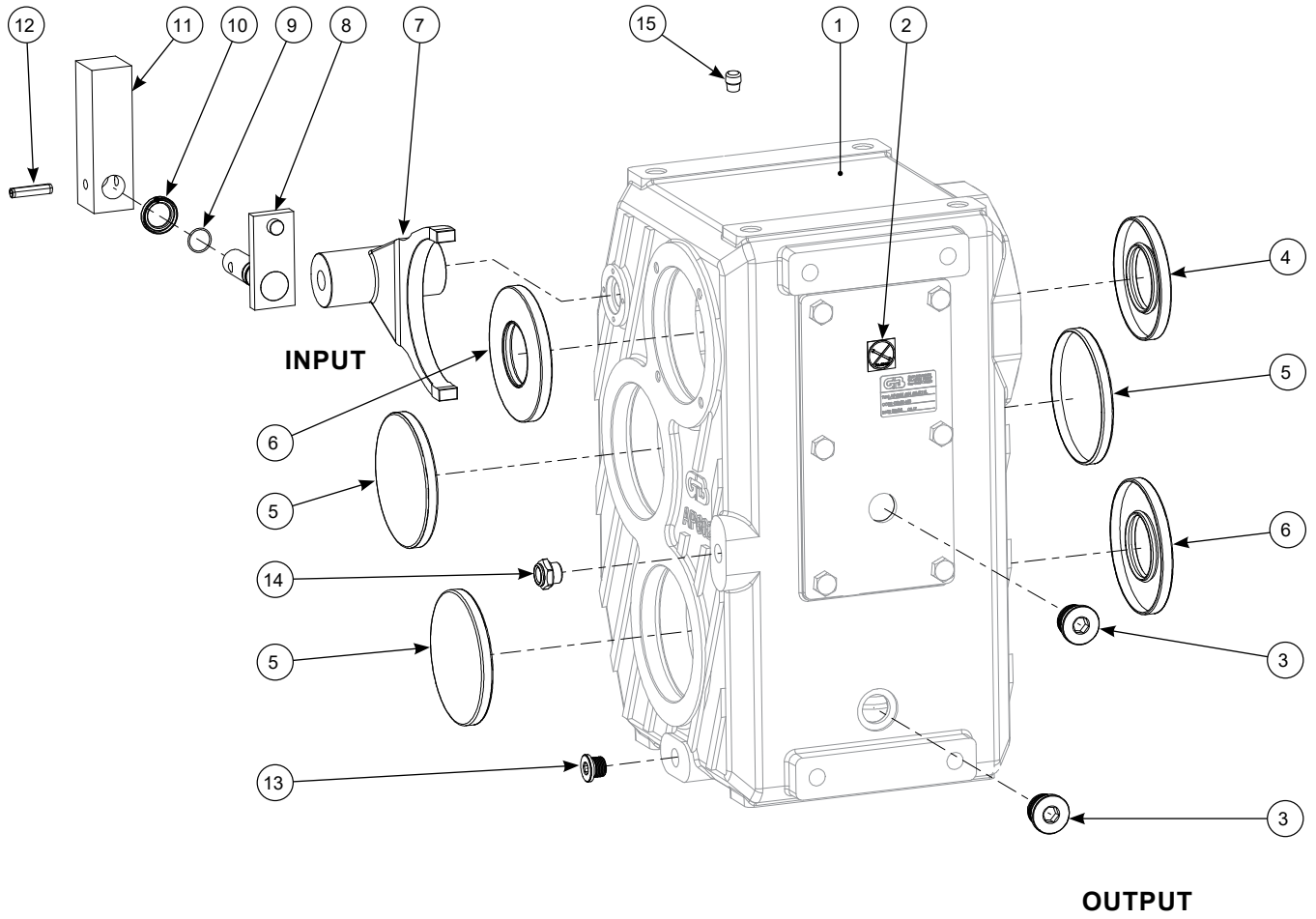
Figure 31
2-Speed Gearbox Cooling System



Parts List for Figure 31

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Radiator Mount.....	PA-25130	1				
2	Bolt, Carr. 5/16-18NC x 3/4" Gr. 5.....	A-119	4				
3	Hyd. Pump 2GPM 13T Spline.....	PA-25138	1				
4	Pump Input Shaft Coupler.....	PA-23770	1				
5	Flange Kit 3/4" Code 61 x 3/4" FB.....	PA-23443	1				
6	Flange Kit 1-1/2 FB.....	PA-25144	1				
7	HHose 1/2 x 24.5L 08FSJ x 08FSJ.....	PA-25492	1				
8	HHose 1/4 x 82L 06FSJ x 06FSJ.....	PA-12310	1				
9	HFTG Adpt 10MJ x 12MORB.....	PA-23448	1				
10	HFTG Adpt 10FJ x 06MJ.....	PA-25142	1				
11	Hyd. Oil Filter, Spin-On 06FP.....	PA-25096	1				
12	Hyd. Filter Element, 3/4-16 25µ.....	PA-25095	1				
13	Bolt, Hex Hd 5/16-18NC x 3/4" Lg.....	A-758	4				
14	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	8				
15	PFTG 3/8 NPT x 2" Lg Nipple.....	PA-9577	1				
16	HFTG Adpt 12MORB-06FP.....	PA-25534	1				
17	HFTG Adpt 12MORB x 06MJ.....	PA-25535	1				
18	Hyd. Oil Cooler.....	PA-25094	1				
19	Fan Assembly.....	PA-25547	1				
20	PFTG Plug 08MP Sq Hd.....	A-54	1				
21	Bolt, Hex Hd 5/16-18NC x 3/4" Lg.....	A-758	4				
22	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	4				
23	HFTG Adpt 24MORB x 12MJ.....	PA-25145	1				
24	HFTG Adpt 12FJ x 08MJ.....	PA-25166	1				
25	HHose 1/2 x 33L 08FSJ x 08FSJ.....	PA-25491	1				
26	Screw, Soc. 1/2-20NF x 1L Hex.....	PA-23243	2				
27	HFTG EI 90° 08MJ x 12MBSPP.....	PA-23424	1				
28	Elec. Fuse Inline Holder 2.5-30A.....	PA-25405	1				
29	Elec. Fuse Blade Style 15 AMP.....	PA-25406	1				
30	Filter Gauge 15-110-30.....	PA-23386	1				
31	HFTG EI 45° 06MP x 08MJ.....	PA-25493	1				
32	Washer, Plain 1/2".....	A-949	2				

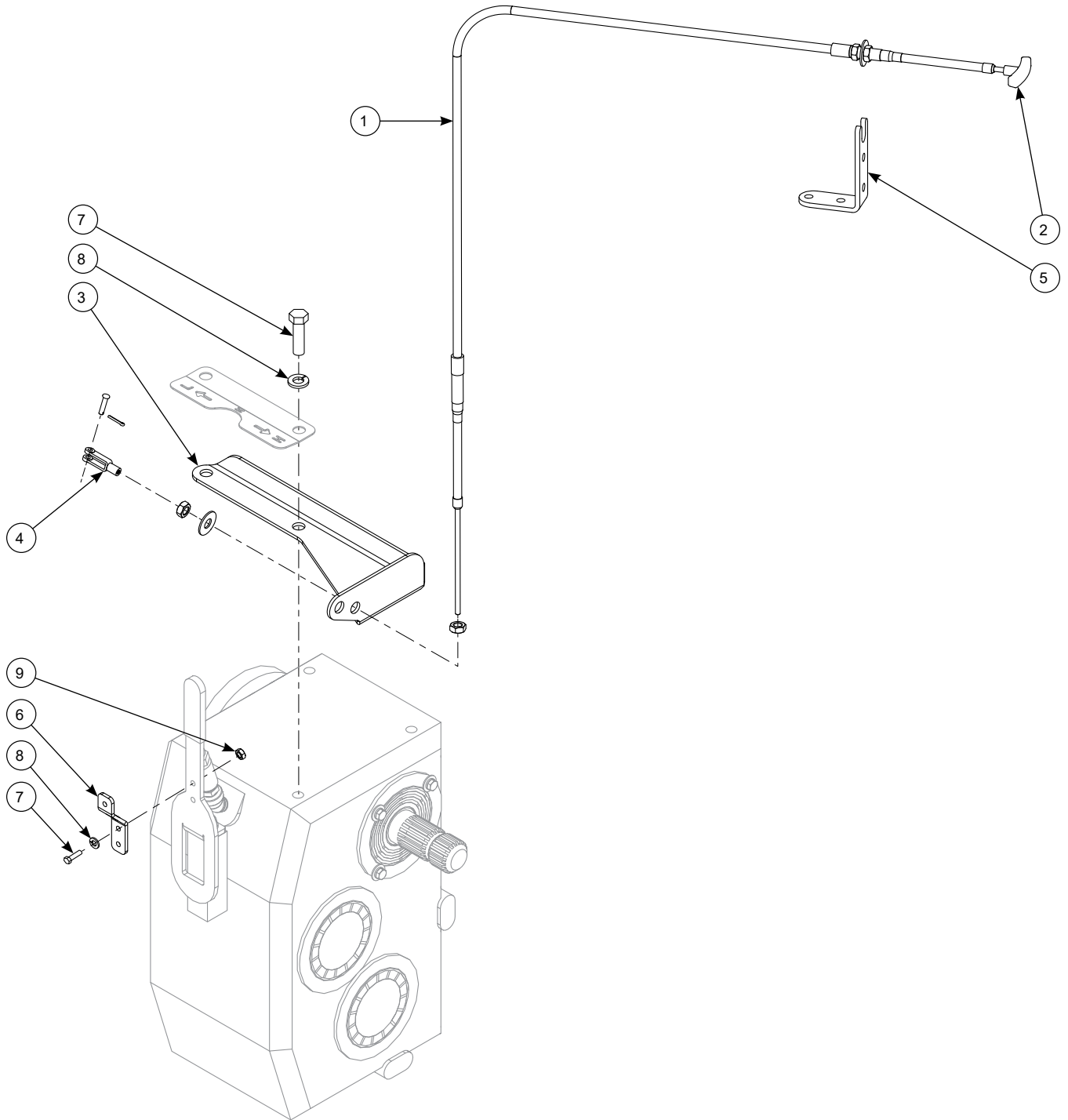
Figure 32
2-Speed Gearbox, Inline AP602 1:1 1:1.8



Parts List for Figure 32

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	Gearbox, Inline 2-Spd AP602.....	PA-28092	1				
1	•Gearbox 1:1.8 20SPL (Raw)	PC-2939NP	1				
2	•Info Sign Do Not Dismantle.....	PA-28447	1				
3	•PFTG Plug, 12MP Hollow Hex.....	PA-25657	2				
4	•Seal, Metric 50 x 100 x 10 Lip.....	PA-25910	1				
5	•Seal, Cover Metric 110D x 10W.....	PA-25909	3				
6	•Seal, Metric 50 x 110 x 10 Lip.....	PA-25911	2				
7	•Shifting Fork.....	PA-25912	1				
8	•AP602 Shifting Shaft.....	PA-24363	1				
9	•Seal, O-Ring .062D x .688ID	PA-22670	1				
10	•Seal, Metric 20IDx30ODx5T Buna-N	PA-24123	1				
11	•GB, Lever Block	PA-25722	1				
12	•Pin, Spring 8 x 35 mm.....	PA-24365	1				
13	•PFTG Plug, 3/8 NPT Hollow Hex.....	PA-25658	1				
14	•PFTG Sight Glass 06MBSPP	PA-25580	1				
15	•PFTG Vent 08MP 0-PSI.....	PA-27389	1				

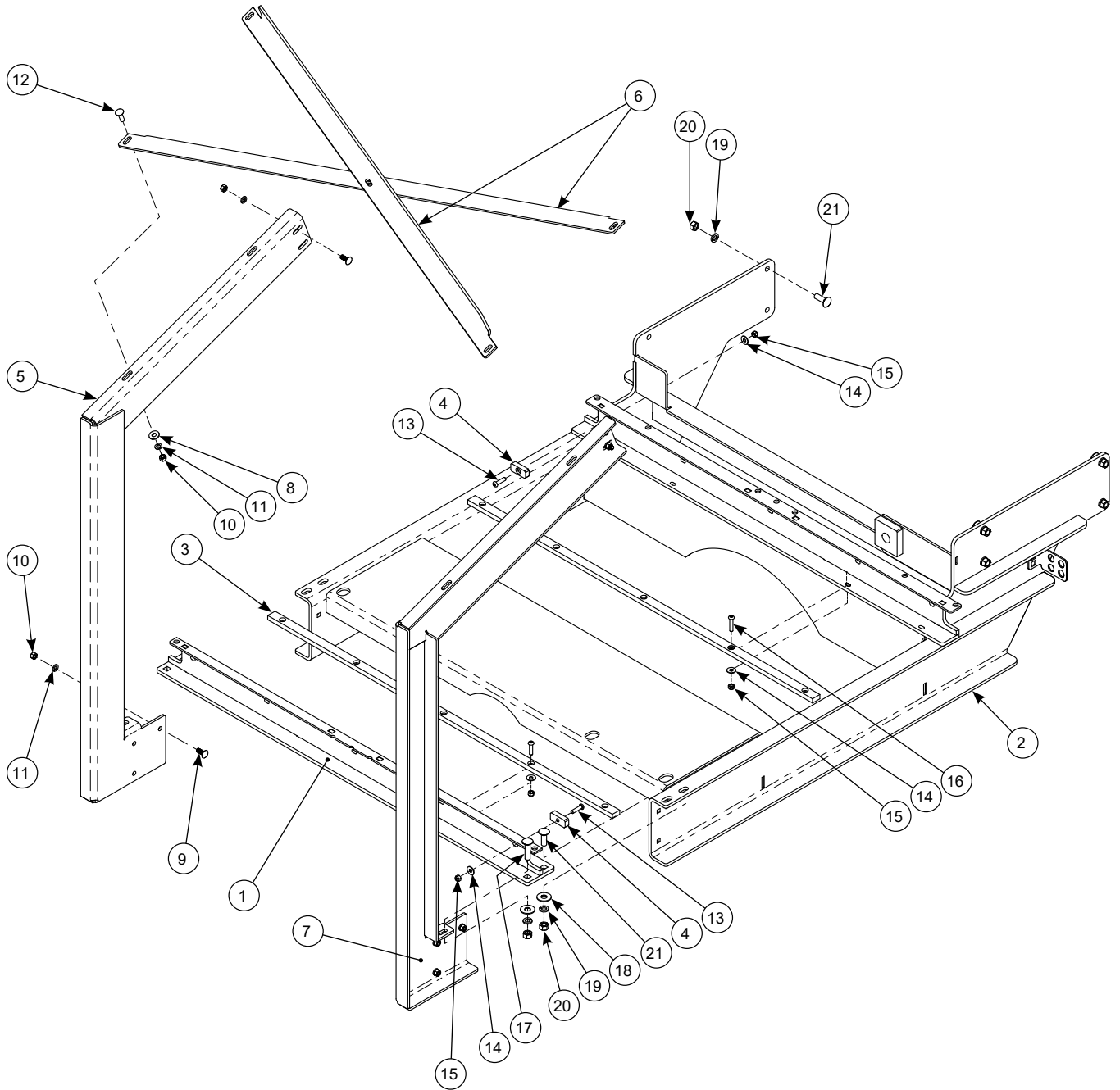
Figure 33
Shift Control



Parts List for Figure 33

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
Shift Control.....PA-22190							
1	•Control Hd Cable 5" Str. 144" Lg	PB-5256	1				
2	••Knob Handle	PA-26119	1				
3	•Cable Mount Arm	PB-5677	1				
4	•Yoke End 1/4-28NF	PA-21411	1				
5	•Control Mount	PA-21464	1				
6	•Yoke Control	PA-22600	1				
7	•Bolt, Hex Hd 1/4-20NC x 1" Lg.	A-523	2				
8	•Washer, Lock 1/4	A-853	2				
9	•Nut, Hex 1/4-20NC2.....	A-859	2				

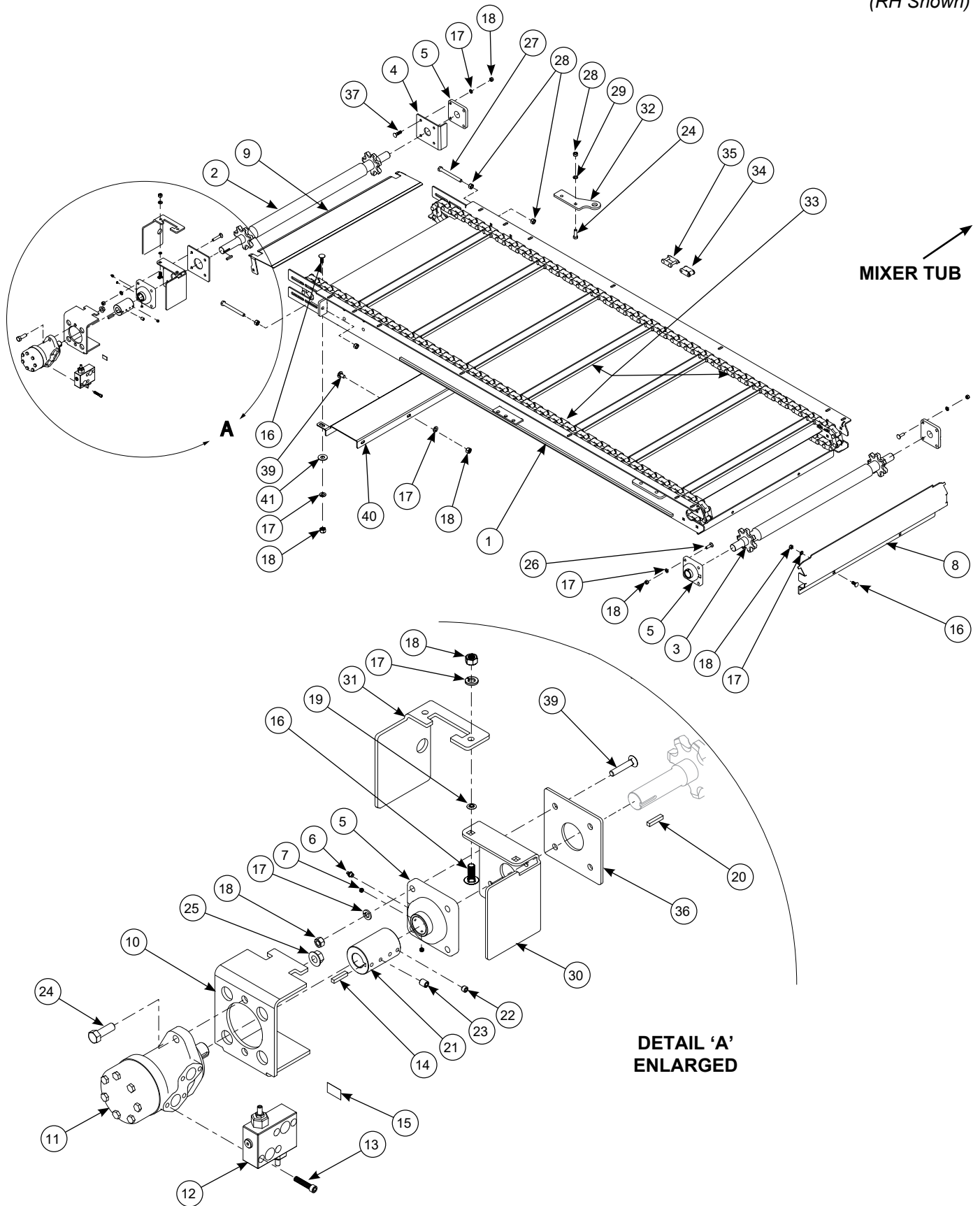
Figure 34
Discharge Supports



Parts List for Figure 34

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Base Slide Mount	PB-6147	1				
2	Discharge Support	PC-2327	1				
3	Base Plastic 46-5/8 Lg	PB-6146	2				
4	Base Plastic 2" Lg	PA-23433	4				
5	Brace RH.....	PB-6135	1				
6	Brace 54" Long	PB-6128	2				
7	Brace LH	PB-6136	1				
8	Washer, Plain 3/8.....	A-925	5				
9	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	10				
10	Nut, Hex 3/8-16 NC.....	A-68	15				
11	Washer, Lock 3/8	A-64	15				
12	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	5				
13	Screw Soc. Btn Hd 5/16-18 x 1-1/4.....	PA-23148	8				
14	Washer, Flat 5/16"	A-109	12				
15	Nylon Insert Lock Nut, 5/16-18 UNC.....	A-997	12				
16	Screw, Soc. Btn Hd 5/16-18 x 1-1/2.....	PA-23149	4				
17	Bolt, Carr. 1/2-13NC x 2 Gr. 5.....	PA-4584	2				
18	Washer, Plain 1/2"	A-949	4				
19	Washer Lock 1/2 Std Med. Split.....	A-401	12				
20	Nut, Hex 1/2-13NC.....	A-16	12				
21	Bolt, Carr. 1/2-13NC x 1-1/2 Gr. 5.....	PA-14398	10				

Figure 35
Flat Discharge—Sliding, RH & LH
(Conveyor)
(RH Shown)

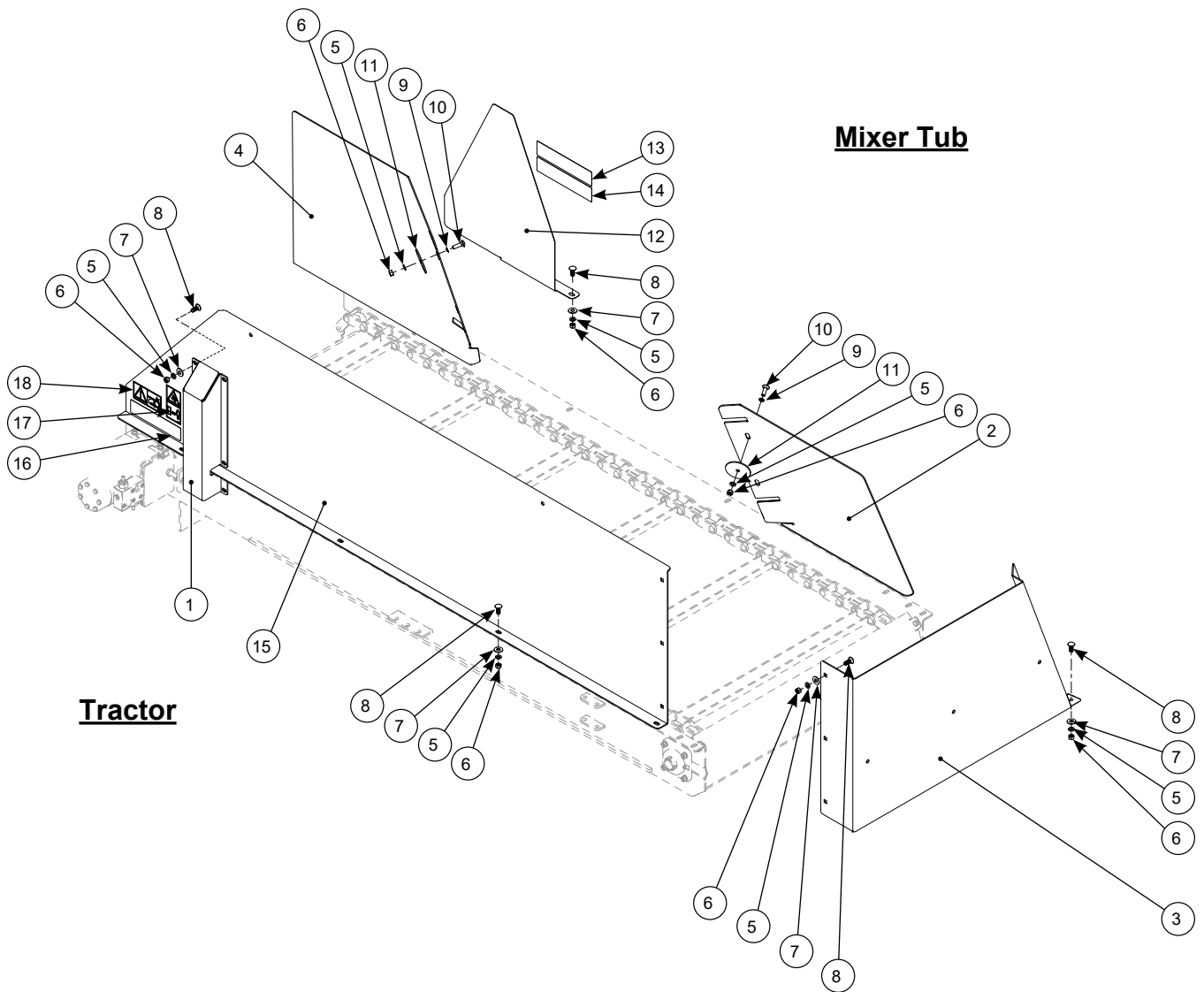


Parts List for Figure 35

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	STRAIGHT DISCHARGE RH ASSY	PC-2320	1				
	STRAIGHT DISCHARGE LH ASSY	PC-2305	1				
1	Discharge Frame Weld.....	PC-2306	1				
2	Drive Pulley, 41"	PB-6062	1				
3	Pulley, Tail.....	PB-6063	1				
4	Drive Mount.....	PA-22983	1				
5	Brg. Flange 4 Hole 1-1/4 B.....	PA-22953	4				
6	•Grease Fitting 1/4-28NF Straight	A-48	1				
7	•Set Screw,Hex Skt,1/4-28NFx3/16 Lg ...	PA-17647	2				
8	Rear Cover.....	PB-6089	1				
9	Take Up Slider.....	PB-6075	1				
10	Hyd. Drive Motor Mount	PA-22985	1				
11	Hyd. Motor 9.7 Cid X-Pt Relief	PB-6449	1				
12	•Hyd. Valve Dual Cross Port Relief	PA-24313	1				
13	•Screw, Soc. 5/16-18NC x 1-1/2 Hex	PA-24314	4				
14	•Key, 1/4 Sq x 1-1/4" Lg	A-128	1				
15	•Seal Kit-TCI (MLHR) Hyd. Motor	PA-20961	1				
16	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	7				
17	Washer, Lock 3/8	A-64	19				
18	Nut, Hex 3/8-16 NC	A-68	19				
19	3/8 Push Nut.....	PA-13370	2				
20	Key, 1/4 Sq x 1-1/4" Lg.	A-128	1				
21	Coupling 1 x 1-1/4 x 1/4K.....	PA-22962	1				
22	•Set Screw 5/16-18NC x 1/4 Lg	A-757	2				
23	•Set Screw 5/16-18NC x 3/8 Lg	A-498	2				
24	Bolt, Hex 1/2-13NC x 1-1/2"	A-916	4				
25	Nut, Hex Flng WhizLk 1/2-13UNC.....	PA-6807	2				
26	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	8				
27	Bolt, Hex Hd 1/2-13NC x 5"	PA-5709	2				
28	Nut, Hex 1/2-13NC	A-16	6				
29	Washer Lock 1/2 Std Med. Split.....	A-401	2				
*30	Torque Stop Mount LH (RH App)	PA-23031	1				
	Torque Stop Mount RH (LH App)	PA-22982	1				
*31	Torque Stop LH (RH App)	PA-23032	1				
	Torque Stop RH (LH App)	PA-22984	1				
32	Cylinder Bracket.....	PA-24352	1				
33	Chain Disch C188 72P 13" Sp	PB-6043	1				
34	•Chain Link C188 Block.....	PA-22911	AR				
35	•Chain Link C188 Slip Fit Conn.....	PA-22910	2				
36	Spacer	PA-24975	1				
37	Bolt, Carr. 3/8-16NC x 1-1/2"	A-947	4				
38	Bolt, Carr. 3/8-16NC x 2 Gr. 5.....	A-1468	4				
39	Bolt, Carr. 3/8-16NC x 3/4"	A-1279	4				
40	Bottom Pan Ext.	PB-6771	1				
41	Washer, Plain 3/8.....	A-925	4				

Note:*Order LH stops for RH application.****Order RH stops for LH application.**

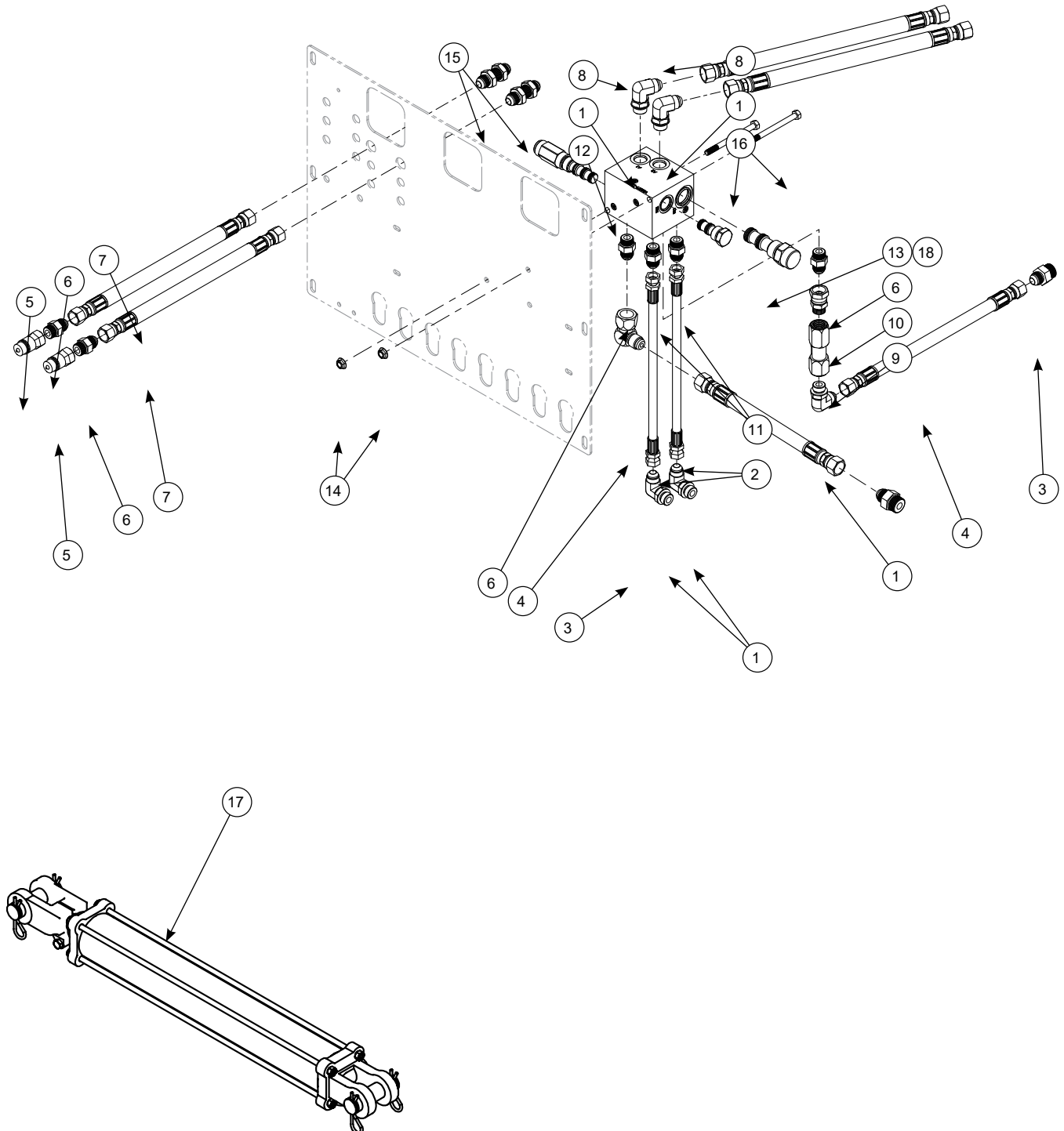
Figure 36
Flat Discharge—Sliding, RH & LH
(Shrouds)
(RH Shown)



Parts List for Figure 36

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Front Brace.....	PB-6093	1				
2	Deflector RH Discharge.....	PB-6094	1				
	Deflector LH Discharge	PB-6095	1				
3	Back RH Discharge	PB-6096	1				
	Back LH Discharge.....	PB-6097	1				
4	Door Sheet RH	PB-6098	1				
	Door Sheet LH.....	PB-6099	1				
5	Washer, Lock 3/8	A-64	22				
6	Nut, Hex 3/8-16 NC	A-68	22				
7	Washer, Plain 3/8.....	A-925	18				
8	Bolt, Carr. 3/8-16NC x 1 Gr. 5	A-1285	18				
9	3/8 Push Nut.....	PA-13370	4				
10	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	4				
11	Washer, 11 Ga. x 13/32 ID x 3 OD.....	PA-915	4				
12	Shroud, Disch End RH w/Decal	PA-25544	1				
	Shroud, Disch End LH w/Decal	PA-25545	1				
13	•Safety Sign, Red Delineator.....	PA-6414	1				
14	•Marker, Orange Fluorescent	PA-20902	1				
15	Shroud, Front RH Disch. w/Decal	PA-25542	1				
	Shroud, Front LH Disch. w/Decal	PA-25854	1				
16	•Safety Sign, Amber Delineator.....	PA-6415	1				
17	•Safety Sign, Crushing Stay Away	PA-28459	1				
18	•Safety Sign Chain Ent.....	PA-28449	1				

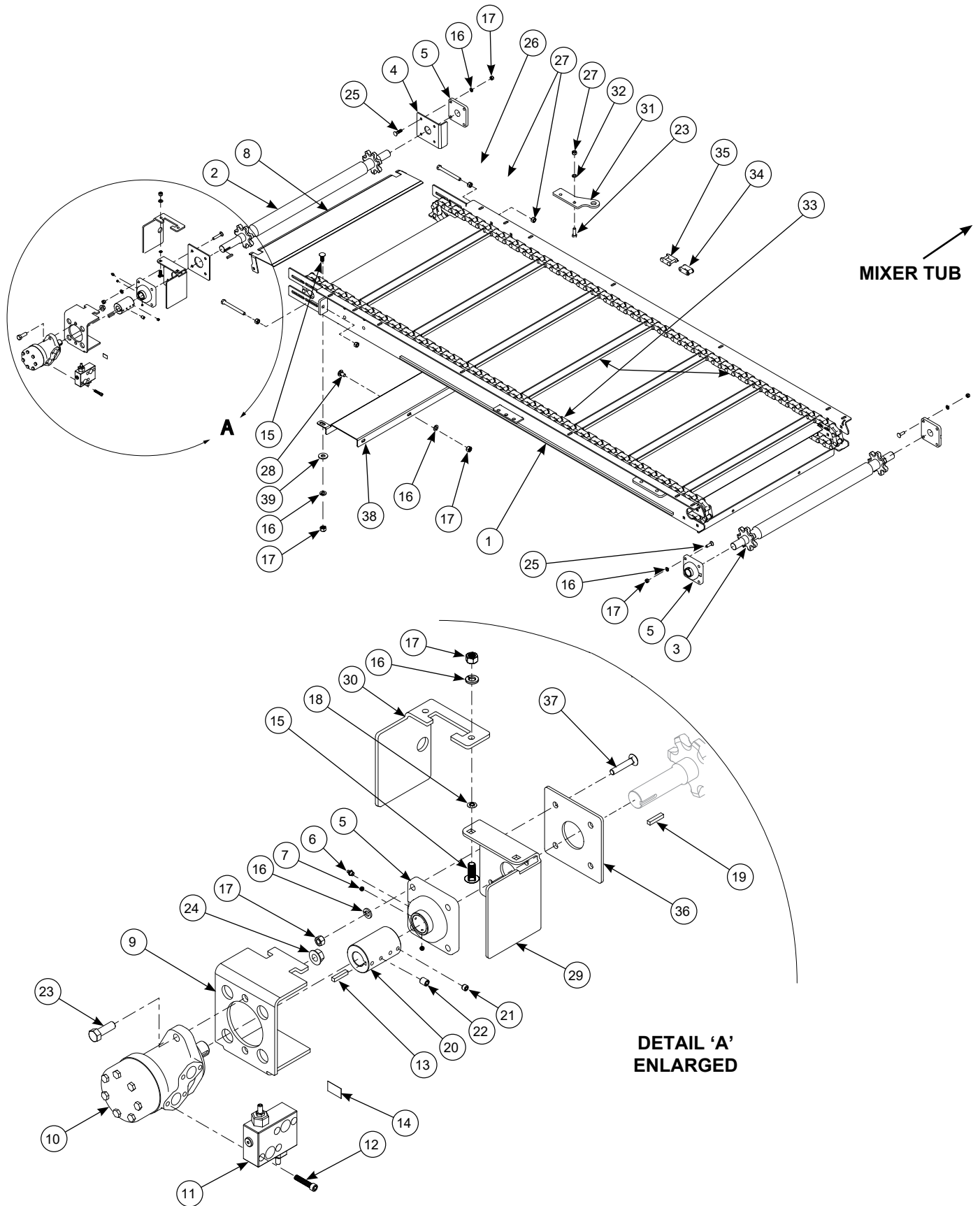
Figure 37
Flat Discharge—Sliding, RH & LH
(Hydraulics)



Parts List for Figure 37

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	HFTG EI 90° 08MORB x 08MJ	PA-15292	5				
2	HHose 1/4 x 126 06FSJ x 06FSJ	PA-15493	2				
3	HFTG Adpt 10MORB x 08MJ	PA-12559	2				
4	HHose 3/8 x 86L 08FSJ x 08FSJ	PA-24694	2				
5	HFTG Male Tip 08FORB	PA-10720	2				
6	HFTG Adpt 08 MJ x 08MORB	PA-20345	4				
7	HHose 1/2 x 84L 08FSJ x 08FSJ	PA-15289	2				
8	HHose 1/2 x 36L 08FSJ x 08FSJ	PA-15286	2				
9	HFTG Check Valve 08FORB	PA-11600	1				
10	HFTG Adpt 08MORB x 08FSJ	PA-11601	1				
11	HFTG Adpt 06MORB x 06MJ	PA-22243	2				
12	Valve, Sequence Incl/Slider	PA-26496	1				
13	•Cartridge, Flow Reg. 10GPM	PA-25883	1				
14	Nut, Hex Flng WhizLk 5/16-18UNC	PA-6818	2				
15	HFTG Bulkhead 08MJ x 08MJ	PA-23419	2				
16	Bolt, Hex 5/16-18NC x 4 Lg	PA-25867	2				
17	Hyd. Cyl. 2.5" Bore - 18" Stroke	PB-6268	1				
18	Cartridge, Flow Reg. 14 GPM	PA-26028	1				

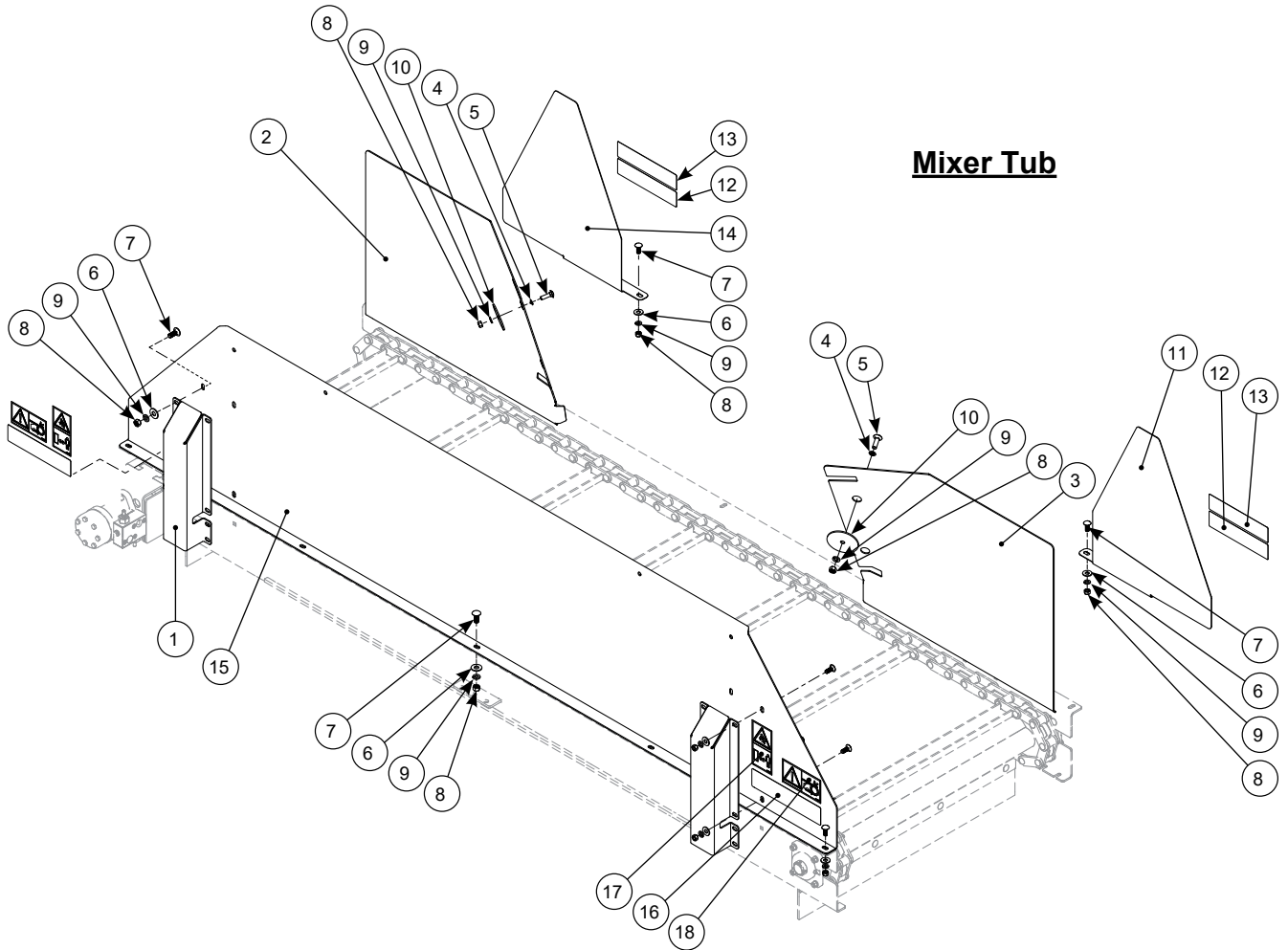
Figure 38
Flat Discharge—Sliding, Reversible
(Conveyor)



Parts List for Figure 38

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Reversible Conveyor Weld.....	PC-2311	1				
2	Drive Pulley, 41".....	PB-6062	1				
3	Pulley, Tail.....	PB-6756	1				
4	Drive Mount.....	PA-22983	1				
5	Brg. Flange 4 Hole 1-1/4 B.....	PA-22953	4				
6	•Grease Fitting 1/4-28NF Straight.....	A-48	1				
7	•Set Screw,Hex Skt,1/4-28NFx3/16 Lg ...	PA-17647	2				
8	Take Up Slider.....	PB-6081	1				
9	Hyd. Drive Motor Mount.....	PA-22985	1				
10	Hyd. Motor 9.7 Cid X-Pt Relief.....	PB-6449	1				
11	•Hyd. Valve Dual Cross Port Relief.....	PA-24313	1				
12	•Screw, Soc. 5/16-18NC x 1-1/2 Hex.....	PA-24314	4				
13	•Key, 1/4 Sq. x 1-1/4" Lg.....	A-128	1				
14	•Seal Kit-TCI (MLHR) Hyd. Motor.....	PA-20961	1				
15	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	2				
16	Washer, Lock 3/8.....	A-64	24				
17	Nut, Hex 3/8-16 NC.....	A-68	24				
18	3/8 Push Nut.....	PA-13370	2				
19	Key, 1/4 SQ. x 1-1/4" Lg.....	A-128	1				
20	Coupling 1 x 1-1/4 x 1/4K.....	PA-22962	1				
21	•Set Screw 5/16-18NC x 1/4 Lg.....	A-757	2				
22	•Set Screw 5/16-18NC x 3/8 Lg.....	A-498	2				
23	Bolt, Hex 1/2-13NC x 1-1/2".....	A-916	4				
24	Nut, Hex Flng WhizLk 1/2-13UNC.....	PA-6807	2				
25	Bolt, Carr. 3/8-16NC x 1-1/2".....	A-947	12				
26	Bolt, Hex Hd 1/2-13NC x 5".....	PA-5709	2				
27	Nut, Hex 1/2-13NC.....	A-16	6				
28	Bolt, Carr. 3/8-16NC x 3/4".....	A-1279	12				
29	Torque Stop Mount LH.....	PA-23031	1				
30	Torque Stop LH.....	PA-23032	1				
31	Cylinder Bracket.....	PA-24352	1				
32	Washer Lock 1/2 Std Med. Split.....	A-401	2				
33	Chain Disch C188 72P 13" Sp.....	PB-6043	1				
34	•Chain Link C188 Block.....	PA-22911	AR				
35	•Chain Link C188 Slip Fit Conn.....	PA-22910	2				
36	Spacer.....	PA-24975	1				
37	Bolt, Carr. 3/8-16NC x 2 Gr. 5.....	A-1468	4				
38	Bottom Pan Ext.....	PB-6771	2				
39	Washer, Plain 3/8.....	A-925	4				

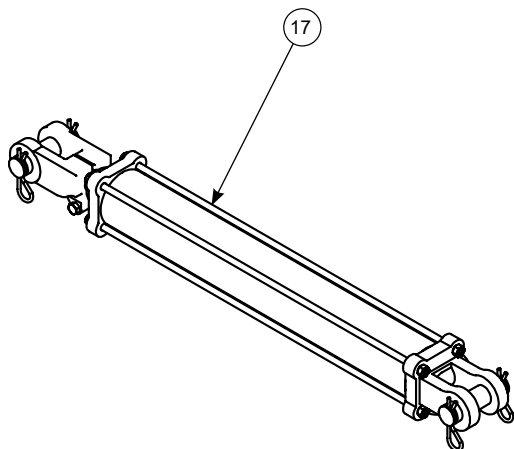
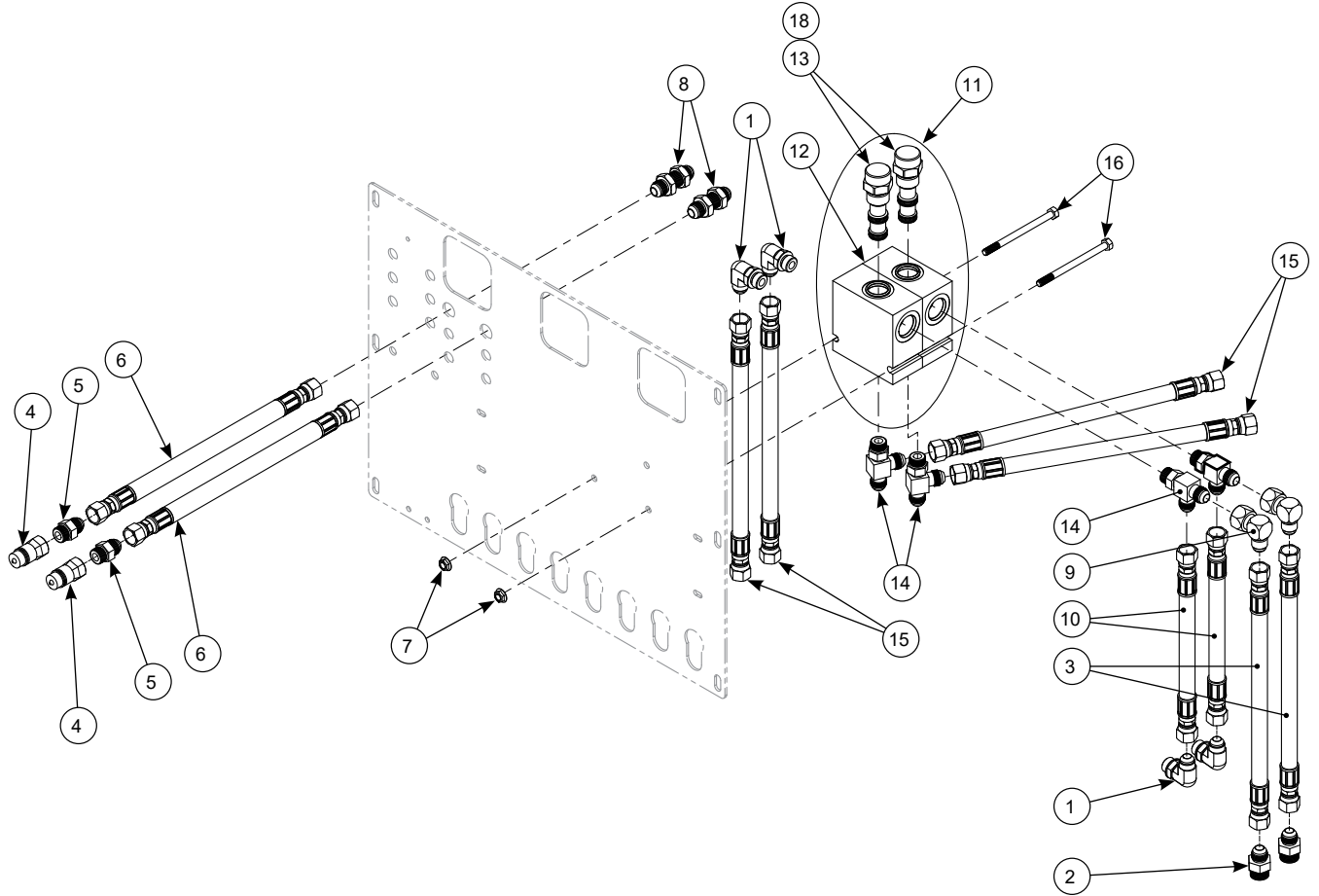
Figure 39
Flat Discharge—Sliding, Reversible
(Shrouds)



Parts List for Figure 39

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Front Brace.....	PB-6093	2				
2	Door Sheet RH.....	PB-6098	1				
3	Door Sheet LH.....	PB-6099	1				
4	3/8 Push Nut.....	PA-13370	4				
5	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5.....	A-1449	4				
6	Washer, Plain 3/8.....	A-925	23				
7	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	28				
8	Nut, Hex 3/8-16 NC.....	A-68	29				
9	Washer, Lock 3/8.....	A-64	29				
10	Washer, 11 Ga. x 13/32 ID x 3 OD.....	PA-915	4				
11	Shroud, Disch End LH w/Decal.....	PA-25545	1				
12	•Marker, Orange Fluorescent.....	PA-20902	1				
13	•Safety Sign, Red Delineator.....	PA-6414	1				
14	Shroud, Disch End RH w/Decal.....	PA-25544	1				
12	•Marker, Orange Fluorescent.....	PA-20902	1				
13	•Safety Sign, Red Delineator.....	PA-6414	1				
15	Shroud, Front Rev. Disch w/Decal.....	PB-7108	1				
16	•Safety Sign, Amber Delineator.....	PA-6415	2				
17	•Safety Sign, Crushing Stay Away.....	PA-28459	2				
18	•Safety Sign Chain Ent.....	PA-28449	2				

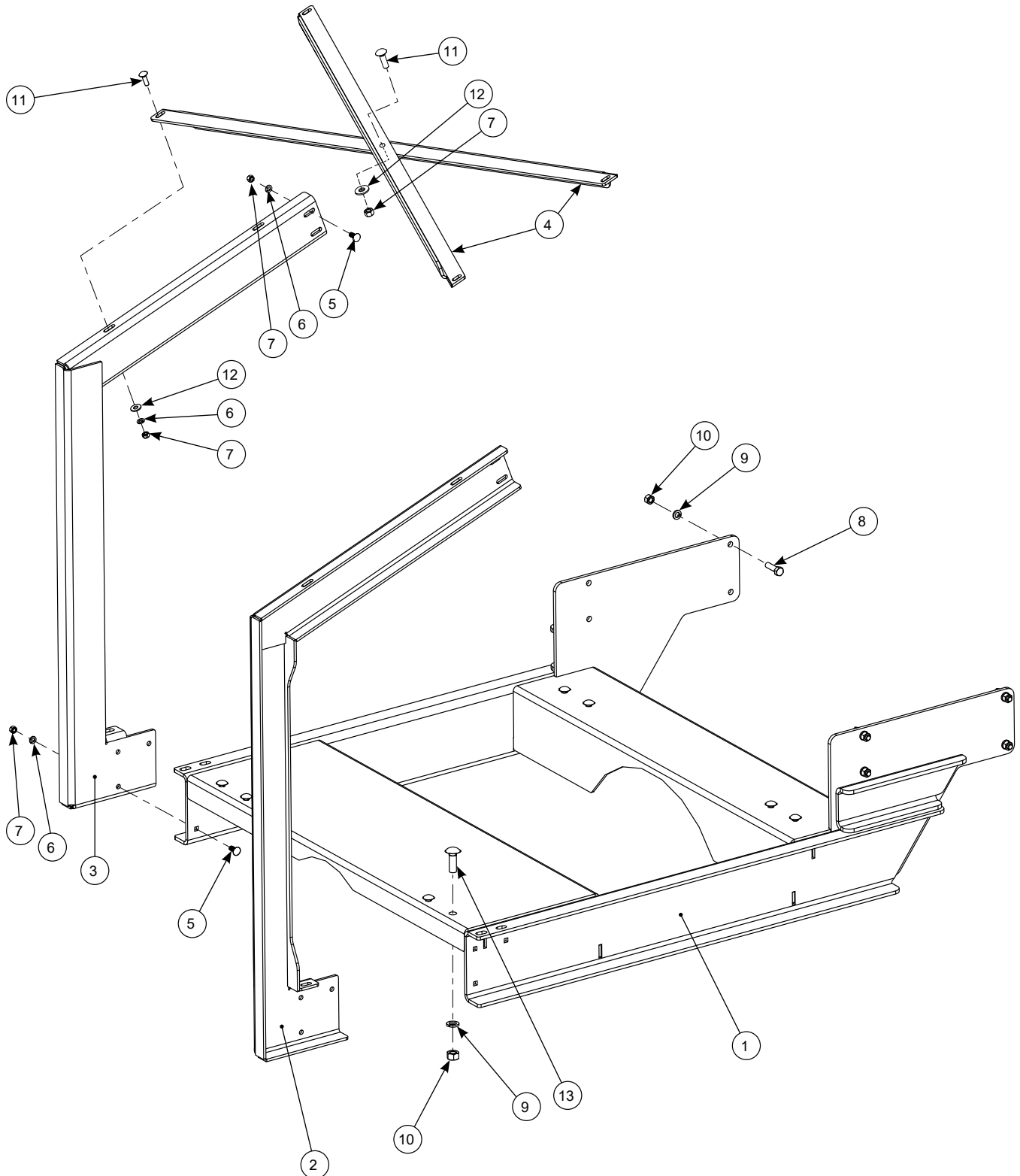
Figure 40
Flat Discharge—Sliding, Reversible
(Hydraulics)



Parts List for Figure 40

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	HFTG EI 90° 08MORB x 08MJ	PA-15292	4				
2	HFTG Adpt 10MORB x 08MJ.....	PA-12559	2				
3	HHose 3/8 x 86L 08FSJ x 08FSJ.....	PA-24694	2				
4	HFTG Male TIP 08FORB	PA-10720	2				
5	HFTG Adpt 08 MJ x 08MORB.....	PA-20345	2				
6	HHose 1/2 x 84L 08FSJ x 08FSJ.....	PA-15289	2				
7	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	2				
8	HFTG Bulkhead 08MJ x 08MJ	PA-23419	2				
9	HFTG EI 90° 08MJ x 08FSJ.....	PA-21881	2				
10	HHose 3/8 x 148L 08FSJ x 08FSJ.....	PA-23389	2				
11	Valve, Flow Reg. 10 GPM.....	PA-25869	2				
12	•Valve, Ported Body	PA-25884	1				
13	•Cartridge, Flow Reg. 10GPM.....	PA-25883	1				
14	HFTG Tee 08MJx08MJx08MORB Run...	PA-11599	4				
15	HHose 3/8 x 30L 08FSJ x 08FSJ.....	PA-25958	4				
16	Bolt, Hex 5/16-18NC x 4-1/2 Lg.	PA-26027	2				
17	Hyd. Cyl. 2.5" Bore - 18" Stroke.....	PB-6268	1				
18	Cartridge, Flow Reg. 14 GPM.....	PA-26028	1				

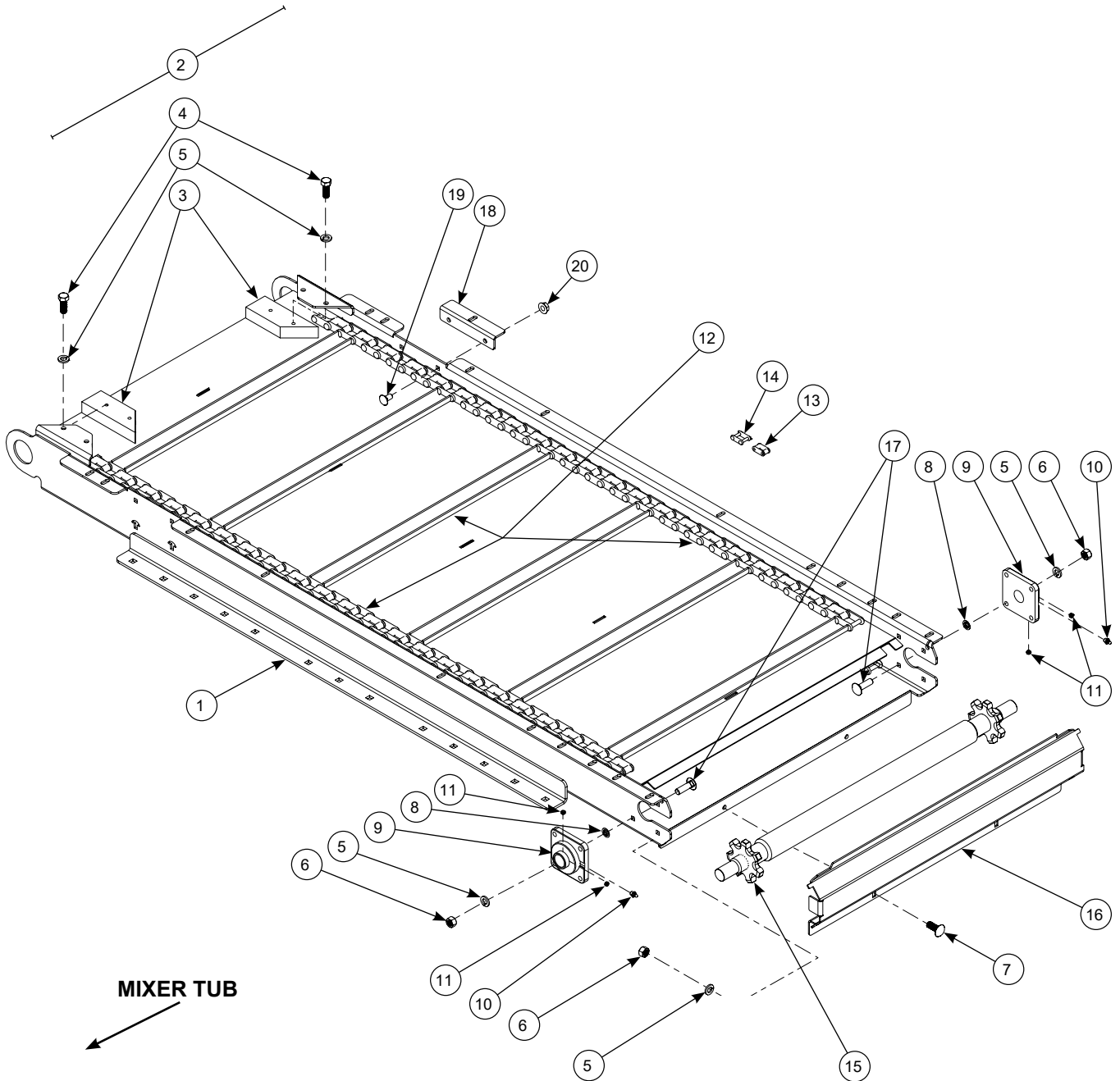
Figure 41
Discharge Support—41" Discharge



Parts List for Figure 41

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Discharge Support 41" Discharge	PC-3262	1				
2	Brace LH	PB-6136	1				
3	Brace RH.....	PB-6135	1				
4	Brace 54" Long.....	PB-6128	2				
5	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	10				
6	Washer, Lock 3/8	A-64	14				
7	Nut, Hex 3/8-16 NC.....	A-68	15				
8	Bolt, Hex 1/2-13NCx1-3/4L Gr. 8	PA-23926	8				
9	Washer, Lock 1/2 Am. Std.....	A-401	16				
10	Nut, Hex 1/2-13NC2 Am. Std	A-16	16				
11	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	5				
12	Washer, Pln 3/8 x 1 x 1/16T Std.....	A-925	5				
13	Bolt, Carr. 1/2-13NC x 1-1/2L Gr. 5.....	A-14398	4				

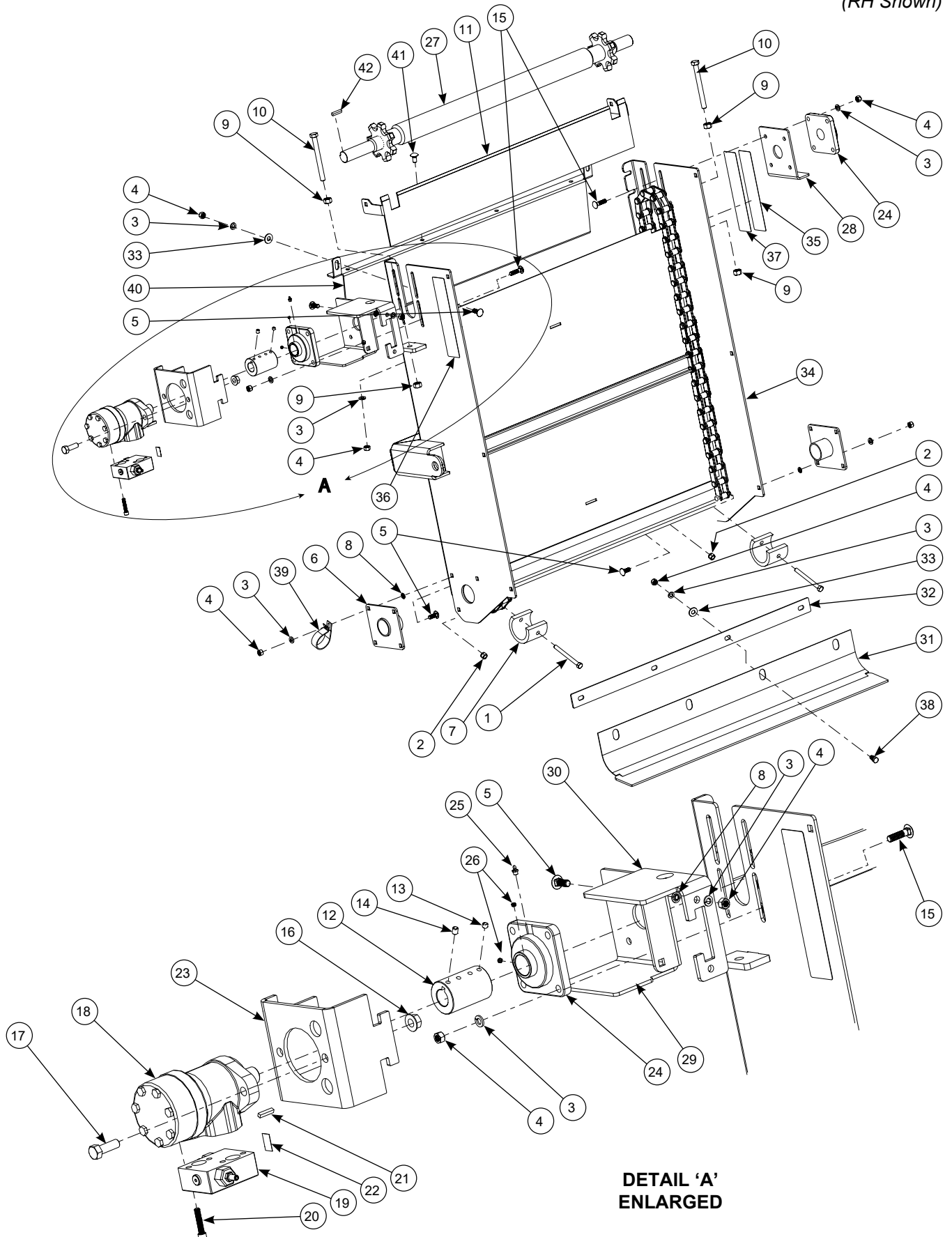
Figure 42
Incline Discharge-Adjustable, RH & LH
41"
(Flat Conveyor)
(RH Shown)



Parts List for Figure 42

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Discharge Weld.....	PC-3264	1				
2	Tensioner Block w/Hdw Pkg of 2.....	PA-21276	1				
3	•Chain Tensioner Block.....	PA-21146	2				
4	•Bolt, Hex 3/8-16NC x 1	A-588	4				
5	•Washer, Lock 3/8	A-64	4				
5	Washer, Lock 3/8	A-64	10				
6	Nut, Hex 3/8-16 NC.....	A-68	10				
7	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	2				
8	3/8 Push Nut.....	PA-13370	2				
9	Brg. Flange 4 Hole 1-1/4 B.....	PA-22953	2				
10	•Grease Fitting 1/4-28NF Straight	A-48	1				
11	•Set Screw,Hex Skt,1/4-28NFx3/16 Lg ...	PA-17647	2				
12	Chain Disch C188 94P13" SP	PB-8431	1				
13	•Chain Link C188 Block.....	PA-22911	AR				
14	•Chain Link C188 Slip Fit Conn.....	PA-22910	2				
15	Pulley, Tail.....	PB-6063	1				
16	Rear Cover	PB-8432	1				
17	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	8				
18	L-Bracket.....	PA-24832	1				
19	Bolt, Carr. 3/8-16NC x 3/4".....	A-1279	2				
20	Nut, Hex Flng WhizLk 3/8-16UNC.....	PA-6823	2				

Figure 43
Incline Discharge-Adjustable 41", RH & LH
(Incline Conveyor)
(RH Shown)



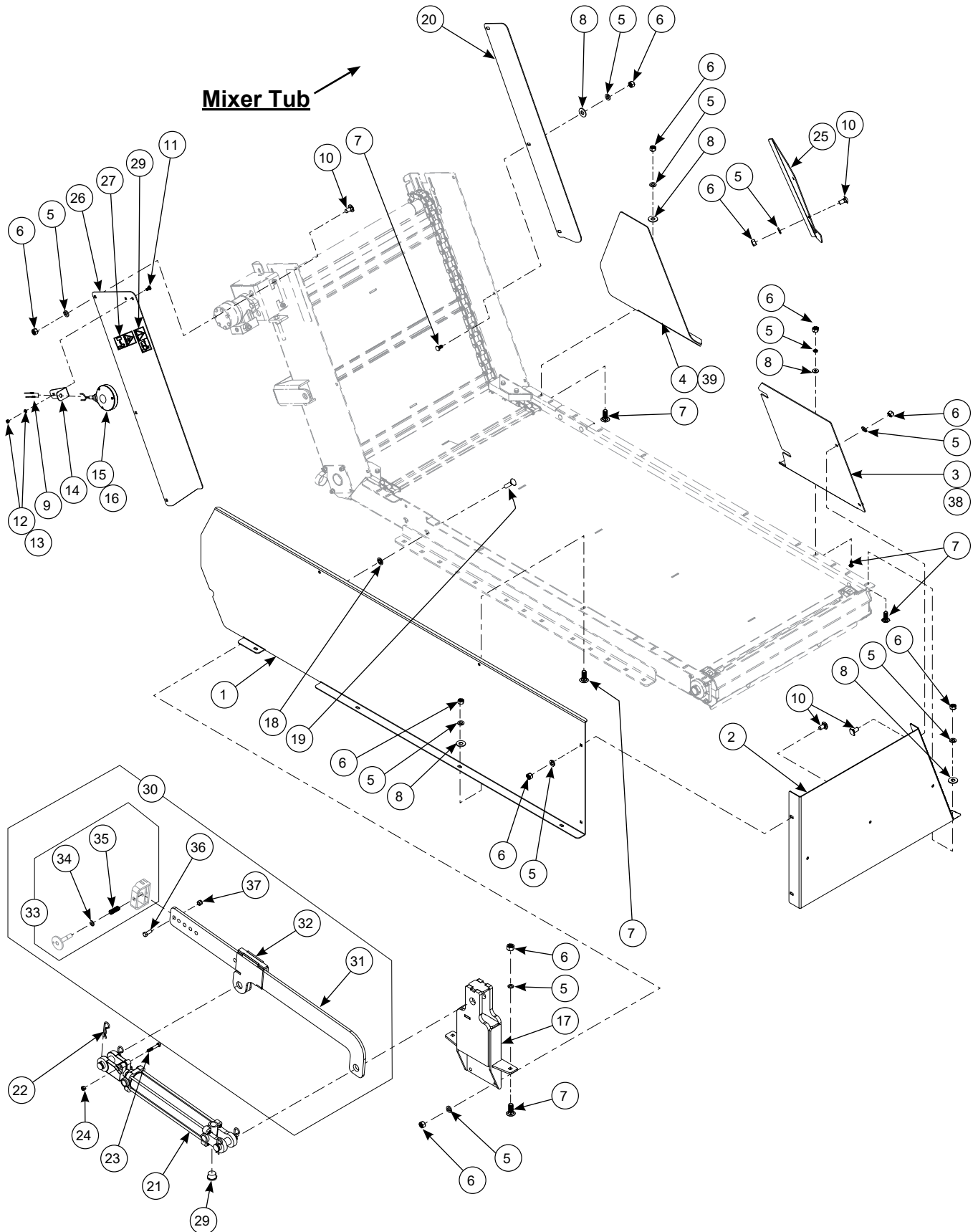
Parts List for Figure 43

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Bolt, Hex Hd 3/8-16NC x 4-1/2	PA-21732	2				
2	Nut, Hex 3/8-16NC NyLk	A-301	2				
3	Washer, Lock 3/8	A-64	20				
4	Nut, Hex 3/8-16 NC	A-68	20				
5	Bolt, Carr. 3/8-16NC x 1 Gr. 5	A-1285	8				
6	Pivot Pin	PA-30233	2				
7	Chain Guide	PA-30230	2				
8	3/8 Push Nut	PA-13370	8				
9	Nut, Hex 1/2-13NC	A-16	4				
10	Bolt, Hex Hd 1/2-13NC x 5"	PA-5709	2				
11	Take Up Slider	PB-8427	1				
12	Coupling 1 x 1-1/4 x 1/4K	PA-22962	1				
13	•Set Screw 5/16-18NC x 1/4 Lg	A-757	2				
14	•Set Screw 5/16-18NC x 3/8 Lg	A-498	2				
15	Bolt, Carr. 3/8-16NC x 1-1/2"	A-947	8				
16	Nut, Hex Flng WhizLk 1/2-13UNC	PA-6807	2				
17	Bolt, Hex 1/2-13NC x 1-1/2"	A-916	2				
18	Hyd. Motor 9.7 CID x-PT Relief	PB-6449	1				
19	•Hyd. Valve Dual Cross Port Relief	PA-24313	1				
20	•Screw, Soc. 5/16-18NC x 1-1/2 Hex	PA-24314	4				
21	•Key, 1/4 Sq x 1-1/4" Lg	A-128	1				
22	•Seal Kit-TCI (MLHR) Hyd. Motor	PA-20961	1				
23	Hyd. Drive Motor Mount	PA-22985	1				
24	Brg. Flange 4 Hole 1-1/4 B	PA-22953	2				
25	•Grease Fitting 1/4-28NF Straight	A-48	1				
26	•Set Screw, Hex Skt, 1/4-28NF x 3/16 Lg	PA-17647	2				
27	Drive Pulley, 41"	PB-8429	1				
28	Drive Mount	PA-22983	1				
*29	Torque Stop Mount LH (RH App)	PA-23031	1				
	Torque Stop Mount RH (LH App)	PA-22982	1				
*30	Torque Stop LH (RH App)	PA-23032	1				
	Torque Stop RH (LH App)	PA-22984	1				
31	Collector	PA-30229	1				
32	Wiper Backing Strip	PB-6423	1				
33	Washer, Plain 3/8	A-925	4				
34	Frame, 41" Incline LH	PA-30239	1				
	Frame, 41" Incline RH	PA-30238	1				
35	•Safety Sign, Red Delineator	PA-6414	1				
36	•Safety Sign, Amber Delineator	PA-6415	1				
37	•Marker, Orange Fluorescent	PA-20902	1				
38	Bolt, Hex 3/8-16NC x 3/4"	A-63	4				
39	2" Dia Cushioned Loop Clamp	PA-11587	1				
40	Bottom Pan Ext	PB-6771	1				
41	Bolt, Carr. 3/8-16NC x 3/4" Gr. 5	A-1279	4				
42	Key, 1/4 Sq x 1-1/4" Lg	A-128	1				

***Note:**

**Order LH stops for RH application.
Order RH stops for LH application.**

Figure 44
Incline Discharge-Adjustable 41", RH & LH
(Shrouds)
(Package 'A', RH Shown)

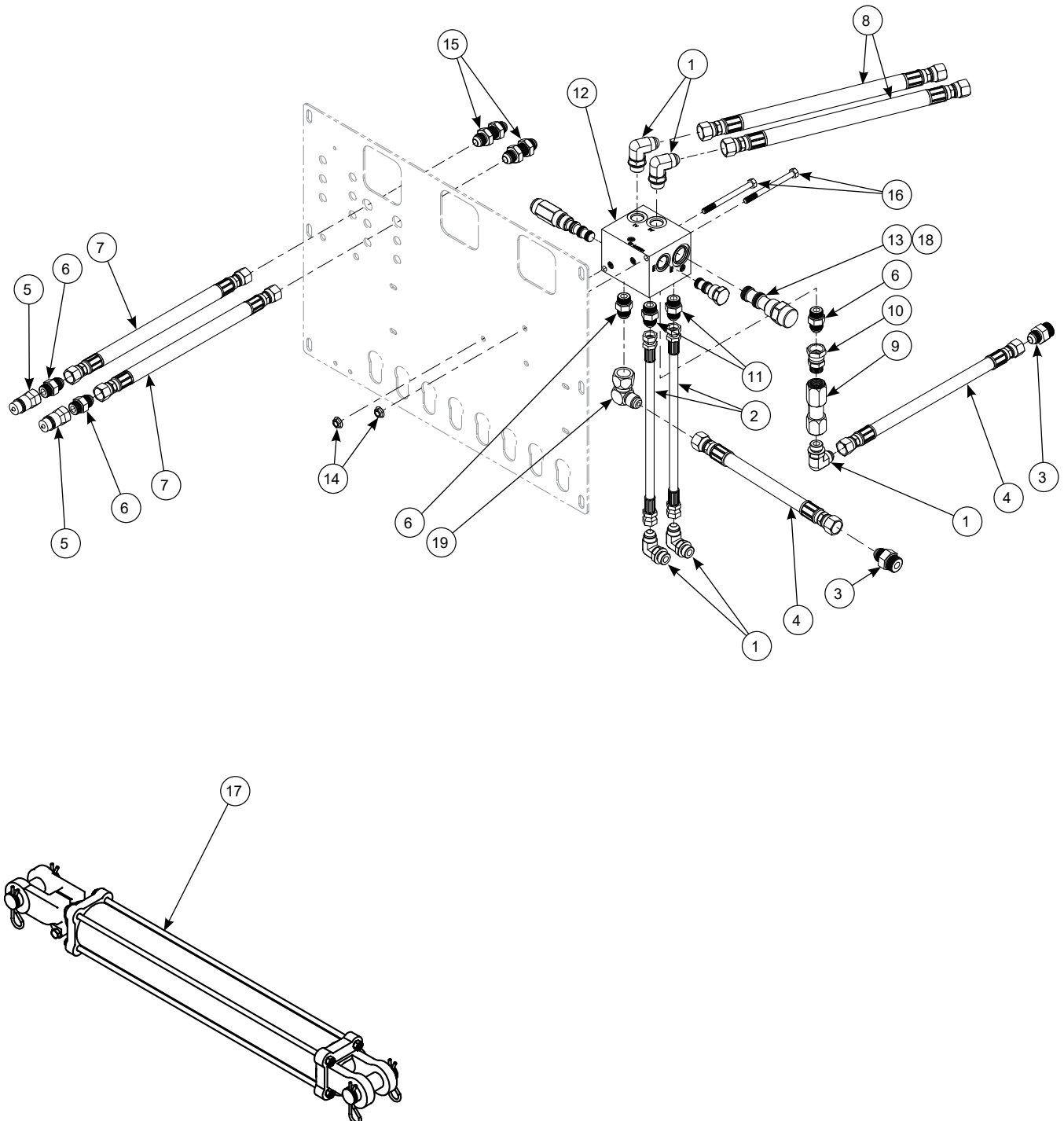


Parts List for Figure 44

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Shroud, Front RH	PB-8441	1		*Repositioning Shroud Packages		
	Shroud, Front LH.....	PB-8442	1		Shroud, Package B RH		
2	Back Shroud RH.....	PB-8445	1	38	•Shroud, Back Inb B RH.....	PB-8443	1
	Back Shroud LH.....	PB-8446	1	39	•Shroud, Back Outb B RH.....	PB-8435	1
3	Shroud, Back Inb A RH.....	PB-8433	1	20	•Shroud, Incl Back A 41"	PB-8439	1
	Shroud, Back Inb A LH.....	PB-8434	1		Shroud, Package B LH		
4	Shroud, Back Outb A RH.....	PB-8437	1	38	•Shroud, Back Inb B LH.....	PB-8444	1
	Shroud, Back Outb A LH.....	PB-8438	1	39	•Shroud, Back Outb B LH.....	PB-8436	1
5	Washer, Lock 3/8	A-64	35	20	•Shroud, Incl Back A 41"	PB-8439	1
6	Nut, Hex 3/8-16 NC.....	A-68	35				
7	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	16				
8	Washer, Plain 3/8.....	A-925	14				
9	Butt Splice, 16-14 Ga. Wire (Blue)	PA-20459	2				
10	Bolt, Carr. 3/8-16NC x 3/4".....	A-1279	15				
11	Bolt, Carr. 5/16-18NC x 3/4" Gr. 5.....	A-119	2				
12	Washer, Lock 5/16"	A-120	2				
13	Nut, Hex 5/16-18NC.....	A-15	2				
14	Warning Lamp Mount.....	PA-20893	1				
15	Warning Lamp, Amber	PA-20894	1				
16	Splice Tap. 18-14 Ga. Wire.....	PA-17453	2				
17	Cyl. Mount	PB-6673	1				
18	3/8 Push Nut	PA-13370	4				
19	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	4				
20	Shroud, Incl Back 41"	PB-8439	1				
21	Hyd. Cyl. 2" Bore-12" Stroke.....	PB-4945	1				
22	•Hair Pin Cotter	A-270	4				
23	•Bolt, Hex 5/16-18NC x 2 Lg Gr. 8	PA-23091	1				
24	•Nut, Hex 5/16-18NC.....	A-15	9				
25	Shroud, Door Plate Outb RH.....	PB-6890	1				
	Shroud, Door Plate Outb LH	PB-6889	1				
26	Shroud Incl Frt 41" w/Decals.....	PA-30237	1				
27	•Safety Sign Crushing Stay Away	PA-28459	1				
28	•Safety Sign Chain Ent.....	PA-28449	1				
29	HFTG Plug 08MORB Hollow Hex	PA-24689	1				
30	Slide Assembly.....	PA-25838	1				
31	•Pivot Slide	PB-6910	1				
32	•Cylinder Stop	PB-6911	1				
33	•Stop Assembly	PA-25839	1				
34	••Retaining Ring, E-Style 1/2"	PA-24920	1				
35	••Spring, Compr. .055x.66 ODx1.5 Lg.....	PA-24918	1				
36	•Bolt, Hex Hd 3/8-16NC x 1 Gr. 5.....	PA-5260	1				
37	•Nut, Hex 3/8-16NC NyLk	A-301	1				

*Note: Repositioning package 'A' and 'B' are both included when Incline Discharge-Adjustable 41" RH or LH are ordered.

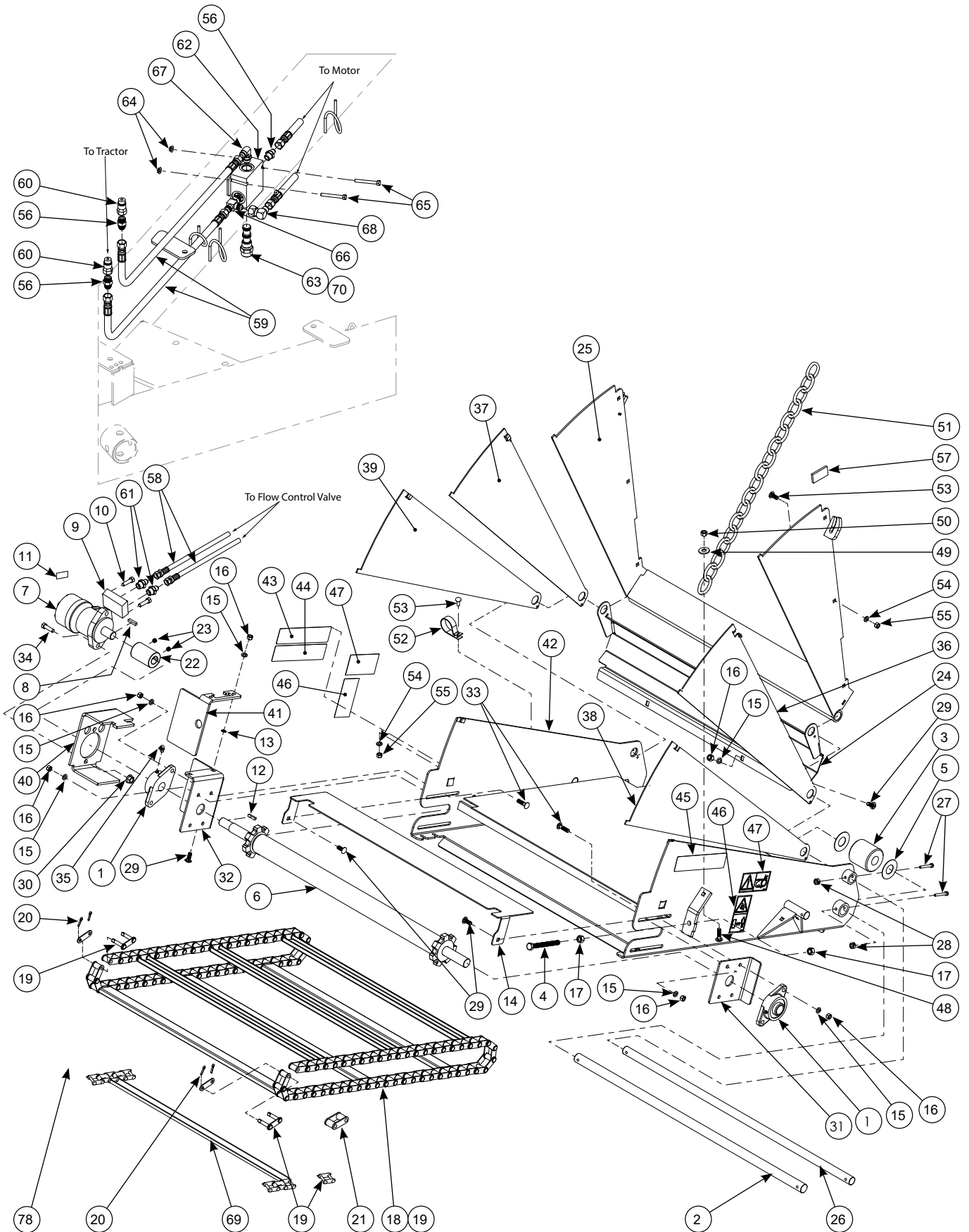
Figure 45
Incline Discharge—Adjustable 41", RH & LH
(Hydraulics)
(RH Shown)



Parts List for Figure 45

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	HFTG EI 90° 08MORB x 08MJ	PA-15292	5				
2	HHose 1/4 x 126 06FSJ x 06FSJ	PA-12310	2				
3	HFTG Adpt 10MORB x 08MJ	PA-12559	2				
4	HHose 3/8 x 86L 08FSJ x 08FSJ	PA-24694	2				
5	HFTG Male Tip 08FORB	PA-10720	2				
6	HFTG Adpt 08 MJ x 08MORB	PA-20345	4				
7	HHose 1/2 x 84L 08FSJ x 08FSJ	PA-15289	2				
8	HHose 1/2 x 36L 08FSJ x 08FSJ	PA-15286	2				
9	HFTG Check Valve 08FORB	PA-11600	1				
10	HFTG Adpt 08MORB x 08FSJ	PA-11601	1				
11	HFTG Adpt 06MORB x 06MJ	PA-22243	2				
12	Valve, Sequence Incl/Slider	PA-26496	1				
13	•Cartridge, Flow Reg. 10GPM	PA-25883	1				
14	Nut, Hex Flng WhizLk 5/16-18UNC	PA-6818	2				
15	HFTG Bulkhead 08MJ x 08MJ	PA-23419	2				
16	Bolt, Hex 5/16-18NC x 4 Lg	PA-25867	2				
17	Hyd. Cyl. 2.5" Bore - 18" Stroke	PB-6268	1				
18	Cartridge, Flow Reg. 14 GPM	PA-26028	1				
19	HFTG EI 90 08MJx08FSJ	PA-21881	1				

Figure 46
Side Discharge Conveyor—Manually Adjustable
(RH Side Mounting Shown)

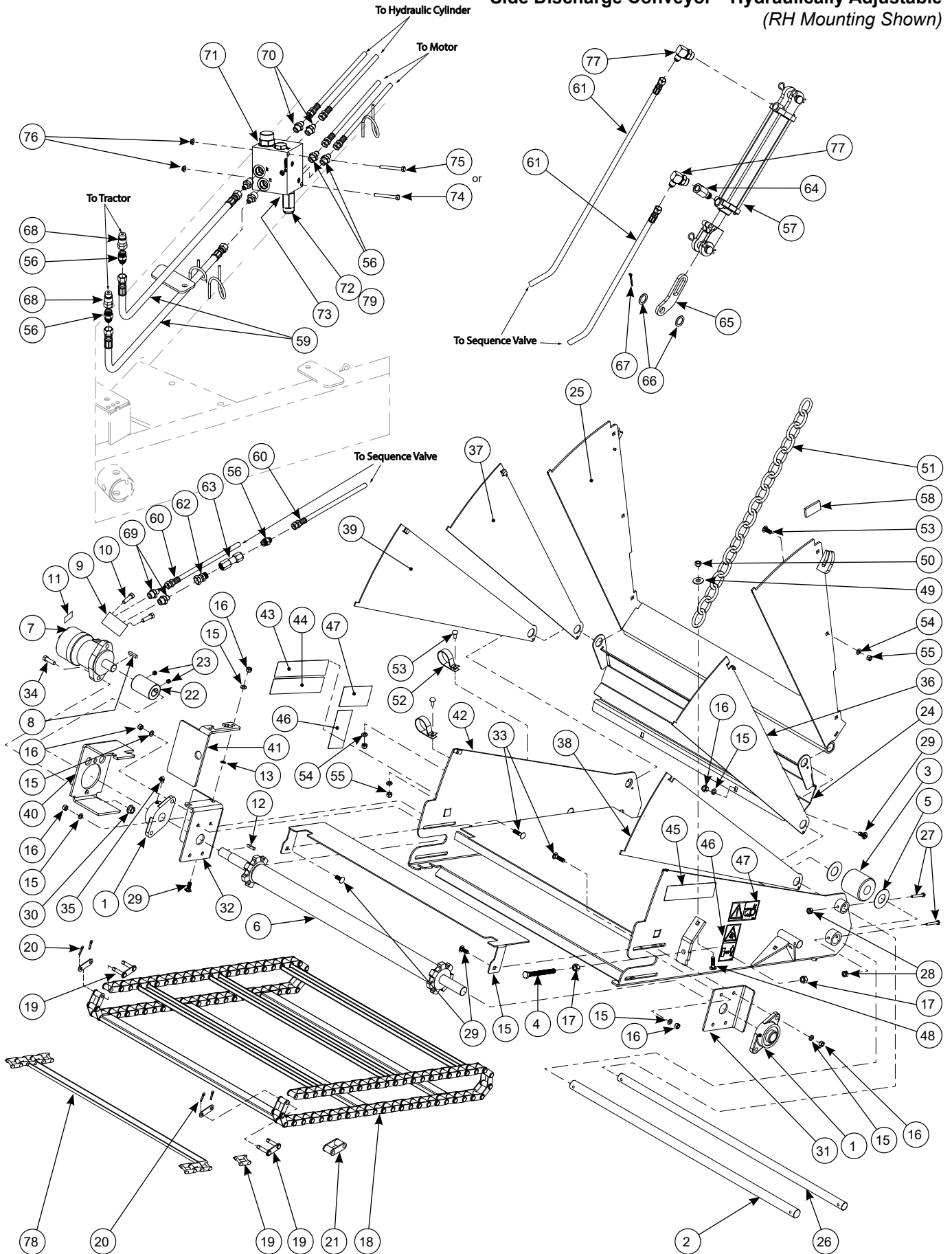


Parts List for Figure 46

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	2 Hole Flange Brg 1-1/8	PA-18298	2	54	Washer, Lk 3/8"	A-64	8
2	Idler Shaft	PA-22255	1	55	Nut, Hex 3/8-16NC	A-68	8
3	Discharge Take Up Roller	PA-21752	2	56	Adaptor 08 MJ x 08 MORB	PA-20345	3
4	Bolt, Hex Hd 1/2-13NC x 5	PA-5709	2	57	Shim	PA-11404	4
5	Bushing, 1-3/16 IDx2-1/2 ODx1/16	PA-21775	4	58	HHose 3/8 x 160L 08FSJ x 08FSJ	PA-26000	2
6	Drive Pulley 41-3/8"	PB-6789	1	59	HHose 3/8-148L-08FSJ x 08FSJ	PA-23389	2
7	Hyd. Motor 9.7 CID X-PT Relief	PB-6449	1	60	HFTG Male Tip 08FORB	PA-10720	2
8	•Key, 1/4 Sq x 1-1/4	A-128	1	61	HFTG Adaptor 10MORB x 08MJ	PA-12559	2
9	•Hyd. Valve Dual Cross Port Relief	PA-24313	1	62	Flow Reg. Valve 10GPM	PA-25869	1
10	•Screw, Soc. 5/16-18NC x 1-1/2 Hex	PA-24314	4	63	•Flow Reg. Cartridge 10GPM	PA-25883	1
11	•Seal Kit w/High Pressure Back Seal	PA-20961	1	64	Nut, Hex Flng WhizLk 5/16-18UNC	PA-6818	2
12	Key, 1/4 Sq x 1-1/8	A-902	1	65	Bolt, Hex 5/16-18NC x 3-1/4"	A-1465	2
13	Push Nut, 3/8	PA-13370	2	66	HFTG Tee 08MJ x 08MJ x 08MORB	PA-11599	1
14	Take Up Slider	PB-5746	1	67	HFTG Elbow 90° 08MORB x 08MJ	PA-15292	1
15	Washer, Lk 3/8"	A-64	12	68	HFTG Elbow 90° 08MJ x 08FSJ	PA-21881	1
16	Nut, Hex 3/8-16NC	A-68	12	69	Discharge Chain-5 Pitches, 1-SLT	PA-24129	AR
17	Nut, Hex 1/2-13NC	A-16	4	19	•Connecting Link C55	PA-21006	4
18	36" Disch. Chain- 48 Pitches, 13"SP	PA-24131	1	20	••Cotter Pin 5/32 x 3/4	PA-21191	2
19	•Connecting Link C55	PA-21006	2	70	Cartridge, Flow Reg. 14GPM	PA-26028	AR
20	••Cotter Pin 5/32 x 3/4	PA-21191	2				
21	Block Chain Link C55	PA-21007	AR				
22	Sleeve Coupling 1"	PA-21821	1				
23	•Set Screw 3/8-16NC x 3/8 Hex Skt	A-1278	2				
24	Discharge Rear Cover	PC-2172	1				
25	Discharge Mount Frame	PB-5910	1				
26	Discharge Pivot Rod	PB-5752	1				
27	Bolt, Hex 1/4-20NC x 2	PA-9780	4				
28	Nut, Hex 1/4-20NC Center Lk	PA-5019	4				
29	Bolt, Carr. 3/8-16NC x 1 Gr. 5	A-1285	8				
30	Nut, Hex Flng WhizLk 1/2-13NC	PA-6807	2				
31	Drive Mount	PA-22317	1				
32	Torque Stop Mount						
	RH	PA-22256	1				
	LH	PA-22299	1				
33	Bolt, Carr. 3/8-16NC x 1-1/2	A-947	4				
34	Bolt, Hex 1/2-13NC x 1	A-916	2				
35	Grease Fitting 1/8-27NPT x 90° (Right Hand Only, Motor Side)	A-480	1				
36	Side Wedge Plate LH 33"	PB-5751	1				
37	Side Wedge Plate RH 33"	PB-5750	1				
38	Side Wedge Plate LH 34"	PB-5749	1				
39	Side Wedge Plate RH 34"	PB-5748	1				
40	Hyd. Drive Motor Mount	PA-22319	1				
41	Torque Stop						
	RH	PA-22318	1				
	LH	PA-22298	1				
42	Disch Frame 36" W/Decals RH	PA-29063	1				
	Disch Frame 36" W/Decals LH	PA-29064	1				
43	•Safety Sign Red Delineator	PA-6414	1				
44	•Safety Sign Amber	PA-6415	1				
45	•Marker, Orange Fluorescent	PA-20902	1				
46	•Safety Sign, Crushing Stay Away	PA-28459	2				
47	•Safety Sign Chain Ent	PA-28449	2				
48	Bolt, Carr. 3/8-16NC x 1-1/4 Gr. 5	A-1449	2				
49	Washer, Plain 3/8"	A-925	2				
50	Nut, Center Lk 3/8-16NC	PA-6145	2				
51	Stop Chain - 36" Manual Disch. 31"	PA-22316	2				
52	Cushioned Loop Clamp	PA-11587	2				
53	Bolt, Carr. 3/8-16NC x 1 Gr. 5	A-1285	8				

Note: Manual Conveyor Discharge takes only the 36" Conveyor Discharge package for LH and RH.

Figure 47
Side Discharge Conveyor—Hydraulically Adjustable
(RH Mounting Shown)

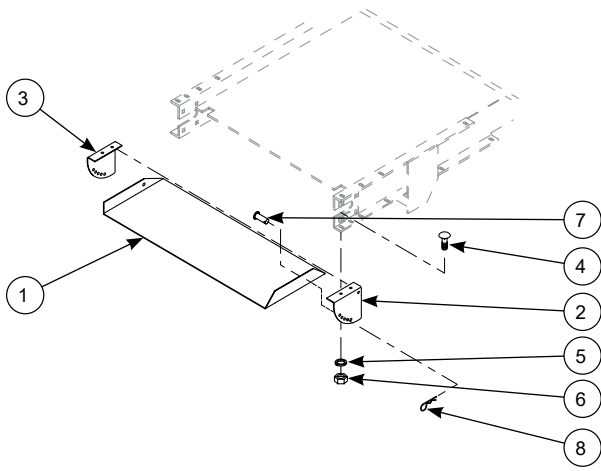


Parts List for Figure 47

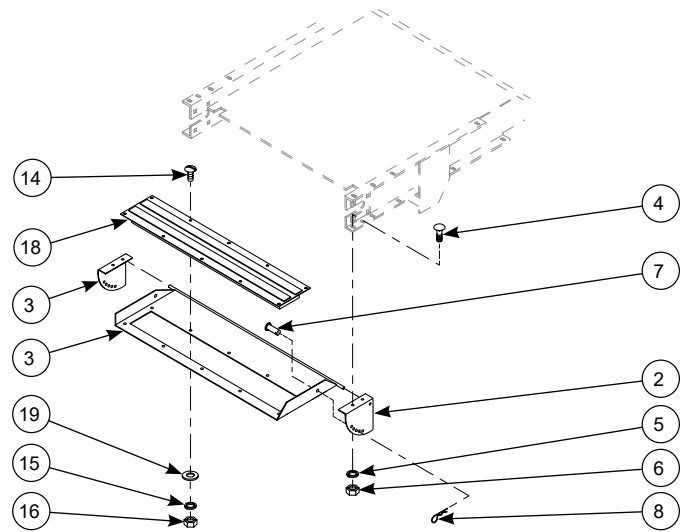
Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	2 Hole Flange Brg 1-1/8	PA-18298	2	48	Bolt, Carr. 3/8-16NC x 1-1/4 Gr. 5	A-1449	1(2)
2	Idler Shaft	PA-22255	1	49	Washer, Plain 3/8"	A-925	1(2)
3	Discharge Take Up Roller	PA-21752	2	50	Nut, Center Lk 3/8-16NC	PA-6145	1(2)
4	Bolt, Hex Hd 1/2-13NC x 5	PA-5709	2	51	Stop Chain		
5	Bushing, 1-3/16 ID x 2-1/2 OD x 1/16	PA-21775	4		36" Hyd Lift Disch 31"	PA-22316	1
6	Drive Pulley 41-3/8"	PB-6789	1		54" Hyd Lift Disch 1-1/4 x 42.7" P30	PA-22430	2
7	Hyd. Motor 9.7 CID X-PT Relief	PB-6449	1	52	Cushioned Loop Clamp	PA-11587	2
8	•Key, 1/4 Sq x 1-1/4	A-128	1	53	Bolt, Carr. 3/8-16NC x 1 Gr. 5	A-1285	8
9	•Hyd. Valve Dual Cross Port Relief	PA-24313	1	54	Washer, Lk 3/8"	A-64	8
10	•Screw, Soc. 5/16-18NC x 1-1/2 Hex	PA-24314	4	55	Nut, Hex 3/8-16NC	A-68	8
11	•Seal Kit w/High Pressure Back Seal	PA-20961	1	56	Adaptor 08 MJ x 08 MORB	PA-20345	7
12	Key, 1/4 Sq x 1-1/8	A-902	1	57	Hyd Cylinder 2" Bore x 8" Stroke	PB-5764	1
13	Push Nut, 3/8	PA-13370	2	58	Shim	PA-11404	4
14	Take Up Slider	PB-5746	1	59	HHose 3/8x148L 08FSJx08FSJ	PA-23389	2
15	Washer, Lk 3/8"	A-64	12		(To Tractor)		
16	Nut, Hex 3/8-16NC	A-68	12	60	HHose 3/8-08FSJ x 08FSJ Fitting		
17	Nut, Hex 1/2-13NC	A-16	4		(To Motor)		
18	Discharge Chain				36" & 54" Hyd Lift Front Dsch 211L	PA-25995	1
	36" Discharge Chain	PA-24131	1		36" & 54" Hyd Lift Rear Disch 255L	PA-26248	2
	(48 Pitches, 13" Sp.)						
	54" Discharge Chain	PA-22591	1	61	HHose 1/4 x w/9/16 FSJ		
	(70 Pitches 3/4" High)				(To Cylinder)		
19	•Connecting Link C55	PA-21006	2		36" & 54" Front Hyd. Hose 162L	PA-15496	2
20	•Cotter Pin 5/32 x 3/4	PA-21191	2		36" & 54" Rear Hyd. Hose 212L	PA-23783	2
21	Block Chain Link C55	PA-21007	AR	62	HFTG. Adapter 3/4FSJ x 3/4 MORB	PA-11601	1
22	Sleeve Coupling 1"	PA-21821	1	63	HFTG. Check Valve 3/4 FORB	PA-11600	1
23	•Set Screw 3/8-16NC x 3/8 Hex Skt	A-1278	2	64	HFTG. Rest .04x3/4MORBx3/4FORB	PA-21148	1
24	Discharge Rear Cover	PC-2172	1	65	Pivot Link	PA-21837	1
25	Discharge Mount Frame	PB-5910	1	66	Mach. Bushing 14 Ga. x 1 x 1-1/2	A-49	2
26	Discharge Pivot Rod	PB-5752	1	67	Pin, Cotter 1/4 x 2 (Hyd Lift Only)	A-463	1
27	Bolt, Hex 1/4-20NC x 2	PA-9780	4	68	HFTG. Male Tip 08FORB	PA-10720	2
28	Nut, Hex 1/4-20NC Center Lk	PA-5019	4	69	HFTG. Adaptor 10MORB x 08MJ	PA-12559	2
29	Bolt, Carr. 3/8-16NC x 1 Gr. 5	A-1285	8	70	HFTG. Adaptor 06MORB x 06MJ	PA-22243	2
30	Nut, Hex Flange WhizLk 1/2-13NC	PA-6807	2	71	Sequencing Valve Incl/Slider	PA-26496	1
31	Drive Mount	PA-22317	1	72	•Flow Reg. Cartridge 10GPM	PA-25883	1
32	Torque Stop Mount			73	•Seal, Kit Complete	PA-28634	1
	RH	PA-22256	1	74	Bolt, Hex 5/16-18NC x 4"	PA-25867	1
	LH	PA-22299	1	75	Bolt, Hex 5/16-18NC x 4-1/2"	PA-26027	1
33	Bolt, Carr. 3/8-16NC x 1-1/2	A-947	4	76	Nut, Hex Flng WhizLk 5/16-18UNC	PA-6818	3
34	Bolt, Hex 1/2-13NC x 1	A-916	2	77	HFTG. Elbow 90° 08MORB x 06MJ	PA-21358	2
35	Grease Fitting 1/8-27NPT x 90°	A-480	1	78	Discharge Chain-5 Pitches, 1-SLT	PA-24129	AR
	(Right Hand Only, Motor Side)			19	•Connecting Link C55	PA-21006	2
36	Side Wedge Plate LH 33"	PB-5751	1	20	•Cotter Pin 5/32 x 3/4	PA-21191	2
37	Side Wedge Plate RH 33"	PB-5750	1	79	Cartridge, Flow Reg. 14GPM	PA-26028	1
38	Side Wedge Plate LH 34"	PB-5749	1				
39	Side Wedge Plate RH 34"	PB-5748	1				
40	Hyd. Drive Motor Mount	PA-22319	1				
41	Torque Stop						
	RH	PA-22318	1				
	LH	PA-22298	1				
42	Conveyor Discharge Frame						
	36" RH	PA-29063	1				
	36" LH	PA-29064	1				
	54" RH	PA-29065	1				
	54" LH	PA-29066	1				
43	•Safety Sign Red Delineator	PA-6414	1				
44	•Safety Sign Amber	PA-6415	1				
45	•Marker, Orange Fluorescent	PA-20902	1				
46	•Safety Sign, Crushing Stay Away	PA-28459	2				
47	•Safety Sign Chain Ent	PA-28449	2				

Figure 48
Discharge Additional Packages

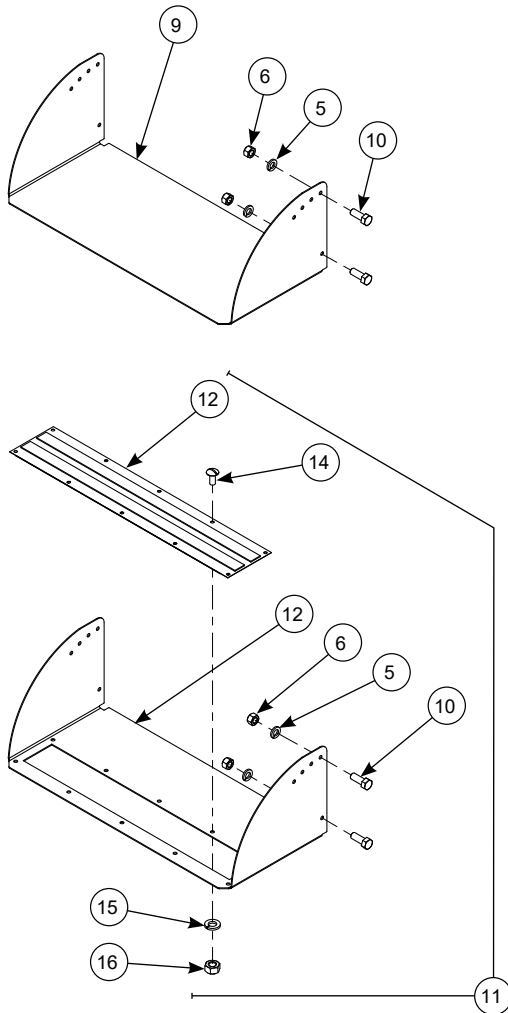
SLIDER PAN ASSEMBLY



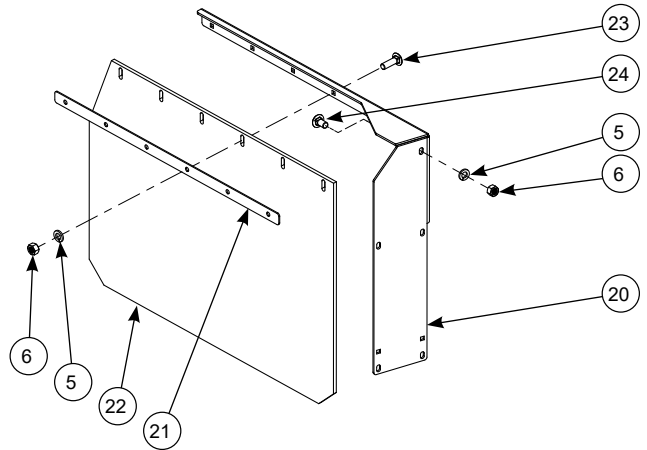
SLIDER PAN MAGNET ASSEMBLY



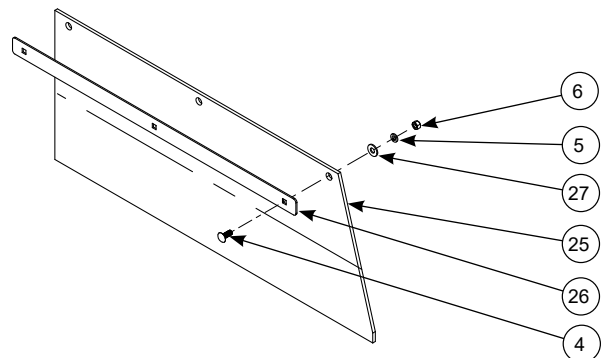
SIDE DISCHARGES ONLY



REVERSIBLE DISCHARGE FLAP PACKAGE



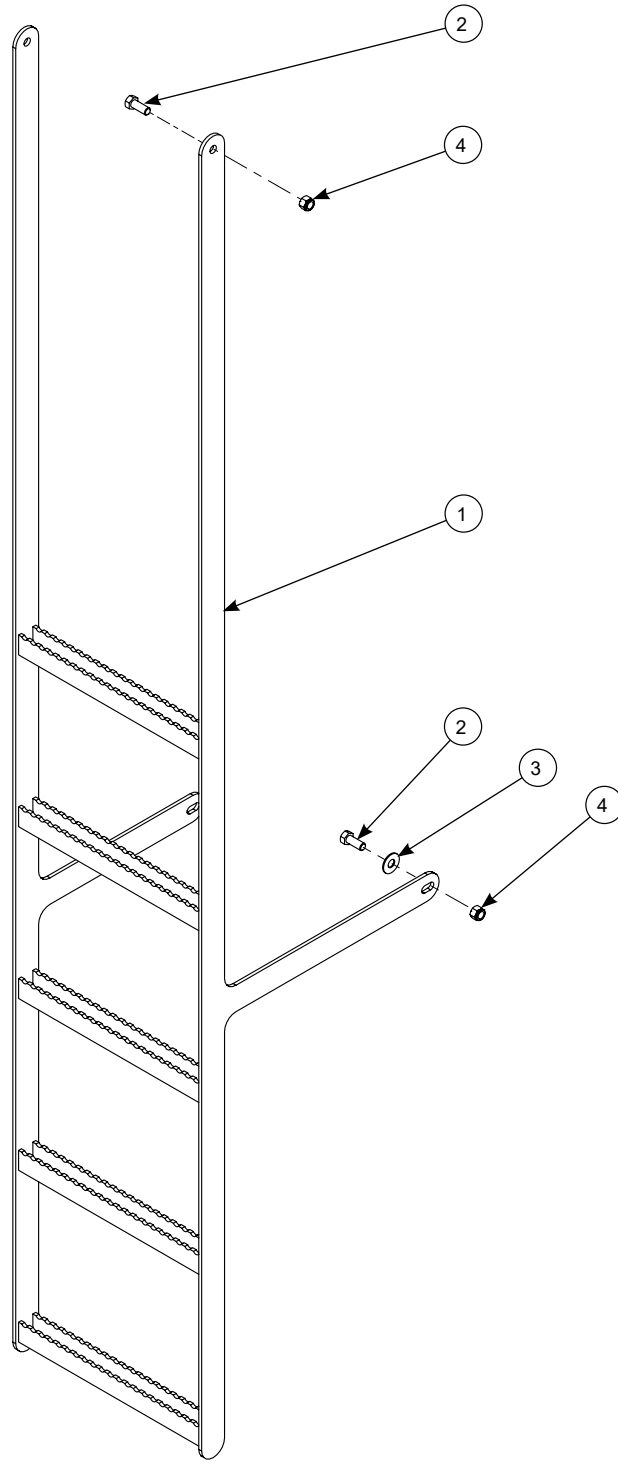
REAR DISCHARGE FLAP PACKAGE



Parts List for Figure 48

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	Slider Pan Assembly	PB-5259	AR				
1	•Slider Pan Weldment	PB-5258	1				
2	•Magnet Pivot RH.....	PB-4911	1				
3	•Magnet Pivot LH	PB-4912	1				
4	•Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	4				
5	•Washer, Lk 3/8".....	A-64	4				
6	•Nut, Hex 3/8-16NC.....	A-68	4				
7	•Pin, 3/8 x 1-1/8 Lg.....	PA-7431	2				
8	•Hairpin Cotter .148 x 2-5/8 Lg.....	A-270	2				
	9 Chute w/o Magnet Assy	PA-24609	AR				
5	•Washer, Lk 3/8".....	A-64	4				
6	•Nut, Hex 3/8-16NC.....	A-68	4				
10	•Bolt, Hex 3/8-16NC x 1	A-588	4				
	11 Chute w/Magnet Assy	PA-24608	AR				
5	•Washer, Lk 3/8".....	A-64	4				
6	•Nut, Hex 3/8-16NC.....	A-68	4				
10	•Bolt, Hex 3/8-16NC x 1	A-588	4				
12	•Chute, w/Magnet Hole	PC-2588	1				
13	•Magnet Assy 34-3/8".....	PB-4565	1				
14	•Screw, Truss Hd 5/16-18NCx3/4" Lg.....	A-995	10				
15	•Washer, Lk 5/16".....	A-120	10				
16	•Nut, Hex 5/16-18NC.....	A-15	10				
	Slider Pan Magnet Assembly	PB-5196	AR				
2	•Magnet Pivot RH.....	PB-4911	1				
3	•Magnet Pivot LH	PB-4912	1				
4	•Bolt, Carr 3/8-16NC x 1 Gr. 5.....	A-1285	4				
5	•Washer, Lk 3/8".....	A-64	4				
6	•Nut, Hex 3/8-16NC.....	A-68	4				
7	•Pin, 3/8 x 1-1/8 Lg.....	PA-7431	2				
8	•Hairpin Cotter .148 x 2-5/8 Lg.....	A-270	2				
14	•Screw, Truss Hd 5/16-18NCx3/4" Lg.....	A-995	10				
15	•Washer, Lk 5/16".....	A-120	10				
16	•Nut, 5/16-18NC	A-15	10				
17	•Magnet Pan Weldment	PB-5195	1				
17	•Magnet Assy. 34-3/8".....	PB-4565	1				
19	•Washer, Plain 5/16"	A-109	10				
	Reversible Discharge Flap Pkg	PA-23536	AR				
5	•Washer, Lock 3/8	A-64	7				
6	•Nut, Hex 3/8-16 NC.....	A-68	7				
20	•Flap Support	PB-6191	1				
21	•Flap Backer, 1-1/4 x 30-3/8.....	PB-6190	1				
22	•Flap, 20-1/2 x 33-3/8.....	PB-6189	1				
23	•Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	6				
24	•Bolt, Carr. 3/8-16NC x 3/4"	A-1279	1				
	Rear Discharge Flap Pkg	PA-21523	AR				
4	•Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	3				
5	•Washer, Lock 3/8	A-64	3				
6	•Nut, Hex 3/8-16 NC.....	A-68	3				
25	•Discharge Flap Rear	PB-5288	1				
26	•Backing Strip, Disch Flap.....	PB-5289	1				
27	•Washer, Plain 3/8.....	A-925	3				

Figure 49
Ladder

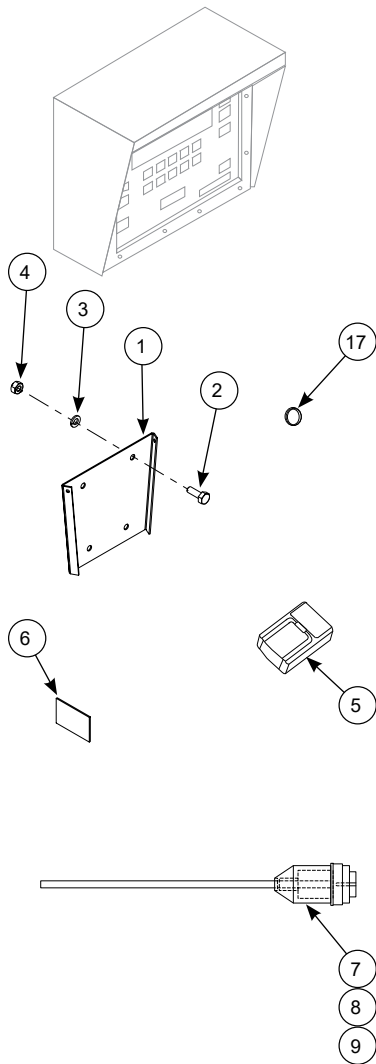


Parts List for Figure 49

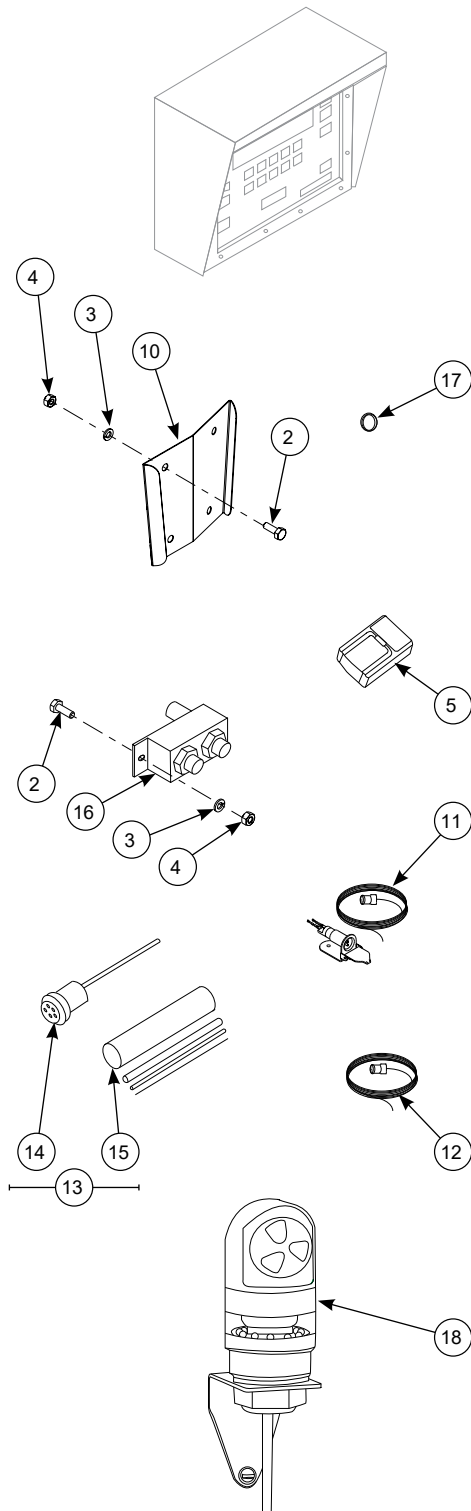
Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1400 Ladder Assembly							
1	Ladder Assembly.....	PA-22936	AR				
2	•Bolt, Hex Hd 1/2-13NC x 1-1/4" Lg	A-724	4				
3	•Washer, Plain 1/2.....	A-949	2				
4	•Nut, Hex Lk 1/2-13NC.....	A-473	4				

Figure 50
dg Scale Options, WX Scale Options, & EZ Scale Options

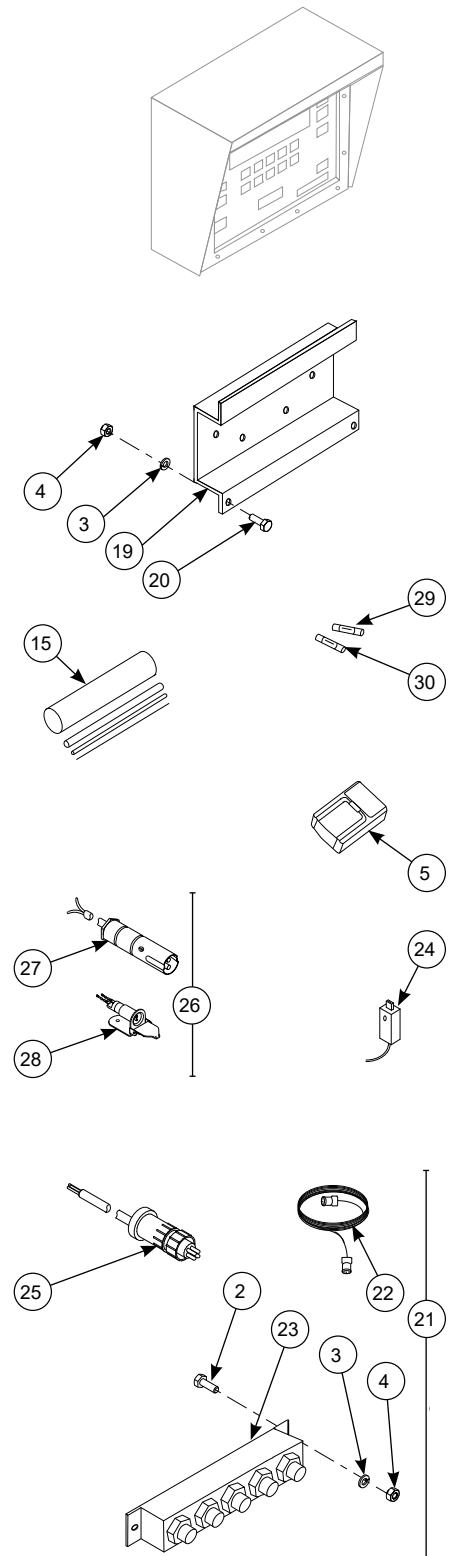
dinemica generale®



Weigh-Tronix®



Digi-Star® Indicator



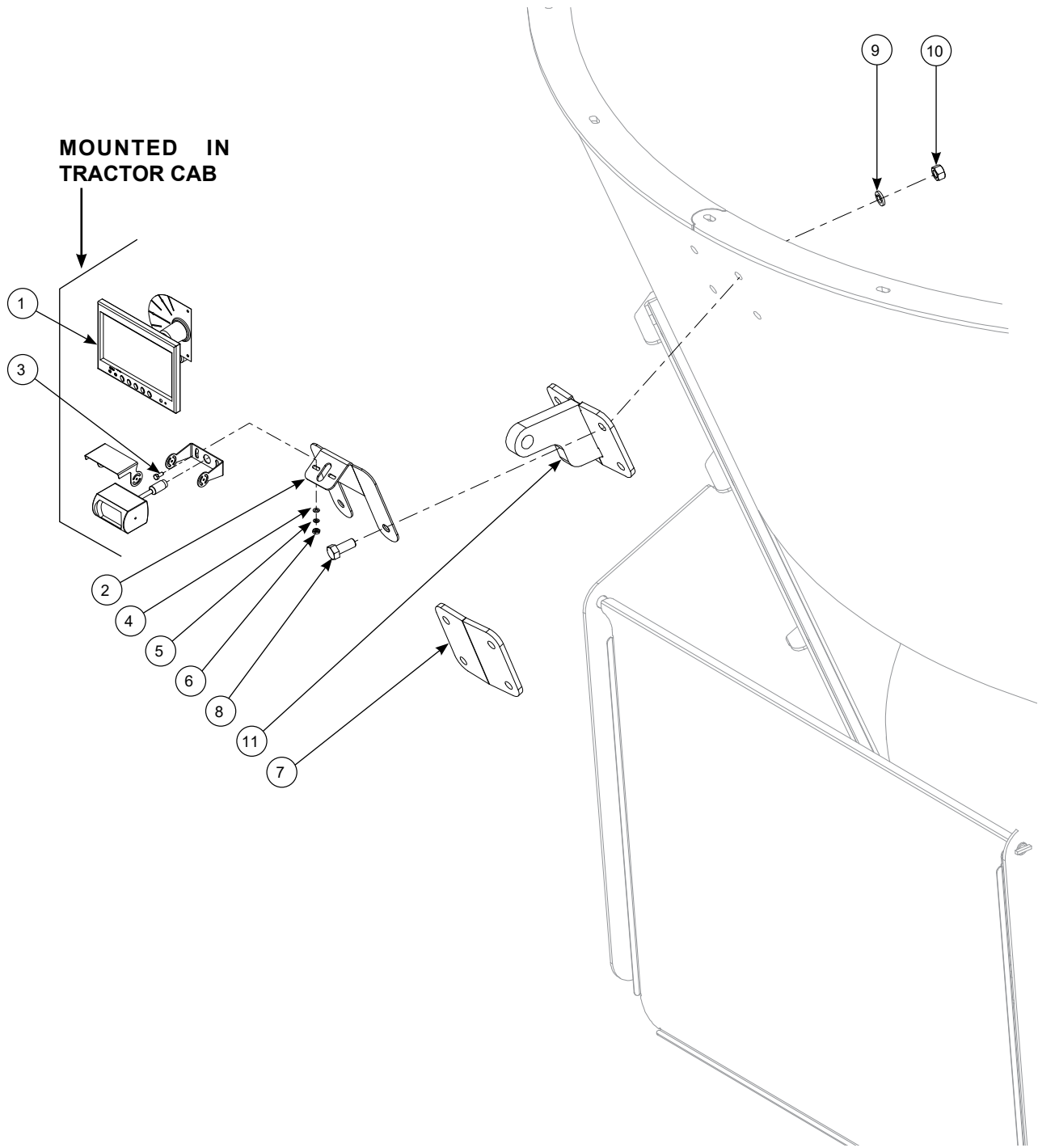
Parts List for Figure 50

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
dinamica generale® DG Scale Options							
1	DG Indicator Mounting Bracket	PA-25523	1				
2	Bolt, Hex Hd 1/4-20NC x 3/4"	A-522	4				
3	Washer, Lock 1/4"	A-853	4				
4	Nut, Hex 1/4-20NC	A-859	4				
5	DG, Remote Transmitter	PA-24433	1				
6	DG, Memory Card	PA-24656	1				
7	DG Pigtail/Splice Kit Package	PA-28542	AR				
8	•DG 5-Pin Conn w/12' Pigtail.....	PA-28541	1				
9	•DG Cord Splice Kit.....	PA-28540	1				
Weigh-Tronix® WX Scale Options							
10	WX Indicator Mounting Bracket.....	PA-10151	1				
2	Bolt, Hex Hd 1/4-20NC x 3/4"	A-522	5				
3	Washer, Lock 1/4"	A-853	5				
4	Nut, Hex 1/4-20NC	A-859	5				
11	WX Tractor Power Cable, 18' Pkg.....	PA-11777	1				
	•WX Tractor Power Cable, 18'.....	PA-11766	1				
	•Tractor Power Cable Plug.....	PA-11767	1				
12	WX 30" Extension Cable	PA-10195	AR				
13	WX Pigtail/Splice Kit Pkg.....	PA-17158	1				
14	•WX Pigtail	PA-15681	1				
15	•WX Cord Splice Kit	PA-10282	1				
5	WX XM64 Transmitter	PA-20998	1				
	WX XM710 Transmitter.....	PA-13536	1				
	WX RM200 Transmitter.....	PA-23968	1				
16	WX RD Splitter	PA-24309	1				
17	WX Series 40 Vibration Bushing	PA-23070	1				
	WX Series 15 Vibration Bushing	PA-23071	1				
18	WX Alarm Horn/Light 10' Cable	PA-28989	1				
Digi-Star® Indicator EZ Scale Options							
19	EZ® Indicator Mount	PA-13442	1				
5	EZ TR4 Transmitter.....	PA-13535	1				
20	Bolt, Hex 1/4-20NC x 1"	A-523	2				
3	Washer, Lock 1/4"	A-853	2				
4	Nut, Hex 1/4-20NC	A-859	2				
21	WX to EZ Indicator Kit 4 to 1.....	PA-22508	1				
22	•WX-EZ Indicator Cable, 17'.....	PA-21713	1				
23	•WX Summing Box 4 TO 1	PA-22506	1				
2	•Bolt, Hex 1/4-20NC x 3/4	A-522	4				
3	•Washer, 1/4 Med. Split.....	A-853	4				
4	•Nut, Hex 1/4-20NC x 3/4.....	A-859	4				
24	EZ Data Key	PA-22723	1				
	EZ 3500 Data Key w/USB	PA-22823	1				
25	EZ 15' J-Box Cable	PA-24806	1				
26	EZ® Pwr Cble 20' w/Qck Discnct.....	PA-13409	1				
27	•EZ® Tractor Power Cable.....	PA-13437	1				
28	•Tractor Power Cable Plug.....	PA-11767	1				
15	WX Cord Splice Kit.....	PA-10282	AR				
29	5 Amp Fuse.....	PA-15682	1				
30	10 Amp Fuse.....	PA-15683	1				

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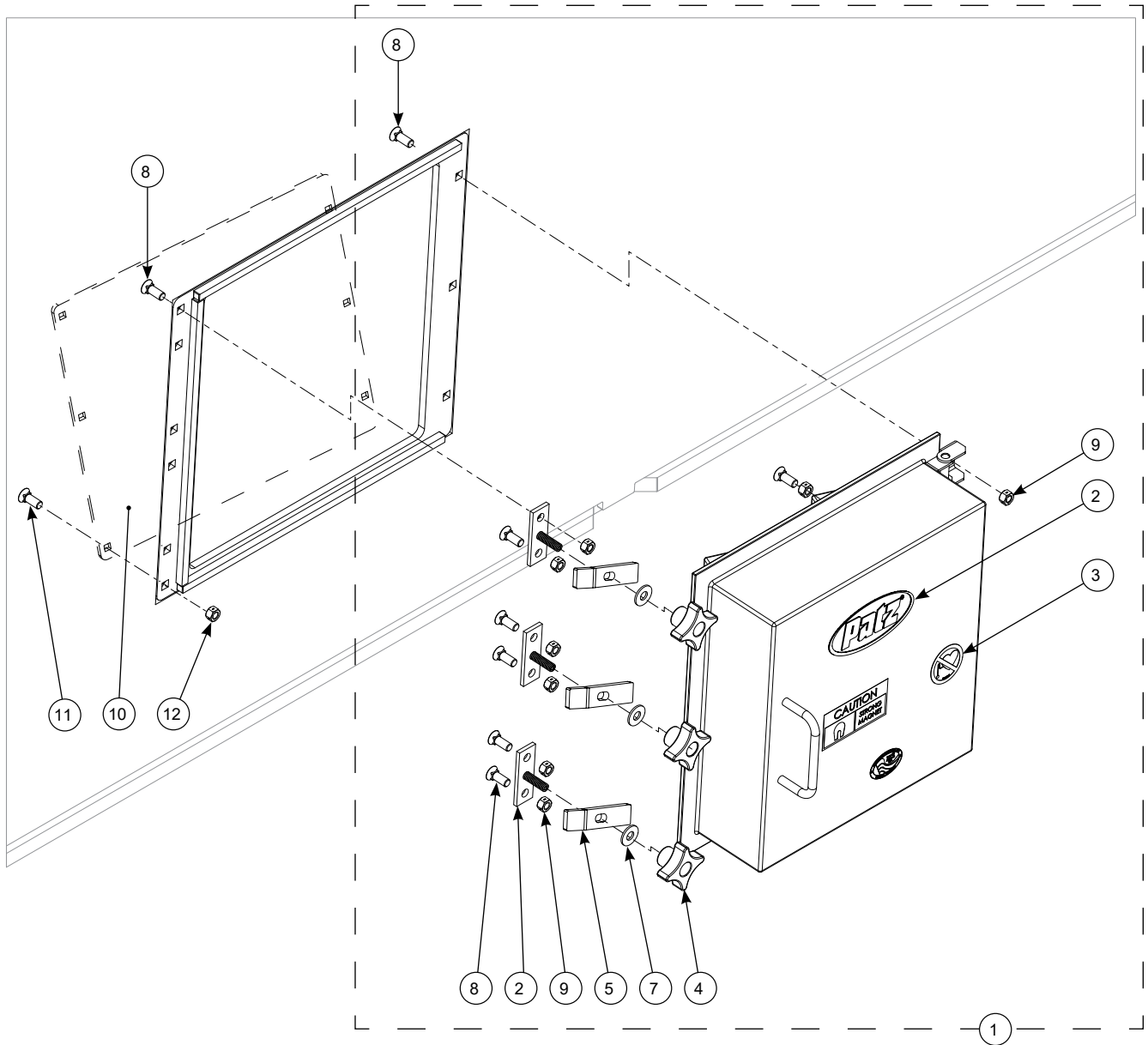
Figure 51
Camera Package



Parts List for Figure 51

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	CAMERA PACKAGE.....	PA-25440					
1	•Camera, Backup 7" TFT LCD Kit	PA-25347	1				
2	•Camera Mount	PA-25354	1				
3	•Bolt, Hex M05 x 12 mm.....	PA-25484	2				
4	•Washer, Lock M05 Med. Split	PA-25488	2				
5	•Washer, Plain M05 Flat.....	PA-25487	2				
6	•Nut, Hex M5	PA-20458	2				
7	•Camera Backplate	PA-25357	1				
8	•Bolt, Hex 5/8-11NC x 1-1/2	A-1349	4				
9	•Washer, Lock 5/8 Med. Split	A-1243	4				
10	•Nut, Hex 5/8-11NC2, Am. Std.....	A-36	4				
11	Cyl. Mount Weldment.....	PA-20633	1				

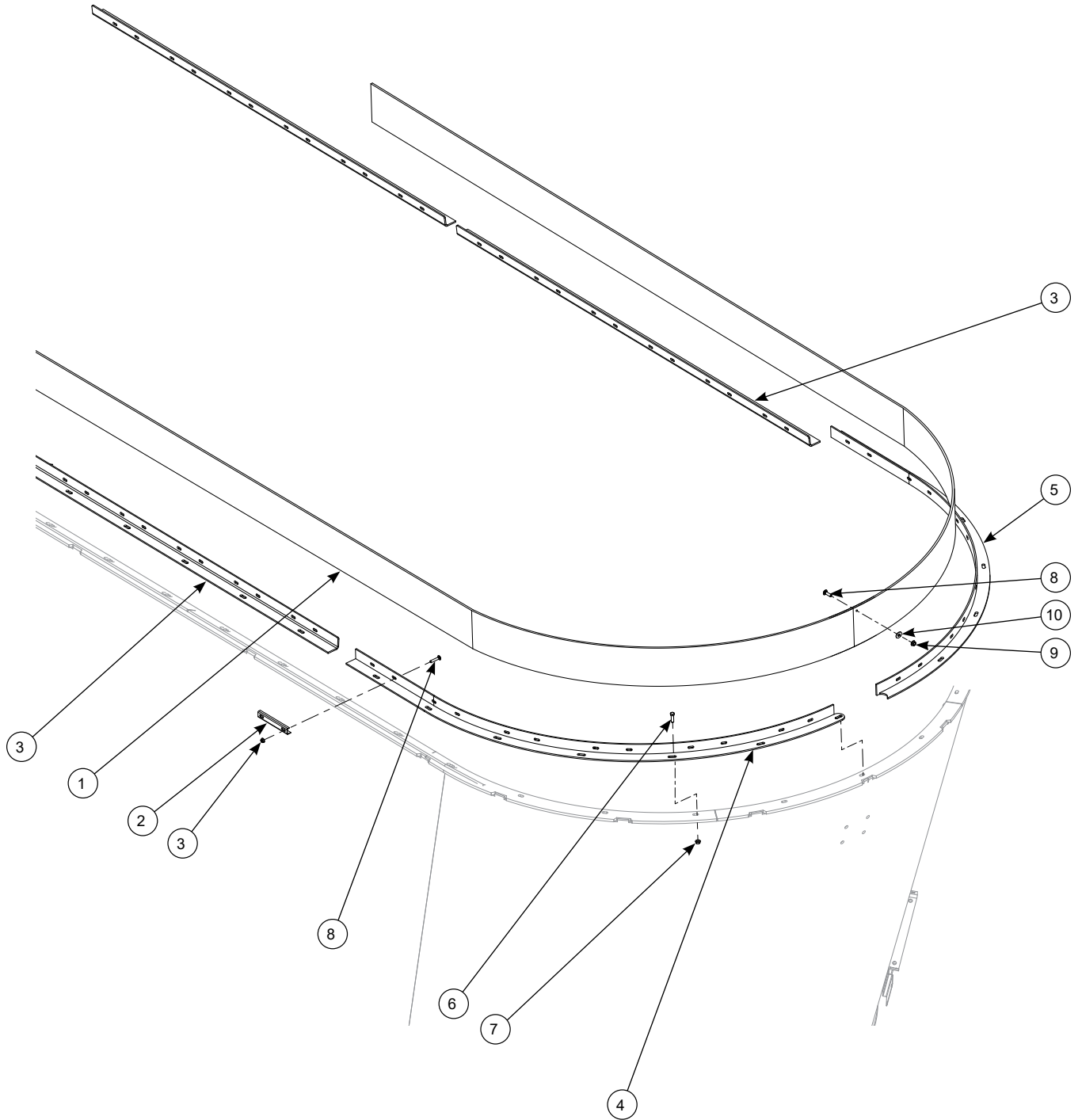
Figure 52
Tub Mounted Magnet



Parts List for Figure 52

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Tub Magnet Basic Kit 15.5 x 16	PA-26820	1				
2	•Patz Decal 1 3/4 x 4 3/4	PA-5125	1				
3	•Safety Sign, Danger Mag. Field	PA-25168	1				
4	•Knob, 4-Lobe 3/8-16NC	PA-24554	3				
5	•Clamp Bar	PA-24553	3				
6	•Base	PA-24552	3				
7	•Washer, Plain 3/8 SS	PA-11112	3				
8	•Bolt, Plow 3/8-16NC x 1" Lg.....	PA-24563	9				
9	•Nut, Hex 3/8-16NC Ctr Lk	PA-4282	9				
10	Cover Plate 15.5 x 16.....	PB-7283	1				
11	Bolt, Carr. 3/8-16NC x 1" Gr. 5.....	A-1285	6				
12	Nut, Hex 3/8-16NC Ctr Lk	PA-4282	6				

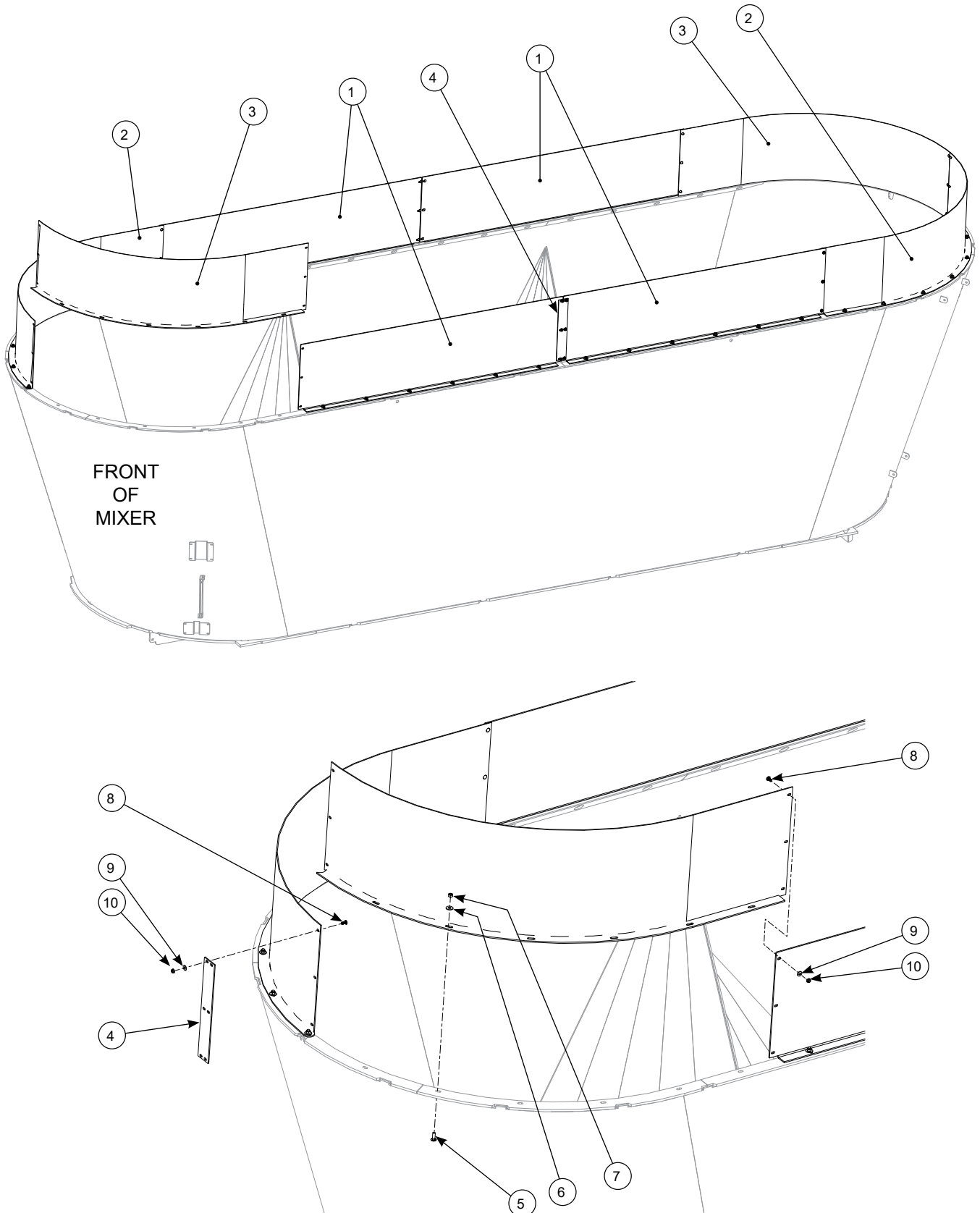
Figure 53
Rubber Side Extensions Package



Parts List for Figure 53

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
	Rubber Side Extensions Package.....	PA-22943	AR				
1	•Rubber Extension 228" Lg	PA-22321	4				
2	•Clamp Rubber Extension	PB-4971	48				
3	•Extension Center Angle - 1400	PB-6066	4				
4	•Extension Angle - Male - 1400	PB-6070	2				
5	•Extension Angle - Female - 1400	PB-6071	2				
6	•Bolt, Hex 7/16-14NC x 1-1/2" Lg.....	PA-16488	50				
7	•Nut, Hex Flng WhizLk 7/16-14UNC	PA-18262	50				
8	•Bolt, Carr. 3/8-16NC x 1-1/2"	A-1468	102				
9	•Nut, Hex Flng WhizLk 3/8-16UNC	PA-6823	102				
10	•Washer, Plain 3/8.....	A-925	6				

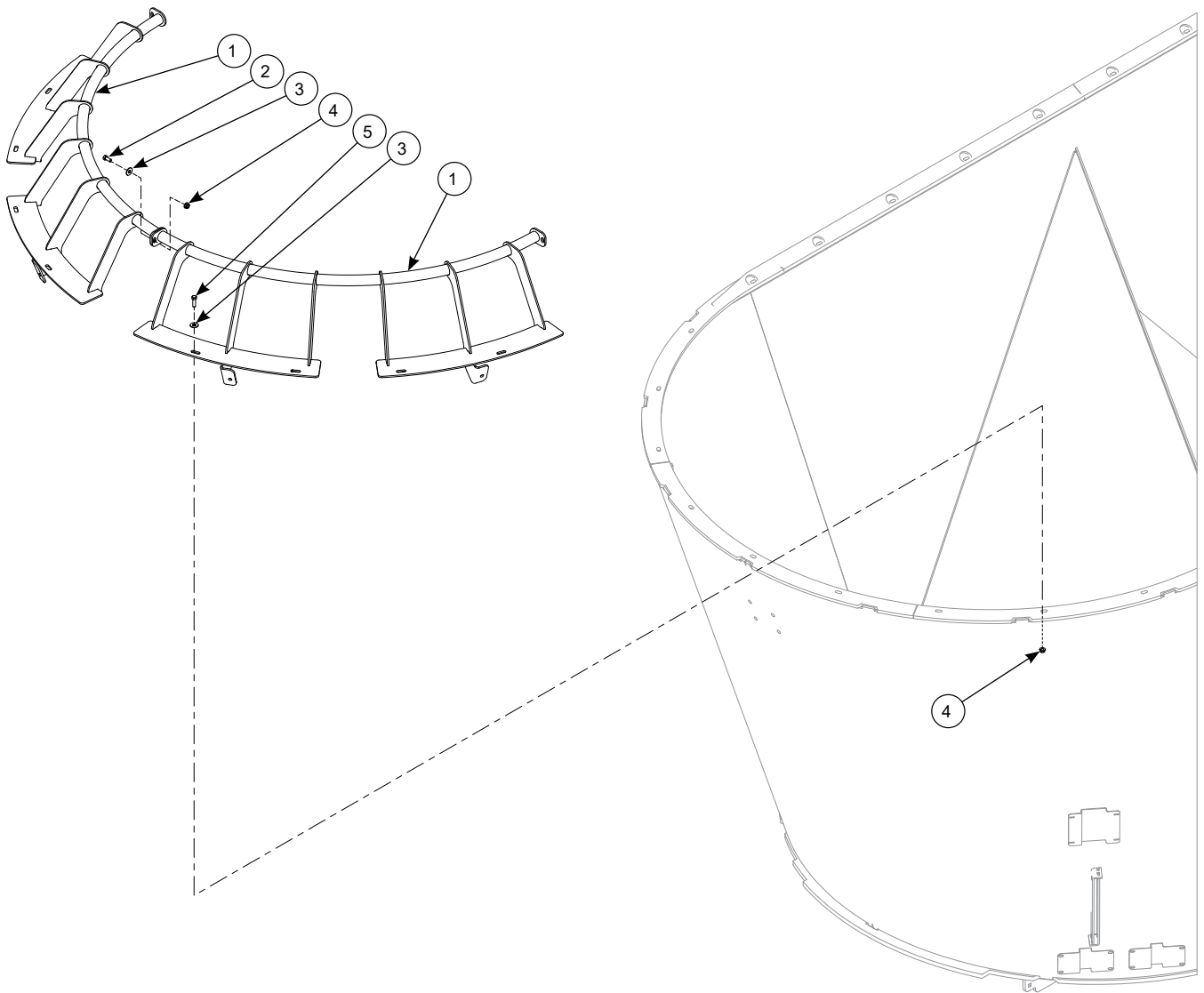
Figure 54
Steel Side Extensions Package
18"
24"



Parts List for Figure 54

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
Steel Side Extensions Package 18".....PC-2799							
1	•Ext. Center Angle 18" - 1400	PB-7213	4				
2	•Ext. Angle Male 18" - 1400	PB-7215	2				
3	•Ext. Angle Female 18" - 1400	PB-7216	2				
4	•Clamp Plate, 17"	PA-26273	4				
5	•Bolt, Carr. 1/2-13NC x 1-1/2L Gr. 5	PA-14398	50				
6	•Washer, Pln .5 x 1.4 x .1T.....	A-949	50				
7	•Nut, Hex 1/2-13NC Gr 5.....	PA-24156	50				
8	•Bolt, Carr. 3/8-16NC x 1L Gr. 5.....	A-1285	36				
9	•Washer, Pln 3/8 x 1 x 1/16T.....	A-925	36				
10	•Nut, Hex 3/8-16NC WhizLk.....	PA-6823	36				
Steel Side Extensions Package 24".....PC-2798							
1	•Ext. Center Angle 24" - 1400	PB-7209	4				
2	•Ext. Angle Male 24" - 1400	PB-7211	2				
3	•Ext. Angle Female 24" - 1400	PB-7212	2				
4	•Clamp Plate, 22"	PA-26272	4				
5	•Bolt, Carr. 1/2-13NC x 1-1/2L Gr. 5	PA-14398	50				
6	•Washer, Pln .5 x 1.4 x .1T.....	A-949	50				
7	•Nut, Hex 1/2-13NC Gr 5.....	PA-24156	50				
8	•Bolt, Carr. 3/8-16NC x 1L Gr. 5.....	A-1285	36				
9	•Washer, Pln 3/8 x 1 x 1/16T.....	A-925	36				
10	•Nut, Hex 3/8-16NC WhizLk.....	PA-6823	36				

Figure 55
Pipe Hay Deflector Package

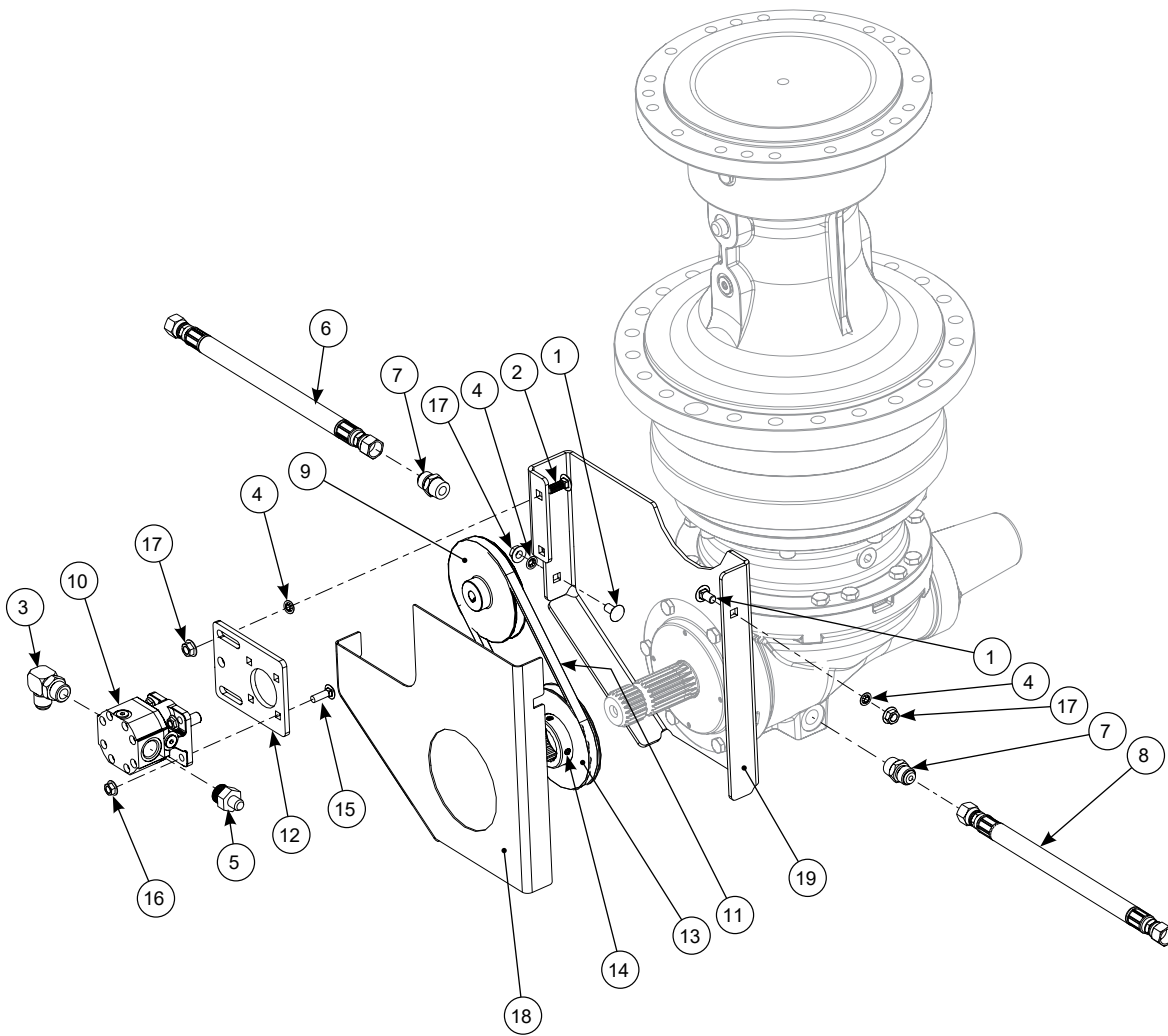


Parts List for Figure 55

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Hay Deflector.....	PC-2308	4				
2	Bolt, Hex Hd 7/16-14NC x 1" Lg.....	PA-10173	3				
3	Washer, Plain 7/16	A-800	18				
4	Nut, Hex Flng WhizLk 7/16-14UNC.....	PA-18262	18				
5	Bolt, Hex Hd 7/16-14NC x 1-1/2" Lg	PA-16488	16				

Figure 56
Planetary Cooling System—V-Pulley Assembly

REAR PLANETARY SHOWN



Parts List for Figure 56

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Bolt, Carr. 3/8-16NC x 3/4".....	A-1279	2				
2	Bolt, Carr. 3/8-16NC x 1 Gr. 5.....	A-1285	2				
3	HFTG EI 90° 10MORB x 08MJ.....	PA-11602	1				
4	3/8 Push Nut.....	PA-13370	4				
5	HFTG Adpt 10MORB x 06MJ.....	PA-14823	1				
6	HHose 1/2 x 36L 08FSJ x 08FSJ (Rear Planetary).....	PA-15286	2				
	HHose 1/2 x 66L 08FSJ x 08FSJ (Middle Planetary).....	PA-24617	2				
7	HFTG Adpt 08MBSPP x 08MJ (Rear Planetary).....	PA-26836	2				
	HFTG EI 90° 08MJ x 08MBSPP (Middle Planetary).....	PA-23418	1				
8	HHose 1/2 x 146L 08FSJ x 08FSJ90 (Middle Planetary).....	PA-23407	1				
	HHose 1/2 x 66L 08FSJ x 08FSJ (Rear Planetary).....	PA-24617	1				
9	V-Pulley, A5 x 1/2" B.....	PA-25048	1				
10	Hyd. Pump 0.517 CID 1/2" Shaft.....	PA-25093	1				
11	V-Belt, A-30.....	PA-25098	1				
12	Pump Mount.....	PA-25121	1				
13	V-Pulley, A5 x 1-3/4 20T.....	PA-25134	1				
14	•Set Screw, 5/16-18NCx1/4 Hex Skt.....	A-102	2				
15	Bolt, Carr. 5/16-18NC x 1" Gr. 5.....	PA-5679	4				
16	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	4				
17	Nut, Hex Flng WhizLk 3/8-16UNC.....	PA-6823	4				
18	Guard, Pump Drive ND.....	PB-7041	1				
19	Pump Drive Backplate.....	PB-7043	1				

Parts List for Figure 57

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Bolt, Hex Hd 5/16-18NC x 3/4" Lg.....	A-758	4				
2	Hyd. Oil Cooler	PA-25094	1				
3	•Fan Assembly	PA-25547	1				
4	•PFTG Plug 08MP Sq Hd	A-54	1				
5	•Bolt, Hex Hd 5/16-18NC x 3/4" Lg	A-758	4				
6	•Nut, Hex Flng WhizLk 5/16-18UNC	PA-6818	4				
7	Hyd. Oil Filter, Spin-On 06FP	PA-25096	1				
8	•Hyd. Filter Element, 3/4-16 25M	PA-25095	1				
9	Elec. Fuse Inline Holder 2.5-30AMP	PA-25405	1				
10	Elec. Fuse Blade Style 15 AMP	PA-25406	1				
11	HFTG EI 45° 06MP x 08MJ	PA-25493	1				
12	HHose 1/4 x 133" 06FSJ x 06FSJ	PA-25494	1				
13	HFTG Adpt 12MORB-06FP	PA-25534	1				
14	HFTG Adpt 12MORB x 06MJ	PA-25535	1				
15	Filter, Indicator 60 PSI Adj	PA-25766	1				
16	Nut, Hex Flng WhizLk 5/16-18UNC	PA-6818	8				
17	3/8 NPT x 2" Lg Nipple	PA-9577	1				
18	Elec. Switch 2-Position Toggle Illum.	PA-25411	1				
19	Elec. DC Receptacle	PA-25410	1				
20	Elec. Fuse Blade Style 25 AMP	PA-25407	1				
21	Receptacle Bracket	PA-25498	1				

Parts List for Figure 58

Key No.	Description	Part No.	No. Req.	Key No.	Description	Part No.	No. Req.
1	Bolt, Carr. 3/8-16NC x 3/4".....	A-1279	3				
2	Bolt, Carr. 3/8-16NC x 1-1/4" Gr. 5	A-1449	2				
3	Bolt, Hex 1/4-20UNC x 1" Lg Gr. 5 Ft	A-523	2				
4	Bolt, Hex Hd 5/16-18NC x 3/4" Lg.....	A-758	4				
5	HHose 1/4 x 66L 06FSJ x 06FSJ (Rear Planetary)	PA-12309	1				
	HHose 1/4 x 148 06FSJ x 06FSJ (Middle Planetary)	PA-15495	1				
6	HHose 1/2 x 36L 08FSJ x 08FSJ (Rear Planetary)	PA-15286	1				
	HHose 1/2 x 66L 08FSJ x 08FSJ (Middle Planetary)	PA-24617	1				
7	HFTG EI 90° 12MORB x 08MJ	PA-18912	1				
8	HFTG EI 90° 06MP x 08MJ	PA-18915	2				
9	HFTG EI 90° 06FSJ x 06MJ	PA-22920	1				
10	Hyd. Oil Cooler	PA-25094	1				
11	•Fan Assembly	PA-25547	1				
12	•Bolt, Hex Hd 5/16-18NC x 3/4" Lg.	A-758	4				
13	•Nut, Hex Flng WhizLk 5/16-18UNC	PA-6818	4				
14	Hyd. Oil Filter, Spin-On 06FP	PA-25096	1				
15	•Hyd. Filter Element, 3/4-16 25M	PA-25095	1				
16	Radiator Hangar	PA-25120	1				
17	PFTG Nip. 1/8 NPT Close	PA-25497	1				
18	HFTG Adpt 12MORB x 06MJ	PA-25535	1				
19	Filter, Indicator 60 PSI Adj.....	PA-25766	1				
20	PFTG Cplg 1/8 NPT	PA-5040	1				
21	Nut, Hex Flng WhizLk 5/16-18UNC.....	PA-6818	7				
22	Nut, Hex Flng WhizLk 3/8-16UNC.....	PA-6823	2				
23	Radiator Mount - 3600.....	PB-7039	1				

NUMERICAL PARTS LIST

Part Number	Page	Part Number	Page
A			
A-15	3.53, 3.89, 3.97	A-1285	3.5, 3.33, 3.57, 3.69, 3.71, 3.73, 3.77, 3.79, 3.83, 3.85, 3.87, 3.89, 3.93, 3.95, 3.97, 3.105, 3.109, 3.113
A-16	3.15, 3.21, 3.35, 3.37, 3.61, 3.69, 3.71, 3.77, 3.83, 3.87, 3.93, 3.95	A-1349	3.3, 3.7, 3.103
A-36	3.3, 3.7, 3.13, 3.45, 3.103	A-1449	3.13, 3.33, 3.69, 3.71, 3.73, 3.79, 3.83, 3.85, 3.89, 3.93, 3.95, 3.97, 3.117
A-48	3.71, 3.77, 3.85, 3.87	A-1462	3.39, 3.55
A-49	3.95	A-1463	3.39, 3.55
A-54	3.63, 3.115	A-1465	3.93
A-63	3.15, 3.21, 3.45, 3.87	A-1468	3.71, 3.77, 3.107
A-64	3.5, 3.7, 3.9, 3.31, 3.35, 3.45, 3.53, 3.57, 3.59, 3.69, 3.71, 3.73, 3.77, 3.79, 3.83, 3.85, 3.87, 3.89, 3.93, 3.95, 3.97	A-1484	3.29
A-68	3.5, 3.7, 3.31, 3.35, 3.45, 3.53, 3.59, 3.69, 3.71, 3.73, 3.77, 3.79, 3.83, 3.85, 3.87, 3.89, 3.93, 3.95, 3.97	A-1503	3.49, 3.51
A-97	3.45	A-1650	3.15, 3.21
A-102	3.113	A-1789	3.33
A-109	3.61, 3.69, 3.97	A-14398	3.83
A-119	3.53, 3.59, 3.63, 3.89	A-24648	3.9, 3.11
A-120	3.17, 3.53, 3.61, 3.89, 3.97	PA	
A-128	3.5, 3.7, 3.71, 3.77, 3.87, 3.93, 3.95	PA-915	3.73, 3.79
A-270	3.89, 3.97	PA-1650	3.15
A-301	3.15, 3.21, 3.33, 3.57, 3.87, 3.89	PA-3615	3.21
A-388	3.5	PA-3692	3.33
A-401	3.15, 3.21, 3.35, 3.37, 3.61, 3.69, 3.71, 3.77, 3.83	PA-4011	3.7, 3.43
A-463	3.5, 3.95	PA-4281	3.15, 3.21
A-473	3.35, 3.99	PA-4282	3.13, 3.105
A-480	3.93, 3.95	PA-4584	3.69
A-498	3.71, 3.77, 3.87	PA-5019	3.93, 3.95
A-520	3.35	PA-5040	3.117
A-522	3.35, 3.55, 3.101	PA-5125	3.55, 3.105
A-523	3.67, 3.101, 3.117	PA-5177	3.39, 3.55
A-568	3.33	PA-5260	3.89
A-569	3.33	PA-5281	3.29
A-588	3.9, 3.17, 3.35, 3.85, 3.97	PA-5679	3.5, 3.113
A-724	3.35, 3.99	PA-5709	3.71, 3.77, 3.87, 3.93, 3.95
A-757	3.71, 3.77, 3.87	PA-5818	3.55
A-758	3.17, 3.53, 3.57, 3.59, 3.63, 3.115, 3.117	PA-6063	3.55
A-767	3.15, 3.21	PA-6145	3.93, 3.95
A-800	3.111	PA-6327	3.47
A-853	3.35, 3.39, 3.55, 3.67, 3.101	PA-6372	3.49, 3.51
A-859	3.35, 3.39, 3.55, 3.67, 3.101	PA-6414	3.15, 3.21, 3.43, 3.73, 3.79, 3.87, 3.93, 3.95
A-902	3.93, 3.95	PA-6415	3.15, 3.21, 3.41, 3.73, 3.79, 3.87, 3.93, 3.95
A-916	3.35, 3.61, 3.71, 3.77, 3.87, 3.93, 3.95	PA-6436	3.39
A-925	3.1, 3.9, 3.11, 3.57, 3.69, 3.71, 3.73, 3.77, 3.79, 3.83, 3.87, 3.89, 3.93, 3.95, 3.97, 3.107, 3.109	PA-6807	3.71, 3.77, 3.87, 3.93, 3.95
A-947	3.71, 3.77, 3.87, 3.93, 3.95	PA-6815	3.29, 3.31
A-949	3.35, 3.61, 3.63, 3.69, 3.99, 3.109	PA-6818	3.3, 3.5, 3.53, 3.59, 3.63, 3.75, 3.81, 3.91, 3.93, 3.95, 3.113, 3.115, 3.117
A-951	3.17	PA-6823	3.5, 3.29, 3.35, 3.85, 3.107, 3.109, 3.113, 3.117
A-955	3.31, 3.55	PA-7234	3.29
A-959	3.87	PA-7307	3.15, 3.21
A-995	3.97	PA-7346	3.31
A-997	3.5, 3.57, 3.69	PA-7354	3.31
A-1054	3.17	PA-7431	3.97
A-1214	3.7	PA-7743	3.53, 3.59
A-1243	3.3, 3.7, 3.13, 3.45, 3.53, 3.59, 3.61, 3.103	PA-7842	3.49, 3.51
A-1270	3.57	PA-8193	3.35
A-1278	3.93, 3.95	PA-9575	3.45
A-1279	3.35, 3.53, 3.59, 3.71, 3.77, 3.85, 3.87, 3.89, 3.97, 3.113, 3.117	PA-9577	3.63, 3.115
		PA-9780	3.93, 3.95
		PA-10151	3.35, 3.101
		PA-10173	3.111

NUMERICAL PARTS LIST

Part Number	Page	Part Number	Page
PA-10195	3.101	PA-15496	3.95
PA-10282	3.101	PA-15681	3.101
PA-10679	3.61	PA-15682	3.101
PA-10716	3.9, 3.11	PA-15683	3.101
PA-10720	3.3, 3.5, 3.29, 3.31, 3.75, 3.81, 3.91, 3.93, 3.95	PA-15684	3.29
PA-11112	3.105	PA-15789	3.29, 3.31
PA-11276	3.53, 3.59	PA-16488	3.107, 3.111
PA-11404	3.93, 3.95	PA-16724	3.31
PA-11587	3.87, 3.93, 3.95	PA-17158	3.101
PA-11599	3.81, 3.93	PA-17453	3.89
PA-11600	3.75, 3.91, 3.95	PA-17537	3.35, 3.39
PA-11601	3.75, 3.91, 3.95	PA-17647	3.71, 3.77, 3.85, 3.87
PA-11602	3.113	PA-17667	3.19, 3.51
PA-11648	3.35	PA-17668	3.19
PA-11657	3.33	PA-17669	3.19
PA-11668	3.35	PA-17672	3.19
PA-11717	3.61	PA-17749	3.15, 3.21
PA-11739	3.15, 3.21	PA-17828	3.53, 3.55, 3.59
PA-11766	3.101	PA-17839	3.19
PA-11767	3.101	PA-17915	3.19
PA-11777	3.101	PA-17916	3.19
PA-11845	3.55	PA-17917	3.19
PA-11945	3.15, 3.21	PA-17997	3.55
PA-11997	3.7	PA-18262	3.107, 3.111
PA-12108	3.33	PA-18298	3.93, 3.95
PA-12111	3.61	PA-18494	3.53
PA-12116	3.51	PA-18542	3.31
PA-12171	3.3	PA-18834	3.15, 3.21
PA-12309	3.3, 3.29, 3.117	PA-18912	3.31, 3.53, 3.57, 3.59, 3.117
PA-12310	3.29, 3.63, 3.91	PA-18915	3.117
PA-12559	3.75, 3.81, 3.91, 3.93, 3.95	PA-19222	3.5
PA-13370	3.5, 3.71, 3.73, 3.77, 3.79, 3.85, 3.87, 3.89, 3.93, 3.95, 3.113	PA-19275	3.5, 3.7, 3.43
PA-13409	3.101	PA-19863	3.41
PA-13437	3.101	PA-19959	3.35
PA-13442	3.101	PA-20251	3.3
PA-13456	3.61	PA-20268	3.13
PA-13535	3.101	PA-20270	3.61
PA-13536	3.101	PA-20279	3.45
PA-13699	3.15, 3.21	PA-20280	3.45
PA-14397	3.37	PA-20281	3.45
PA-14398	3.69, 3.109	PA-20283	3.45
PA-14677	3.45	PA-20313	3.61
PA-14823	3.113	PA-20345	3.31, 3.57, 3.75, 3.81, 3.91, 3.93, 3.95
PA-14855	3.29	PA-20456	3.39
PA-14920	3.45	PA-20457	3.39
PA-15011	3.17	PA-20458	3.103
PA-15012	3.17	PA-20459	3.39, 3.89
PA-15013	3.17	PA-20463	3.15, 3.21
PA-15014	3.17	PA-20480	3.15, 3.21
PA-15273	3.3, 3.5, 3.7	PA-20491	3.39
PA-15286	3.75, 3.91, 3.113, 3.117	PA-20633	3.3, 3.7, 3.103
PA-15289	3.75, 3.81, 3.91	PA-20776	3.13
PA-15292	3.75, 3.81, 3.91, 3.93	PA-20806	3.45
PA-15309	3.3, 3.7	PA-20807	3.45
PA-15310	3.3, 3.5, 3.7	PA-20836	3.45
PA-15311	3.3, 3.5, 3.31	PA-20893	3.89
PA-15493	3.29, 3.75	PA-20894	3.89
PA-15495	3.117	PA-20902	3.73, 3.79, 3.87, 3.93, 3.95
		PA-20905	3.45

NUMERICAL PARTS LIST

Part Number	Page	Part Number	Page
PA-20916	3.7	PA-22508	3.101
PA-20961	3.71, 3.77, 3.87, 3.93, 3.95	PA-22591	3.95
PA-20998	3.101	PA-22600	3.67
PA-21006	3.93, 3.95	PA-22670	3.65
PA-21007	3.93, 3.95	PA-22676	3.45, 3.61
PA-21040	3.31	PA-22677	3.45, 3.61
PA-21130	3.45, 3.61	PA-22690	3.41, 3.45
PA-21146	3.85	PA-22723	3.101
PA-21148	3.95	PA-22823	3.101
PA-21150	3.35	PA-22841	3.17
PA-21152	3.35	PA-22853	3.5
PA-21187	3.13	PA-22854	3.5
PA-21191	3.93, 3.95	PA-22862	3.45
PA-21222	3.47	PA-22892	3.7
PA-21234	3.53, 3.59, 3.61	PA-22893	3.7
PA-21274	3.5	PA-22900	3.7
PA-21276	3.85	PA-22910	3.71, 3.77, 3.85
PA-21288	3.53, 3.59	PA-22911	3.71, 3.77, 3.85
PA-21291	3.61	PA-22920	3.117
PA-21318	3.51	PA-22936	3.99
PA-21319	3.51	PA-22943	3.107
PA-21358	3.5, 3.95	PA-22953	3.71, 3.77, 3.85, 3.87
PA-21393	3.45	PA-22962	3.71, 3.77, 3.87
PA-21411	3.5, 3.67	PA-22977	3.19
PA-21414	3.53, 3.59, 3.61	PA-22978	3.19
PA-21431	3.13	PA-22979	3.19
PA-21432	3.13	PA-22980	3.19
PA-21464	3.67	PA-22982	3.71, 3.87
PA-21490	3.45	PA-22983	3.71, 3.77, 3.87
PA-21523	3.97	PA-22984	3.71, 3.87
PA-21713	3.101	PA-22985	3.71, 3.77, 3.87
PA-21739	3.5	PA-23031	3.71, 3.77, 3.87
PA-21741	3.5	PA-23032	3.71, 3.77, 3.87
PA-21748	3.5	PA-23042	3.17
PA-21752	3.93, 3.95	PA-23043	3.17
PA-21774	3.5	PA-23044	3.17
PA-21775	3.93, 3.95	PA-23045	3.17
PA-21821	3.93, 3.95	PA-23046	3.17
PA-21832	3.45	PA-23047	3.17
PA-21837	3.95	PA-23048	3.17
PA-21881	3.53, 3.59, 3.81, 3.91, 3.93	PA-23049	3.17
PA-22190	3.67	PA-23050	3.17
PA-22243	3.57, 3.75, 3.91, 3.95	PA-23051	3.17
PA-22248	3.45	PA-23052	3.17
PA-22255	3.93, 3.95	PA-23054	3.17
PA-22256	3.93, 3.95	PA-23055	3.17
PA-22298	3.93, 3.95	PA-23056	3.17
PA-22299	3.93, 3.95	PA-23057	3.17
PA-22316	3.93, 3.95	PA-23066	3.17
PA-22317	3.93, 3.95	PA-23067	3.17
PA-22318	3.93, 3.95	PA-23068	3.17
PA-22319	3.93, 3.95	PA-23070	3.101
PA-22321	3.107	PA-23071	3.101
PA-22396	3.5	PA-23078	3.15, 3.21
PA-22404	3.51	PA-23084	3.17
PA-22430	3.95	PA-23090	3.17
PA-22486	3.61	PA-23091	3.89
PA-22492	3.13	PA-23111	3.17
PA-22506	3.101	PA-23112	3.17

NUMERICAL PARTS LIST

Part Number	Page	Part Number	Page
PA-23121	3.5	PA-24628	3.31
PA-23148	3.69	PA-24656	3.101
PA-23149	3.69	PA-24689	3.31, 3.89
PA-23194	3.45	PA-24694	3.75, 3.81, 3.91
PA-23224	3.15, 3.21	PA-24704	3.9, 3.11
PA-23243	3.63	PA-24705	3.9, 3.11
PA-23297	3.17	PA-24806	3.101
PA-23384	3.3, 3.5	PA-24832	3.85
PA-23386	3.63	PA-24888	3.15, 3.21
PA-23389	3.81, 3.93, 3.95	PA-24918	3.89
PA-23395	3.29	PA-24920	3.89
PA-23407	3.113	PA-24975	3.71, 3.77
PA-23418	3.113	PA-25027	3.5
PA-23419	3.75, 3.81, 3.91	PA-25048	3.113
PA-23424	3.63	PA-25093	3.113
PA-23433	3.69	PA-25094	3.53, 3.59, 3.63, 3.115, 3.117
PA-23443	3.63	PA-25095	3.63, 3.115, 3.117
PA-23448	3.63	PA-25096	3.63, 3.115, 3.117
PA-23536	3.97	PA-25098	3.113
PA-23537	3.7	PA-25100	3.15, 3.21
PA-23553	3.15, 3.21	PA-25120	3.117
PA-23564	3.5	PA-25121	3.113
PA-23577	3.3	PA-25130	3.63
PA-23681	3.17	PA-25134	3.113
PA-23682	3.17	PA-25135	3.23
PA-23683	3.17	PA-25136	3.23
PA-23684	3.17	PA-25137	3.23
PA-23706	3.31	PA-25138	3.63
PA-23716	3.31	PA-25142	3.63
PA-23765	3.29	PA-25144	3.63
PA-23766	3.31	PA-25145	3.63
PA-23770	3.63	PA-25160	3.29
PA-23777	3.49	PA-25166	3.63
PA-23780	3.49	PA-25168	3.105
PA-23783	3.5, 3.29, 3.95	PA-25347	3.103
PA-23926	3.15, 3.21, 3.83	PA-25354	3.103
PA-23968	3.101	PA-25357	3.103
PA-24060	3.45	PA-25405	3.63, 3.115
PA-24123	3.65	PA-25406	3.63, 3.115
PA-24129	3.71, 3.93, 3.95	PA-25407	3.115
PA-24131	3.93, 3.95	PA-25410	3.115
PA-24156	3.109	PA-25411	3.115
PA-24309	3.101	PA-25440	3.103
PA-24313	3.71, 3.77, 3.87, 3.93, 3.95	PA-25484	3.103
PA-24314	3.71, 3.77, 3.87, 3.93, 3.95	PA-25487	3.103
PA-24352	3.71, 3.77	PA-25488	3.103
PA-24363	3.65	PA-25491	3.31, 3.63
PA-24365	3.65	PA-25492	3.63
PA-24433	3.101	PA-25493	3.63, 3.115
PA-24465	3.9, 3.11	PA-25494	3.115
PA-24530	3.11	PA-25497	3.117
PA-24539	3.35	PA-25498	3.115
PA-24552	3.105	PA-25503	3.29
PA-24553	3.105	PA-25512	3.29
PA-24554	3.105	PA-25516	3.29
PA-24563	3.105	PA-25517	3.29
PA-24608	3.97	PA-25523	3.35, 3.101
PA-24609	3.97	PA-25524	3.3, 3.5
PA-24617	3.113, 3.117	PA-25525	3.3, 3.5

NUMERICAL PARTS LIST

Part Number	Page	Part Number	Page
PA-25534	3.63, 3.115	PA-25998	3.55
PA-25535	3.63, 3.115, 3.117	PA-26000	3.93
PA-25542	3.73	PA-26018	3.9
PA-25544	3.73, 3.79	PA-26027	3.81, 3.95
PA-25545	3.73, 3.79	PA-26028	3.75, 3.81, 3.91, 3.93, 3.95
PA-25546	3.45	PA-26031	3.33
PA-25547	3.53, 3.59, 3.63, 3.115, 3.117	PA-26032	3.49
PA-25580	3.65	PA-26033	3.51
PA-25614	3.33	PA-26034	3.47
PA-25622	3.15, 3.21, 3.33, 3.41	PA-26097	3.5
PA-25630	3.33	PA-26098	3.5
PA-25631	3.45	PA-26119	3.67
PA-25657	3.65	PA-26183	3.47
PA-25658	3.65	PA-26243	3.23, 3.25
PA-25722	3.65	PA-26244	3.25
PA-25766	3.115, 3.117	PA-26248	3.95
PA-25771	3.31	PA-26251	3.45
PA-25772	3.31	PA-26253	3.45
PA-25798	3.27	PA-26272	3.109
PA-25799	3.27	PA-26273	3.109
PA-25800	3.27	PA-26283	3.41
PA-25801	3.27	PA-26288	3.13
PA-25803	3.25	PA-26289	3.13
PA-25804	3.23	PA-26307	3.41
PA-25805	3.23	PA-26321	3.55
PA-25806	3.25	PA-26322	3.55
PA-25807	3.25	PA-26323	3.55
PA-25808	3.23	PA-26324	3.55
PA-25809	3.23	PA-26327	3.55
PA-25810	3.23	PA-26347	3.37
PA-25811	3.23	PA-26370	3.41
PA-25812	3.23	PA-26456	3.53, 3.59, 3.61
PA-25813	3.23	PA-26496	3.75, 3.91, 3.95
PA-25814	3.25	PA-26588	3.45
PA-25815	3.25	PA-26695	3.45
PA-25816	3.23	PA-26696	3.45
PA-25817	3.23	PA-26820	3.105
PA-25818	3.23	PA-26832	3.57
PA-25820	3.23	PA-26836	3.113
PA-25821	3.23	PA-26850	3.57
PA-25822	3.23	PA-26851	3.57
PA-25823	3.23	PA-26862	3.31
PA-25824	3.23	PA-26968	3.53, 3.59
PA-25838	3.89	PA-27058	3.53, 3.59
PA-25839	3.89	PA-27127	3.57
PA-25854	3.73	PA-27128	3.53, 3.59
PA-25863	3.7	PA-27166	3.53, 3.59
PA-25867	3.75, 3.91, 3.95	PA-27347	3.9
PA-25869	3.81, 3.93	PA-27348	3.11
PA-25883	3.75, 3.81, 3.91, 3.93, 3.95	PA-27389	3.65
PA-25884	3.81	PA-27408	3.55
PA-25909	3.65	PA-27419	3.55
PA-25910	3.65	PA-27421	3.55
PA-25911	3.65	PA-27477	3.57
PA-25912	3.65	PA-27478	3.57
PA-25932	3.13	PA-27480	3.57
PA-25958	3.31, 3.53, 3.59, 3.81	PA-27531	3.45
PA-25984	3.45	PA-27537	3.55
PA-25995	3.95	PA-27539	3.55

NUMERICAL PARTS LIST

<u>Part Number</u>	<u>Page</u>	<u>Part Number</u>	<u>Page</u>
PC-2732	3.35		
PC-2798	3.109		
PC-2799	3.109		
PC-2825	3.45		
PC-2927	3.45		
PC-2937	3.55		
PC-2938NP	3.61		
PC-2939NP	3.65		
PC-3147	3.45		
PC-3262	3.83		
PC-3264	3.85		
PD-2068	3.15, 3.17		
PD-2069	3.21, 3.23, 3.25		
PD-2176	3.15, 3.17		
PD-2177	3.21, 3.23, 3.25		
PD-2406	3.15, 3.17		
PD-2407	3.21, 3.23, 3.25		