

Screening Bucket

Operation and Maintenance Manual



145010, 145015, 145110, 145115,
145117, 145120, 145135

Register your
WARRANTY
within 30 days
of purchase



888-376-7027 | BlueDiamondAttachments.com



BD-092

Introduction: Owner Information

Thank you for your decision to purchase a Blue Diamond® Screening Bucket. To ensure maximum performance of your equipment, it is mandatory that you thoroughly study the Operator's manual and follow the recommendations. Proper operation and maintenance are essential to maximize equipment life and prevent personal injury.

Operate and maintain this equipment in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and /or laws. Follow all on-product labeling and instructions.

Make sure that all personnel have read this Operator's Manual and thoroughly understand safe and correct operating, installation and maintenance procedures.

Blue Diamond® is continually working to improve its products. Blue Diamond® reserves the right to make any improvements or changes as deemed practical and possible without incurring any responsibility or obligation to make any changes or additions to equipment sold previously.

Although great care has been taken to ensure the accuracy of this publication, Blue Diamond® makes no warranty or guarantee of any kind, written or expressed, implied or otherwise with regard to the information contained within this manual. Blue Diamond® assumes no responsibility for any errors that may appear in this manual and shall not be liable under any circumstances for incidental, consequential or punitive damages in connection with, or arising from the use of this manual.

Keep this manual available for frequent reference. All new operators or owners must review the manual before using the equipment and annually thereafter. Contact your Blue Diamond® Attachments Dealer for assistance, information, or additional copies of the manual. Contact www.bluediamondattachments.com or call 888-376-7027 for a complete list of dealers in your area.

Serial Number Location:

Please record attachment information in the space provided for future reference.



Model Number: _____

Serial Number: _____

Dealer Name: _____

Dealer Number: _____

Date of Purchase: _____

The serial number plate is located on the top right hand side of the bucket when looking at the bucket with the stars closest to you.

Always use your serial number when requesting information or when ordering parts.

NOTE: The directions left, right, front and rear, as mentioned throughout this manual, are as viewed from the operator's position.

Revision Date: 08.27.2024

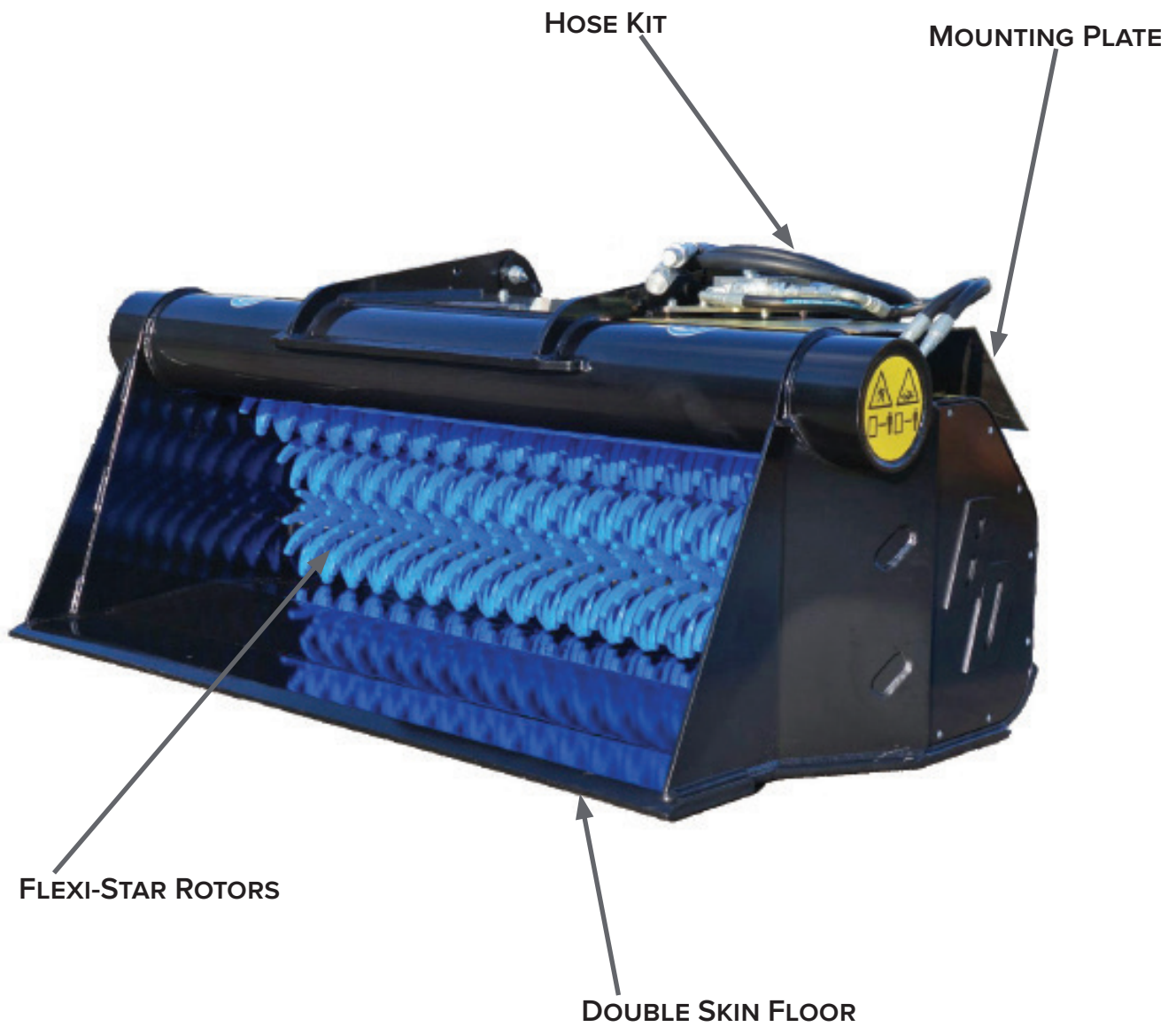
Blue Diamond® Attachments

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1. Introduction

1.1 Attachment Identification



2. Safety

1.2 Intended Purpose

The Screening Bucket is to be used for the screening, aerating, separating, and mixing of soils, aggregates, woodchips, and compost.

The screening bucket is to be used exclusively for the purpose intended (e.g. not as a primary digging bucket). The operator of the Screening Bucket is responsible for damage resulting from the Screening Bucket not being used for the purpose intended as well damage from not following the manufacturer's instructions for operation and maintenance.

1.3 Scope of Use

The Screening Bucket is a bucket type attachment fitted either to a hydraulic excavator or a skid steer loader (prime mover) that replaces a standard digging bucket.

The bucket shell is a steel structure with welded joints, integrated driveline cavities, double skin floor, and wear resistant cutting edge.

The horizontal shafts are fitted with Polypropylene flexi-stars that rotate in the same upwards direction. The rotors are supported at each end by a sealed bearing unit and are driven by a hydraulic motor.

The hydraulic motor, driveline, and bearings are all housed within the main structure of the bucket with access via a bolted access panel.

Only screen non-hazardous material. Load the material into the screening bucket in the same manner as loading a standard excavator or wheeled loader bucket. Once the bucket has been loaded and positioned, the prime mover's auxiliary hydraulic circuit is activated causing the star rotors to turn in an upwards direction.

The efficient screening process is created by the star rotors agitating the material. The agitation causes the finer material to flow through the rotating stars leaving the oversized/larger material in the bucket.

The larger material can then be tipped out so the process can be repeated.

2. Safety

2.1 General Safety Information



This SAFETY ALERT SYMBOL identifies important safety messages on the equipment and in the owner's manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



The signal word **IMPORTANT** identifies procedures which must be followed to avoid damage to the machine.



The signal word **DANGER** on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.



The signal word **WARNING** on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



The signal word **CAUTION** on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

- Read and follow instructions in this manual and the machine's Operators Manual before operating.
- The manual must always remain with the machine. In case of loss or damage, request a new copy from your dealer or from Blue Diamond.
- Strictly follow all rules prescribed by the safety pictograms/decals applied to the machine. Ensure that all safety pictograms/decals are legible. If pictograms/decals are worn, they must be replaced with new ones obtained from Blue Diamond and placed in the position indicated by this manual.
- Before using the machine, make sure that all safety devices are installed and in good working conditions. In case of damage or shields, replace them immediately.
- It is absolutely forbidden to remove or alter safety devices.
- Before starting, and during operation of the attachment, clear an operation area of 10 meters in all directions. Make sure there are no people or animals in the operation area; the machine can project material from the back with risks of serious injury or death.
- Pay maximum attention to avoid any accidental contact with rotating parts of the machine.
- During operation, adjustment, maintenance, repairing, or transportation of the machine, the operator must always use appropriate Personal Protective Equipment (PPE) including but not limited to safety glasses, gloves, and hearing protection.
- Do not operate the attachment or machine while wearing loose fitting clothing that can be entangled or caught in parts of the machine.
- Do not operate the implement when tired, not in good condition, or under the influence of alcohol or drugs.

2. Safety



 **DANGER** 

 **WARNING** 

Failure to follow all safety instructions may result in serious injury or death.

2.2 Qualified Operators

Safe Operation Needs a Qualified Operator

 **DANGER** 

AVOID SERIOUS INJURY OR DEATH

Operators must receive instructions before operating the machine. Untrained operators can cause serious injury or death.

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine and the equipment.

For an operator to be qualified, he or she must have read and understood the instructions of this manual, he or she must make adequate preparation for the proper use of the machine, and he or she must hold a driving license.

In case of doubt regarding the use of the machine and/or the interpretation of this manual, the operator must contact either their dealer or Blue Diamond.

Operator Training

- Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of a Slow Moving Vehicle (SMV) emblem. Regulations may identify a hazard such as a utility line.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine safely under all conditions of the work area.

2.3 Safety Guidelines

Operating Safety

- Read and follow instructions in this manual and the machine's Operator's Manual before operating.
- Under no circumstances should young children be allowed to work with this equipment.
- This equipment is dangerous to persons unfamiliar with its operation.
- Check for overhead and / or underground lines before operating equipment (if applicable).
- In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.
- Check that the attachment is securely fastened to the machine.
- Make sure all the machine controls are in the NEUTRAL before starting the machine.
- Operate the equipment only from the operator's position.
- When learning to operate the equipment, do it at a slow rate in an area clear of bystanders.

2. Safety

2.3 Safety Guidelines Cont'd

Operating Safety Cont'd

- DO NOT permit personnel to be in the work area when operating the equipment.
- The equipment must be used ONLY on approved machines.
- DO NOT modify the equipment in any way. Unauthorized modification may impair the function and / or safety and could affect the life of the equipment.
- DO NOT make any adjustments or repairs on the equipment while the machine is running.
- Keep shields and guards in place. Replace if damaged.
- DO NOT operate equipment in poor visibility conditions such as fog, darkness, or any conditions that limit clear visibility less than 300 feet (100 m) in front of and to the sides of the equipment.
- When conditions make it necessary to slow ground speed, shift to a lower gear rather than reducing engine speed. The engine will maintain rated speed and keep cutter running at optimum cutting speed.
- DO NOT operate in a work area that has not been inspected for foreign debris and obstacles.
- Remove any foreign objects and clearly mark any objects that cannot be removed.
- Wear safety glasses, gloves, hearing protection and other protective clothing when required.

Machine Requirements and Capabilities

- The machine's operator's cab should be equipped with a thermoplastic polycarbonate or similar material front window, and similar protection on the sides of the operator's cab before operating the equipment.
- Keep bystanders clear of moving parts and the work area. Keep children away.
- Do Not exceed 3000 psi (206 bar) operating pressure.

- Use caution on slopes and near banks and ditches to prevent overturn.

Fire Prevention Safety

- Flammable debris (leaves, grass, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation.
- The equipment's hydraulic motor compartment must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.
- All fuels, most lubricants, and some coolant mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

Transporting Safety

- Comply with state and local laws governing highway safety and movement of machinery on public roads.
- Check local laws for all highway lighting and marking requirements.
- Always yield to oncoming traffic and move to the side of the road so any following traffic may pass.
- Never allow riders on either machine or equipment.
- If transporting the equipment on a truck or trailer, make sure the equipment is properly secured to the transport vehicle.

Hydraulic System

- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

3. Operation

3.1 Entering and Exiting the Prime Mover

IMPORTANT



See the machine's Operator's Manual for detailed information on operating the loader.

Entering The Operator's Position

Use the attachment safety treads, handles and steps (on the machine) to enter the operator's position.

When in the operator's position, lower safety seat bar, start the engine and release the parking brake.

Leaving The Operator's Position

WARNING

AVOID SERIOUS INJURY OR DEATH

- Always park on a flat level surface.
- Lower lift arms and place attachment flat on the ground.
- Place all controls in **NEUTRAL**.
- Engage the park brake.
- Stop the engine and remove the key.
- Wait for all moving parts to stop.

SEE MACHINE'S OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.

Park the machine/attachment on a flat level surface.

Place all controls in neutral, engage the park brake, stop the engine and wait for all moving parts to stop. Leave the operator's position.

3.2 Attachment Installation with Skid Steer

Connecting Attachment To The Machine

WARNING



CRUSH HAZARD

- Before moving the machine, look in all directions and make sure no bystanders, especially small children are in the work area.
- Do not allow anyone between the machine and attachment when approaching the attachment for connecting.
- Keep fingers and hands out of pinch points when connecting and disconnecting the attachment.

Before connecting to the attachment, inspect the machine's mounting plate. (See the machine's Operator's Manual for inspecting the mounting frame).

Enter the operator's position. See "Entering The Operator's Position" on page 9.

Drive the machine slowly forward, until the top edge of the machine's mounting plate is under the top flange of the attachment mounting frame.

Slowly tilt the machine's mounting plate back until the attachment mounting frame fully contacts the front of the machine's mounting plate.

Leave the operator's position. See "Leaving The Operator's Position" on page 9.

Slowly tilt the machine's mounting plate back until the attachment mounting frame fully contacts the front of the machine's mounting plate.

Leave the Operator's position. See "Leaving the Operator's Position" on page 9.

3. Operation

3.2 Attachment Installation with Skid Steer Cont'd

Connecting Attachment to the Machine Cont'd



WARNING



AVOID SERIOUS INJURY OR DEATH

The locking pins / wedges must extend through the holes in the attachment mounting frame. Failure to secure locking pins / wedges can allow attachment to come off.

SEE MACHINE'S OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.

Engage attachment locking levers / wedges (See the machine's Operator's Manual for detailed information).

Connecting Hydraulic Hoses



IMPORTANT



Thoroughly clean the quick couplers before making connections. Dirt can quickly damage the hydraulic system.

Remove dirt or debris from the male and female couplers. Visually inspect the couplers for corroding, cracking, damage, or excessive wear. Replace as needed.

Connect the attachment hydraulic hoses to the machine. Pull on each hose to verify full connection is made.

Disconnecting Hydraulic Hoses



WARNING



AVOID SERIOUS INJURY OR DEATH

Hydraulic fluid, tubes, fittings, and quick couplers can get hot during operation. Be careful when connecting and disconnecting hydraulic hoses.



WARNING



Leaking fluids under pressure can enter the skin and cause serious injury or death. Immediate medical attention is required. Wear goggles. Use cardboard to check for leaks.

Relieve auxiliary hydraulic pressure. (See the machine's Operator's Manual for correct procedure.)

Disconnect attachment hydraulic hoses from the machine.

Disconnecting Attachment From the Machine

Relieve auxiliary hydraulic pressure. (See the machine's Operator's Manual for correct procedure.)

Park the machine and attachment on a flat level surface. Lower the attachment flat on the ground.

Leave the operator's position. See "Leaving The Operator's Position" on page 9.

Disconnect attachment hydraulic hoses from the machine.

Disengage locking pins / wedges. (See the machine's Operator's Manual for correct procedure.)

Enter the operator's position. See "Entering The Operator's Position" on page 9.

Slowly tilt the machine's mounting plate forward until the attachment mounting frame is free from the machine's mounting plate.

Drive the machine slowly backward, away from the attachment.

3. Operation

3.3 Attachment Installation with Excavator

Connecting Attachment to the Machine



WARNING



AVOID SERIOUS INJURY OR DEATH
The locking pins must extend through the holes in the attachment mounting frame. Failure to secure locking pins can allow attachment to come off.
SEE MACHINE'S OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.

Order the appropriate bracket interchange from your local Blue Diamond® Attachments dealer by supplying the brand and model information of your machine.

The bracket interchange is secured to the attachment with bolts.

Use an appropriate lifting device and slings to place the bracket interchange onto the attachment.

Align the holes between the bracket interchange and deck and install the appropriate hardware.

Torque hardware to the specification detailed in the "Specifications" section on page XX.

Position the excavator at the rear of the attachment.

Extend the tool cylinder and paddle until the pin position is aligned.

Leave the operator's position. See "Leaving the Operator's Position" on page 9.

Install the pin through the attachment and paddle and secure with appropriate hardware.

Enter the operator's position. See "Entering the Operator's Position" on page 9.

Adjust the height of the dipperstick to align with the pin position.

Leave the operator's position. See "Leaving the Operator's Position" on page 9.

Install the pin through the attachment and paddle and secure with appropriate hardware.

Connecting Hydraulic Hoses



IMPORTANT



Thoroughly clean the quick couplers before making connections. Dirt can quickly damage the hydraulic system.

Remove dirt or debris from the male and female couplers. Visually inspect the couplers for corroding, cracking, damage, or excessive wear. Replace as needed.

Connect the attachment hydraulic hoses to the machine. Pull on each hose to verify full connection is made.

Disconnecting Hydraulic Hoses



WARNING



AVOID SERIOUS INJURY OR DEATH
Hydraulic fluid, tubes, fittings, and quick couplers can get hot during operation. Be careful when connecting and disconnecting hydraulic hoses.



WARNING



Leaking fluids under pressure can enter the skin and cause serious injury or death. Immediate medical attention is required. Wear goggles. Use cardboard to check for leaks.

Relieve auxiliary hydraulic pressure. (See the machine's Operator's Manual for correct procedure).

Disconnect attachment hydraulic hoses from the machine.

3. Operation

3.3 Attachment Installation with Excavator Cont'd

Disconnecting Attachment From the Machine

Relieve auxiliary hydraulic pressure. (See the machine's Operator's Manual for correct procedure.)

Park the machine and attachment on a flat level surface. Lower the attachment flat on the ground.

Leave the operator's position. See "Leaving The Operator's Position" on page 9.

Disconnect attachment hydraulic hoses from the machine.

Remove hardware securing the pins and remove the pins from the paddle and attachment.

Enter the operator's position. See "Entering The Operator's Position" on page 9.

Raise the dipperstick to clear the attachment.

Drive the machine slowly backward, away from the attachment.

3. Operation

3.4 Operating the Attachment

General Operation Guidelines

- The screening bucket should only be lifted or moved by the mounting bracket securely attached to the machine.
- The screening bucket must be placed on firm and level ground when it is detached from the machine.
- Never stand or walk under a suspended load.
- When transporting the screening bucket, adhere to all local and national regulations of the country in which the screening bucket is being transported in.

Operating Instructions

The Screening Bucket is designed as a re-handling bucket only for the screening, aeration, and mixing of non-hazardous, pre-dug material. It is not to be used as a primary digging bucket for use in contaminated areas.

The material to be screened should be loaded into the screening bucket in the same manner as a standard excavator or skid steer bucket. Once the bucket has been loaded with material to be screened and positioned, the prime mover's auxiliary hydraulic circuit is activated causing the star rotors to turn in an upwards direction.

Rotor Direction

Ensure that the rotor direction is correct or serious damage can occur [Figure 1]

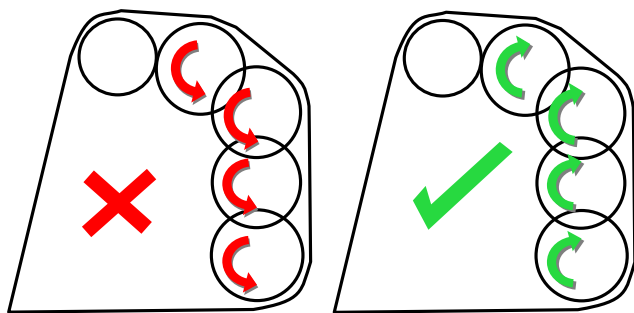


Figure 1

Operation Angle

Keep the screening bucket at the appropriate angle for maximum performance [Figure 2]

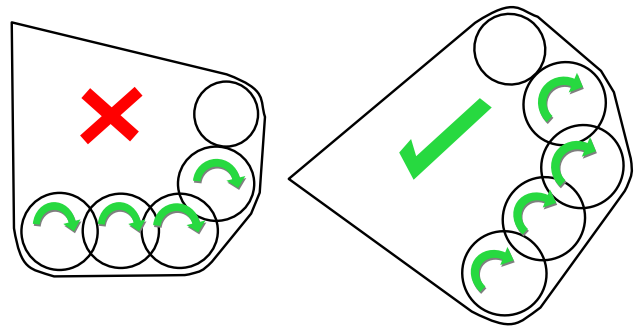


Figure 2

Material Handling

Do not overfill the screening bucket as this will reduce the performance of the screening process and can damage your screening bucket [Figure 3].

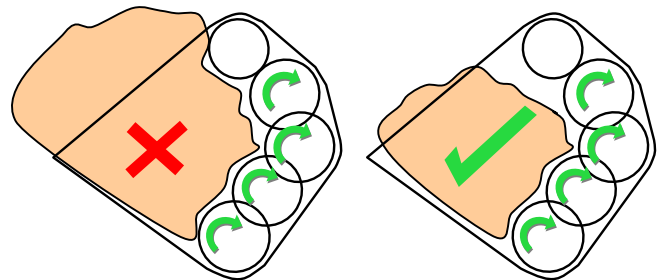


Figure 3

The screening bucket's efficient screening process is created by the star rotors rotating the pre-screened material in the bucket, agitating the pre-screened material allowing fine material to flow through the rotating stars leaving oversized/larger material in the bucket to be dumped out [Figure 4].

The less material in your screening bucket means more production.

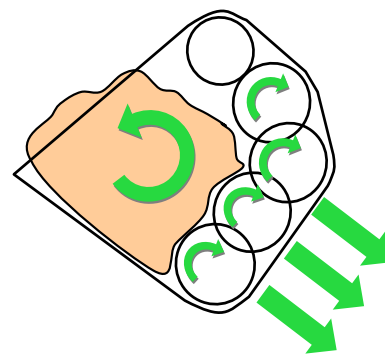


Figure 4

4. Maintenance

4.1 Maintenance Safety



WARNING



AVOID SERIOUS INJURY OR DEATH

Never operate the machine in a closed building. Proper ventilation is required when operating the machine under all circumstances.

- Always keep the work area clean and dry.
- Always use personal protective equipment (PPE) such as eye, hand, and hearing protection when performing any service or maintenance.
- A fire extinguisher and first aid kit should be readily accessible while performing maintenance on this machine.
- Before working or doing maintenance on this machine, shut off the engine and remove the key. Make sure the machine's wheels are blocked.
- Never work under the machine or attachment unless the machine or equipment is blocked or supported securely.
- Disconnect the battery (both terminals) before welding on any part of the machine. Failure to do so may cause damage to electrical components.
- When working around batteries, remember that all of the exposed metal parts are "live". Never lay a metal object across the terminals because a spark, short circuit, explosion, or personal injury may result.
- Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.
- Always relieve hydraulic system pressure before repairing, adjusting, or disconnecting. Never search for leaks with your hands. (See "Disconnecting Hydraulic Hoses" on page 10).
- When replacement parts are necessary, genuine factory replacement parts must be used to restore your equipment to original specifications. Blue Diamond® will not be responsible for injuries or damaged caused by use of unapproved parts and/or accessories.

- When completing service or maintenance on this machine, make sure all shields and guards are installed before placing the machine into service.

4.2 General Maintenance



WARNING



AVOID SERIOUS INJURY OR DEATH

Before operating or servicing system: Read and understand the machine's owners manual. Follow the warnings and instructions in the manual when making repairs, adjustments, or servicing. Check for correct function after adjustments, repairs, or service. Untrained operators and failure to follow instructions can cause injury or death.

To ensure efficient operation, you should inspect, lubricate, and make necessary adjustments and repairs at regular intervals. Keep good maintenance records and adequately clean your machine after each use.

4. Maintenance

4.2 General Maintenance Cont'd

Daily Inspection

	ITEMS
✓	All components and hardware to ensure equipment is secure and thoroughly tightened.
✓	Frame and all welds for cracks or damage.
✓	Mounting frame for proper operation and signs of damage or unusual wear.
✓	Remove any material wrapped around the flexi-star rotor shafts.
✓	Hydraulic hoses and fittings for wear, damage, or leaks.

NOTE: Repair or replace any damaged parts.

NOTE: After initial use, or repair/replacement of damaged parts, it is important to check the repaired or replaced parts for proper bolt torque and operation.

Monthly Inspection

	ITEMS
✓	Check the flexi-star rotor bearings for wear and replace if necessary.
✓	Check rotors for damaged flexi-stars and replace if necessary.

4.3 Flexi-Star Replacement



WARNING



AVOID SERIOUS INJURY OR DEATH

Before servicing the attachment:

- Always park on a flat level surface.
- Lower lift arms and place attachment flat on the ground.
- Place all controls in **NEUTRAL**.
- Engage the park brake.
- Wait for all moving parts to stop.
- Stop the engine and remove the key.

SEE MACHINE OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.

Before commencing flexi-star replacement, ensure the Screening Bucket is on a flat level surface.

Remove both driveline covers. Remove the carbon chain belt and drive wheel by releasing the carbon chain belt adjuster of the intended rotor.

Support the flexi-star rotor and remove both rotor support bearing fixings. With the rotor supported, pull both stub shaft assemblies complete with bearings out from the rotor shaft.

Slide the flexi-star discs from square section shaft observing the stagger pattern.

To re-assemble, repeat the above instructions in reverse.

4. Maintenance

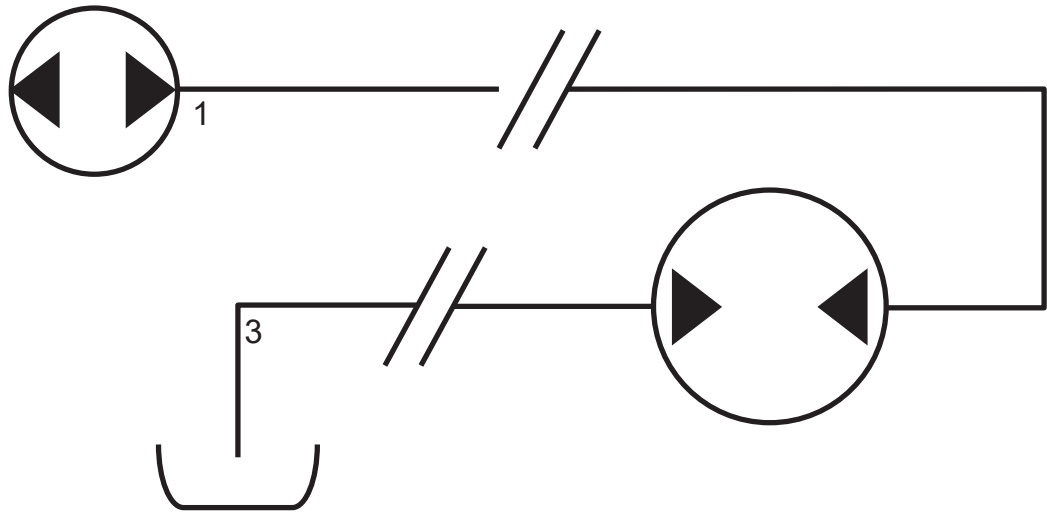
4.4 Troubleshooting

PROBLEM	CAUSE	SOLUTION
Rotors do not rotate when carrier hydraulic circuit is activated.	Prime mover's hydraulic circuit loaded incorrectly.	Follow the appropriate diagram in section 5.1 Hydraulic Circuits beginning on page 15.
	QRC couplers are fitted incorrectly.	Connect, repair, or replace the QRC couplings correctly.
	Screening bucket is overloaded.	Dump out some material or contact your Blue Diamond® dealer for more assistance.
	If only the top rotor rotates, the prime mover's hydraulic circuit may be loaded incorrectly.	Follow the appropriate diagram in section 5.1 Hydraulic Circuits beginning on page 15.
	Motor shaft couplings are defective.	Replace couplings. Contact your Blue Diamond® dealer for more assistance.
	Hydraulic motor is defective.	Replace the hydraulic motor. Contact your Blue Diamond® dealer for more assistance.
	Carbon belt may be broken.	Replace broken or damaged carbon belt. Contact your Blue Diamond® dealer for more assistance.
	Carbon belt slipping.	Check the Rosta Belt Adjuster Unit. Contact your Blue Diamond® dealer for more assistance.
	Rotor stub shaft failed.	Replace the broken or damaged stub shaft. Contact your Blue Diamond® dealer for more assistance.

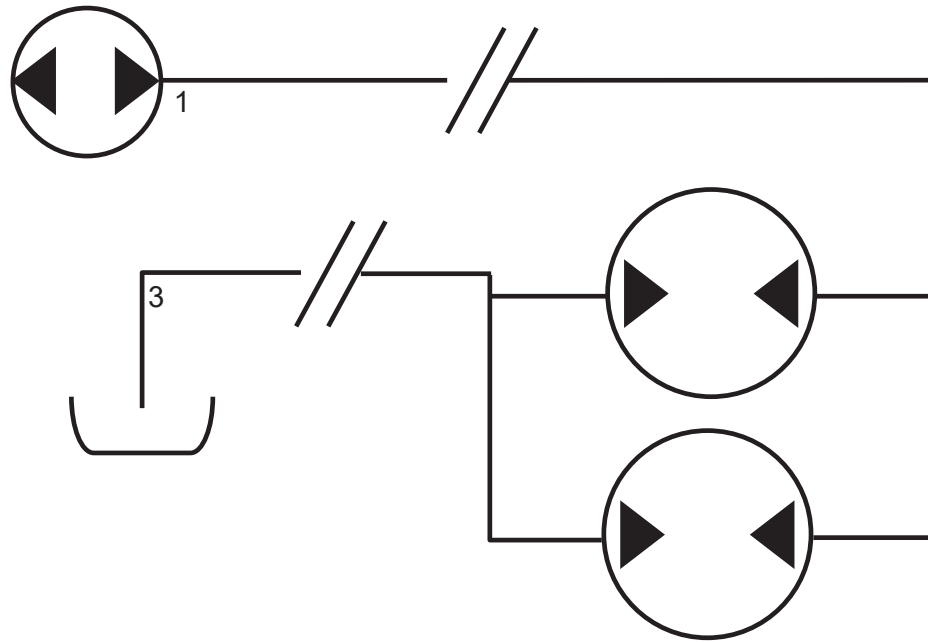
5. Hydraulic Circuits and Drill Patterns

5.1 Hydraulic Circuits

HYDRAULIC
CIRCUITS
FOR 145110

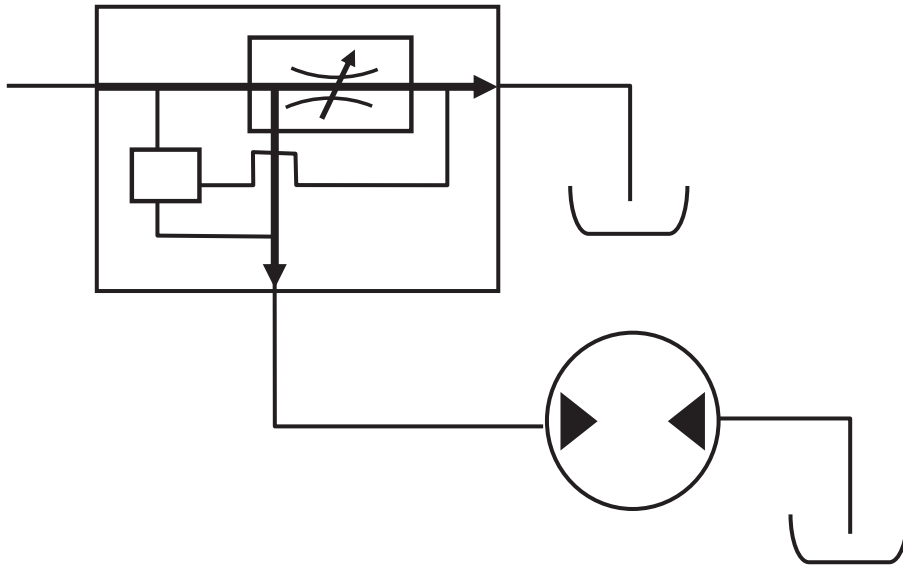


HYDRAULIC
CIRCUITS FOR
145115, 145117, &
145120

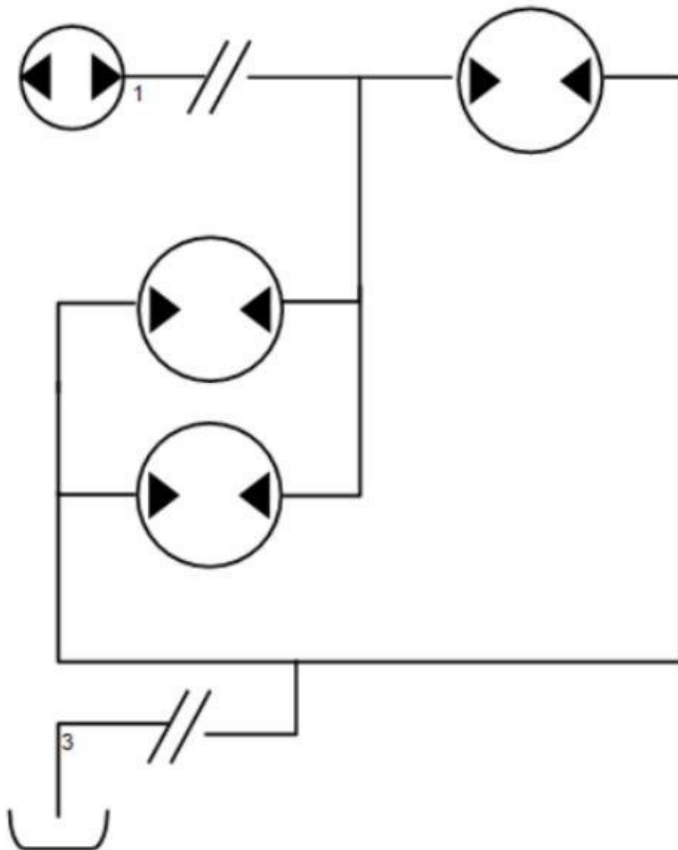


5. Hydraulic Circuits and Drill Patterns

5.1 Hydraulic Circuits



HYDRAULIC
CIRCUITS
FOR 145010
& 145015

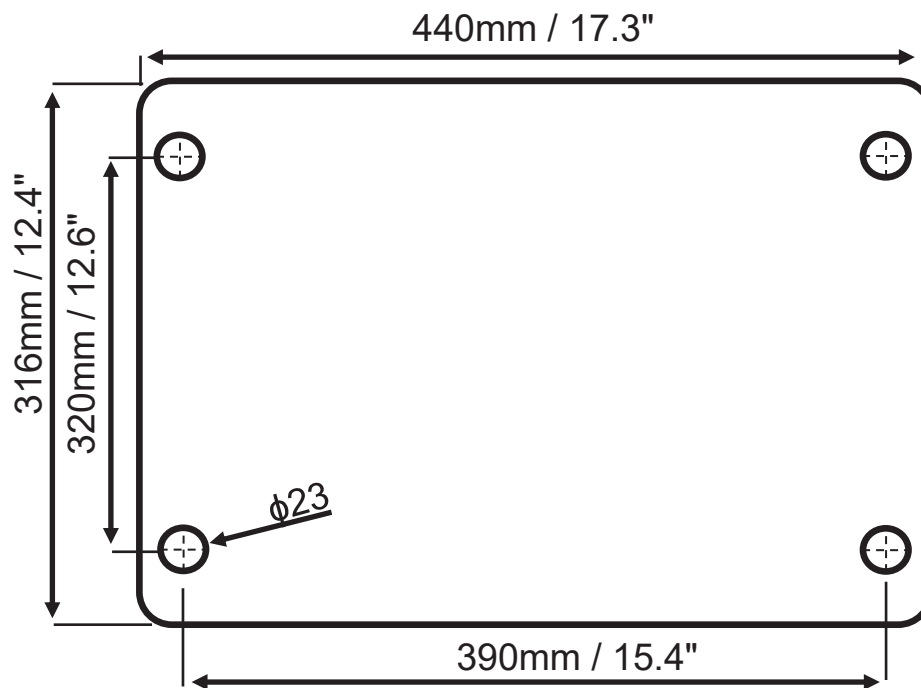


HYDRAULIC
CIRCUITS
FOR 145135

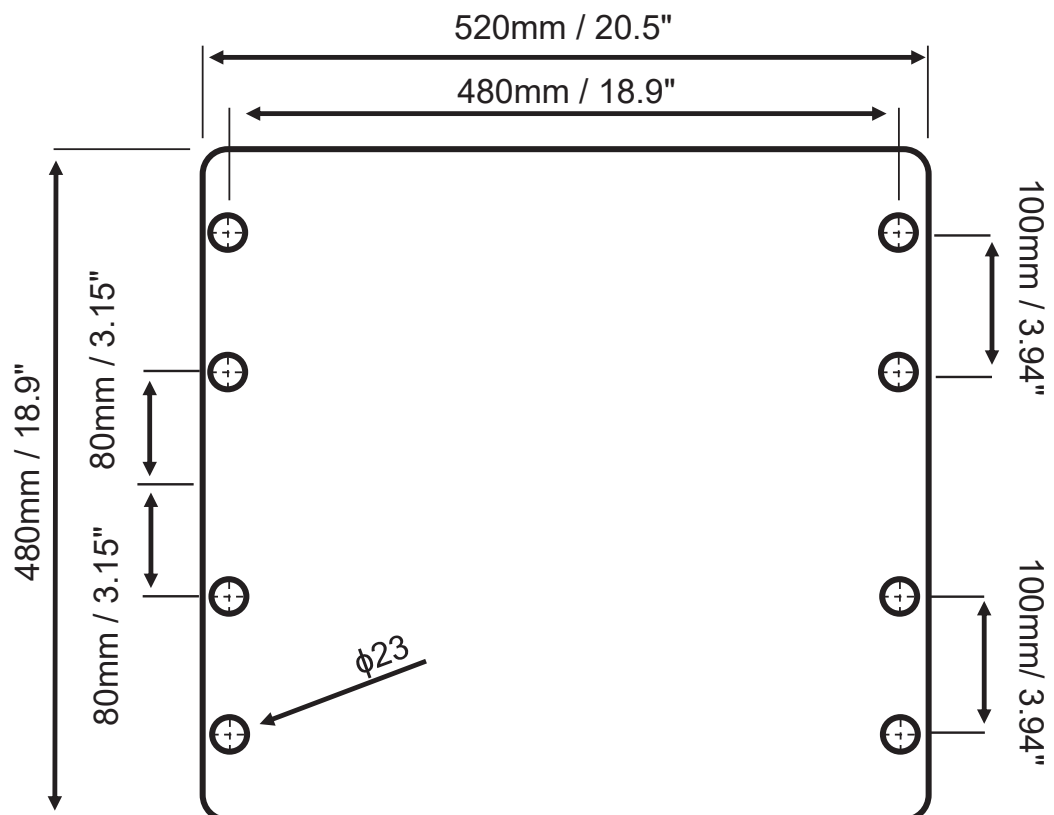
5. Hydraulic Circuits and Drill Patterns

5.2 Drill Pattern

DRILL
PATTERN
FOR 145110



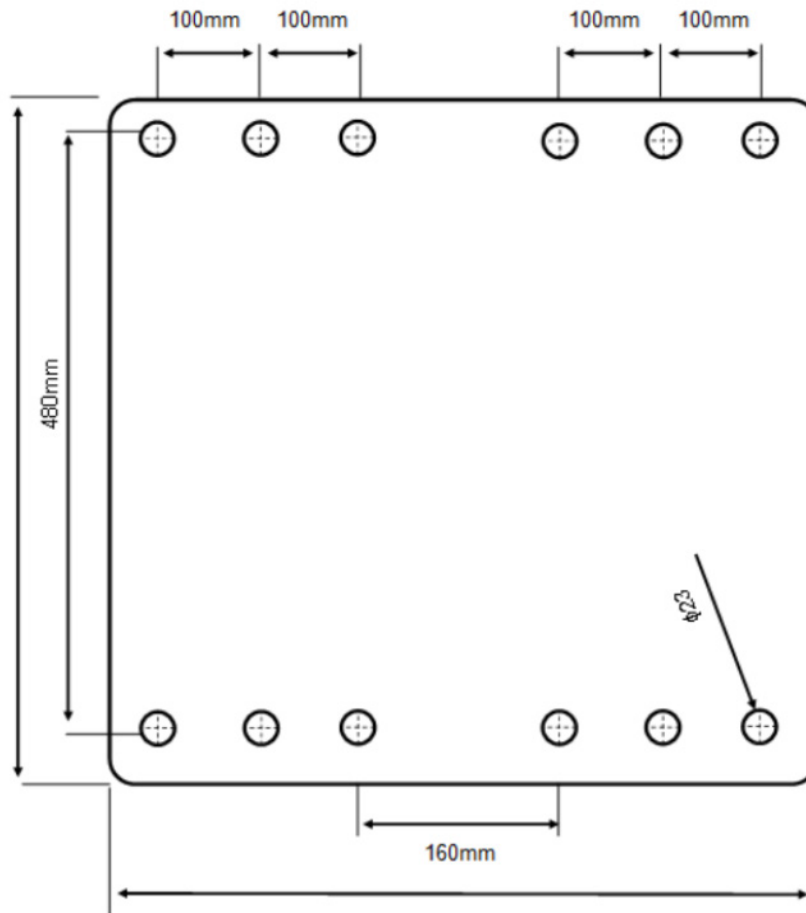
DRILL PATTERN
FOR 145010,
145015, 145115,
145117, & 145120



5. Hydraulic Circuits and Drill Patterns

5.2 Drill Pattern

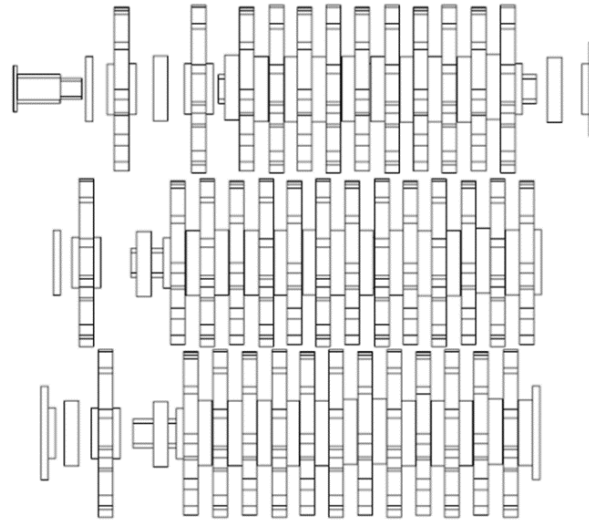
DRILL PATTERN
FOR 145135



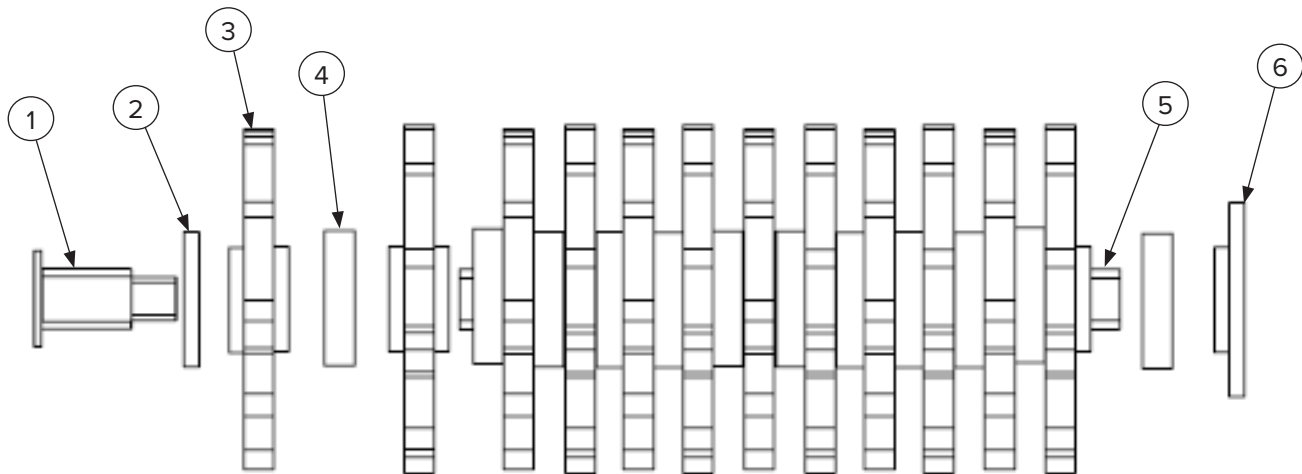
6. Part Breakdowns for 145010, 145015, & 145110

6.1 Rotor Group & Assembly

Rotor Group Overview



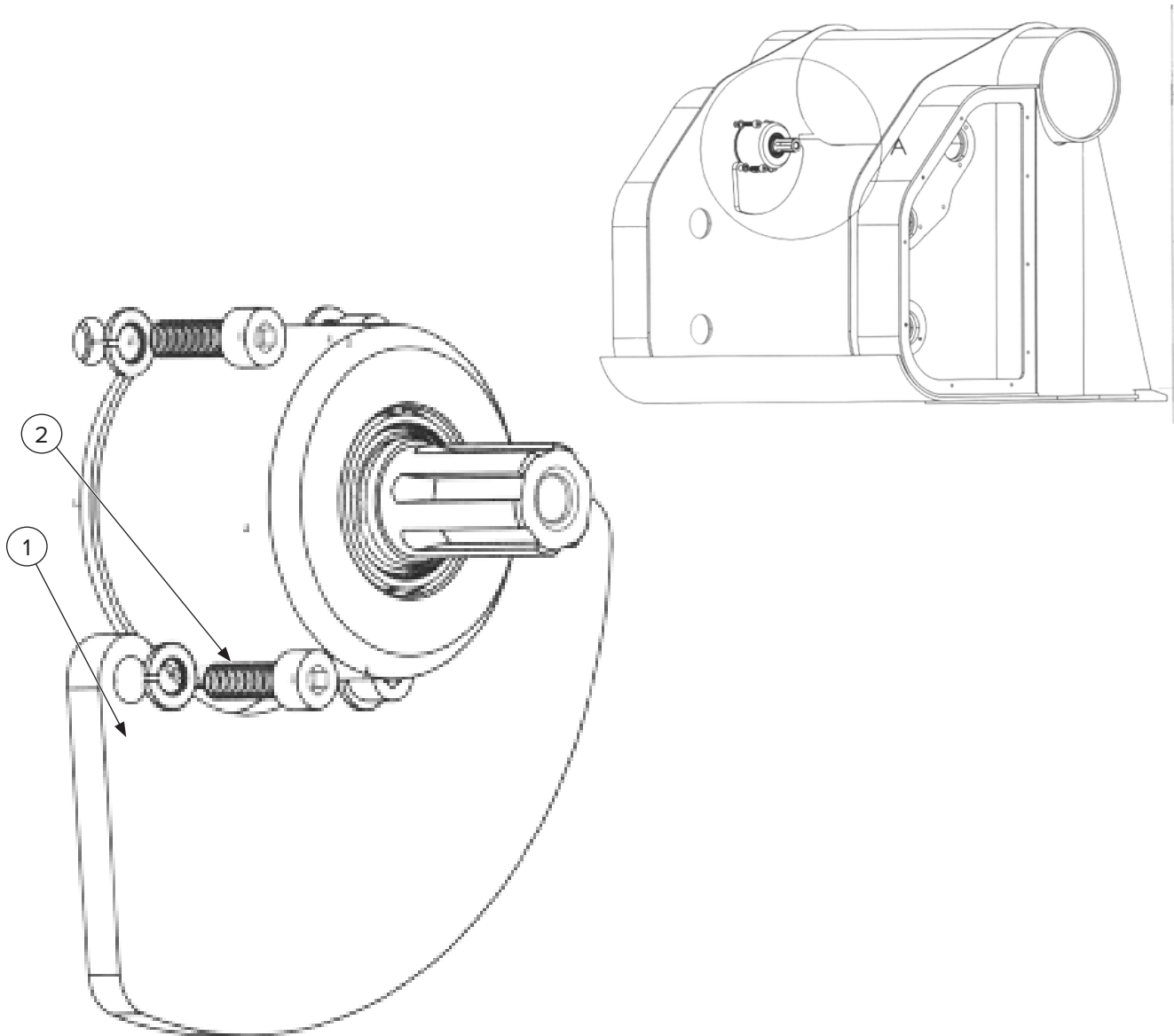
Rotor Group Top Shaft



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	02-50262	SAE Splined Drive Coupling (STD)	1	—	—
	02-33888	SAE Splined Drive Coupling (HD)	—	1	1
2	03-99135	Nylon Locking Ring 90mm OD	1	1	1
3	03-80833	Poly-Star (230mm Ten Finger) Blue	18	28	36
4	03-86116	20mm Locking Ring	18	28	36
5	03-6789	Rotor Shaft 145110 (Motor Pick-up)	1	—	—
	03-30563	Rotor Shaft 145010 (Motor Pick-up)	—	1	—
	03-53331	Rotor Shaft 145015 (Motor Pick-up)	—	—	1
6	03-92358	20mm End Cap	1	1	1

6. Part Breakdowns for 145010, 145015, & 145110

6.1 Rotor Group & Assembly Cont'd For 2024 Models

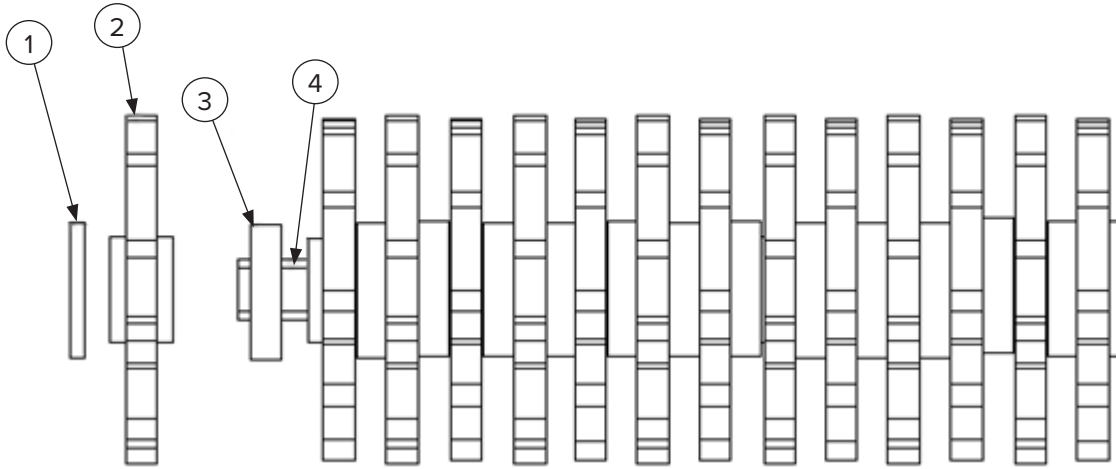


ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	05-94470	End Spacer 3 Rotor	1	1	1
2	06-38462	M10 x 35mm Socket Cap Screw	2	2	2

Note: M10 x 35mm Socket Cap Screws replace two (2) of the M10 x 30mm Socket Cap Screws used previously.

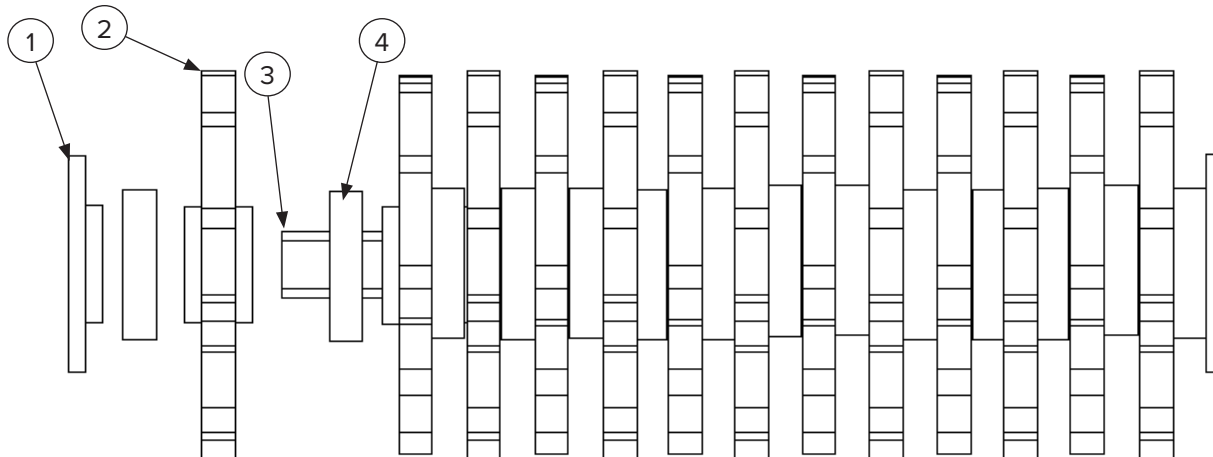
6. Part Breakdowns for 145010, 145015, & 145110

6.1 Rotor Group and Assembly Cont'd



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	03-99135	Nylon Locking Ring 90mm OD	2	2	2
2	03-80833	Poly-Star (230mm Ten Finger) Blue	20	30	38
3	03-86116	20mm Locking Ring	19	29	37
4	03-10974	Rotor Shaft 145110	1	—	—
	03-97866	Rotor Shaft 145010	—	1	—
	03-66775	Rotor Shaft 145015	—	—	1

Rotor Group Middle Shaft



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	03-92358	20mm End Cap	2	2	2
2	03-80833	Poly-Star (230mm Ten Finger) Blue	19	29	37
3	03-10974	Rotor Shaft 145110	1	—	—
	03-97866	Rotor Shaft 145010	—	1	—
	03-66775	Rotor Shaft 145015	—	—	1
4	03-86116	20mm Locking Ring	20	30	38

6. Part Breakdowns for 145010, 145015, & 145110

6.1 Rotor Group and Assembly Cont'd

Rotor Assembly – 145110

PART NUMBER	DESCRIPTION	QTY	NOTES
03-32163	Complete Rotor Assembly for 145110	1	Consists of: 03-44726 QTY 1 03-44276 QTY 1 03-44267 QTY 1
03-44726	145110 Driven Top Shaft	1	—
03-44276	145110 Non-Driven Middle Shaft	1	—
03-44267	145110 Non-Driven Lower Shaft	1	—

Rotor Assembly – 145010

PART NUMBER	DESCRIPTION	QTY	NOTES
03-40905	Complete Rotor Assembly 145010	1	Consists of: 03-47642 QTY 1 03-47462 QTY 1 03-47246 QTY 1
03-47642	145010 Driven Top Shaft	1	—
03-47462	145010 Non-Driven Middle Shaft	1	—
0347246	145010 Non-Driven Lower Shaft	1	—

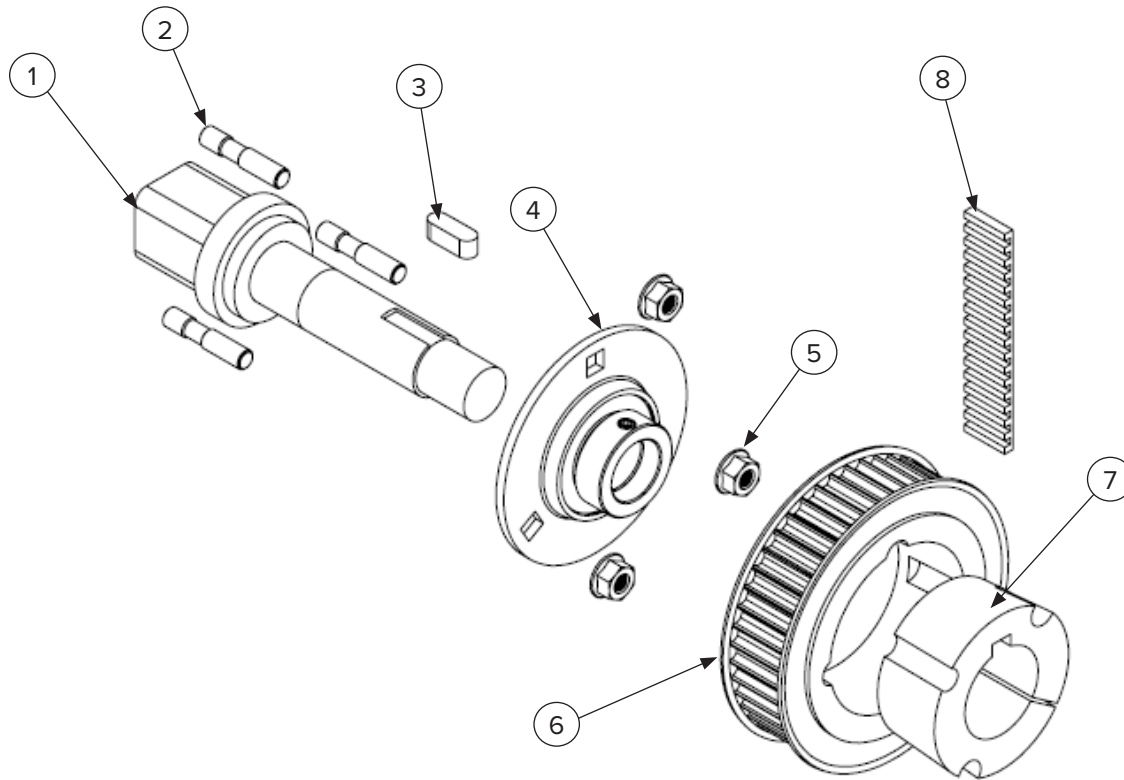
Rotor Assembly – 145015

PART NUMBER	DESCRIPTION	QTY	NOTES
03-48219	Complete Rotor Assembly 145015	1	Consists of: 03-16104 QTY 1 03-16041 QTY 1 03-16403 QTY 1
03-16104	145015 Driven Top Shaft	1	—
03-16041	145015 Non-Driven Middle Shaft	1	—
03-16403	145015 Non-Driven Lower Shaft	1	—

6. Part Breakdowns for 145010, 145015, & 145110

6.2 Shaft Assemblies

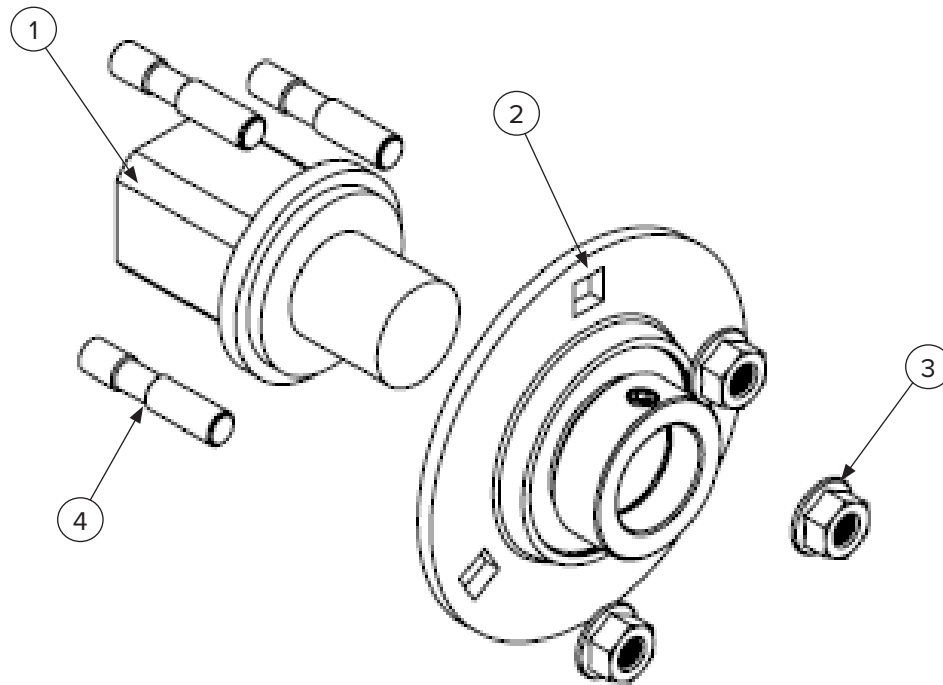
Keyed Shaft



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	02-77581	Keyed Shaft	4	—	—
	02-71524		—	4	4
2	06-44972	M8 X 25mm Stud	12	12	12
3	02-62292	Key	4	4	4
4	02-26057	Bearing SLFE25C99	4	4	4
5	06-95773	M8 Flange Nut	12	12	12
6	02-91304	Carbon Belt Pulley (8MDC21TB45)	4	—	—
	02-45078	Carbon Belt Pulley (8MDC3645)	—	4	4
7	02-14066	Taper Bush	4	4	4
8	02-63027	Carbon Belt (8MDC-21)	2	—	—
	02-28566	Carbon Belt (8MDC-37)	—	2	2

6. Part Breakdowns for 145010, 145015, & 145110

6.2 Shaft Assemblies Cont'd Stub Shaft

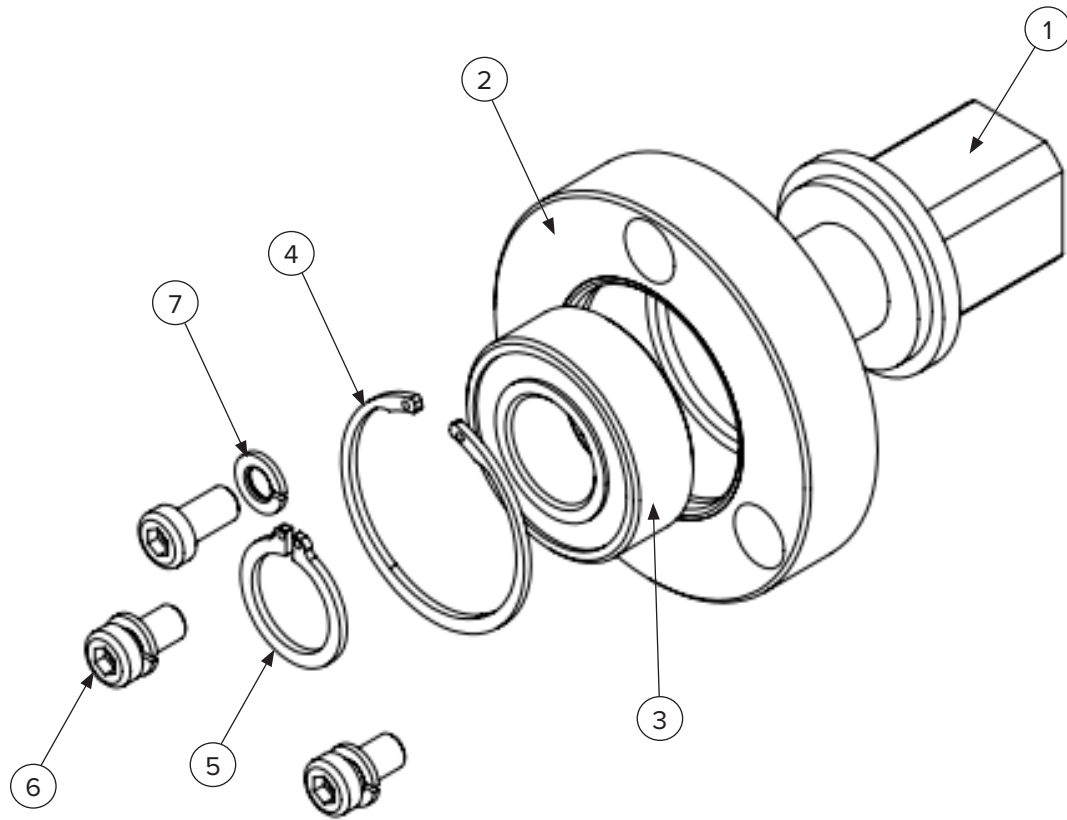


ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	02-96405	Short Stub Shaft	1	—	—
	02-77903		—	1	1
2	02-26057	Bearing SFLE25C99 with Housing	1	1	1
3	06-95773	M8 Flange Nut	3	3	3
4	06-44972	M8 X 25mm Stud	3	3	3

6. Part Breakdowns for 145010, 145015, & 145110

6.2 Shaft Assemblies Cont'd

Stub Shaft – 2024 145015 Models Only



ITEM	PART NUMBER	DESCRIPTION	145015
1	02-59183	Short Stub Shaft 3 & 4 Rotor	1
2	02-40685	Bearing Housing	1
3	02-56867	32052RS Bearing	1
4	02-66289	Circlip D1360 – 52mm	1
5	06-66588	M8 Spring Washer	3
6	06-20616	M8 x 16 Socket Cap Screw	3
7	02-61562	Circlip D1460 – 25mm	1

Note: The new stub shaft assembly can be fitting into all pre-2024 models with no other modifications required.

6. Part Breakdowns for 145010, 145015, & 145110

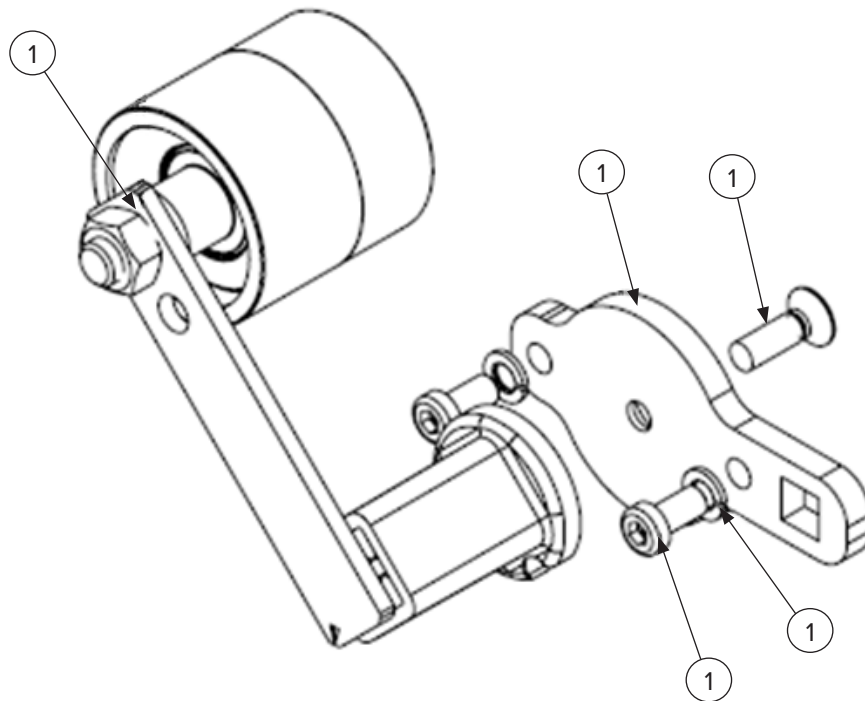
6.2 Shaft Assemblies Cont'd

Shaft Assembly

PART NUMBER	DESCRIPTION	QTY	NOTES
02-27799	Keyed Shaft Assembly 145110	1	Consists of: 02-77581 QTY 1 02-26057 QTY 1
02-77581	Keyed Shaft	1	—
02-26057	Bearing SLFE25C99 with Housing	1	—
02-29021	Keyed Shaft Assembly 145010 & 145015	1	Consists of: 02-71524 QTY 1 02-26057 QTY 1
02-71524	Keyed Shaft	1	—
02-26057	Bearing SLFE25C99 with Housing	1	—
02-96187	Short Stub Shaft Assembly 145110	1	Consists of: 02-96405 QTY 1 02-26057 QTY 1
02-96405	Short Stub Shaft	1	—
02-26057	Bearing SLFE25C99 with Housing	1	—
02-97603	Short Stub Shaft Assembly 145010	1	Consists of: 02-77903 QTY 1 02-26057 QTY 1
02-77903	Short Stub Shaft	1	—
02-26057	Bearing SLFE25C99	1	—
02-48267	Bearing Unit 3 & 4 Rotor Models 145015	1	—

6. Part Breakdowns for 145010, 145015, & 145110

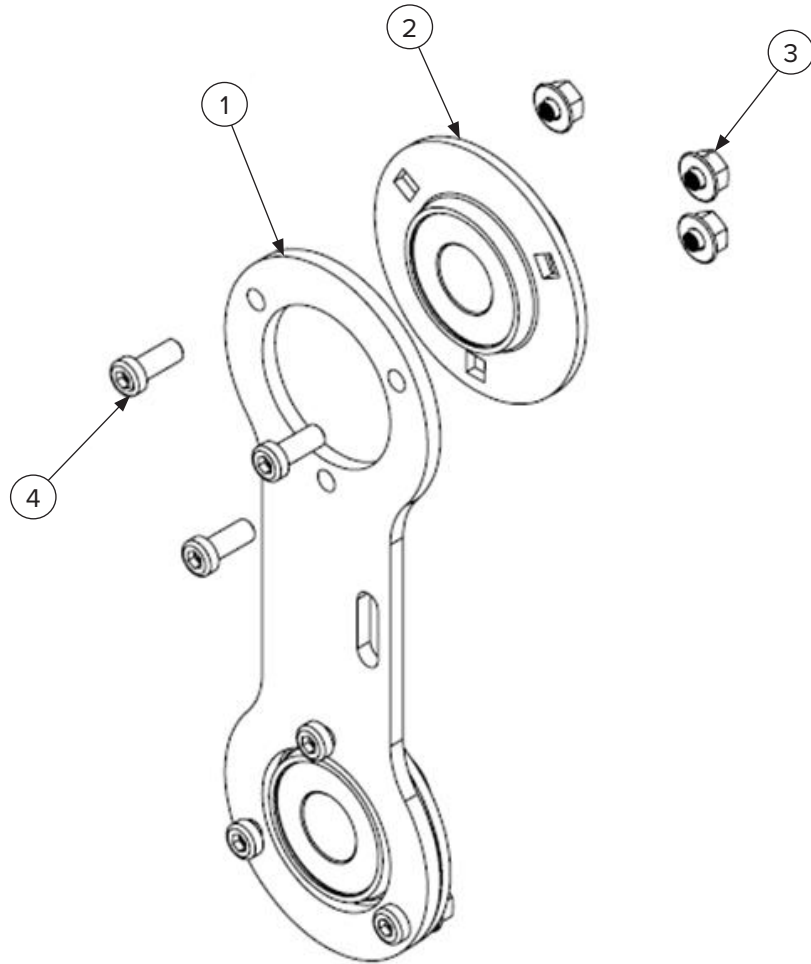
6.3 Subassemblies Belt Adjuster



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	02-79369	Rosta Belt Adjuster	2	2	2
2	02-72480	Belt Adjuster Plate	2	2	2
3	06-45595	M8 X 25mm SS Socket Countersunk Screw	2	2	2
4	06-66588	M8 Spring Washer	4	4	4
5	06-20616	M8 X 16mm Socket Cap Screw	4	4	4

6. Part Breakdowns for 145010, 145015, & 145110

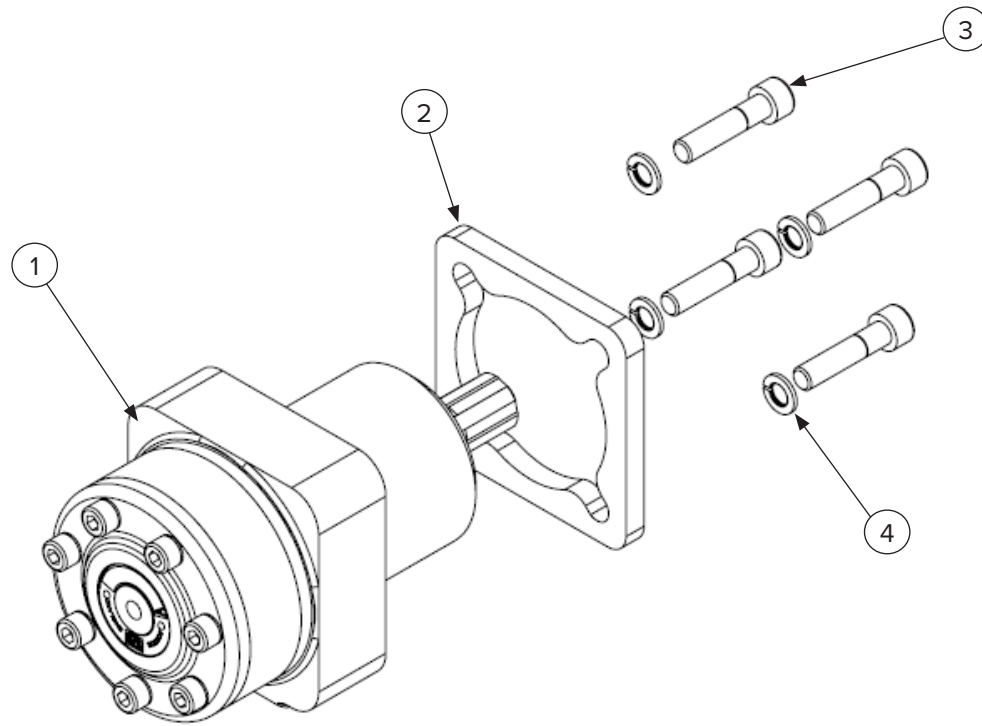
6.3 Subassemblies Cont'd Bearing Support Plate



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	02-55196	Bearing Support Plate 3 Rotor	2	2	2
2	02-45008	Bearing SLFE7/8C99	4	4	4
3	06-95773	M8 Flange Nut	12	12	12
4	06-24550	M8 X 20mm Socket Cap Screw	12	12	12

6. Part Breakdowns for 145010, 145015, & 145110

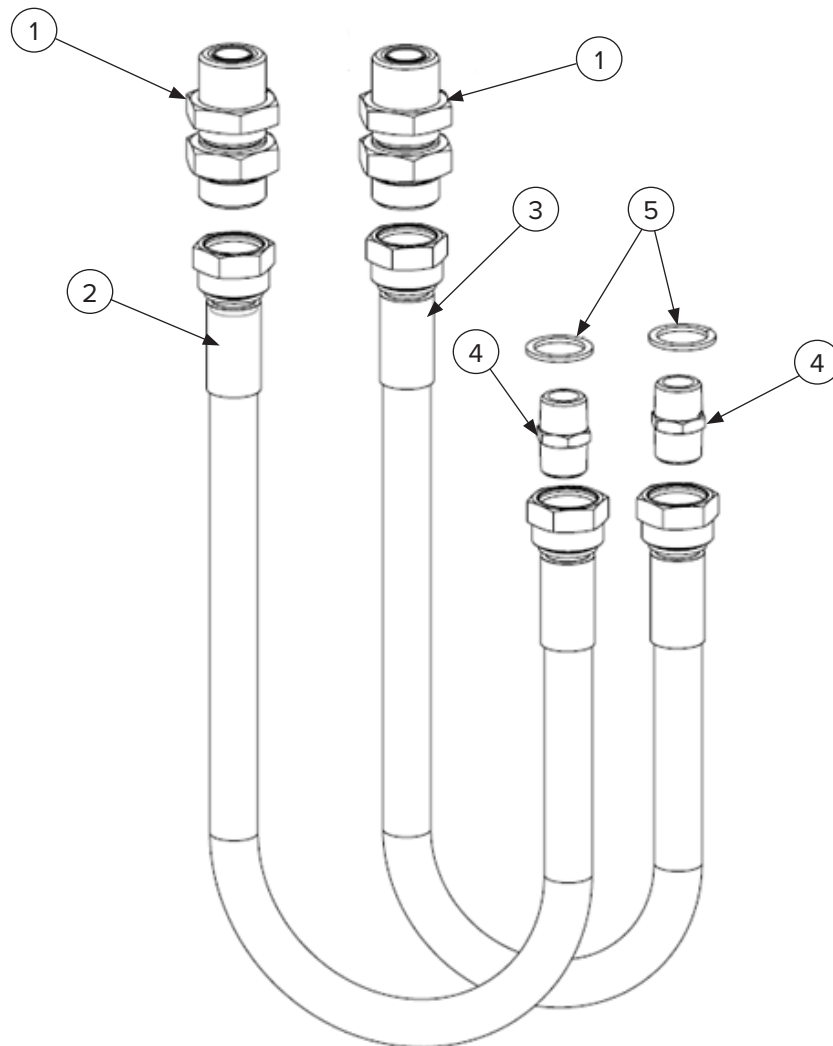
6.3 Subassemblies Cont'd Motor Assembly



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	04-22223	MR Motor 125cc Wheel Mount	1	—	—
	04-66620	MR Motor 160cc Wheel Mount	—	1	—
	04-62823	MR Motor 200cc Wheel Mount	—	—	1
2	04-74053	5mm Motor Spacer Plate	1	1	1
3	06-81127	M10 X 30 Socket Cap Screw	4	4	4
4	06-23107	M10 Spring Washer	4	4	4

6. Part Breakdowns for 145010, 145015, & 145110

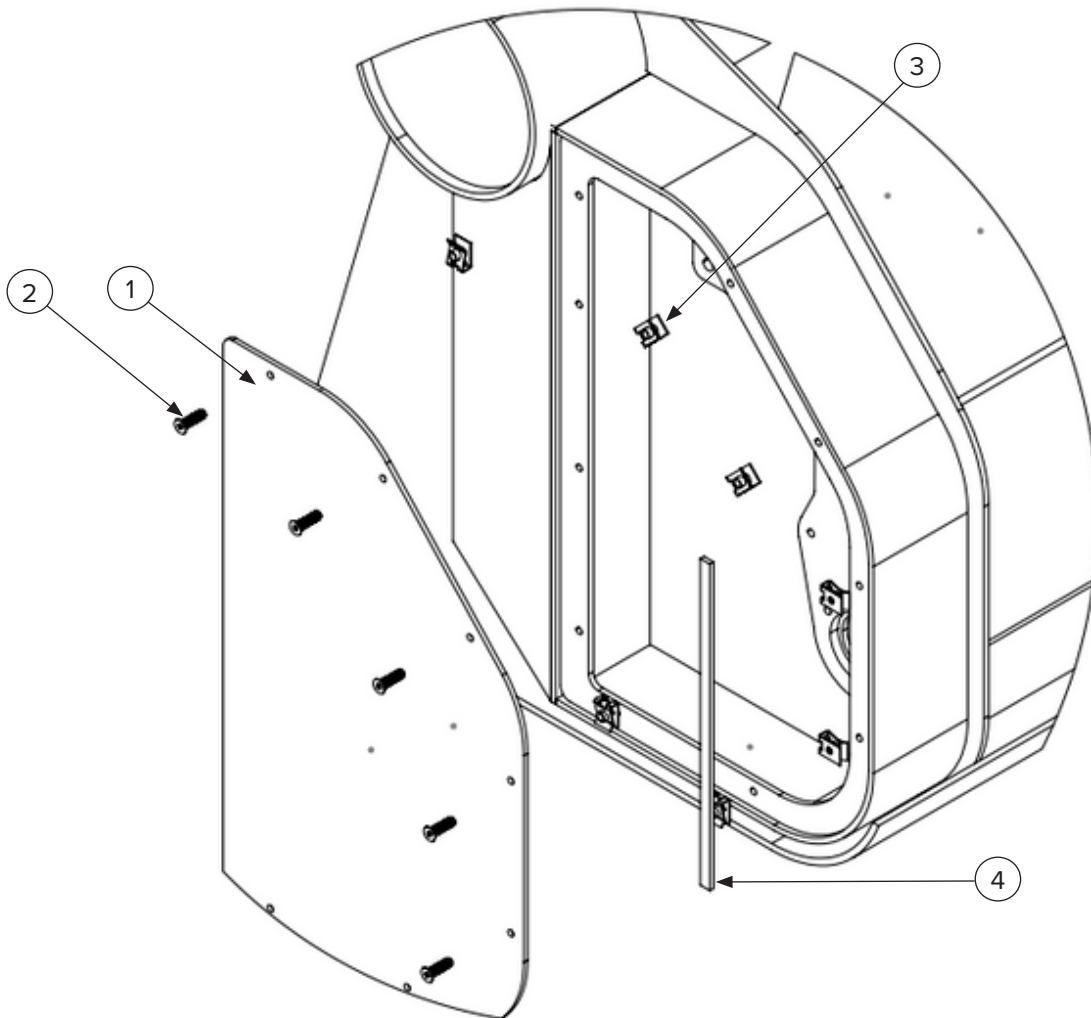
6.3 Subassemblies Cont'd Hose Group



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	04-53778	Bulkhead Fitting 7/8" JIC	2	2	2
2	04-91299	Supply Hose JIC 3 Rotor	1	1	1
3	04-32379	Return Hose JIC 3 Rotor	1	1	1
4	04-42385	7/8" JIC — 1/2 BSP MM Adapter	2	2	2
5	04-46759	Bonded Seal 1/2"	2	2	2

6. Part Breakdowns for 145010, 145015, & 145110

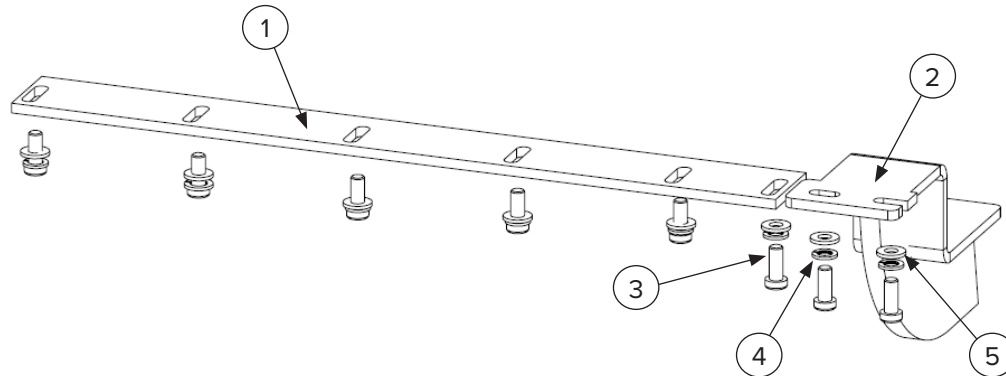
6.4 Subassemblies Cont'd Door Assembly for 2024 Models



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	01-46738	Door Cover (Left)	1	1	1
	01-34567	Door Cover (Right)	1	1	1
2	06-57851	M6 X 25mm Socket Counter Screw	14	14	14
3	06-87811	M6 Speed Nut	14	14	14
4	07-89732	Self Adhesive Seal (1 metre length)	3	3	3

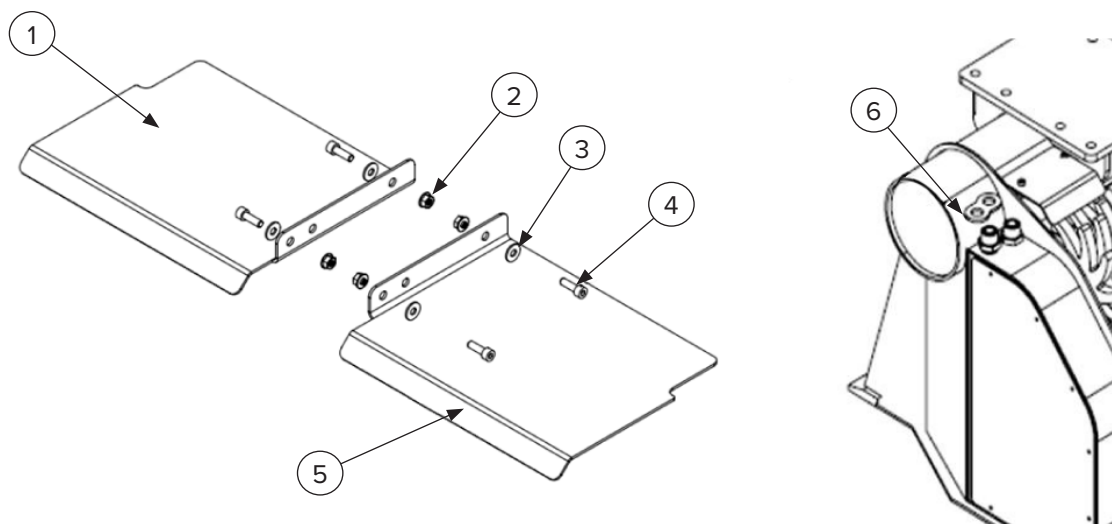
6. Part Breakdowns for 145010, 145015, & 145110

6.4 Subassemblies Cont'd Stripper Plate & Motor Protection Plate



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	05-51285	Stripper Plate 145110	1	—	—
	05-23800	Stripper Plate 145010	—	1	—
	05-9355	Stripper Plate 145015	—	—	1
2	05-94464	Motor Protection Plate	1	1	1
3	06-24550	M8 X 20mm Socket Cap Screw	10	14	17
4	06-66588	M8 Spring Washer	10	14	17
5	06-44950	M8 Flat Washer	10	14	17

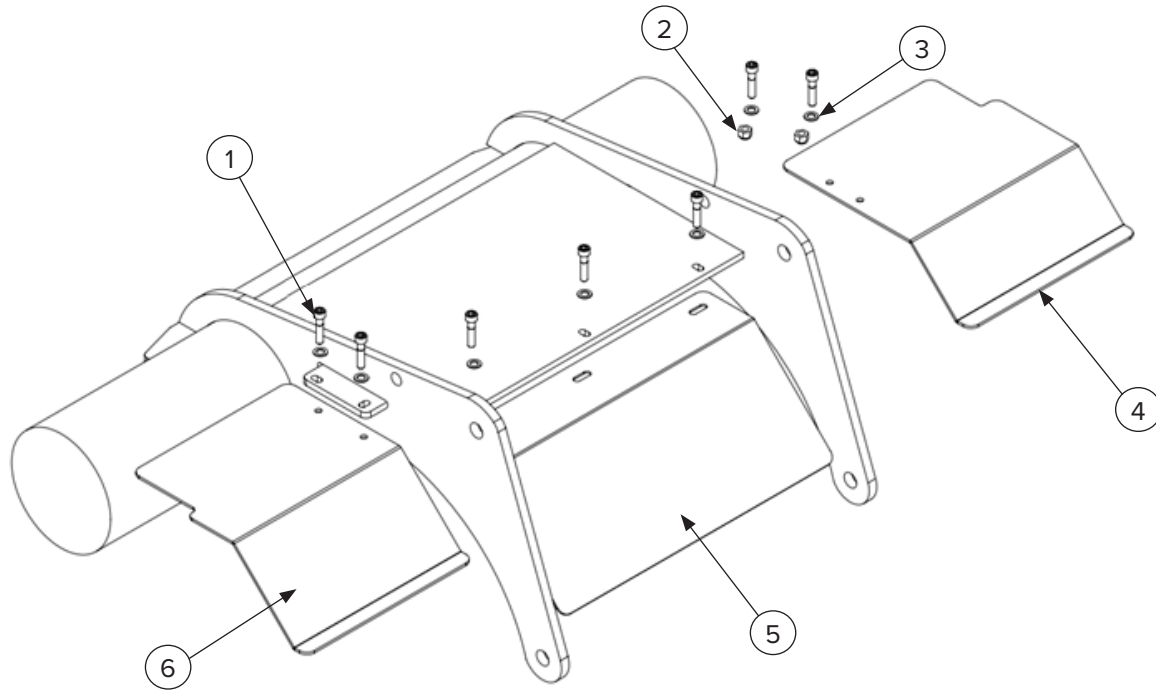
Accessories & Stone Guards



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	05-50597	Stone Guard 145110 (Left)	1	—	—
2	06-18546	M10 Nyloc Nut	4	—	—
3	06-83734	Flat Washer S10	4	—	—
4	06-81127	M10 X 30mm Socket Cap Screw	4	—	—
5	05-92784	Stone Guard 145110 (Right)	1	—	—
6	01-37380	Hose Plate	1	1	1

6. Part Breakdowns for 145010, 145015, & 145110

6.4 Subassemblies Cont'd Accessories & Stone Guards Cont'd

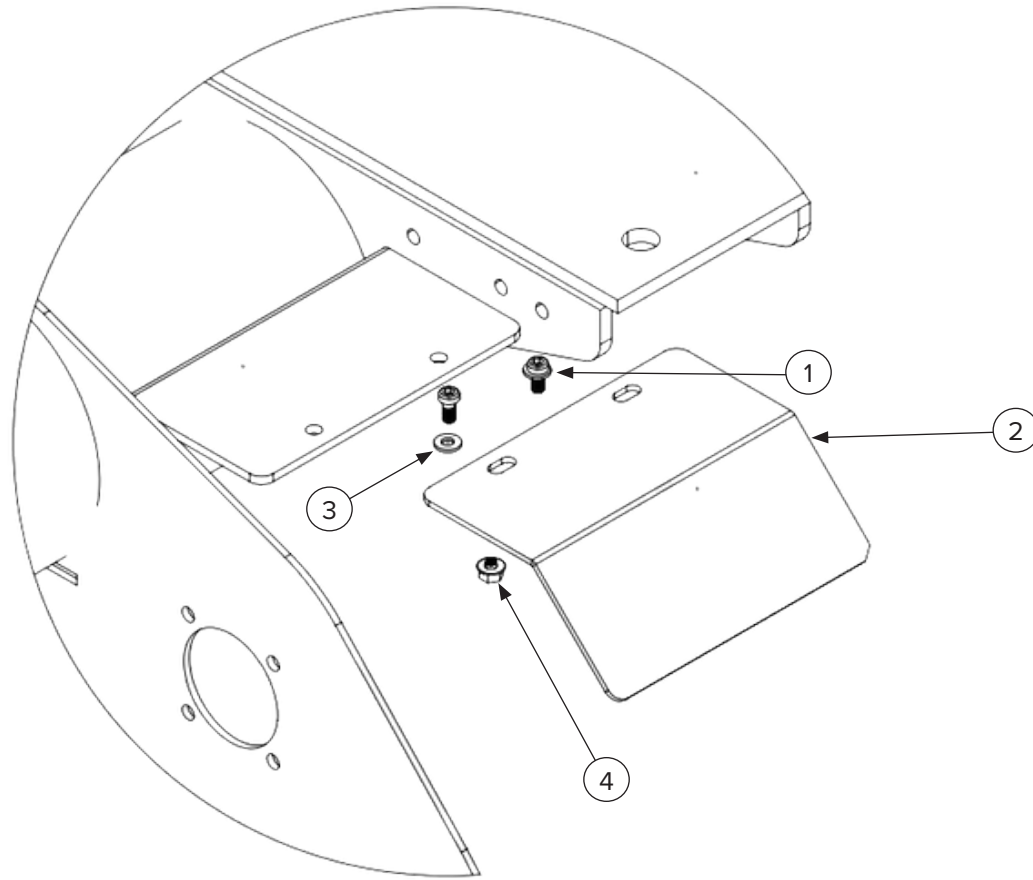


ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	06-18546	M10 Nyloc Nut	—	7	7
2	06-83734	Flat Washer S10	—	7	7
3	06-81127	M10 X 30mm Socket Cap Screw	—	5	5
	06-38709	M10 X 45mm Socket Cap Screw	—	2	2
4	05-90338	Stone Guard 145010 (Left)	—	1	—
	05-88964	Stone Guard 145015 (Right)	—	—	1
5	05-51057	Center Stone Guard	—	1	1
6	05-30857	Stone Guard 145010 (Right)	—	1	—
	05-33533	Stone Guard 145015 (Right)	—	—	1

6. Part Breakdowns for 145010, 145015, & 145110

6.4 Subassemblies Cont'd

Accessories & Stone Guards Cont'd for 2024 Models



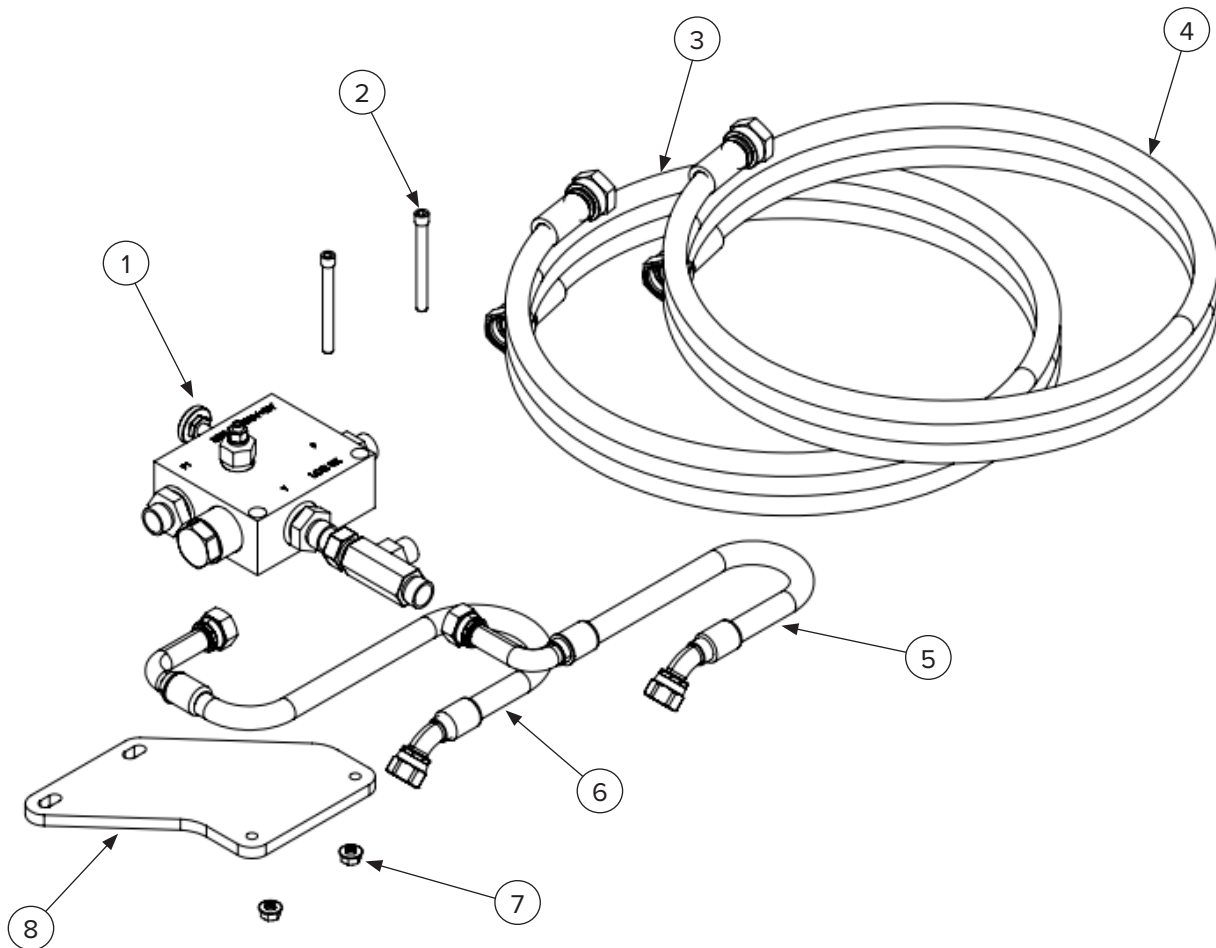
ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	06-81127	M10 x 30mm Socket Cap Screw	2	—	—
2	06-83734	Stoneguard 145110	1	—	—
3	06-81127	Flat Washer M10	4	—	—
4	05-88964	M10 Nyloc Nut	2	—	—

Note: The new shell design allows for 145110 stoneguard to be universal and can be used on both sides of the bucket.

6. Part Breakdowns for 145010, 145015, & 145110

6.5 Speed Reduction Assemblies

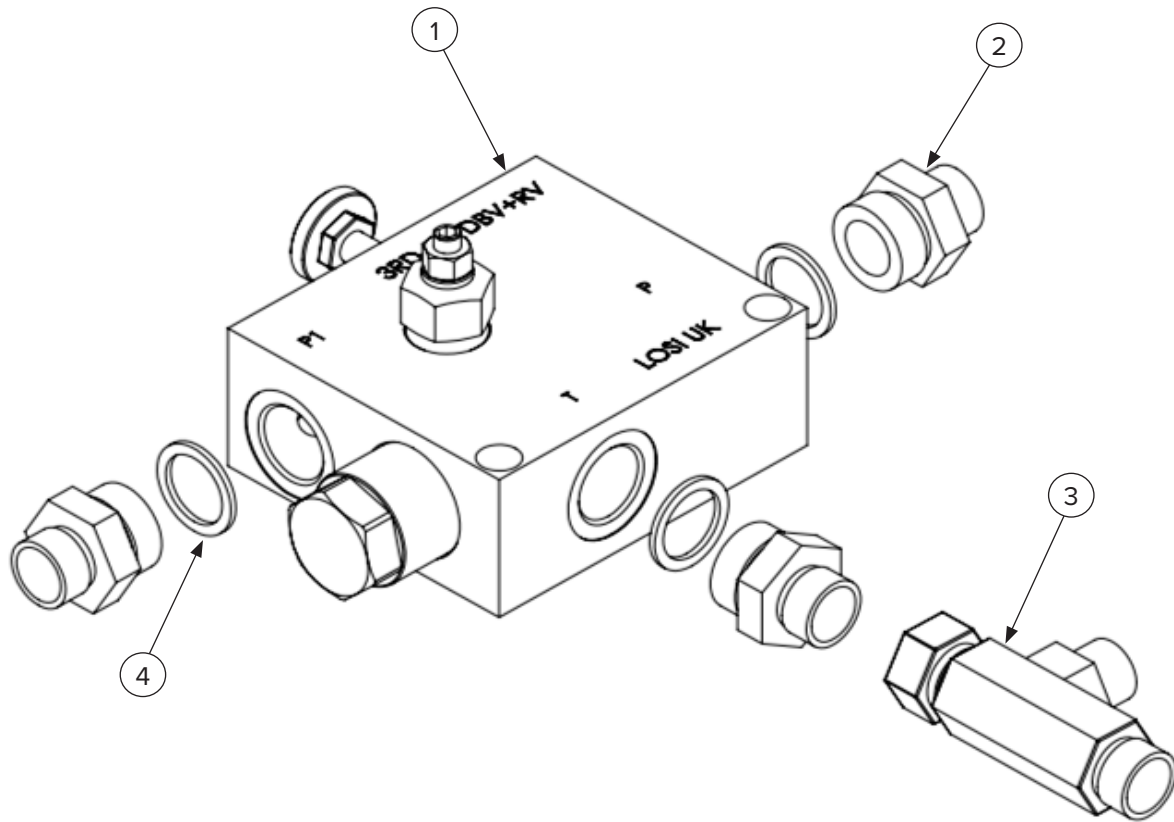
Speed Reduction Kit



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	—	See Pressure Compensated Flow Valve on Page 35	—	—	—
2	06-62592	M8 X 60mm Socket Cap Screw	—	2	2
3	04-52665	Hose Supply 1725mm JIC with Burst Sleeve	—	1	1
4	04-79212	Hose Return 1800mm JIC with Burst Sleeve	—	1	1
5	04-56512	Hose Return for Speed Reduction Kit	—	1	1
6	04-31872	Hose Supply for Speed Reduction Kit	—	1	1
7	06-95773	M8 Flange Nut	—	2	2
8	04-24620	Valve Plate for Pressure Compensated Valve	—	1	1

6. Part Breakdowns for 145010, 145015, & 145110

6.5 Speed Reduction Assemblies Cont'd Pressure Compensated Flow Valve



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	04-26150	Pressure Compensated Flow Valve	—	1	1
2	04-73988	3/4" M BSP — 7/8" JIC Adapter	—	3	3
3	04-58068	Tee Fitting M-M-F 7/8" JIC	—	1	1
4	04-50138	Bonded Seal 3/4"	—	3	3

6. Part Breakdowns for 145010, 145015, & 145110

6.5 Speed Reduction Assemblies Cont'd

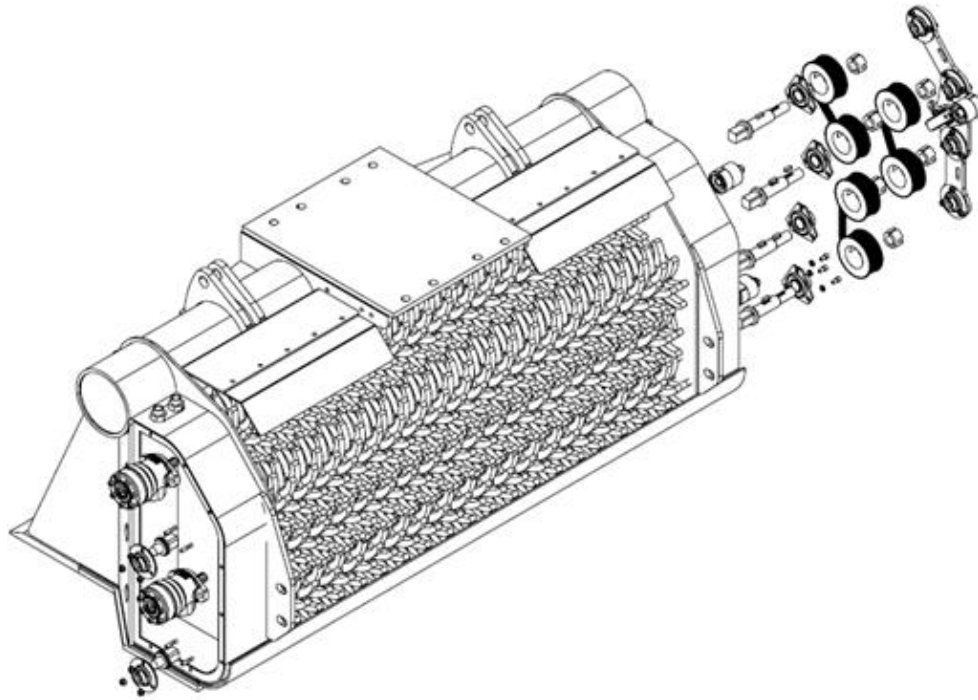
Speed Reduction Assembly

PART NUMBER	DESCRIPTION	QTY	NOTES
02-27799	Speed Reduction Kit JIC	1	Consists of: 04-26150 QTY 1 04-73988 QTY 3 04-58068 QTY 1 04-50138 QTY 3 06-62592 QTY 2 04-52665 QTY 1 04-79212 QTY 1 04-56512 QTY 1 04-31872 QTY 1 06-95773 QTY 2 04-24620 QTY 1
04-26150	Pressure Compensated Flow Valve	1	—
04-73988	3/4" M BSP — 7/8" JIC Adapter	3	—
04-58068	Tee Fitting M-M-F 7/8" JIC	1	—
04-50138	Bonded Seal 3/4"	3	—
06-62592	M8 X 60mm Socket Cap Screw	2	—
04-52665	Hose Supply 1725 mm JIC with Burst Sleeve	1	—
04-79212	Hose Return 1800mm JIC with Burst Sleeve	1	—
04-56512	Hose Return for Speed Reduction Kit	1	—
04-31872	Hose Supply for Speed Reduction Kit	1	—
06-95773	M8 Flange Nut	2	—
04-24620	Valve Plate for Pressure Compensated Valve	1	—

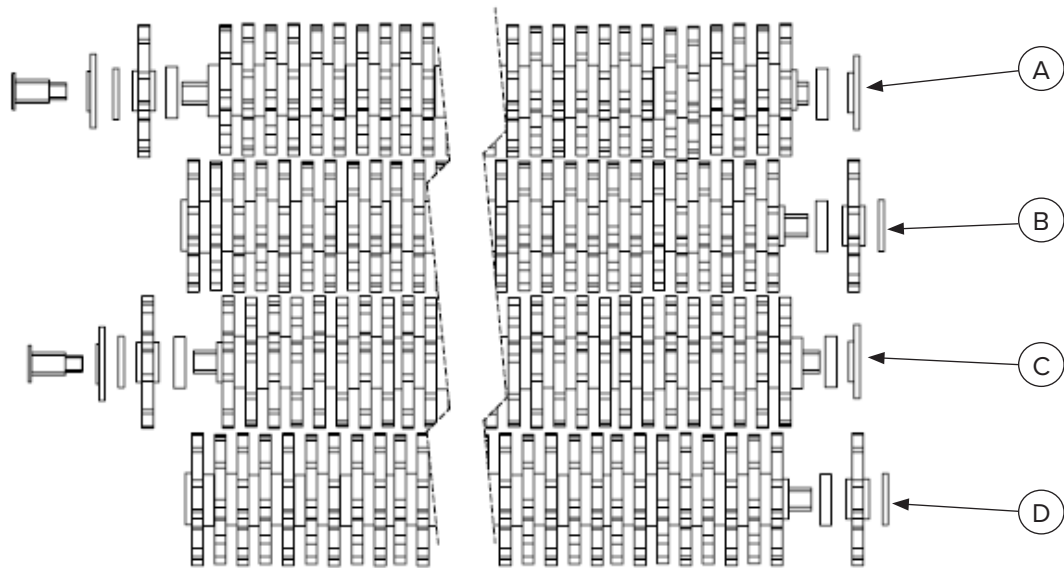
7. Part Breakdowns for 145115, 145117, & 145120

7.1 Rotor Assemblies

Rotor Overview



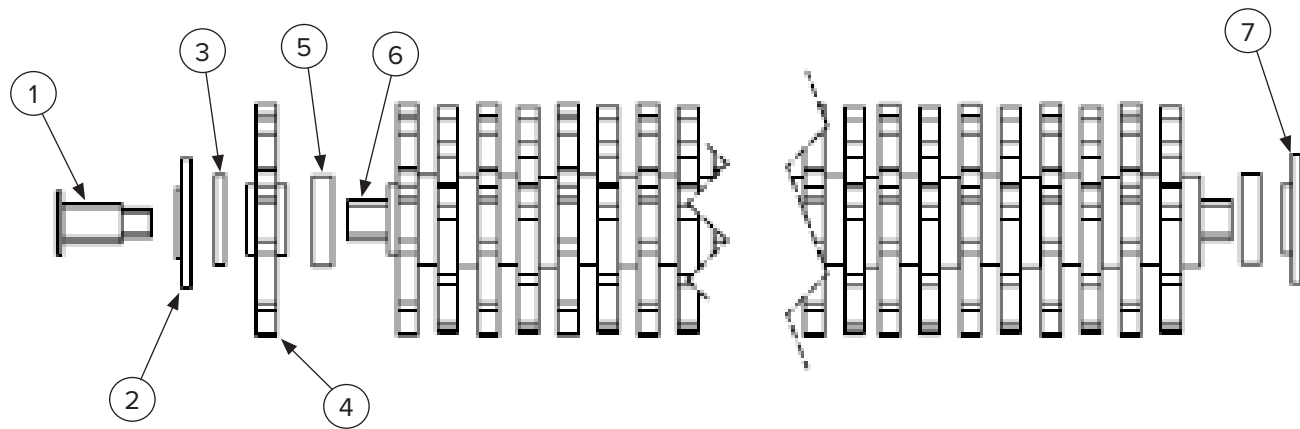
Rotor Group Overview



7. Part Breakdowns for 145115, 145117, & 145120

7.1 Rotor Assemblies Cont'd

Rotor Shaft A & C



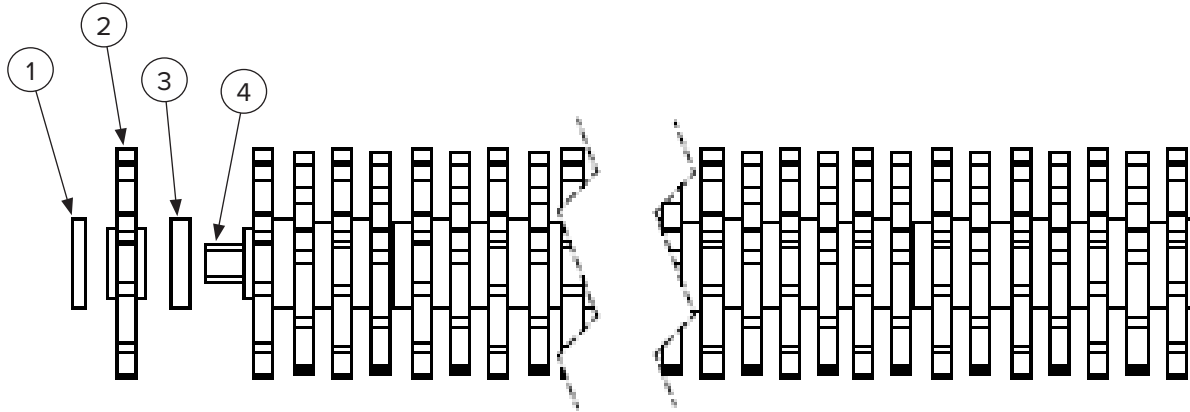
ROTOR A					
ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	02-33888	SAE Splined Drive Coupling	1	1	1
2	03-78905	15mm End Cap	1	1	1
3	03-99135	Nylon Locking Ring 90mm OD	1	1	1
4	03-56281	Poly Star (230mm Ten Finger) Yellow	24	29	37
5	03-86116	20mm Locking Ring	25	30	38
6	03-46491	Rotor Shaft 145115 (Motor Pick Up)	1	—	—
	03-82264	Rotor Shaft 145117 (Motor Pick Up)	—	1	—
	03-30536	Rotor Shaft 145120 (Motor Pick Up)	—	—	1
7	03-92358	20mm End Cap	1	1	1

ROTOR C					
ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	02-33888	SAE Splined Drive Coupling	1	1	1
2	03-78905	15mm End Cap	1	1	1
3	03-99135	Nylon Locking Ring 90mm OD	1	1	1
4	03-56281	Poly Star (230mm Ten Finger) Yellow	24	29	37
5	03-86116	20mm Locking Ring	25	30	38
6	03-46491	Rotor Shaft 145115 (Motor Pick Up)	1	—	—
	03-82264	Rotor Shaft 145117 (Motor Pick Up)	—	1	—
	03-30536	Rotor Shaft 145120 (Motor Pick Up)	—	—	1
7	03-92358	20mm End Cap	1	1	1

7. Part Breakdowns for 145115, 145117, & 145120

7.1 Rotor Assemblies Cont'd

Rotor Shaft B & D



ROTOR B					
ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	03-99135	Nylon Locking Ring 90mm OD	2	2	2
2	03-56281	Poly Star (230mm Ten Finger) Yellow	25	30	38
3	03-86116	20mm Locking Ring	24	29	37
4	03-56281	Poly Star (230mm Ten Finger) Yellow	24	29	37
5	03-39360	Rotor Shaft 145115	1	—	—
	03-97866	Rotor Shaft 145117	—	1	—
	03-66775	Rotor Shaft 145120	—	—	1

ROTOR D					
ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	03-99135	Nylon Locking Ring 90mm OD	2	2	2
2	03-56281	Poly Star (230mm Ten Finger) Yellow	25	30	38
3	03-86116	20mm Locking Ring	24	29	37
4	03-56281	Poly Star (230mm Ten Finger) Yellow	24	29	37
5	03-39360	Rotor Shaft 145115	1	—	—
	03-97866	Rotor Shaft 145117	—	1	—
	03-66775	Rotor Shaft 145120	—	—	1

7. Part Breakdowns for 145115, 145117, & 145120

7.1 Rotor Assemblies Cont'd

Rotor Assembly – 145115

PART NUMBER	DESCRIPTION	QTY	NOTES
03-79464	Complete Rotor Assembly for 145110	1	Consists of: 03-12378 QTY 2 03-57483 QTY 2
03-12378	145115 Driven Top Shaft	2	—
03-57483	145115 Non-Driven Middle Shaft	2	—

Rotor Assembly – 145117

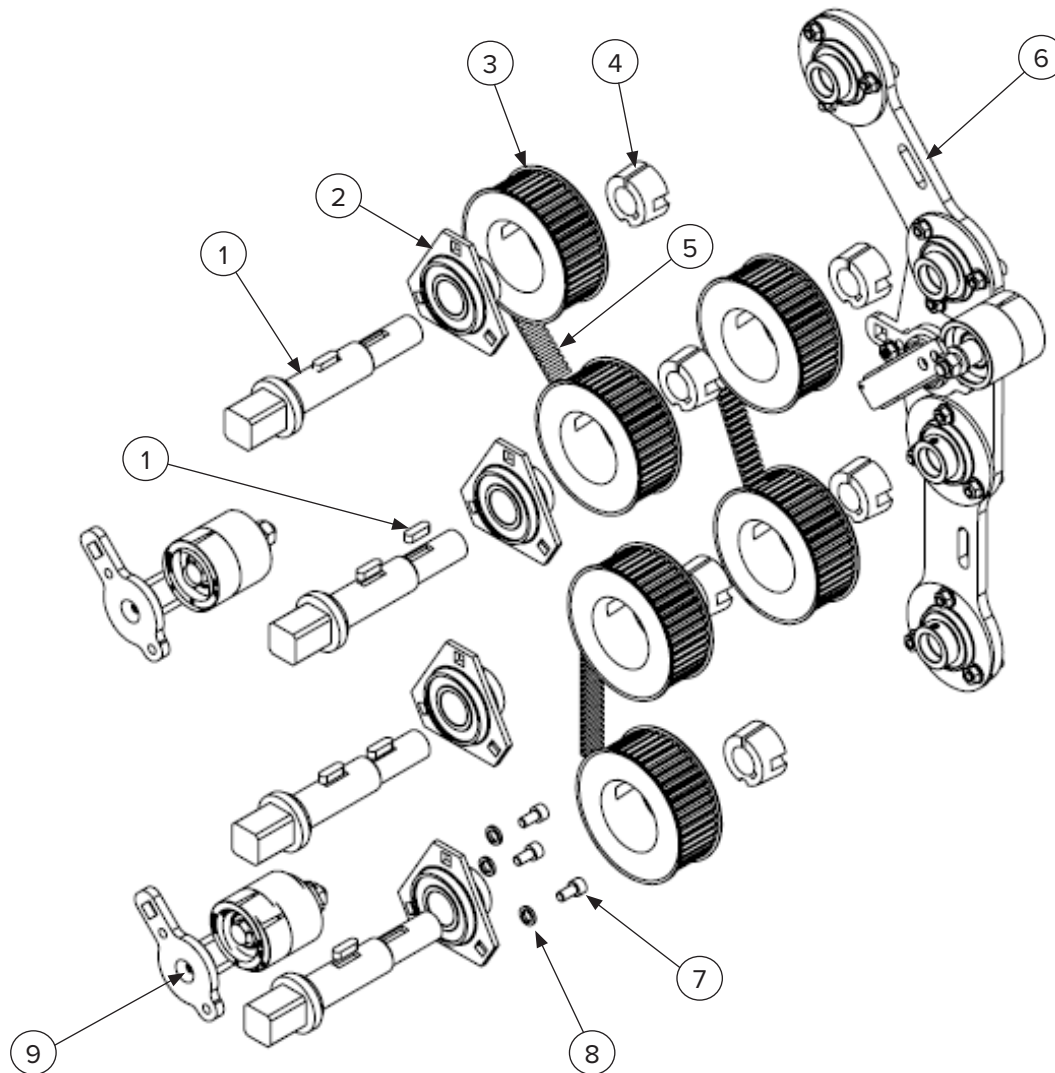
PART NUMBER	DESCRIPTION	QTY	NOTES
03-44627	Complete Rotor Assembly 145117	1	Consists of: 03-56738 QTY 2 03-47462 QTY 2
03-56738	145117 Driven Top Shaft	2	—
03-47462	145117 Non-Driven Middle Shaft	2	—

Rotor Assembly – 145120

PART NUMBER	DESCRIPTION	QTY	NOTES
03-44672	Complete Rotor Assembly 145120	1	Consists of: 03-95637 QTY 2 03-16041 QTY 2
03-95637	145120 Driven Top Shaft	2	—
03-16041	145120 Non-Driven Middle Shaft	2	—

7. Part Breakdowns for 145115, 145117, & 145120

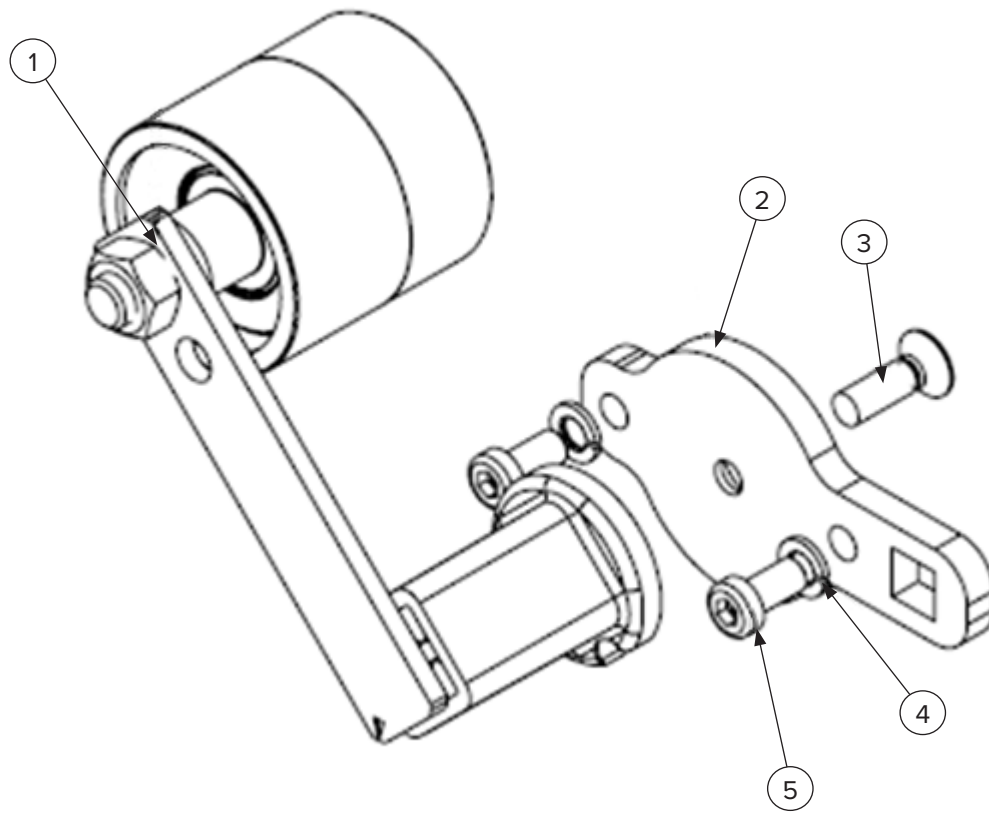
7.2 Driveline Assembly Driveline



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	02-44051	Keyed Shaft	4	4	4
2	02-23430	Bearing SLFT30C99 with Housing	4	4	4
3	02-45078	Carbon Belt Pulley (8MDC3645)	6	6	6
4	02-91615	Taper Bush 2012-30	6	6	6
5	02-28566	Carbon Belt	3	3	3
6	—	See Bearing Support Plate Diagram on page 43	—	—	—
7	06-47900	M10 X 16mm Socket Cap Screw	12	12	12
8	06-23107	M10 Spring Washer	12	12	12
9	—	See Belt Adjuster Diagram on page 42	—	—	—
10	02-62292	Key	6	6	6

7. Part Breakdowns for 145115, 145117, & 145120

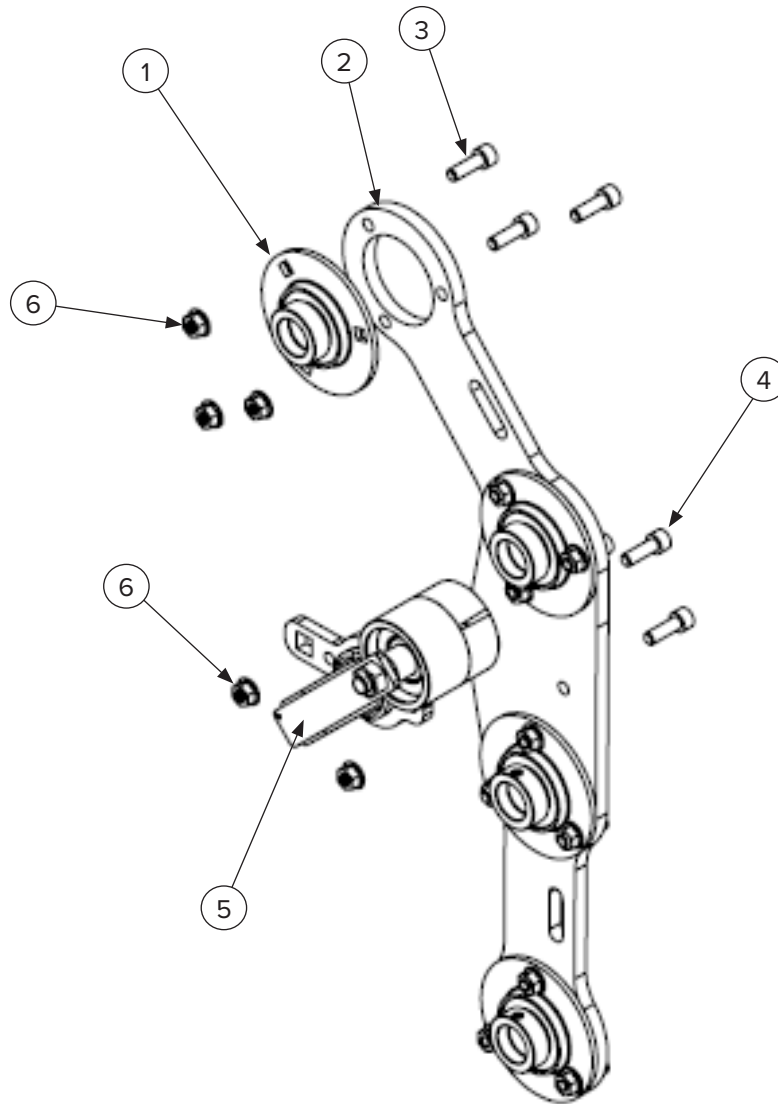
7.2 Driveline Assembly Cont'd Belt Adjuster



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	02-79369	Rosta Belt Adjuster	3	3	3
2	02-72480	Belt Adjuster Plate	3	3	3
3	06-45595	M8 X 25mm Stainless Steel Countersunk Screw	3	3	3
4	06-66588	M8 Spring Washer	6	6	6
5	06-20616	M8 X 16mm Socket Cap Screw	6	6	6

7. Part Breakdowns for 145115, 145117, & 145120

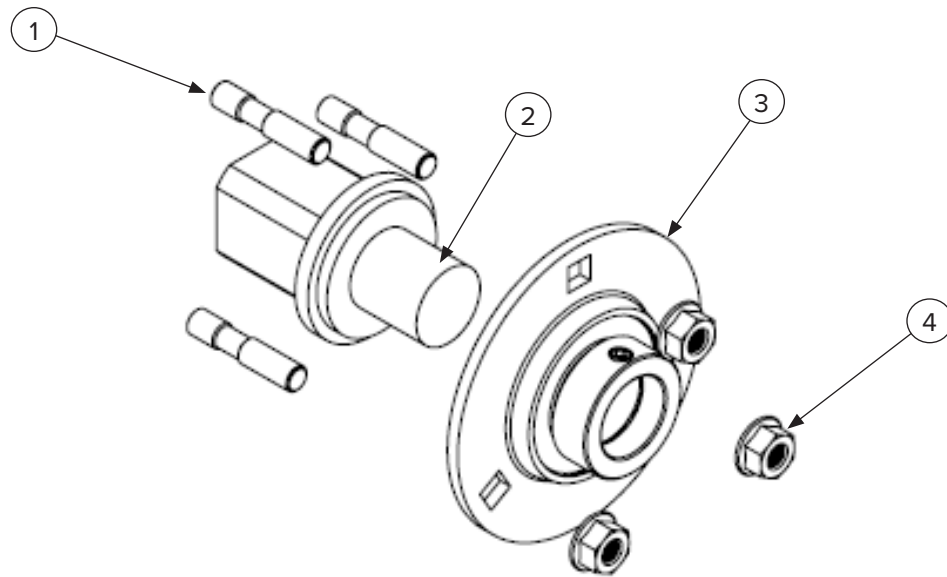
7.2 Driveline Assembly Cont'd Bearing Support Plate



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	02-26057	Bearing SLFE25C99	4	4	4
2	02-94994	Bearing Support Plate	1	1	1
3	06-24550	M8 X 20mm Socket Cap Screw	12	12	12
4	06-28181	M8 X 30mm Socket Cap Screw	2	2	2
5	—	See Belt Adjuster Diagram on page 42	—	—	—
6	06-95773	M8 Flange Nut	14	14	14

7. Part Breakdowns for 145115, 145117, & 145120

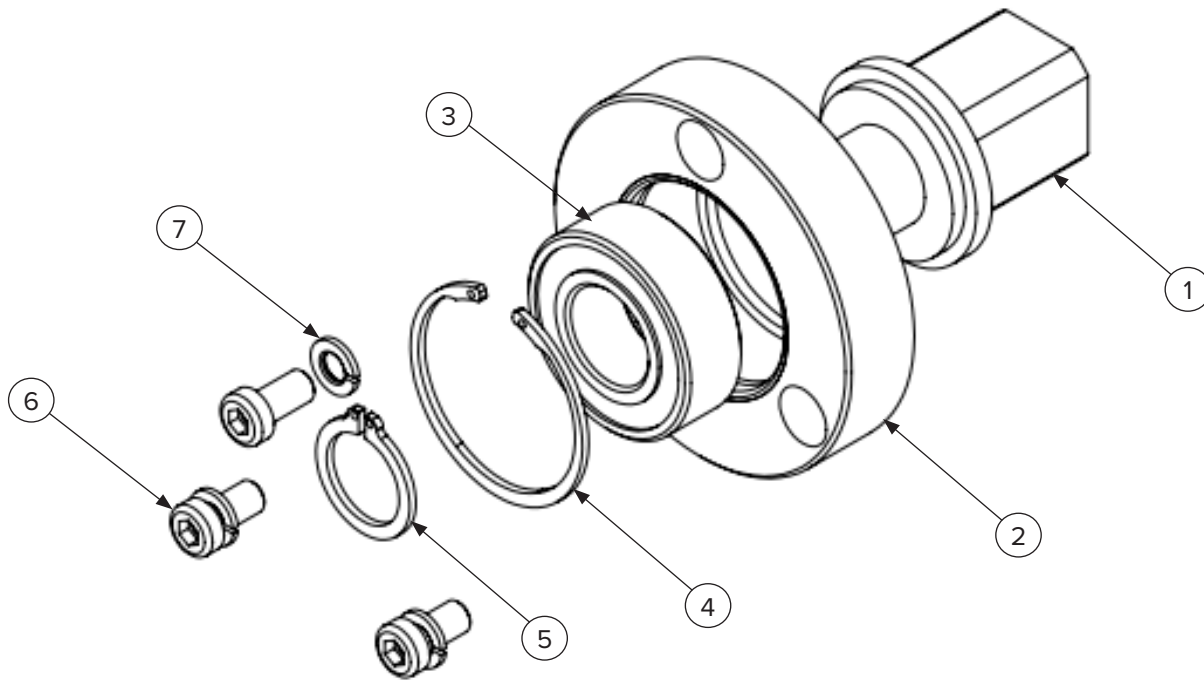
7.3 Shaft Assembly Stub Shaft



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	06-44972	M8 X 25mm Stud	6	6	6
2	02-77903	Short Stub Shaft	2	2	2
3	02-26057	Bearing SLFE25C99	2	2	2
4	06-95773	M8 Flange Nut	2	2	2

7. Part Breakdowns for 145115, 145117, & 145120

7.3 Shaft Assembly Cont'd Stub Shaft Cont'd



ITEM	PART NUMBER	DESCRIPTION	145120
1	02-59183	Short Stub Shaft 3 & 4 Rotor	1
2	02-40685	Bearing Housing	1
3	02-56867	32052RS Bearing	1
4	02-66289	Circlip D1360 – 52mm	1
5	06-66588	M8 Spring Washer	3
6	06-20616	M8 x 16 Socket Cap Screw	3
7	02-61562	Circlip D1460 – 25mm	1

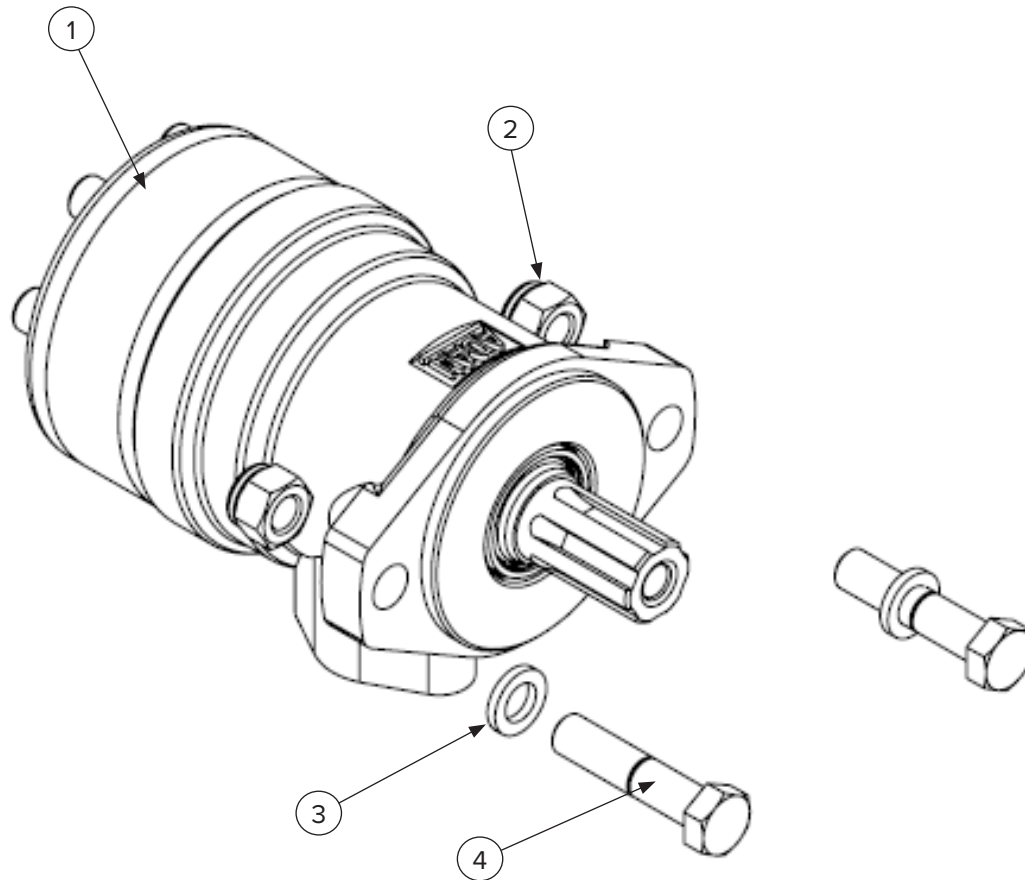
Note: The new stub shaft assembly can be fitted into all pre-2024 models with no other modifications required.

Shaft Assembly

PART NUMBER	DESCRIPTION	QTY	NOTES
02-85346	Keyed Shaft Assembly 4 Rotor	1	Consists of: 02-44051 QTY 1 02-23430 QTY 1
02-44051	Keyed Shaft	1	—
02-23430	Bearing SLFT30C99	1	—
02-67603	Short Stub Shaft Assembly Heavy Duty	1	Consists of: 02-77903 QTY 1 02-26057 QTY 1
02-77903	Short Stub Shaft	1	—
02-26057	Bearing SLFEW25C99	1	—
02-48267	Bearing Unit 3 & 4 Rotor - 145120	1	—

7. Part Breakdowns for 145115, 145117, & 145120

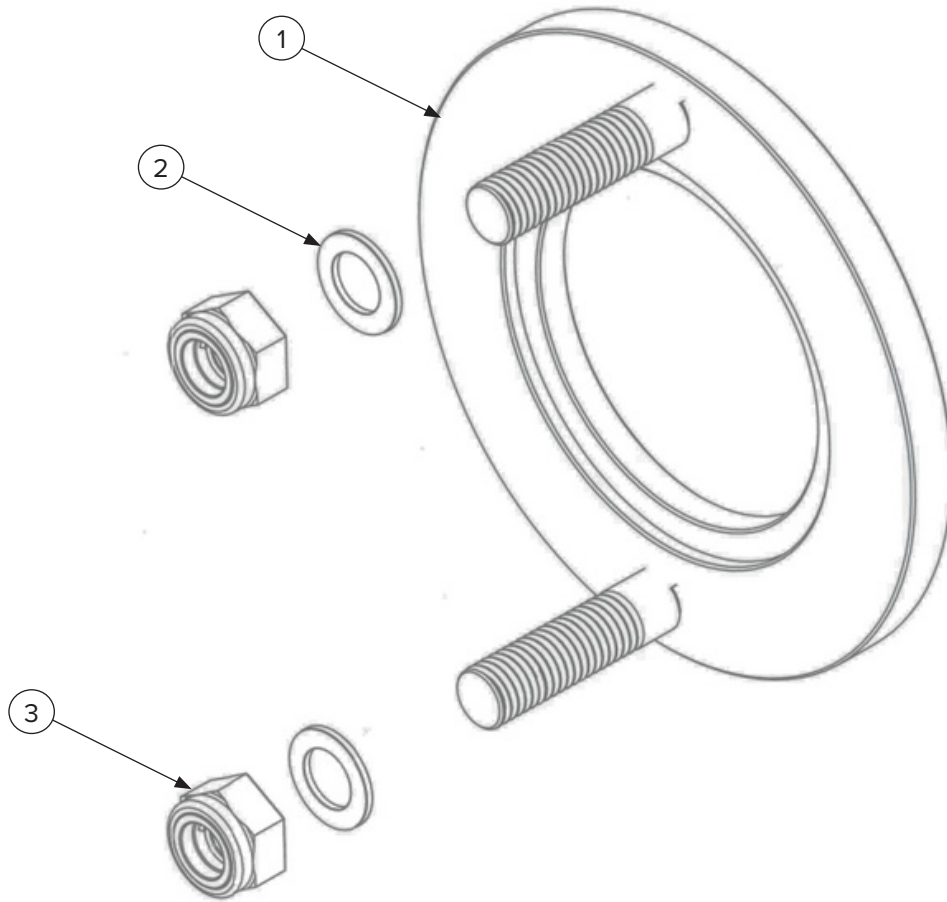
7.4 Motor Assembly



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	04-56662	MR Motor 125cc 6B Shaft HP Shaft Seal	2	2	2
2	06-21695	M12 Nyloc Nut	4	4	4
3	06-85970	M12 Form A Flat Washer	4	4	4
4	06-97778	M12 X 50mm Hexagon Bolt	4	4	4

7. Part Breakdowns for 145115, 145117, & 145120

7.4 Motor Assembly Cont'd

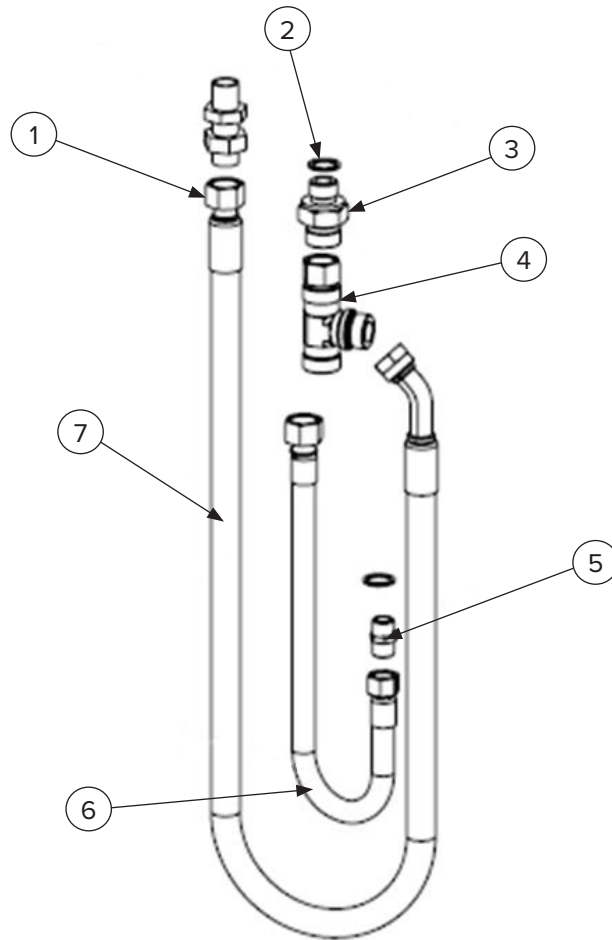


ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	03-96483	Sealing Ring	2	2	2
2	06-85970	M12 Form A Flat Washer	4	4	4
3	06-57851	M12 Nyloc Nut	4	4	4

Note: In the 2024 Model, the Sealing Ring (03-96483) replaces M12 x 50mm Hexagon Bolts (06-97778) in Motor Assembly.

7. Part Breakdowns for 145115, 145117, & 145120

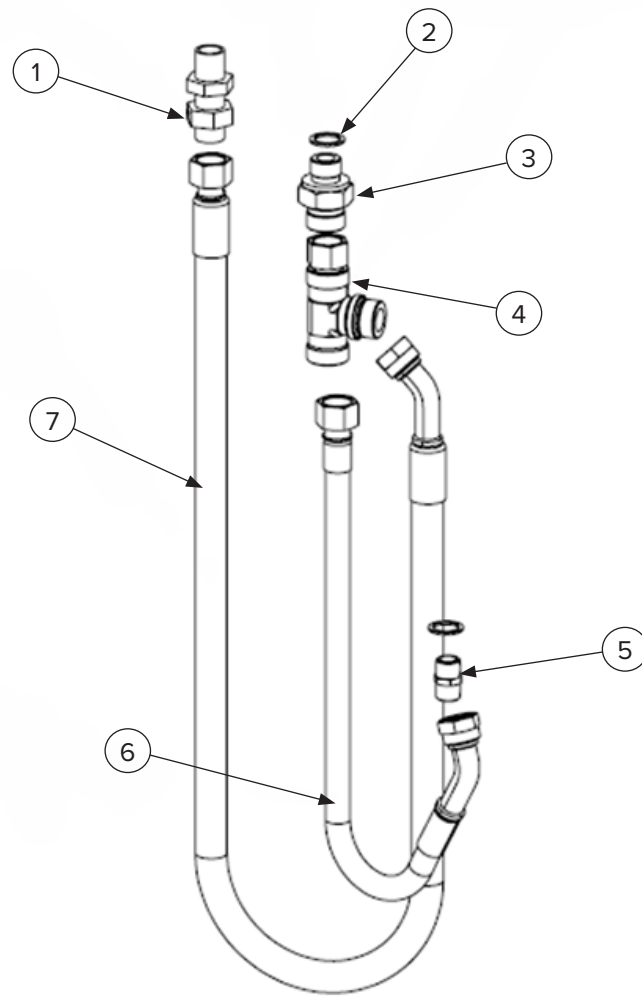
7.5 Hose Group Supply Circuit



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	04-69494	Bulkhead Fitting 1 1/6" JIC	1	1	1
2	04-46759	Bonded Seal 1/2"	2	2	2
3	04-35281	1 1/16" JIC — 1/2" BSP MM Adapter	1	1	1
4	04-15055	Tee Fitting F-M-M 1 1/16" JIC	4	4	4
5	04-42385	7/8" JIC — 1/2" BSP MM Adapter	1	1	1
6	04-59857	Supply Hose JIC	1	1	1
7	04-88880	Hose JIC	1	1	1

7. Part Breakdowns for 145115, 145117, & 145120

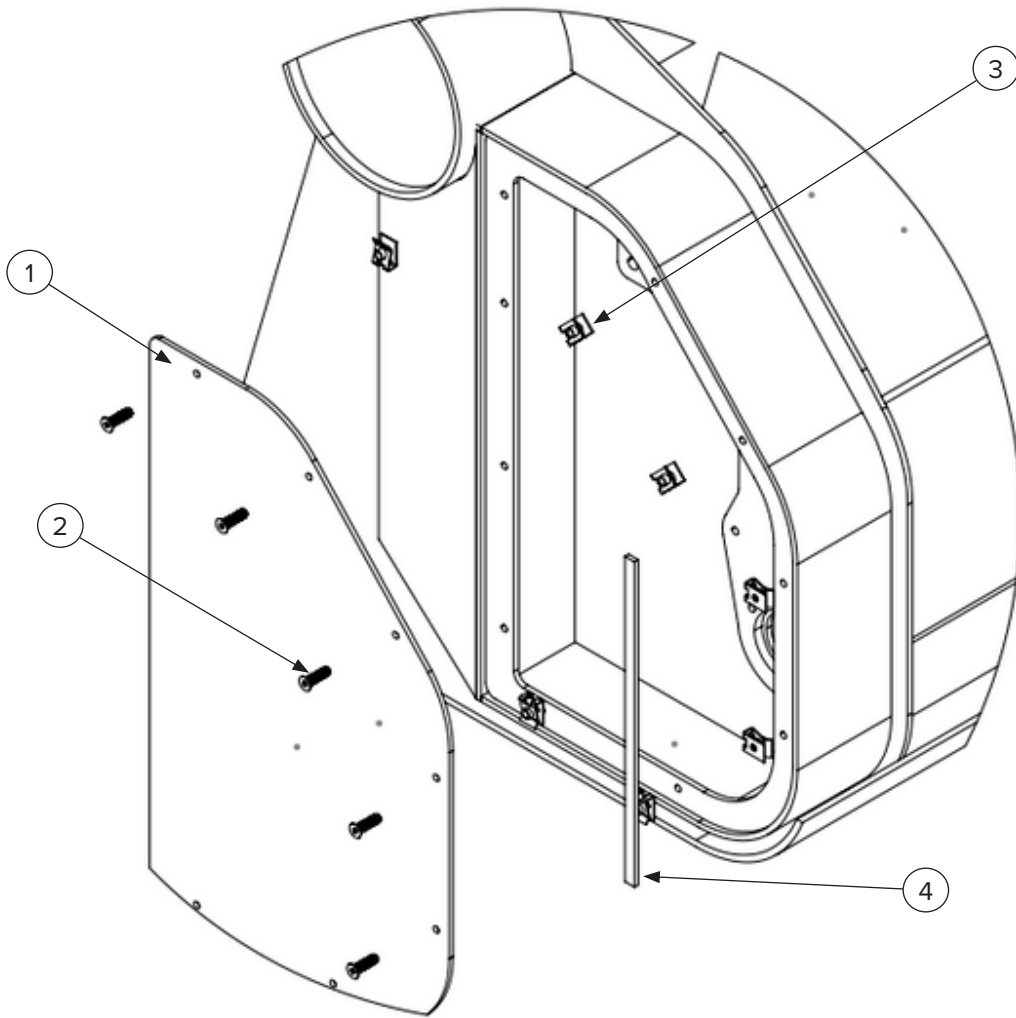
7.6 Hose Group Cont'd Return Circuit



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	04-69494	Bulkhead Fitting 1 1/16" JIC	1	1	1
2	04-46759	Bonded Seal 1/2"	2	2	2
3	04-35281	1 1/16" JIC — 1/2" BSP MM Adapter	1	1	1
4	04-15055	Tee Fitting F-M-M 1 1/16" JIC	4	4	4
5	04-42385	7/8" JIC — 1/2" BSP MM Adapter	1	1	1
6	04-30796	Return Hose JIC	1	1	1
7	04-88880	Hose JIC	1	1	1

7. Part Breakdowns for 145115, 145117, & 145120

7.7 Door Group

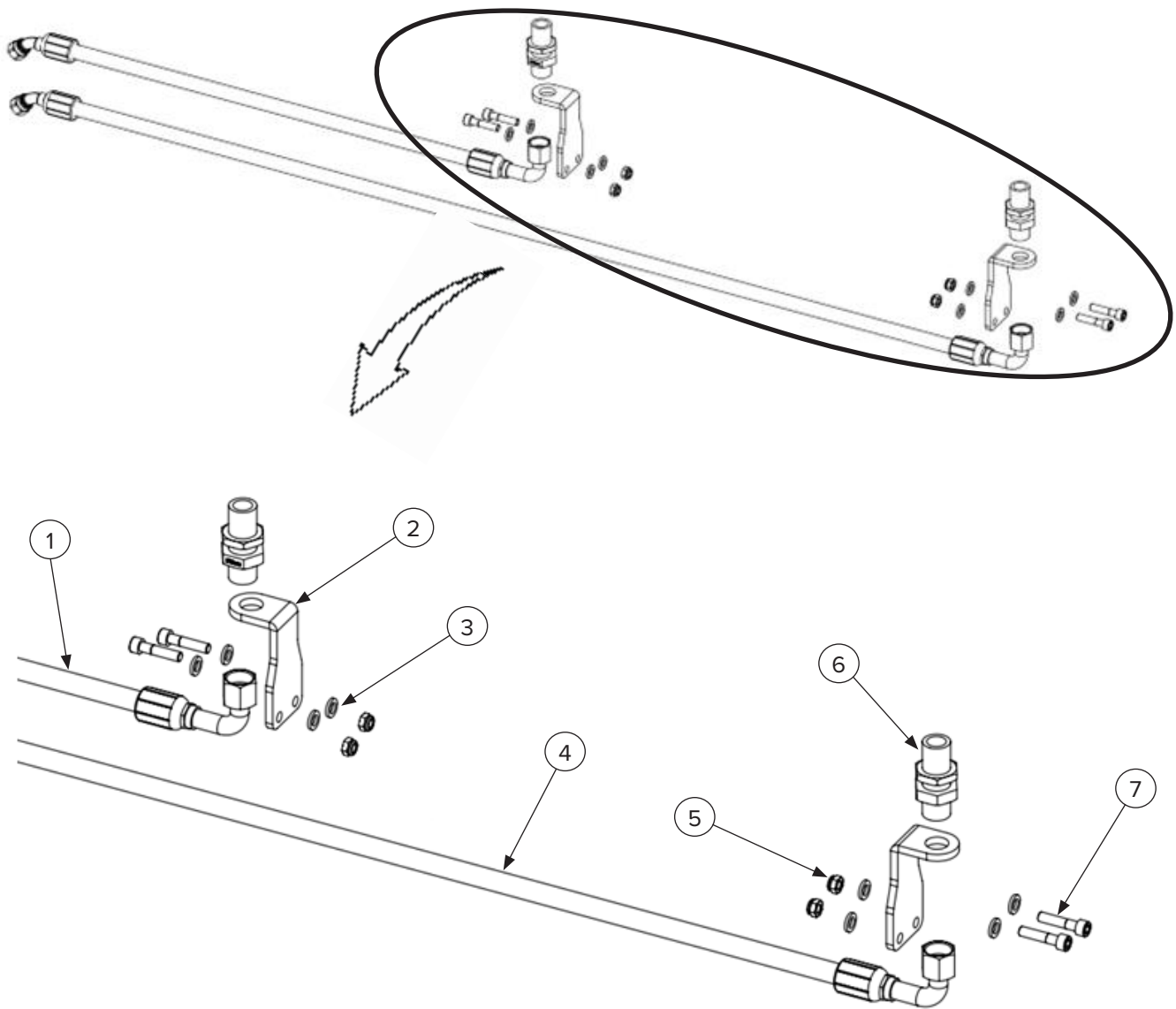


ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	01-65478	4 Rotor Door Cover (Left)	1	1	1
	01-10293	4 Rotor Door Cover (Right)	1	1	1
2	06-57851	M6 X 25mm Socket Countersunk Screw	16	16	16
3	06-87811	M6 Speed Nut	16	16	16
4	04-42385	Self Adhesive Seal (1 meter length)	3	3	3

7. Part Breakdowns for 145115, 145117, & 145120

7.8 Cross-Over Hose Group

Cross-Over Hoses



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	04-57947	145115 Cross Over Short Hose JIC	1	—	—
	04-19064	145117 Cross Over Short Hose JIC	—	1	—
	04-64186	145120 Cross Over Short Hose JIC	—	—	1
2	04-43374	Hose Ear 4 Rotor Cross Over	2	2	2
3	06-83734	Flat Washer S10	4	4	4
4	04-73761	145115 Cross Over Long Hose JIC	1	—	—
	04-92878	145117 Cross Over Long Hose JIC	—	1	—
	04-61265	145120 Cross Over Long Hose JIC	—	—	1
5	06-18546	M10 Nyloc Nut	4	4	4
6	04-69494	Bulkhead Fitting 1 1/16" JIC	2	2	2
7	06-38709	M10 X 45mm Socket Cap Screw	4	4	4

7. Part Breakdowns for 145115, 145117, & 145120

7.8 Cross-Over Hose Group Cont'd

Cross-Over Kit – 145115

PART NUMBER	DESCRIPTION	QTY	NOTES
04-90335	145115 Cross Over Kit	1	Consists of: 04-57947 QTY 1 04-73761 QTY 1 04-43374 QTY 2 06-94396 QTY 4 06-38709 QTY 4 06-83734 QTY 4 04-69494 QTY 2
04-57947	145115 Cross Over Short Hose JIC	1	—
04-73761	145115 Cross Over Long Hose JIC	1	—
04-43374	Hose Ear 4 Rotor Cross-Over	2	—
06-18546	M10 Nyloc Nut	4	—
06-38709	M10 X 45mm Socket Cap Screw	4	—
06-83734	Flat Washer S10	4	—
04-69494	Bulkhead Fitting 1 1/16" JIC	2	—

Cross-Over Kit – 145117

PART NUMBER	DESCRIPTION	QTY	NOTES
04-29205	145117 Cross Over Kit	1	Consists of: 04-16064 QTY 1 04-92878 QTY 1 04-43374 QTY 2 06-94396 QTY 4 06-38709 QTY 4 06-83734 QTY 4 04-69494 QTY 2
04-19064	145117 Cross Over Short Hose JIC	1	—
04-92878	145117 Cross Over Long Hose JIC	1	—
04-43374	Hose Ear 4 Rotor Cross-Over	2	—
06-18546	M10 Nyloc Nut	4	—
06-38709	M10 X 45mm Socket Cap Screw	4	—
06-83734	Flat Washer S10	4	—
04-69494	Bulkhead Fitting 1 1/16" JIC	2	—

7. Part Breakdowns for 145115, 145117, & 145120

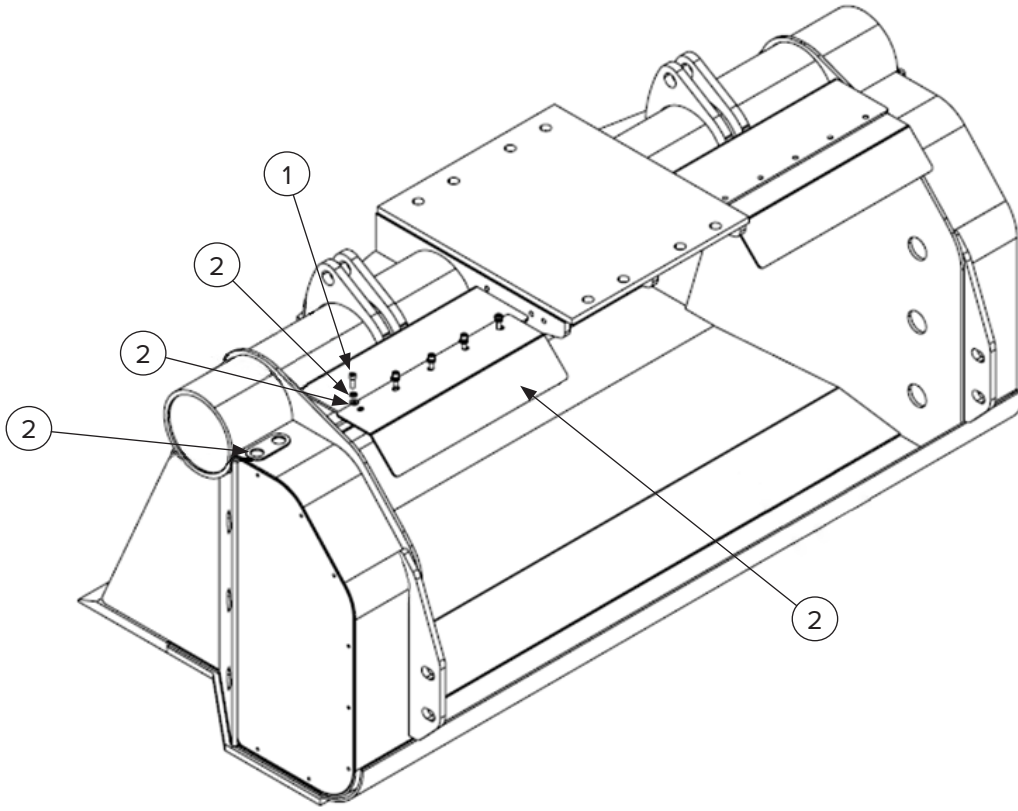
7.8 Cross-Over Hose Group Cont'd

Cross-Over Kit — 145120

PART NUMBER	DESCRIPTION	QTY	NOTES
04-55215	145120 Cross Over Kit	1	Consists of: 04-57947 QTY 1 04-73761 QTY 1 04-43374 QTY 2 06-94396 QTY 4 06-38709 QTY 4 06-83734 QTY 4 04-69494 QTY 2
04-64186	145120 Cross Over Short Hose JIC	1	—
04-61265	145120 Cross Over Long Hose JIC	1	—
04-43374	Hose Ear 4 Rotor Cross-Over	2	—
06-18546	M10 Nyloc Nut	4	—
06-38709	M10 X 45mm Socket Cap Screw	4	—
06-83734	Flat Washer S10	4	—
04-69494	Bulkhead Fitting 1 1/16" JIC	2	—

7. Part Breakdowns for 145115, 145117, & 145120

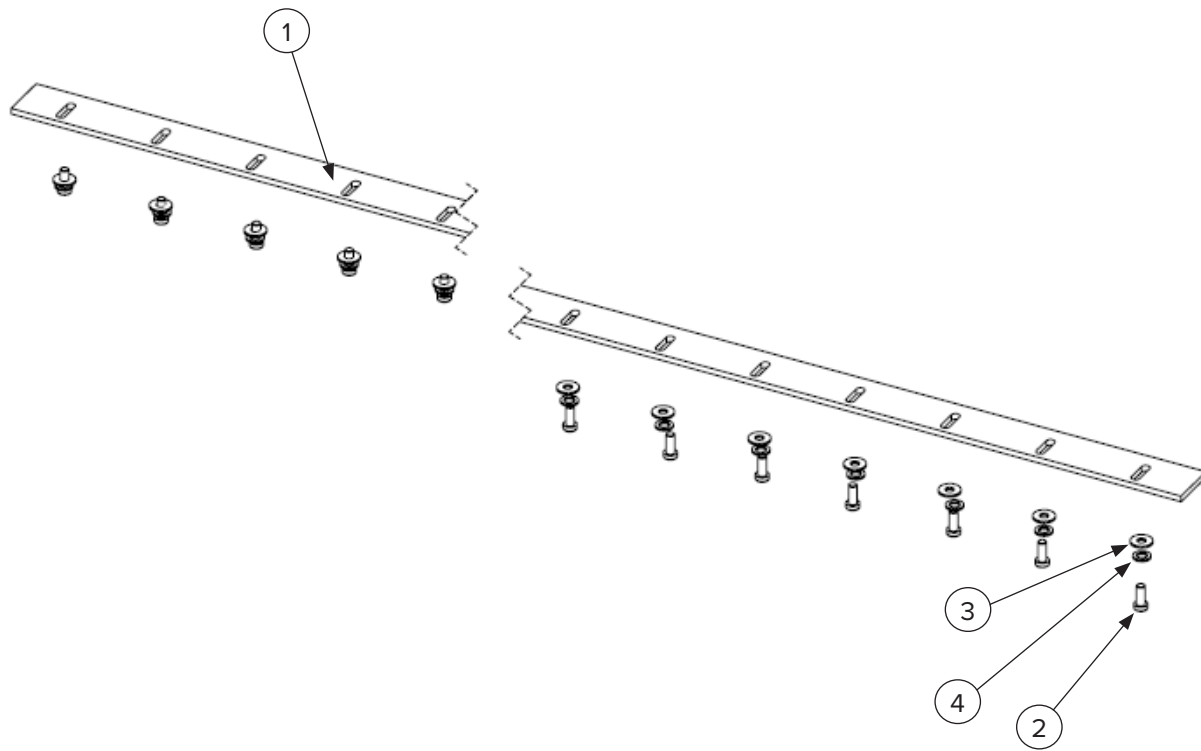
7.9 Accessories



ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	05-64440	145115 Stone Guard	2	—	—
	05-64946	145117 Stone Guard	—	2	—
	05-92216	145120 Stone Guard	—	—	2
2	06-81127	M10 X 30mm Socket Cap Screw	4	6	10
3	06-83734	Flat Washer S10	4	6	10
4	06-18546	M10 Nyloc Nut	4	6	10
5	01-20740	Hose Plate	1	1	1

7. Part Breakdowns for 145115, 145117, & 145120

7.10 Stripper Plate

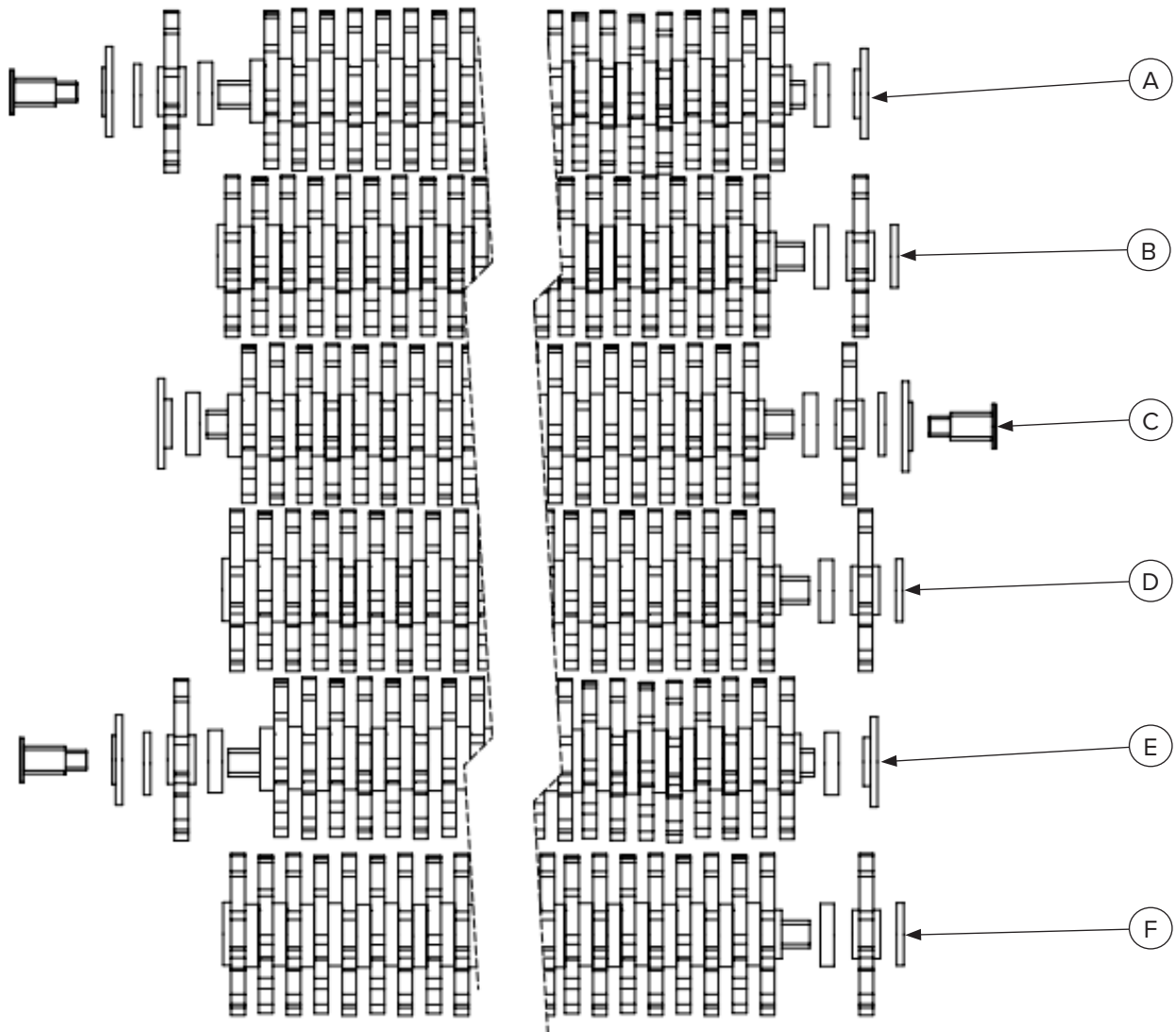


ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	05-62551	145115 Stripper Plate	1	—	—
	05-25153	145117 Stripper Plate	—	1	—
	05-62817	145120 Stripper Plate	—	—	1
2	06-45595	M8 X 25mm Stainless Steel Socket Countersunk Screw	10	12	15
3	06-44950	M8 Flat Washer	10	12	15
4	06-66588	M8 Spring Washer	10	12	15

8. Part Breakdowns for 145135

8.1 Rotor Assembly

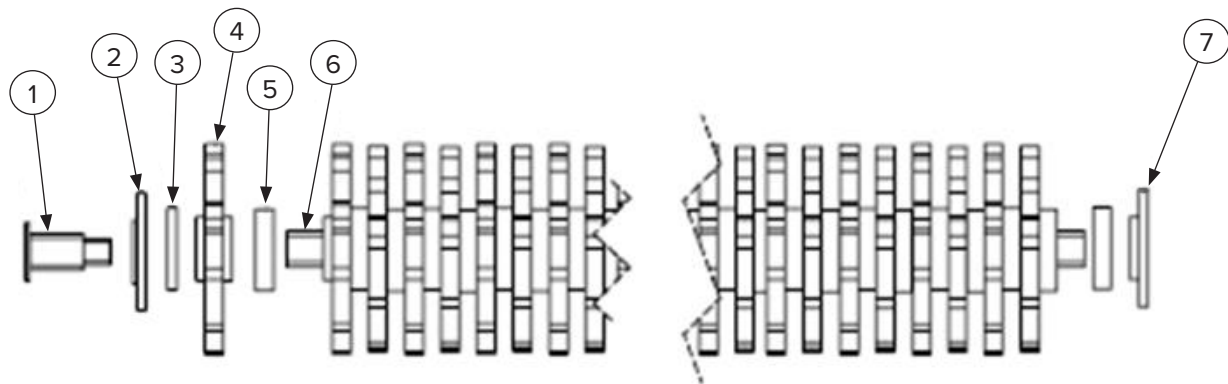
Rotor Group



8. Part Breakdowns for 145135

8.1 Rotor Assembly Cont'd

Rotor Group



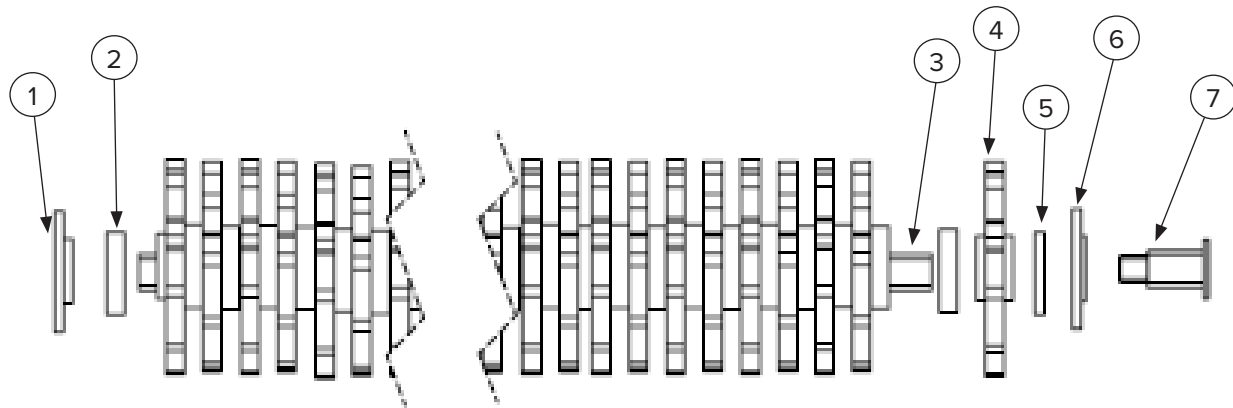
ROTOR A			
ITEM	PART NUMBER	DESCRIPTION	145135
1	02-33888	SAE Splined Drive Coupling (HD)	1
2	03-78905	15mm End Cap	1
3	03-99135	Nylon Locking Ring 90mm OD	1
4	03-80833	Poly Star (230mm Ten Finger) Blue	37
5	03-86116	20mm Locking Ring	37
6	03-95310	145135 Rotor Shaft (Motor Pick Up)	1
7	03-92358	20mm End Cap	11

ROTOR E			
ITEM	PART NUMBER	DESCRIPTION	145135
1	02-33888	SAE Splined Drive Coupling (HD)	1
2	03-78905	15mm End Cap	1
3	03-99135	Nylon Locking Ring 90mm OD	1
4	03-80833	Poly Star (230mm Ten Finger) Blue	37
5	03-86116	20mm Locking Ring	37
6	03-95310	145135 Rotor Shaft (Motor Pick Up)	1
7	03-92358	20mm End Cap	11

8. Part Breakdowns for 145135

8.1 Rotor Assembly Cont'd

Rotor Group

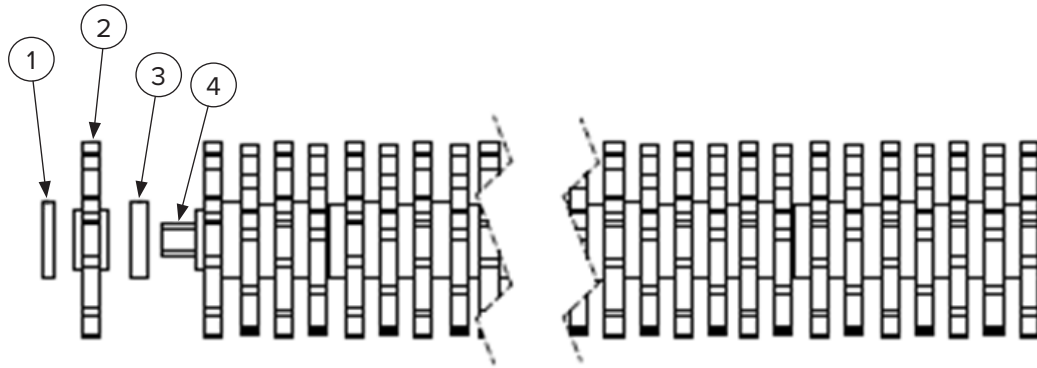


ROTOR C			
ITEM	PART NUMBER	DESCRIPTION	145135
1	03-92358	20mm End Cap	1
2	03-86116	20mm Locking Ring	37
3	03-95310	145135 Rotor Shaft (Motor Pick Up)	1
4	03-80833	Poly Star (230mm Ten Finger) Blue	37
5	03-99135	Nylon Locking Ring 90mm OD	1
6	03-78905	15mm End Cap	1
7	03-33888	SAE Splined Drive Coupling (HD)	1

8. Part Breakdowns for 145135

8.1 Rotor Assembly Cont'd

Rotor Group



ROTOR B			
ITEM	PART NUMBER	DESCRIPTION	145135
1	03-99135	Nylon Locking Ring 90mm OD	2
2	03-80833	Poly Star (230mm Ten Finger) Blue	38
3	03-66775	145135 Rotor Shaft	1
4	03-86116	20mm Locking Ring	38

ROTOR D			
ITEM	PART NUMBER	DESCRIPTION	145135
1	03-99135	Nylon Locking Ring 90mm OD	2
2	03-80833	Poly Star (230mm Ten Finger) Blue	38
3	03-66775	145135 Rotor Shaft	1
4	03-86116	20mm Locking Ring	38

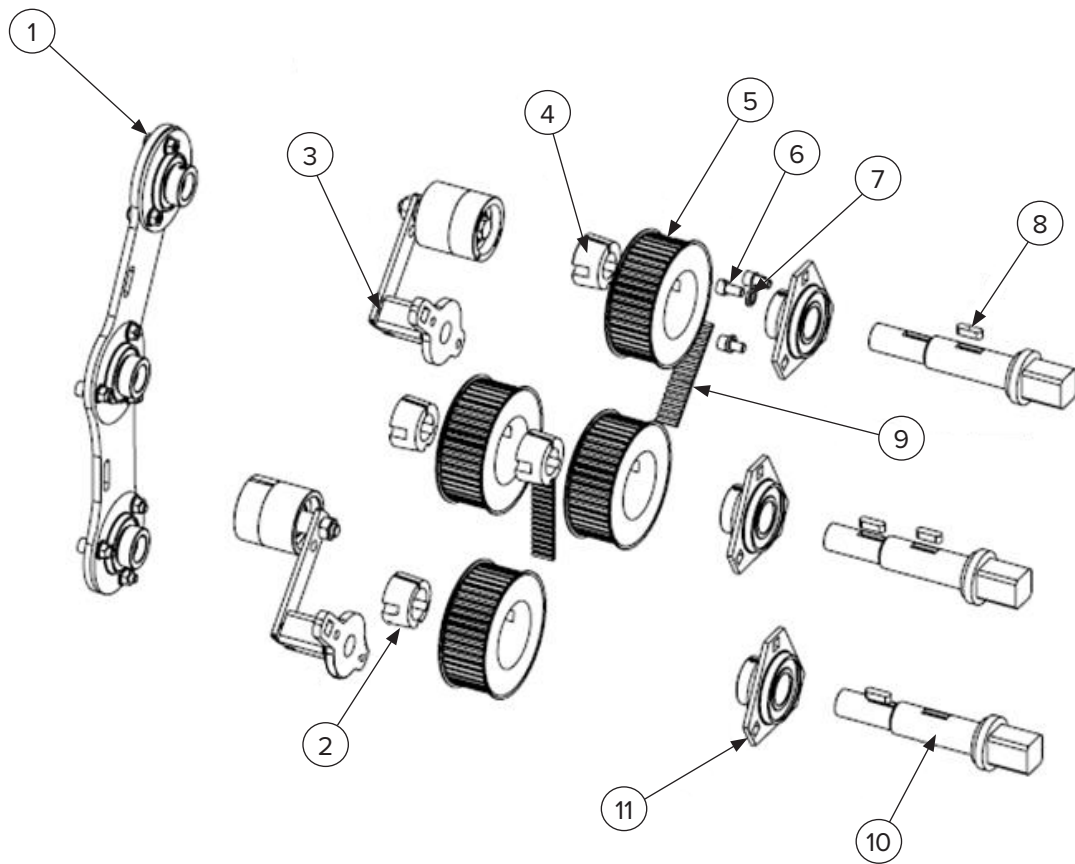
ROTOR F			
ITEM	PART NUMBER	DESCRIPTION	145135
1	03-99135	Nylon Locking Ring 90mm OD	2
2	03-80833	Poly Star (230mm Ten Finger) Blue	38
3	03-66775	145135 Rotor Shaft	1
4	03-86116	20mm Locking Ring	38

Rotor Assembly 145135

PART NUMBER	DESCRIPTION	QTY	NOTES
03-44762	Complete Rotor Assembly 145135	1	Consists of: 03-57574 QTY 2 03-45678 QTY 1 04-16041 QTY 3
03-57574	145135 Driven Motor Shaft	2	—
03-45678	145135 Driven Reversed Motor Shaft	1	—
03-16041	145135 Non-Driven Shaft	3	—

8. Part Breakdowns for 145135

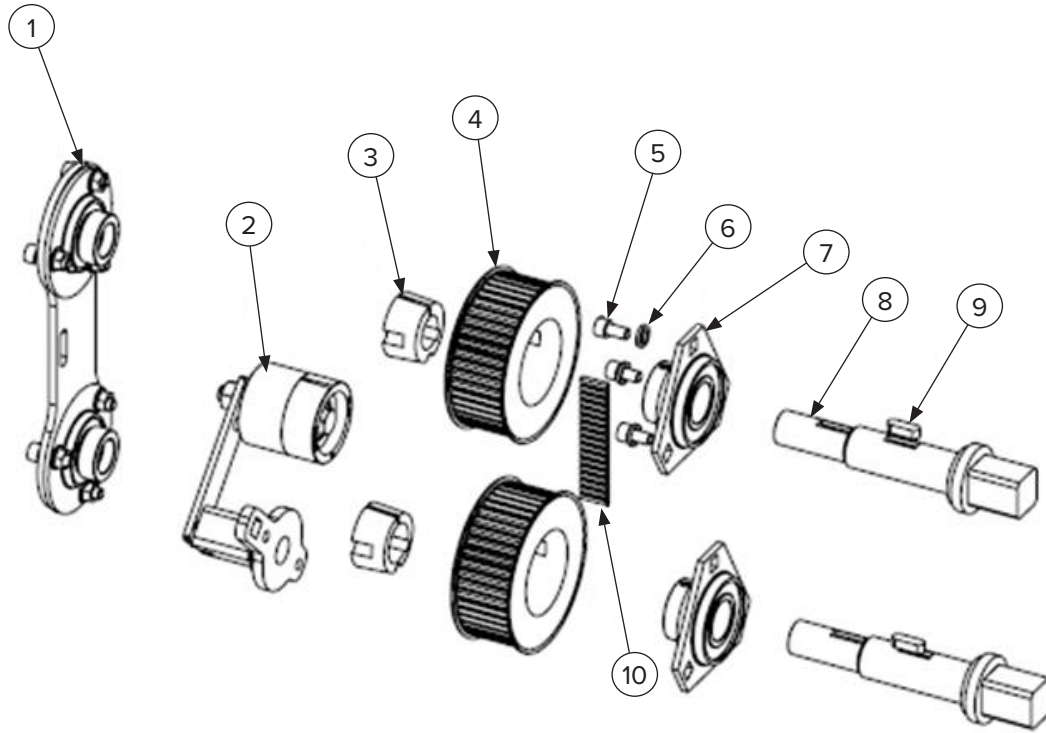
8.2 Driveline Shaft Assembly Driveline Group A



ITEM	PART NUMBER	DESCRIPTION	145135
1	—	See Bearing Support Plate A on page	—
2	02-14066	Taper Bush 2012-25	2
3	—	See Belt Adjuster Diagram on page 62	—
4	02-91615	Taper Bush 2012-30	2
5	02-45078	Carbon Belt Pulley (8MDC3645)	4
6	06-47900	M10 X 16mm Socket Cap Screw	9
7	06-23107	M10 Spring Washer	9
8	02-62292	Key	4
9	02-28566	Carbon Belt (8MDC-37)	2
10	02-51376	Keyed Shaft	3
11	02-23430	Bearing SLFFT30C99	3

8. Part Breakdowns for 145135

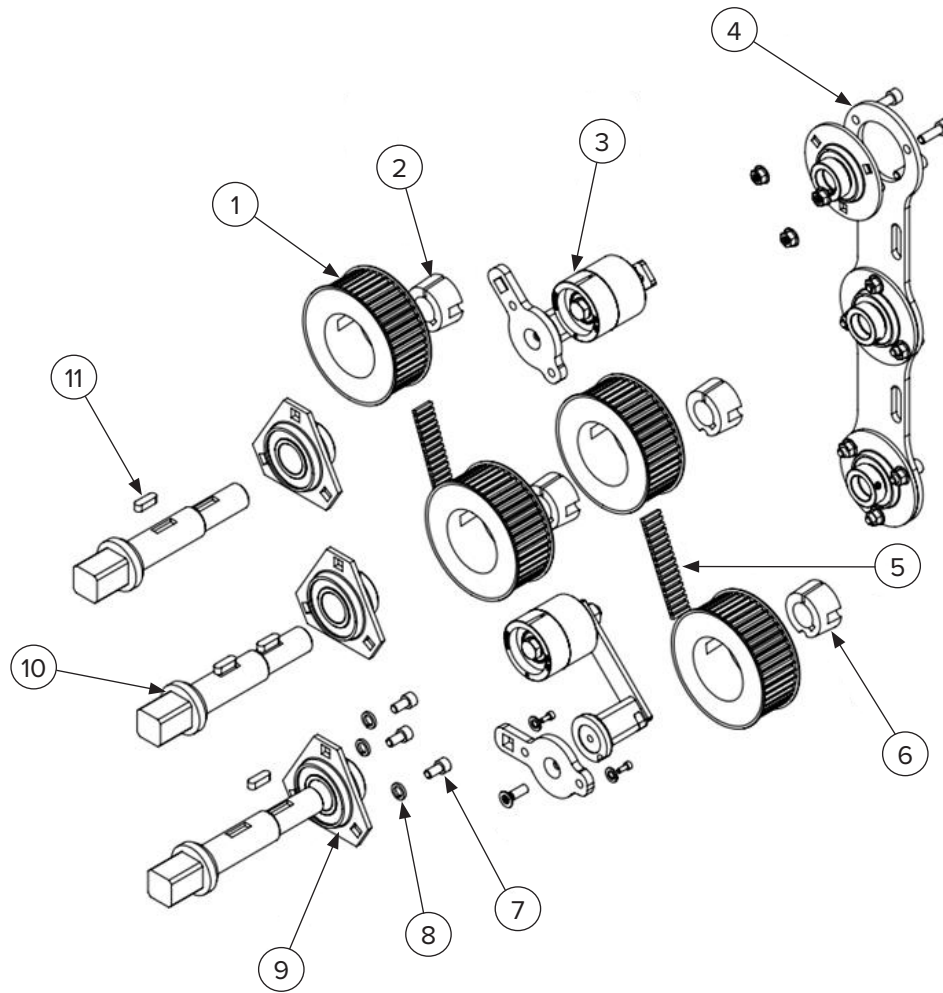
8.2 Driveline Shaft Assembly Cont'd Driveline Group B



ITEM	PART NUMBER	DESCRIPTION	145135
1	—	See Bearing Support Plate B on page	—
2	—	See Belt Adjuster Diagram on page 62	—
3	02-91615	Taper Bush 2012-30	2
4	02-45078	Carbon Belt Pulley (8MDC3645)	2
5	06-47900	M10 X 16mm Socket Cap Screw	6
6	06-23107	M10 Spring Washer	6
7	02-23430	Bearing SLFFT30C99	2
8	02-51376	Keyed Shaft	2
9	02-62292	Key	4
10	02-28566	Carbon Belt (8MDC-37)	2

8. Part Breakdowns for 145135

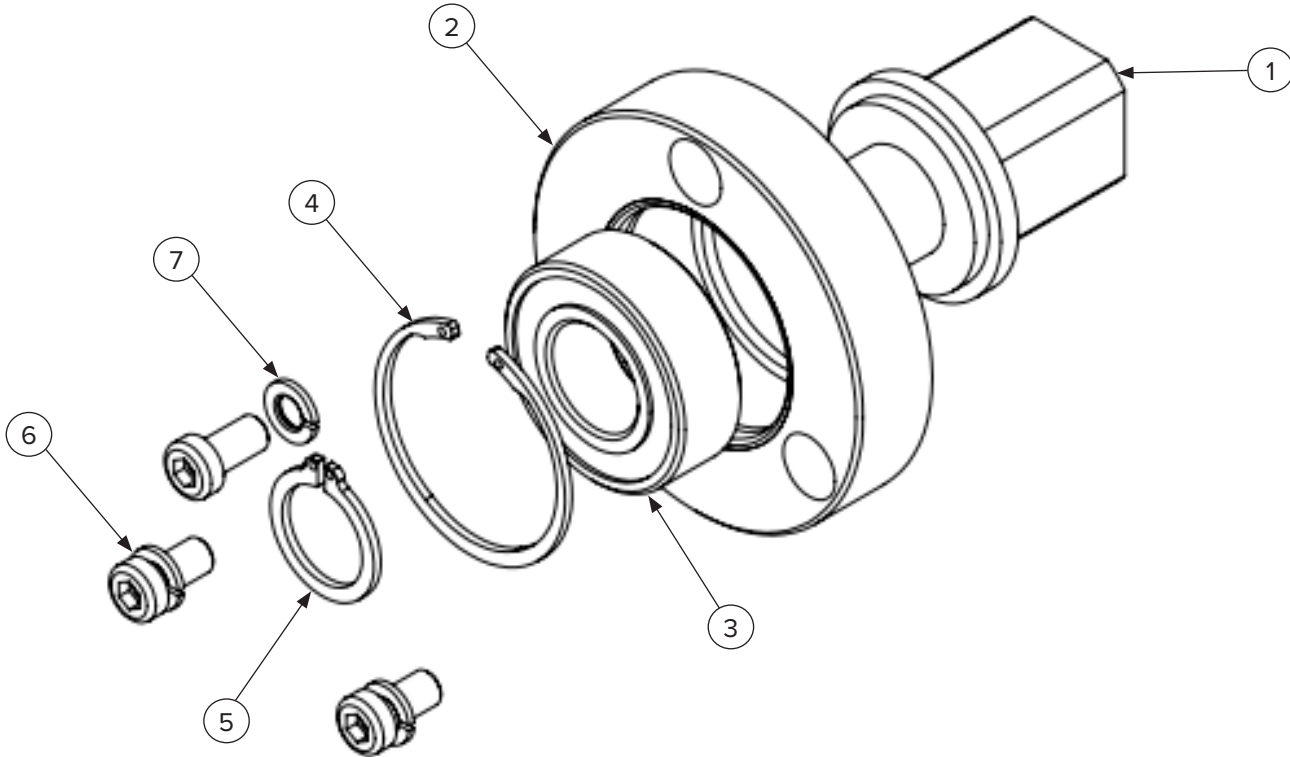
8.2 Driveline Shaft Assembly Cont'd Driveline Group C



ITEM	PART NUMBER	DESCRIPTION	145135
1	02-45078	Carbon Belt Pulley (8MDC3645)	4
2	02-91615	Taper Bush 2012-30	4
3	—	See Belt Adjuster Diagram on page 62	—
4	—	See Bearing Support Plate D on page	—
5	02-28566	Carbon Belt (8MDC-37)	2
6	02-14066	Taper Bush 2012-25	2
7	06-47900	M10 X 16mm Socket Cap Screw	9
8	06-23107	M10 Spring Washer	9
9	02-23430	Bearing SLFT30C99	3
10	02-51376	Keyed Shaft	3
11	02-62292	Key	5

8. Part Breakdowns for 145135

8.2 Driveline Shaft Assembly Cont'd Stub Shaft



ITEM	PART NUMBER	DESCRIPTION	145135
1	02-54762	Short Stub Shaft 6 Rotor	1
2	02-40685	Bearing Housing	1
3	02-56867	32052RS Bearing	1
4	02-66289	Circlip D1360 – 52mm	1
5	06-66588	M8 Spring Washer	3
6	06-20616	M8 x 16 Socket Cap Screw	3
7	02-61562	Circlip D1460 – 25mm	3

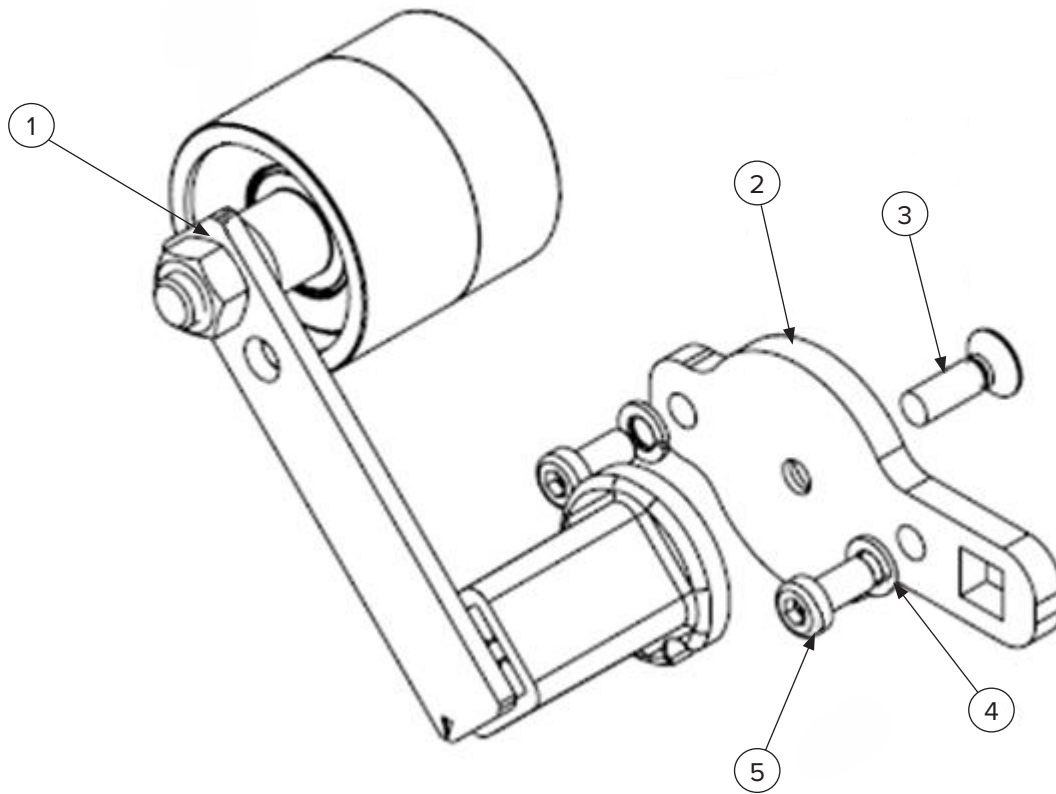
Note: The new stub shaft assembly can be fitted into all pre-2024 models with no other modifications required.

Shaft Assembly

PART NUMBER	DESCRIPTION	QTY	NOTES
02-96587	Keyed Shaft Assembly 145135	1	Consists of: 02-51376 QTY 1 02-23430 QTY 1
02-51376	Keyed Shaft	1	—
02-23430	Bearing SLFT30C99 with Housing	1	—
02-67115	Bearing Unit 6 Rotor 145135	1	—

8. Part Breakdowns for 145135

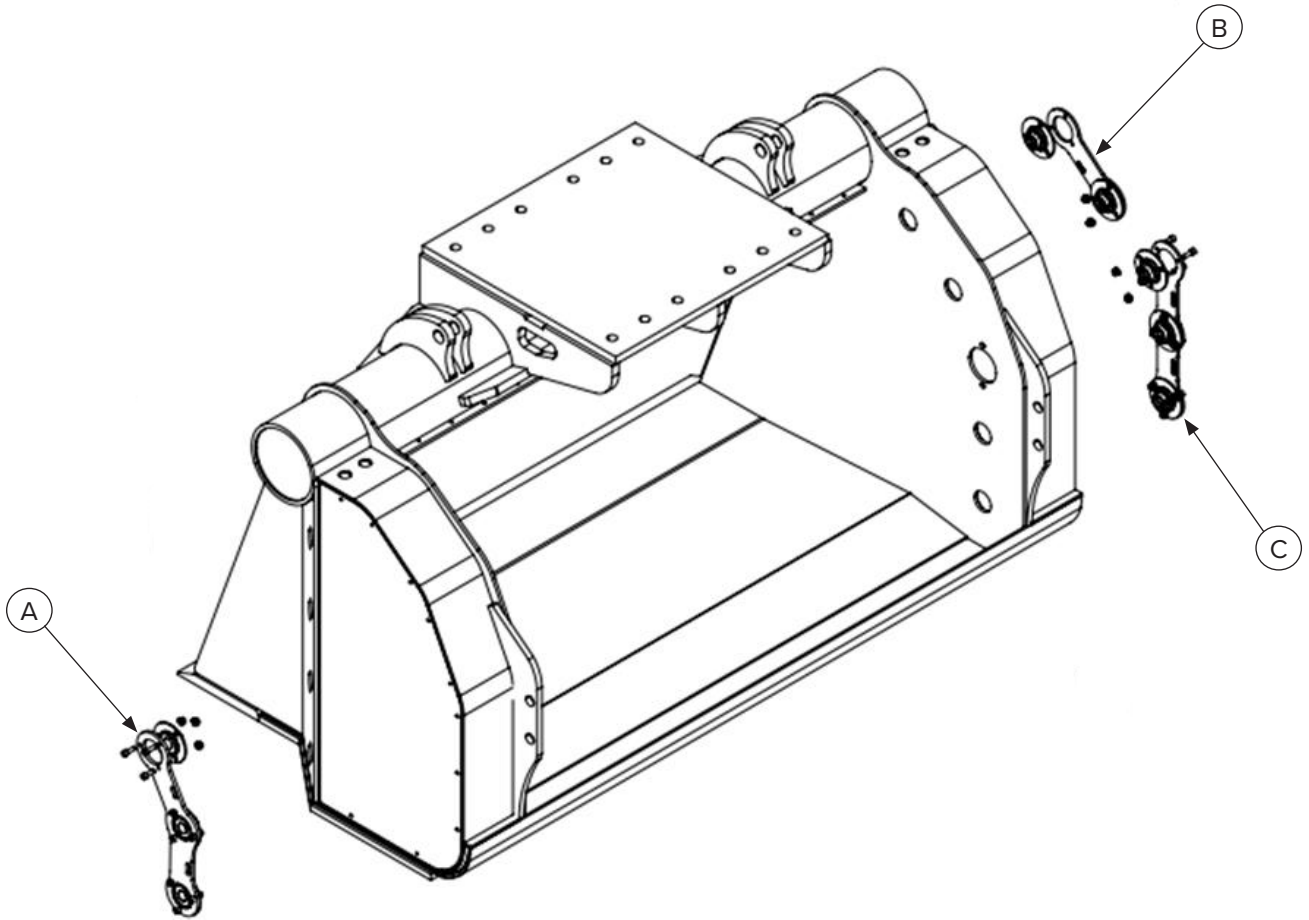
8.3 Belt Adjuster



ITEM	PART NUMBER	DESCRIPTION	145135
1	02-79369	Rosta Belt Adjuster	4
2	02-72480	Belt Adjuster Plate	4
3	06-45595	M8 X 25mm Stainless Steel Countersunk Screw	4
4	06-66588	M8 Spring Washer	8
5	06-20616	M8 X 16mm Socket Cap Screw	8

8. Part Breakdowns for 145135

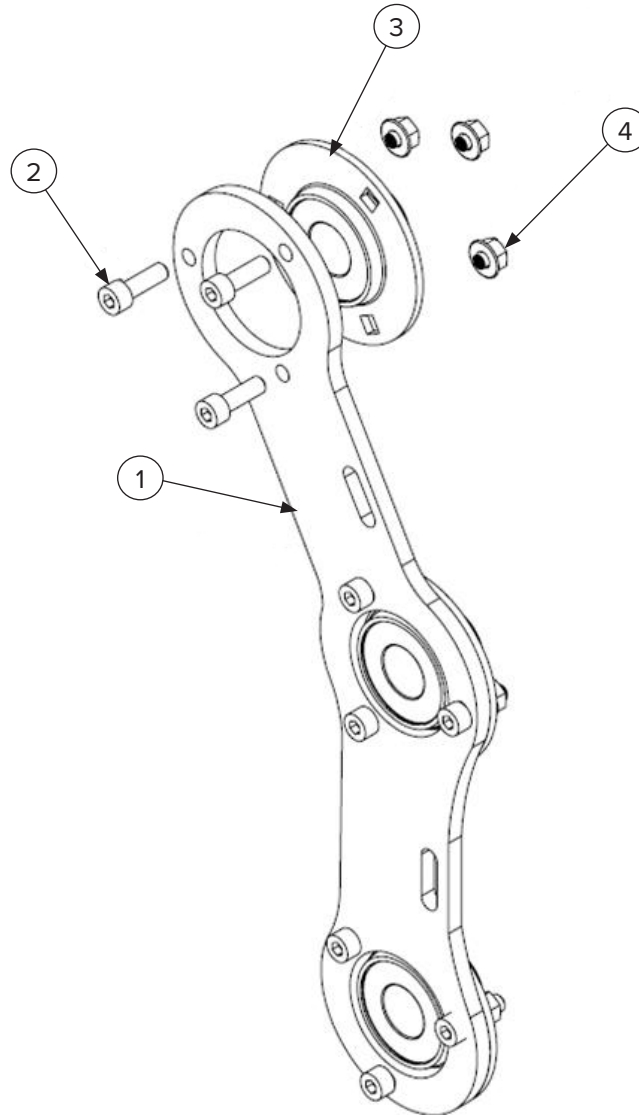
8.4 *Bearing Support Group* Bearing Support Group Overview



8. Part Breakdowns for 145135

8.4 Bearing Support Group Cont'd

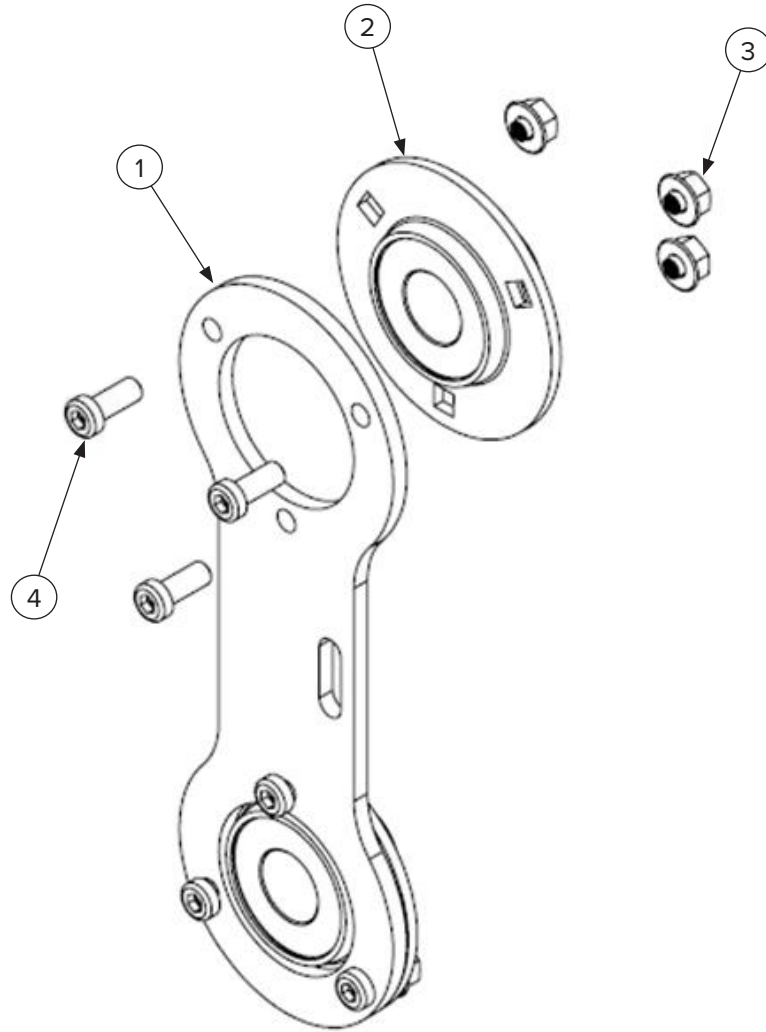
Bearing Support A



ITEM	PART NUMBER	DESCRIPTION	145135
1	02-81403	Angled Bearing Support Plate	1
2	06-24550	M8 X 20mm Socket Cap Screw	9
3	02-26057	Bearing SLFE25C99 with Housing	3
4	06-95773	M8 Flange Nut	9

8. Part Breakdowns for 145135

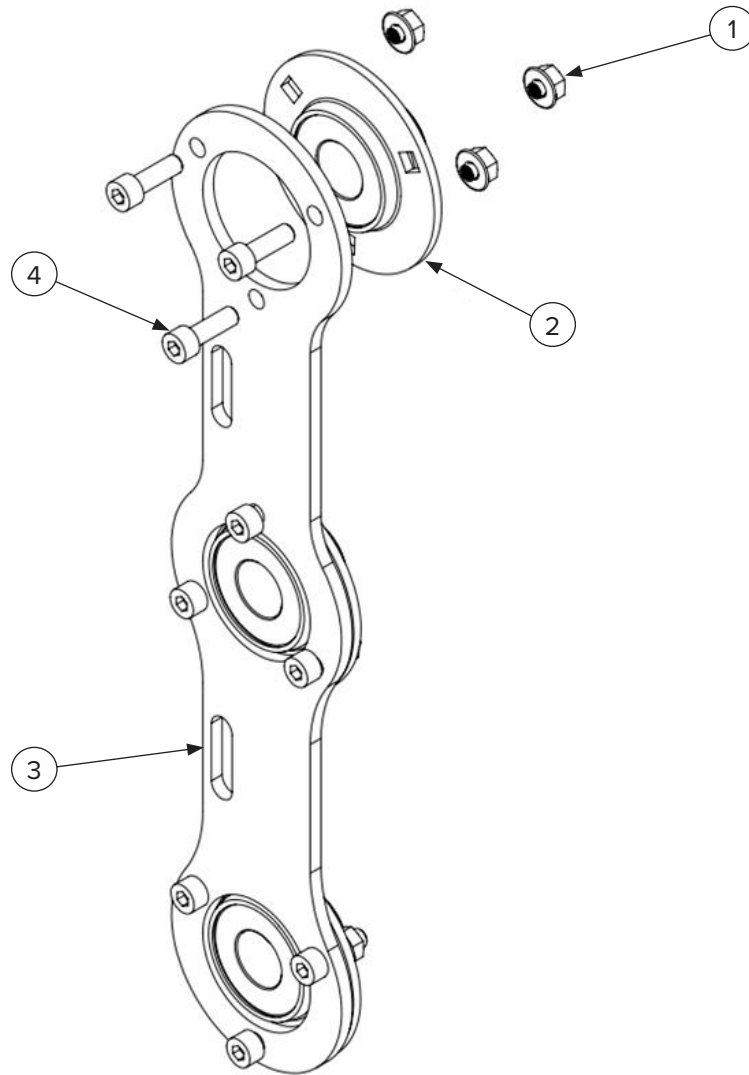
8.4 Bearing Support Group Cont'd Bearing Support B



ITEM	PART NUMBER	DESCRIPTION	145135
1	02-55196	Bearing Support Plate	1
2	02-26057	Bearing SLFE25C99 with Housing	2
3	06-95773	M8 Flange Nut	6
4	06-24550	M8 X 20mm Socket Cap Screw	6

8. Part Breakdowns for 145135

8.4 Bearing Support Group Cont'd Bearing Support C

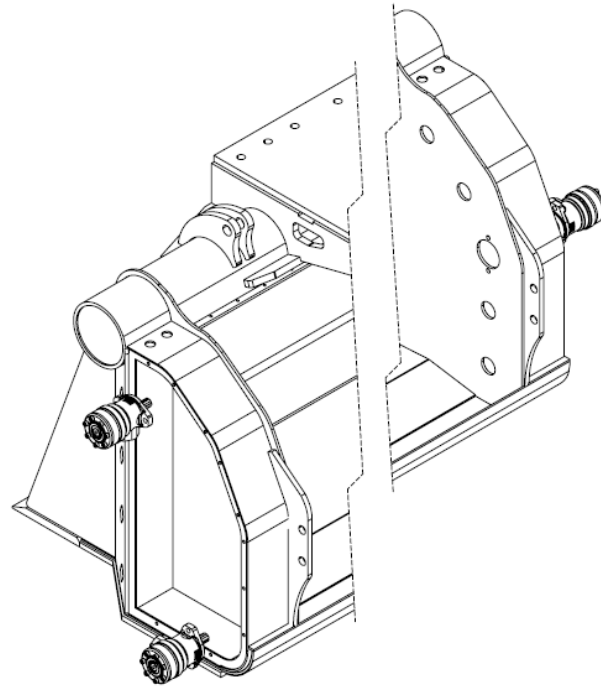


ITEM	PART NUMBER	DESCRIPTION	145135
1	06-95773	M8 Flange Nut	9
2	02-26057	Bearing SLFE25C99 with Housing	3
3	06-24550	M8 X 20mm Socket Cap Screw	9
4	02-20139	Straight Bearing Support Plate	1

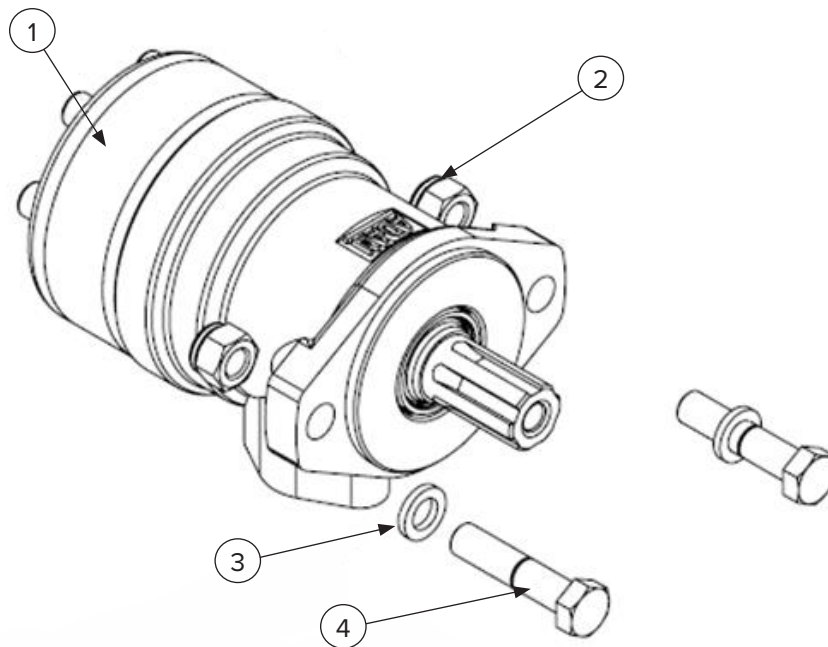
8. Part Breakdowns for 145135

8.5 Motor

Motor Placement



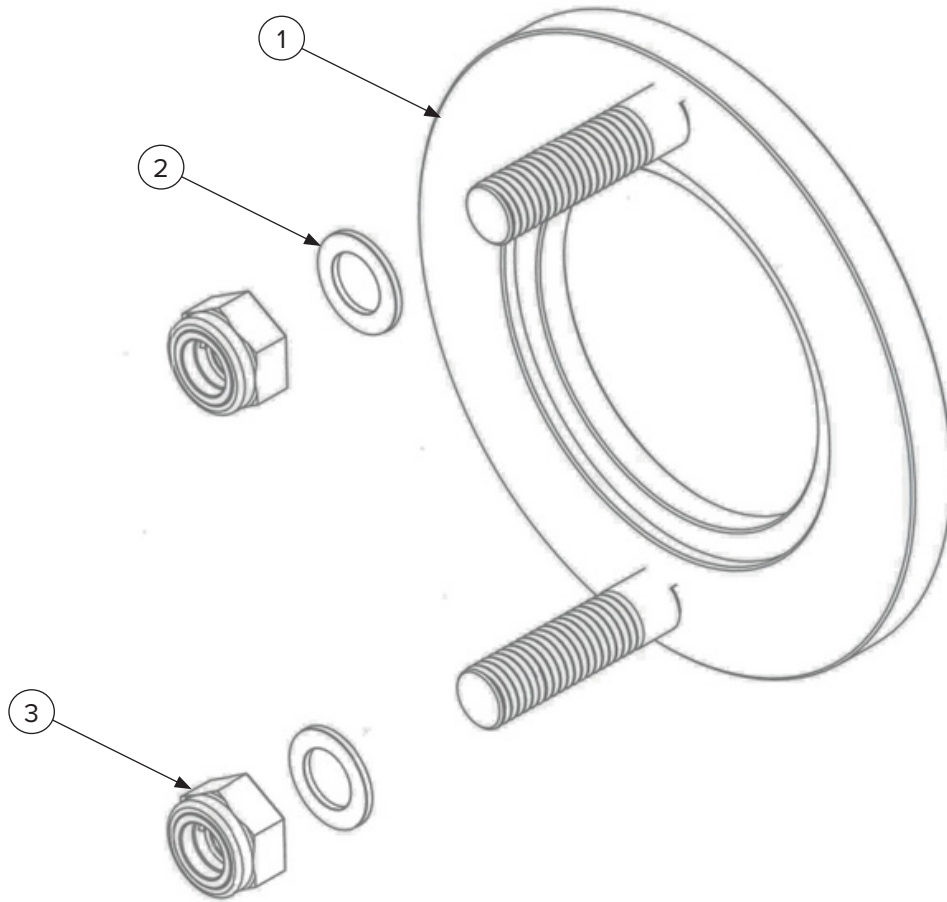
Motor Assembly



ITEM	PART NUMBER	DESCRIPTION	145135
1	04-74319	MR Motor 160cc Shaft HP Shaft Seal	3
2	06-21695	M12 Nyloc Nut	6
3	06-85970	M12 Form A Flat Washer	6
4	06-97778	M12 X 50mm Hexagon Bolts	6

8. Part Breakdowns for 145135

8.5 Motor Cont'd



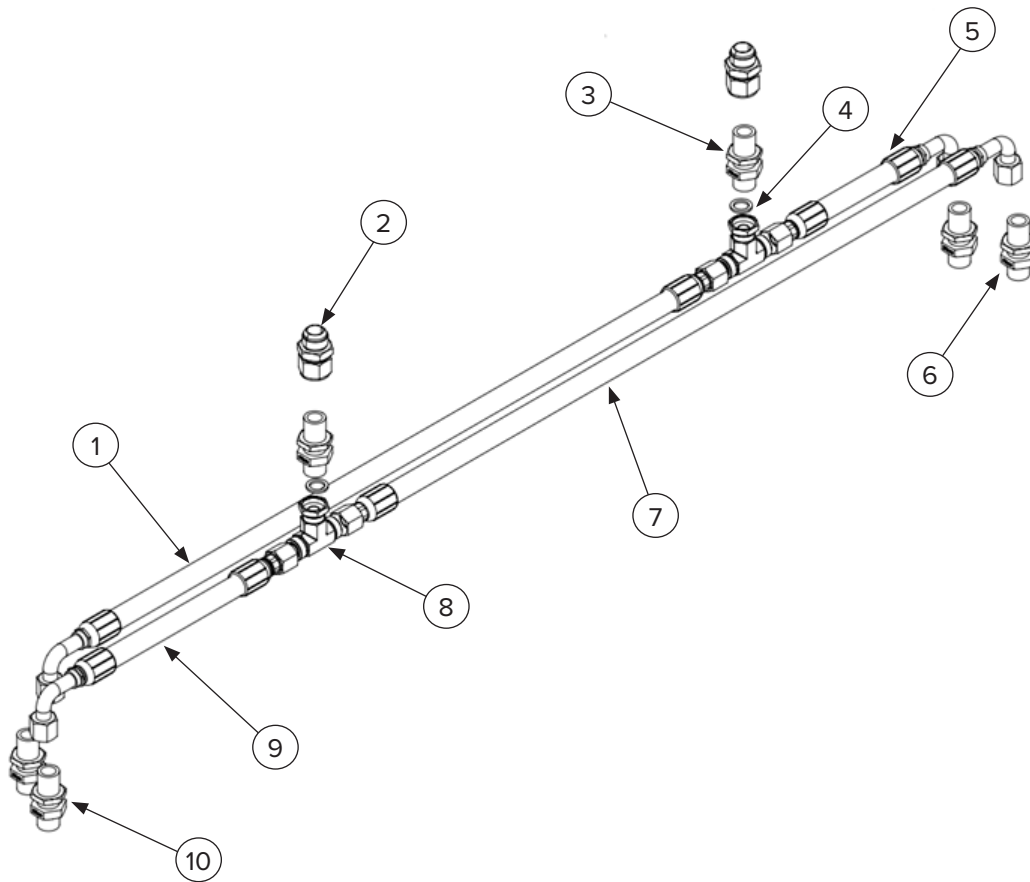
ITEM	PART NUMBER	DESCRIPTION	145115	145117	145120
1	03-96483	Sealing Ring	2	2	2
2	06-85970	M12 Form A Flat Washer	4	4	4
3	06-57851	M12 Nyloc Nut	4	4	4

Note: In the 2024 Model, the Sealing Ring (03-96483) replaces M12 x 50mm Hexagon Bolts (06-97778) in Motor Assembly.

8. Part Breakdowns for 145135

8.6 Hose Assemblies

Cross-Over Hose Group

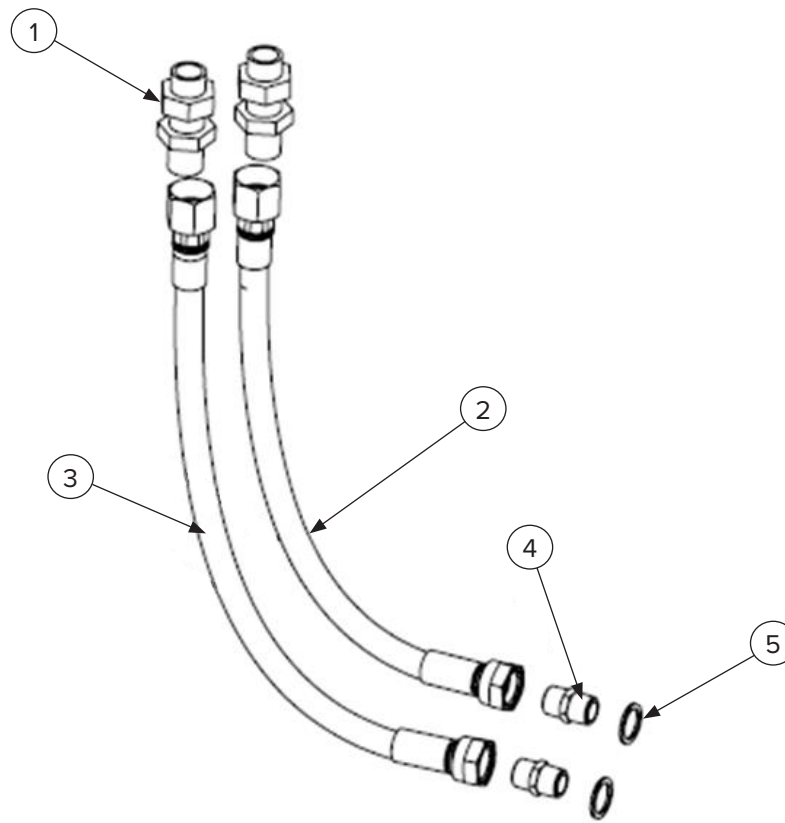


ITEM	PART NUMBER	DESCRIPTION	145135
1	04-65534	Hose	1
2	04-96125	1" BSP — 1 3/4" M JIC Adapter	2
3	04-42954	Bulkhead Fitting 1" BSP	2
4	04-17613	Bonded Seal 1"	2
5	04-21965	Hose	1
6	—	See Hose Group A Diagram on page 68	—
7	04-55391	Hose	1
8	04-87882	Tee Fitting F-F-F BSP 1"	2
9	04-71074	Hose	1
10	—	See Hose Group B Diagram on page 69	—

8. Part Breakdowns for 145135

8.6 Hose Assemblies Cont'd

Hose Group A

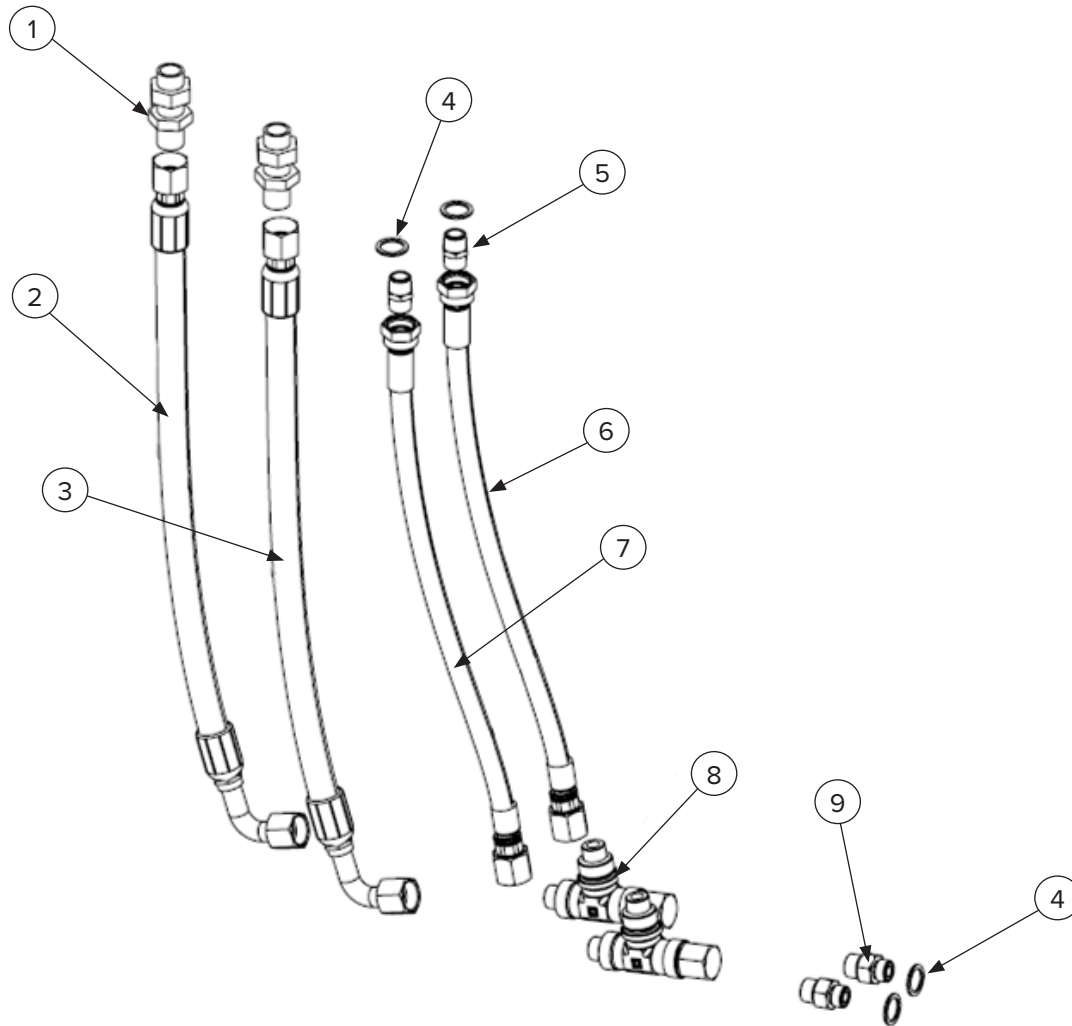


ITEM	PART NUMBER	DESCRIPTION	145135
1	04-36833	Bulkhead Fitting 3/4" BSP	2
2	04-42188	Hose	1
3	04-76783	Hose	1
4	04-80534	1/2" M — 1/2" M BSP Adapter	2
5	04-46759	Bonded Seal 1/2"	2

8. Part Breakdowns for 145135

8.6 Hose Assemblies Cont'd

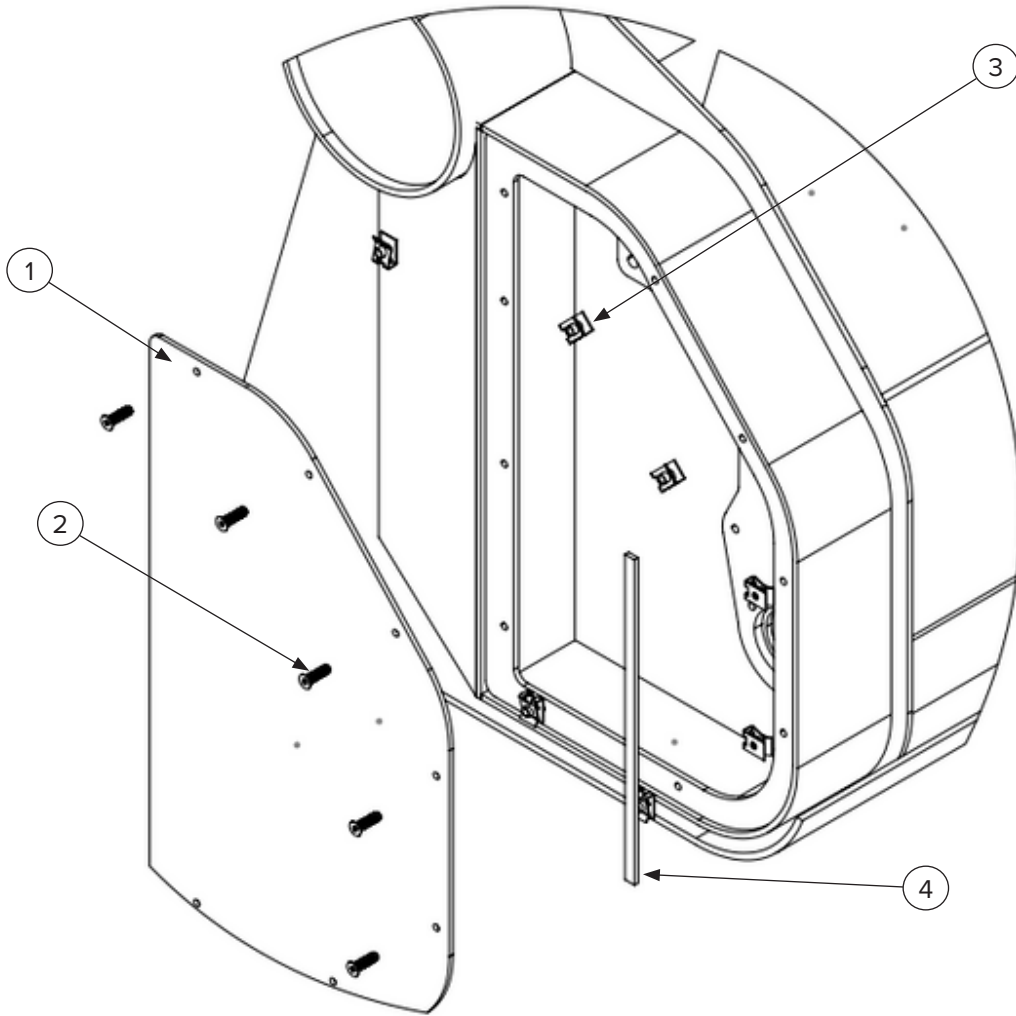
Hose Group B



ITEM	PART NUMBER	DESCRIPTION	145135
1	04-36833	Bullhead Fitting 3/4" BSP	2
2	04-83379	Hose	1
3	04-23514	Hose	1
4	04-46759	Bonded Seal 1/2"	4
5	04-80534	1/2" M — 1/2" M BSP Adapter	2
6	04-73756	Hose	1
7	04-66626	Hose	1
8	04-68802	Tee Fitting F-M-M 3/4" BSP	2
9	04-27713	3/4" M BSP — 1/2" M BSP Adapter	2

8. Part Breakdowns for 145135

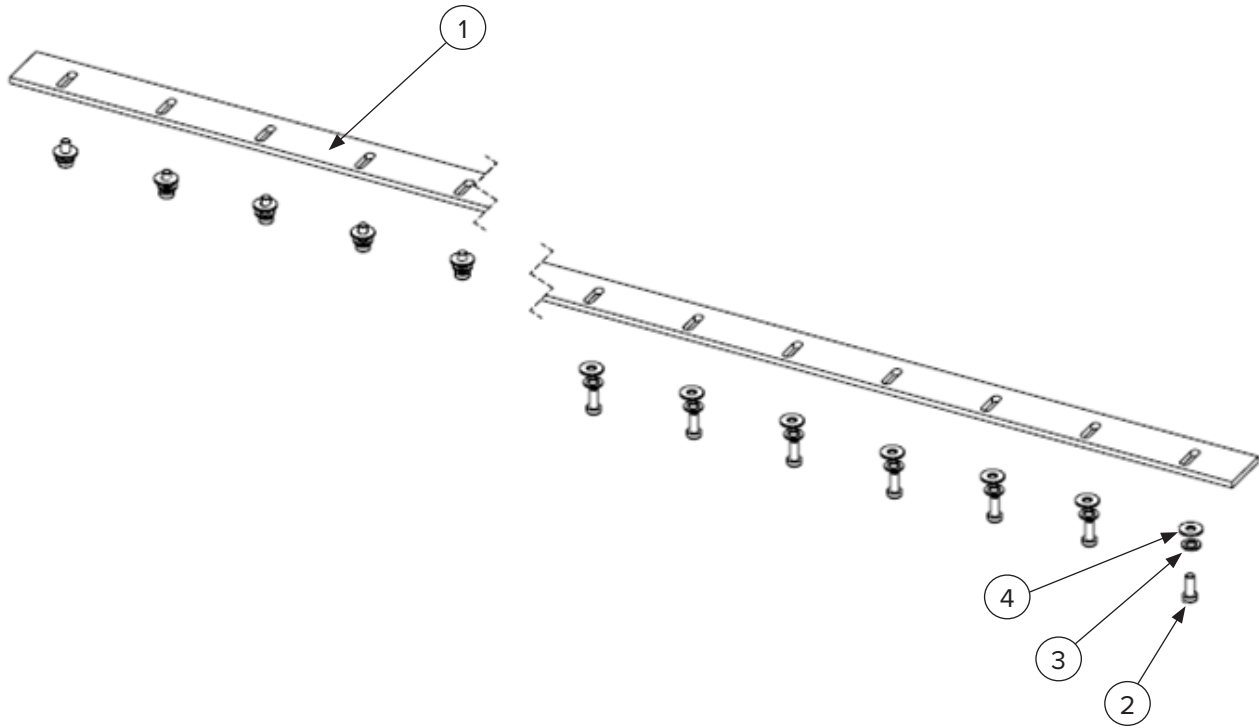
8.7 Door Group



ITEM	PART NUMBER	DESCRIPTION	145135
1	01-57483	6 Rotor Door Cover (Left)	1
	01-65748	6 Rotor Door Cover (Right)	1
2	06-57851	M6 X 25mm Socket Countersunk Screw	20
3	06-89811	M6 Speed Nut	20
4	07-89732	Self Adhesive Seal (1 meter length)	6

8. Part Breakdowns for 145135

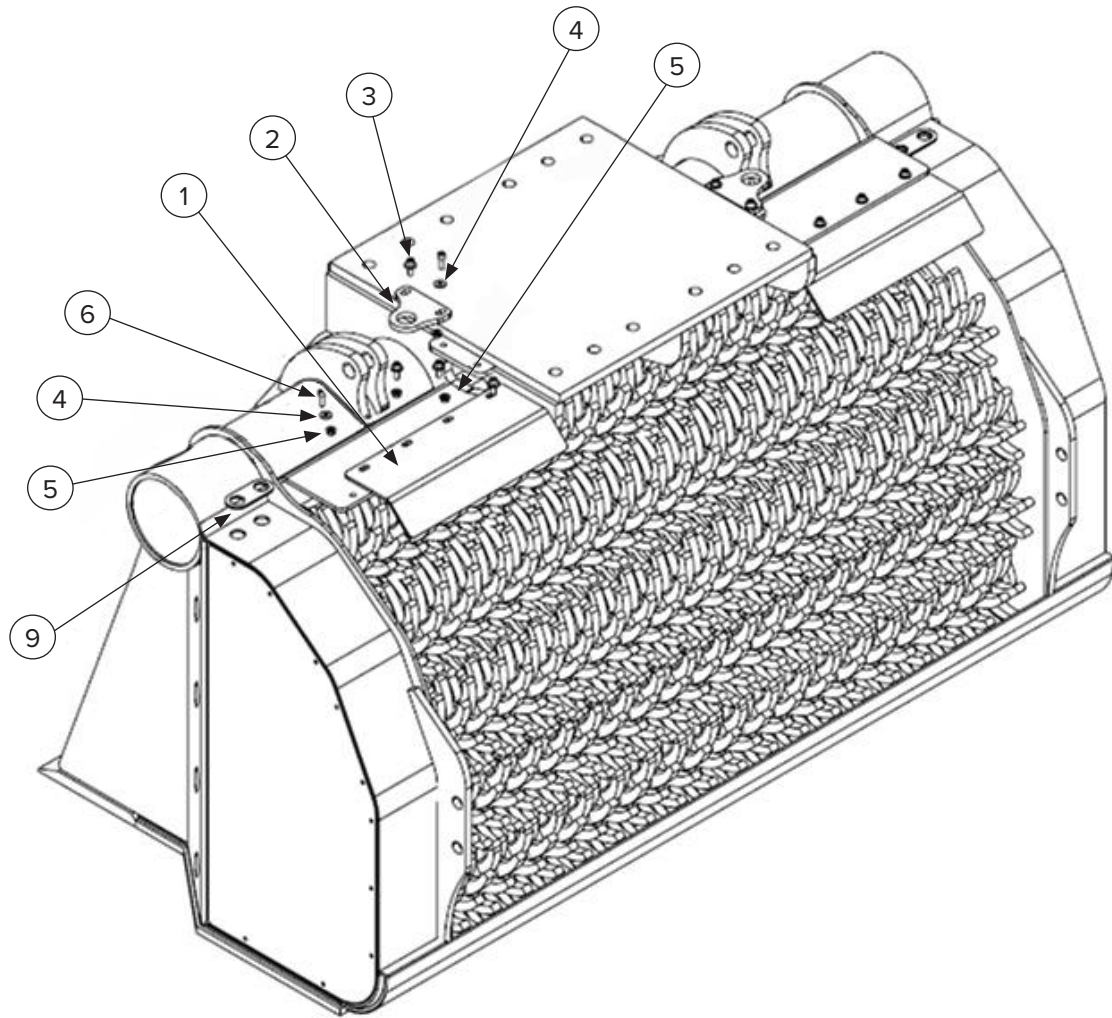
8.8 Stripper Plate



ITEM	PART NUMBER	DESCRIPTION	145135
1	05-62817	Stripper Plate	1
2	06-24550	M8 X 20mm Socket Cap Screw	15
3	06-66588	M8 Spring Washer	15
4	06-44950	M8 Flat Washer	20

8. Part Breakdowns for 145135

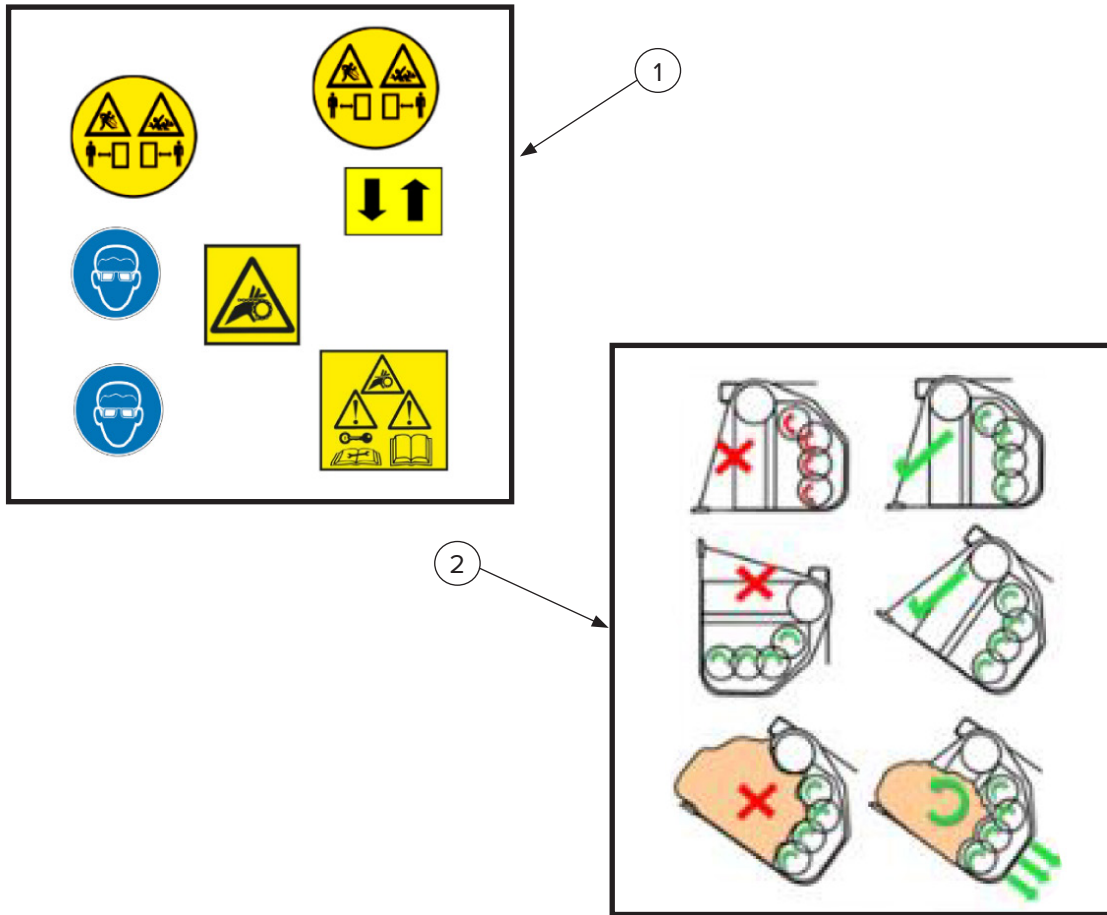
8.9 Accessories



ITEM	PART NUMBER	DESCRIPTION	145135
1	05-92216	Stone Guard	2
2	01-33950	Hose Ear	2
3	06-38462	M10 X 35mm Socket Cap Screw	4
4	06-83734	Flat Washer S10	20
5	06-18546	M10 Nyloc Nut	8
6	06-81127	M10 X 30mm Socket Cap Screw	8
7	01-20740	Hose Plate	2

9. Decals

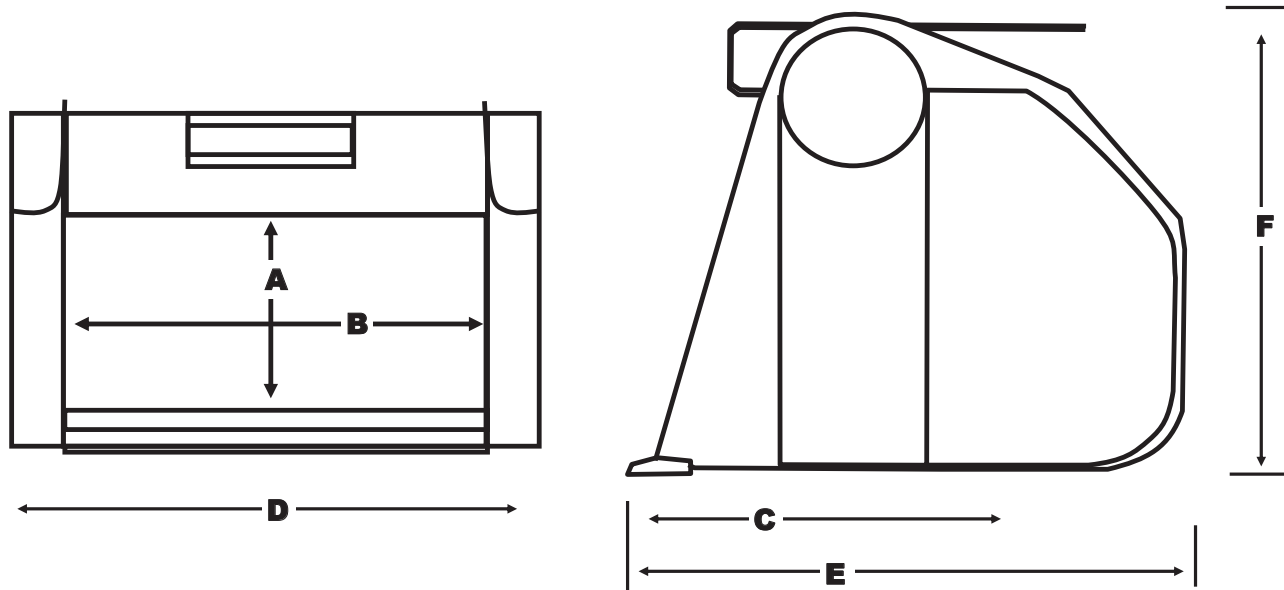
9.1 Safety Decals



ITEM	PART NUMBER	DESCRIPTION	145110	145010	145015
1	07-16894	Safety Decal Kit	1	1	1
2	07-50421	Advisory Decal One Size	1	1	1

10. Specifications

10.1 Attachment Specifications



MODEL NUMBER	SCREENING AREA (IN)		SCREENING AREA (MM)	
	A	B	A	B
145110	17	32	430	800
145010	17	47	430	1200
145015	17	59	430	1500
145115	24	39	615	1000
145117	24	47	615	1200
145120	24	59	615	1500
145135	41	59	1030	1500

10. Specifications

10.2 Attachment Specifications Cont'd

DESCRIPTION	145110	145010	145015	145115	145117	145120	145135
Scooping Depth (C) (in / cm)	20 in / 500 mm	20 in / 620 mm	20 in / 620 mm	23 in / 670 mm	23 in / 670 mm	22 in / 570 mm	35 in / 900 mm
Width (D) (in / mm)	40 in / 1010 mm	56 in / 1410 mm	74 in / 1710 mm	53 in / 1350 mm	61 in / 1350 mm	74 in / 1870 mm	74 in / 1870 mm
Full Depth (E) (in / mm)	30 in / 790 mm	30 in / 850 mm	30 in / 850 mm	32 in / 900 mm	32 in / 900 mm	32 in / 820 mm	53 in / 1340 mm
Height (F) (in / mm)	25 in / 640 mm	25 in / 640 mm	25 in / 640 mm	35 in / 880 mm	35 in / 880 mm	35 in / 880 mm	51 in / 1300 mm
Capacity (yd ³ / m ³)	0.24 yd ³ / 0.18 m ³	0.34 yd ³ / 0.26 m ³	0.46 yd ³ / 0.35 m ³	0.46 yd ³ / 0.35 m ³	0.52 yd ³ / 0.40 m ³	0.79 yd ³ / 0.60 m ³	1.57 yd ³ / 1.20 m ³

MODEL NUMBER	HYDRAULIC REQUIREMENT			
	FLOW (Gal/min)	FLOW (L/m)	PRESSURE (PSI)	PRESSURE (Bar)
145110	14.5	55	2900	200
145010	17.2	65	2900	200
145015	18.5	70	2900	200
145115	23.75	90	2900	200
145117	23.75	90	2900	200
145120	24	90	2900	200
145135	42	150	2900	200

10. Specifications

10.2 Torque Specifications

Standard Hardware and Lock Nuts

BOLT TYPE	CLASS 4.8		CLASS 8.8 OR 9.8		CLASS 10.9		CLASS 12.9		
	Size	Lubricated	Dry	Lubricated	Dry	Lubricated	Dry	Lubricated	Dry
M6		4.8 N•m	6 N•m	9 N•m	11 N•m	13 N•m	17 N•m	15 N•m	19 N•m
		3.5 in / lb	4.5 in / lb	6.5 in / lb	8.5 in / lb	9.5 in / lb	12 in / lb	11.5 in / lb	14.5 in / lb
M8		12 N•m	15 N•m	22 N•m	28 N•m	32 N•m	40 N•m	37 N•m	47 N•m
		8.5 in / lb	11 in / lb	16 in / lb	20 in / lb	24 in / lb	30 in / lb	28 in / lb	35 in / lb
M10		23 N•m	29 N•m	43 N•m	55 N•m	63 N•m	80 N•m	75 N•m	95 N•m
		17 in / lb	21 in / lb	32 in / lb	40 in / lb	47 in / lb	60 in / lb	55 in / lb	70 in / lb
M12		40 N•m	50 N•m	75 N•m	95 N•m	110 N•m	140 N•m	130 N•m	165 N•m
		29 in / lb	37 in / lb	55 in / lb	70 in / lb	80 in / lb	105 in / lb	95 in / lb	120 in / lb
M14		63 N•m	80 N•m	120 N•m	150 N•m	175 N•m	225 N•m	205 N•m	260 N•m
		47 in / lb	60 in / lb	88 in / lb	110 in / lb	130 in / lb	165 in / lb	150 in / lb	190 in / lb
M16		135 N•m	175 N•m	260 N•m	330 N•m	375 N•m	475 N•m	440 N•m	560 N•m
		100 in / lb	125 in / lb	195 in / lb	250 in / lb	275 in / lb	350 in / lb	325 in / lb	410 in / lb
M18		135 N•m	175 N•m	260 N•m	330 N•m	375 N•m	475 N•m	440 N•m	560 N•m
		100 in / lb	125 in / lb	195 in / lb	250 in / lb	275 in / lb	350 in / lb	325 in / lb	410 in / lb
M20		190 N•m	240 N•m	375 N•m	475 N•m	530 N•m	675 N•m	625 N•m	800 N•m
		140 in / lb	180 in / lb	275 in / lb	350 in / lb	400 in / lb	500 in / lb	460 in / lb	580 in / lb
M22		260 N•m	330 N•m	510 N•m	650 N•m	725 N•m	925 N•m	850 N•m	1075 N•m
		190 in / lb	250 in / lb	375 in / lb	475 in / lb	540 in / lb	675 in / lb	625 in / lb	800 in / lb
M24		330 N•m	425 N•m	650 N•m	825 N•m	925 N•m	1150 N•m	1075 N•m	1350 N•m
		250 in / lb	310 in / lb	475 in / lb	600 in / lb	675 in / lb	850 in / lb	800 in / lb	1000 in / lb
M27		490 N•m	625 N•m	950 N•m	1200 N•m	1350 N•m	1700 N•m	1600 N•m	2000 N•m
		360 in / lb	450 in / lb	700 in / lb	875 in / lb	1000 in / lb	1250 in / lb	1150 in / lb	1500 in / lb
M30		675 N•m	850 N•m	1300 N•m	1650 N•m	1850 N•m	2300 N•m	2150 N•m	2700 N•m
		490 in / lb	625 in / lb	950 in / lb	1200 in / lb	1350 in / lb	1700 in / lb	1600 in / lb	2000 in / lb
M33		900 N•m	1150 N•m	1750 N•m	2200 N•m	2500 N•m	3150 N•m	2900 N•m	3700 N•m
		675 in / lb	850 in / lb	1300 in / lb	1650 in / lb	1850 in / lb	2350 in / lb	2150 in / lb	2750 in / lb
M36		1150 N•m	1450 N•m	2250 N•m	2850 N•m	3200 N•m	4050 N•m	3750 N•m	4750 N•m
		850 in / lb	1075 in / lb	1650 in / lb	2100 in / lb	2350 in / lb	3000 in / lb	2750 in / lb	3500 in / lb

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Warranty

MANUFACTURER'S LIMITED WARRANTY

BLUE DIAMOND® ATTACHMENTS, a manufacturer of quality attachments, warrants new BLUE DIAMOND® ATTACHMENTS products and/or attachments at the time of delivery to the original purchaser, to be free from defects in material and workmanship when properly set up and operated in accordance with the recommendations set forth by BLUE DIAMOND® ATTACHMENTS, LLC.

BLUE DIAMOND® ATTACHMENTS liability for any defect with respect to accepted goods shall be limited to repairing the goods at a BLUE DIAMOND® ATTACHMENTS designated location or at an authorized dealer location, or replacing them, as BLUE DIAMOND® ATTACHMENTS shall elect. The above shall be in accordance with BLUE DIAMOND® ATTACHMENTS warranty adjustment policies. BLUE DIAMOND® ATTACHMENTS obligation shall terminate twelve (12) months for the Screening Bucket after the delivery of the goods to original purchaser.

This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the BLUE DIAMOND® ATTACHMENTS factory or authorized BLUE DIAMOND® ATTACHMENTS dealership or in any way so as in BLUE DIAMOND® ATTACHMENTS judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident beyond the company recommended machine rated capacity.

WARRANTY CLAIM

To submit a warranty claim, a claim must be filed with BLUE DIAMOND® ATTACHMENTS before work is performed. The BLUE DIAMOND® PRODUCT SUPPORT TEAM will advise repairs and applicable parts exchanges. Tampering with the failed part may void the warranty. This warranty does not include freight or delivery charges incurred when returning machinery for servicing. Dealer mileage, service calls, and pickup/delivery charges are the customers' responsibility.

EXCLUSIONS OF WARRANTY

Except as otherwise expressly stated herein, BLUE DIAMOND® ATTACHMENTS makes no representation or warranty of any kind, expressed or implied, AND MAKES NO WARRANTY OF MERCHANTABILITY IN RESPECT TO ITS MACHINERY AND/OR ATTACHMENTS ARE FIT FOR ANY PARTICULAR PURPOSE. BLUE DIAMOND® ATTACHMENTS shall not be liable for incidental or consequential damages for any breach or warranty, including but not limited to inconvenience, rental of replacement equipment, loss of profits or other commercial loss. Upon purchase, the buyer assumes all liability for all personal injury and property resulting from the handling, possession, or use of the goods by the buyer.

No agent, employee, or representative of BLUE DIAMOND® ATTACHMENTS has any authority to bind BLUE DIAMOND® ATTACHMENTS to any affirmation, representation, or warranty concerning its machinery and/or attachments except as specifically set forth herein.

This warranty policy supersedes any previous documents.

NOTE: Blue Diamond® Attachments is a trademark of BLUE DIAMOND® ATTACHMENTS



QUALITY | DEPENDABILITY | INTEGRITY

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