

LABOUNTY



PARTS MANUAL

MSD 2500 MODEL SHEARS HIGH NICKEL BLADES

520960 8/2025 Ver. 3

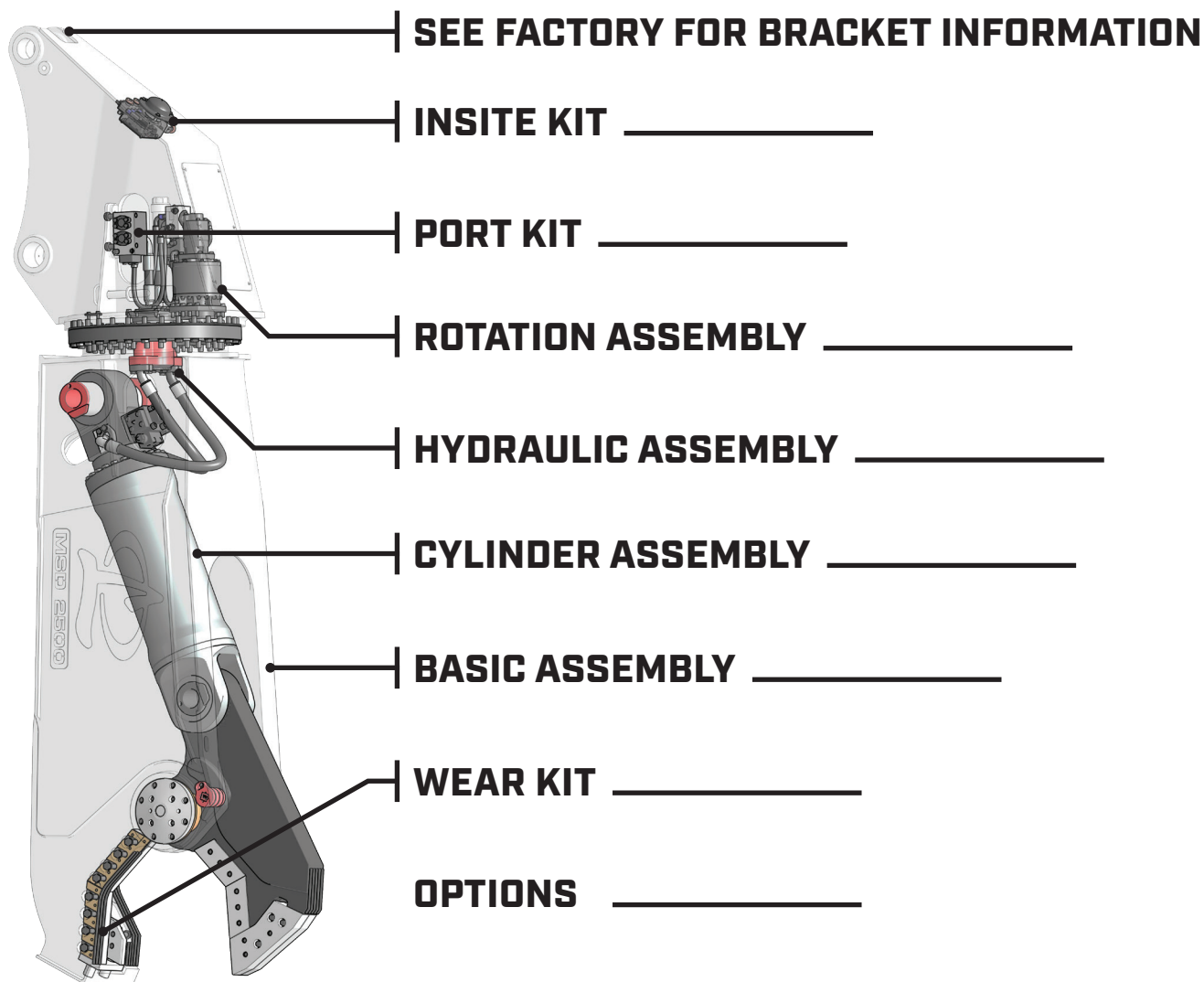
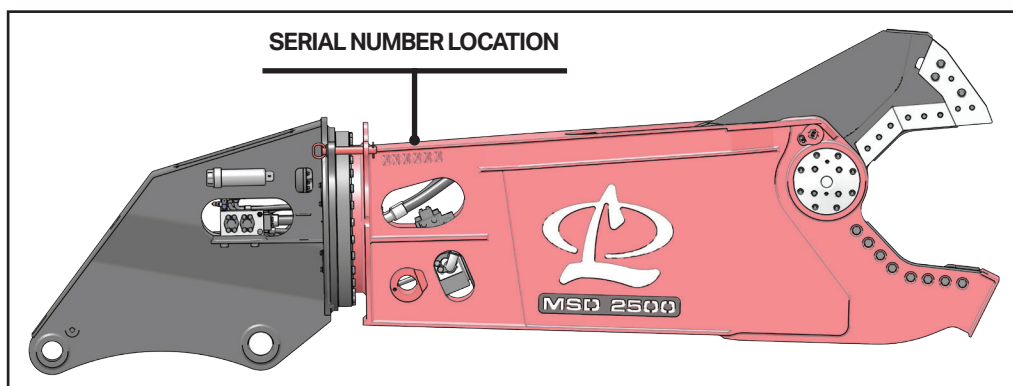
READ THIS FIRST

This parts manual contains part diagrams for most configurations of the MSD Legend 2500 model shear. Your shear will not have all the parts listed in this manual. The information below shows the exact assembly numbers for your shear and the pages where those diagrams can be found.

If you have questions, contact LaBounty Customer Service at (833) 723-1843.

ATTACHMENT INFORMATION

SERIAL NUMBER



SAFETY FIRST

**Read the Safety, Operation and
Maintenance Manual before
operating or servicing the equipment.**

**Keep the manual with the attachment
so it is available for reference.**

This manual contains information for the safe and proper operation and maintenance of the attachment. Read the entire manual and the manual provided with the carrier machine before the initial start-up of the attachment. It is important to know the correct operating procedures of the attachment and all safety precautions to prevent the possibility of property damage and personal injury.

The LaBounty attachment has been designed and manufactured with high quality materials and care in workmanship. The instructions in this manual have been prepared to ensure that, when followed properly, the attachment will provide efficient and reliable service.

Continuing product development and improvement may have caused changes in the attachment which are not reflected in this manual. If a question arises regarding the operation or maintenance of the attachment, contact a LaBounty dealer for the most current information available.,

	The Safety Alert Symbol alerts you to potential personal injury hazards. Obey all safety messages that follow to avoid possible injury or death.
 DANGER	Indicates an imminently hazardous situation which will result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which could result in death or serious injury.
 CAUTION	Indicates hazards that could result in damage to the equipment or personal injury.
 NOTICE	Indicates important procedures.



Your safety and the safety of others is a direct result of how you operate and maintain your equipment. Read and understand this manual and other safety information provided with the base machine and be sure that you understand all controls and operating

instructions before attempting to operate this equipment. Failure to follow the safety precautions can result in personal injury, death or property damage.

Carefully read all safety messages in this manual and on your equipment safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.

Because LaBounty cannot foresee all hazardous circumstances, the precautions listed in this manual and on the equipment are not all-inclusive. If a procedure, method, tool or part is not specifically recommended by LaBounty, determine whether it is safe for you and others, and that the equipment will not be damaged or made unsafe as a result of your decision to implement it.

The basic rules are summarized in this section of the manual. They also appear throughout the manual along with additional specific rules for safety and operation.

GENERAL

- If the attachment is not functioning properly, shut down the machine, follow proper Lock-out / Tag-out procedures and follow proper repair procedures.
- Remove and replace any damaged or worn parts with parts recommended by LaBounty. Use of parts that are not factory approved may cause damage or unnecessary downtime and may void the warranty.
- NEVER operate equipment without the original safety guards in place.
- DO NOT process material with the attachment over the operator's cab. Doing so will result in severe personal injury or death from falling debris.
- DO NOT attempt to process brittle materials, such as axles and railroad rail. DO NOT process any material in a position that may propel it toward the operator, other workers, buildings or equipment.
- Clear all persons and equipment from the area of operation and machine movement. NEVER move loads over people or equipment. When viewing the operation of the attachment, maintain a safe distance of at least 75 feet (23 meters).
- NEVER approach power lines with any part of the machine. Keep clear at a minimum of 15 feet (5 meters).
- DO NOT close the attachment on a structure and reverse the excavator in an attempt to pull down material.
- Use of this tool on certain materials could generate dust potentially containing a variety of hazardous substances, such as, asbestos, silica or lead. Inhalation of dust containing these, or other hazardous substances could result in serious injury, cancer or death. Protect yourself and those around you. Research and understand the materials you are processing. Follow safety procedures and comply with all applicable national, state or provisional health and safety regulations relating to them. If appropriate, arrange for the safe disposal of the materials by a qualified person.
- Disassembly of any pin-connected attachment can be hazardous. NEVER remove any pin unless the attachment is on the ground and blocked up. Serious injury or death could result. Metal chips or debris may

fly when a connecting pin is struck. Use a brass drift when striking pins and always wear protective clothing and proper eye protection. Pins may fly when struck with force to drive them in or out. Always keep people clear when removing or installing pins.

- Do not operate this, or any other equipment, under the influence of drugs or alcohol.
- DO NOT modify LaBounty equipment without factory authorization. This equipment is designed to do a specific job and alterations could result in injury.
- ALWAYS lower the boom to the ground before leaving the cab. If it is necessary to work on an attachment off the ground, securely support the machine and attachment. DO NOT support the machine on cinder blocks, hollow tiles or props that may crumble under continuous load. DO NOT rely on a cylinder to hold the attachment in the air. If a control is moved or hydraulic pressure is otherwise released, the attachment may drop. DO NOT work under a machine that is supported only by a jack.
- DO NOT weld on any structural member unless specifically authorized by LaBounty. Unauthorized welding will void the warranty, may cause structural failure and could result in personal injury.
- Keep clear of potential pinch points, including the moving upper jaw, cylinder connections, bucket linkages and other moving parts.
- Before operating the attachment, read and observe all safety instructions in the Operation & Maintenance manual. If you are unfamiliar with any operation or maintenance procedure, seek instruction before proceeding.
- Inspect the attachment daily. Do not operate a poorly maintained or damaged attachment.
- Never operate a machine if an unsafe condition exists. Attach a "Do Not Operate" tag to the machine.

BASE MACHINE

- Ensure that the cab is equipped with the proper safety guards for LaBounty applications. The cab MUST be equipped with an approved Falling Object Protection Structure (FOPS) and cab guarding. The FOPS must meet the requirements of SAE standard J1356. A transparent, shatter-resistant shield covering the front of the cab, is also required. Contact your base machine equipment dealer or manufacturer for more information on the availability of FOPS and cab guarding. Lack of proper FOPS and guards may result in injury or death.
- Avoid tipping. The attachment will alter the lift capacities of the base machine. DO NOT overload the excavator or serious injury could result. Lift capacities will vary if the base machine is not on level ground. Lifting incorrectly can cause severe injury or machine damage. Use the recommended excavator counterweight. Use short slings and lift the load only as high as necessary.
- DO NOT allow riders on the machine. Riders are

subject to serious injuries, such as being struck by foreign objects or being thrown off the machine. Riders also distract and obstruct the operator, resulting in the machine being operated in an unsafe manner. NEVER use the attachment as a work platform or personnel carrier.

- Check ground conditions before operating. Avoid unstable or slippery areas and position the base machine on firm, level ground. If level ground is not possible, position the base machine to use the attachment to the front or back of the carrier. Avoid working over the side of the base machine.

SAFELY OPERATE EQUIPMENT

- Establish a training program for all operators to ensure safe operation.
- Do not operate the tool or attachment unless thoroughly trained or under the supervision of a qualified operator or instructor.
- Know and obey all OSHA regulations, local laws, and other professional guidelines for your operation.
- Know your work site safety rules. When in doubt on any safety issue, contact your supervisor or safety coordinator.
- Assess risks to yourself and others around you before operating the tool or attachment. Start in a work area without bystanders and assess the risks to bystanders including, but not limited to, the risk of serious injury or death caused by the tool or accessories dropped from an elevated height.
- Do not operate the equipment from anywhere other than the correct operator's position.
- Do not alter or remove any safety feature from the excavator or attachment.
- Stay alert, watch what you are doing and use common sense when operating the tool. Do not operate the tool or attachment if you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating the tool may result in serious injury.

HYDRAULIC

- Do not operate at temperatures above 120°F or below -10° F (-23° C).
- Use only clean hydraulic oil, filling equipment, and lubricants.
- Hydraulic oil becomes hot during operation. DO NOT come in contact with hot hydraulic oil as it could cause severe burns. Wear adequate protective clothing and safety equipment.
- DO NOT tamper with hydraulic lines or components while they are pressurized. Escaping fluid under pressure can penetrate the skin, causing serious injury. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard to search for leaks. If ANY fluid is injected into the skin, seek immediate medical assistance.

PPE

- ALWAYS wear close-fitting clothing and safety equipment appropriate to the job. Safety equipment should be worn at all times when viewing, operating or maintaining the attachment. Safety equipment includes eye protection, hard hat, steel toe shoes, gloves, hearing protection and respirator.

INSITE COMPLIANCE

- This device can be expected to comply with Part 15 of the FCC Rules provided it is assembled in exact accordance with the instructions provided with this kit. Operation is subject to the following conditions:
 1. this device may not cause harmful interference, and
 2. this device must accept any interference received including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
-
- This device complies with Industry Canada ICES-003 standard(s). Operation is subject to the following two conditions:
 1. This device may not cause harmful interference, and
 2. This device must accept any interference received, including interference that may cause undesired operation.

INSITE ELECTRICAL

- Never open any InSite component or attempt to access the inside of any component. Risk of electric shock. If you suspect tool damage, contact your dealer for service.
- Do not use damaged cords or plugs with this tool. Damaged cords increase the risk of electric shock. Check all cords and plugs regularly.
- To reduce the risk of electric shock, disconnect and lock-out / tag-out all electrical power sources before attempting to install or clean the tool.
- Do not weld on the attachment or excavator with InSite connected to power. Damage to the InSite electronics may result. Disconnect the InSite power cable before welding.

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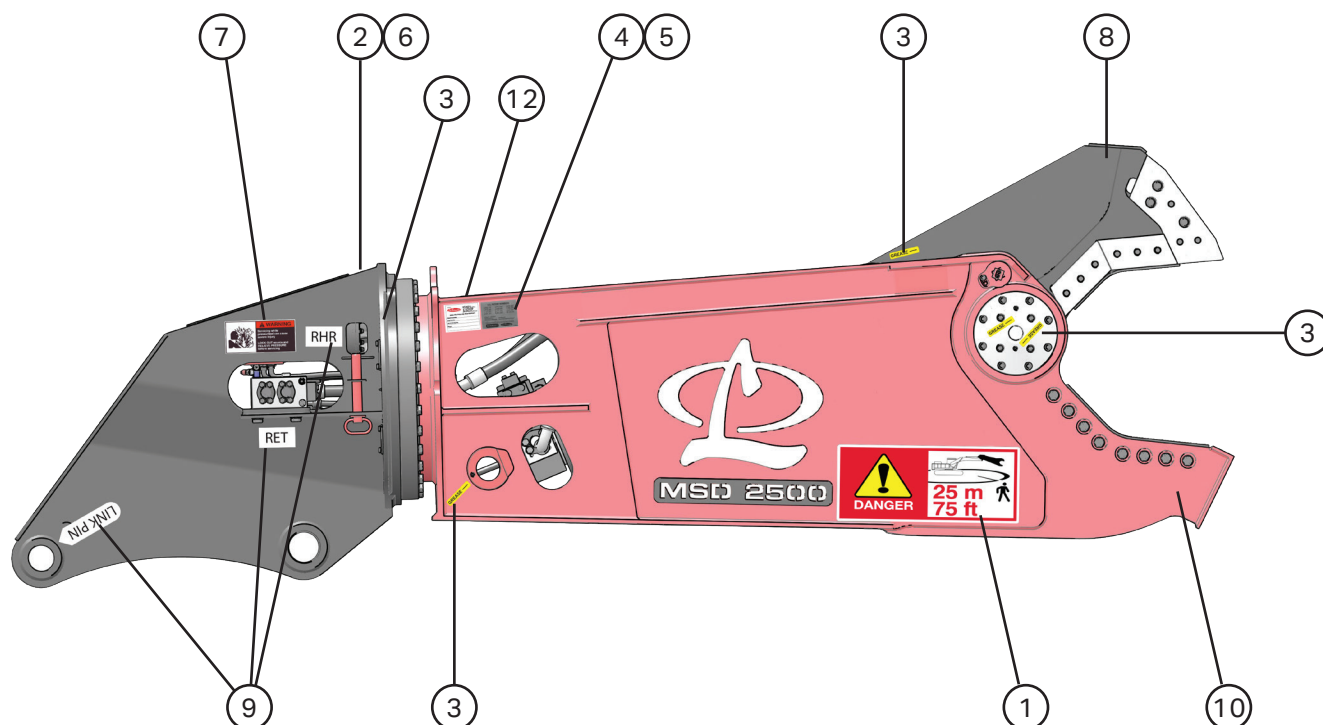
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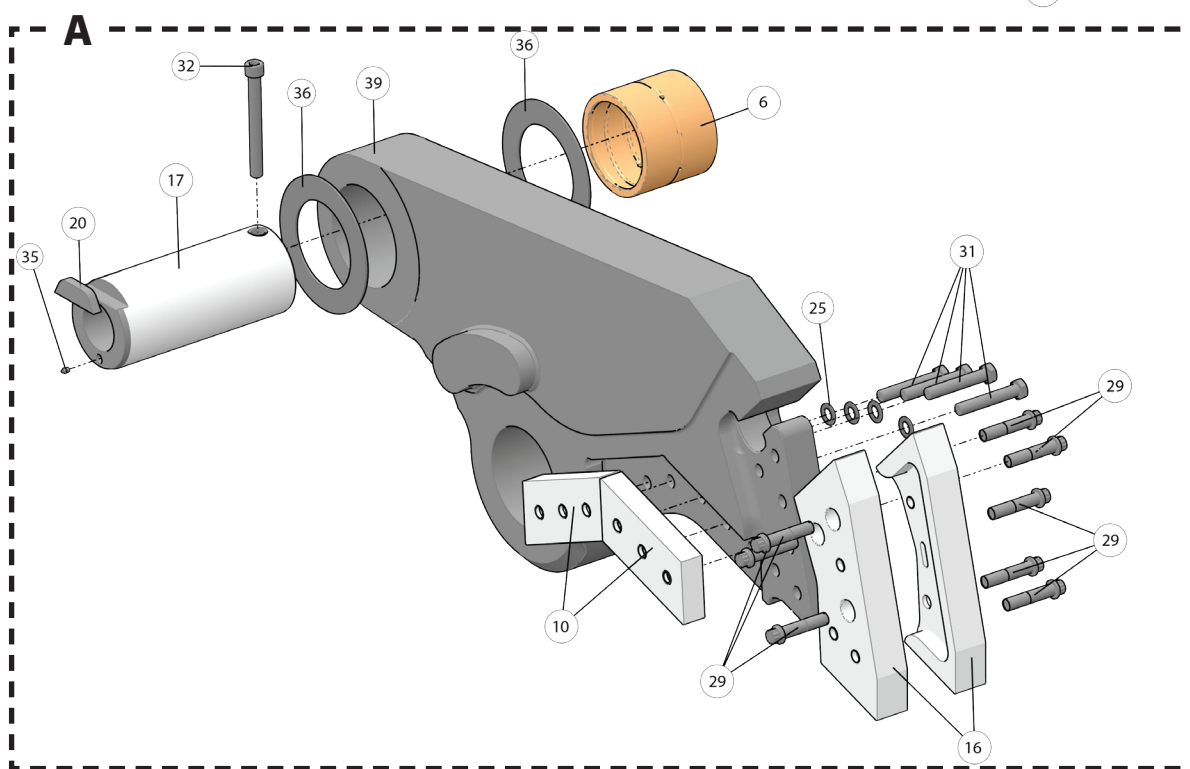
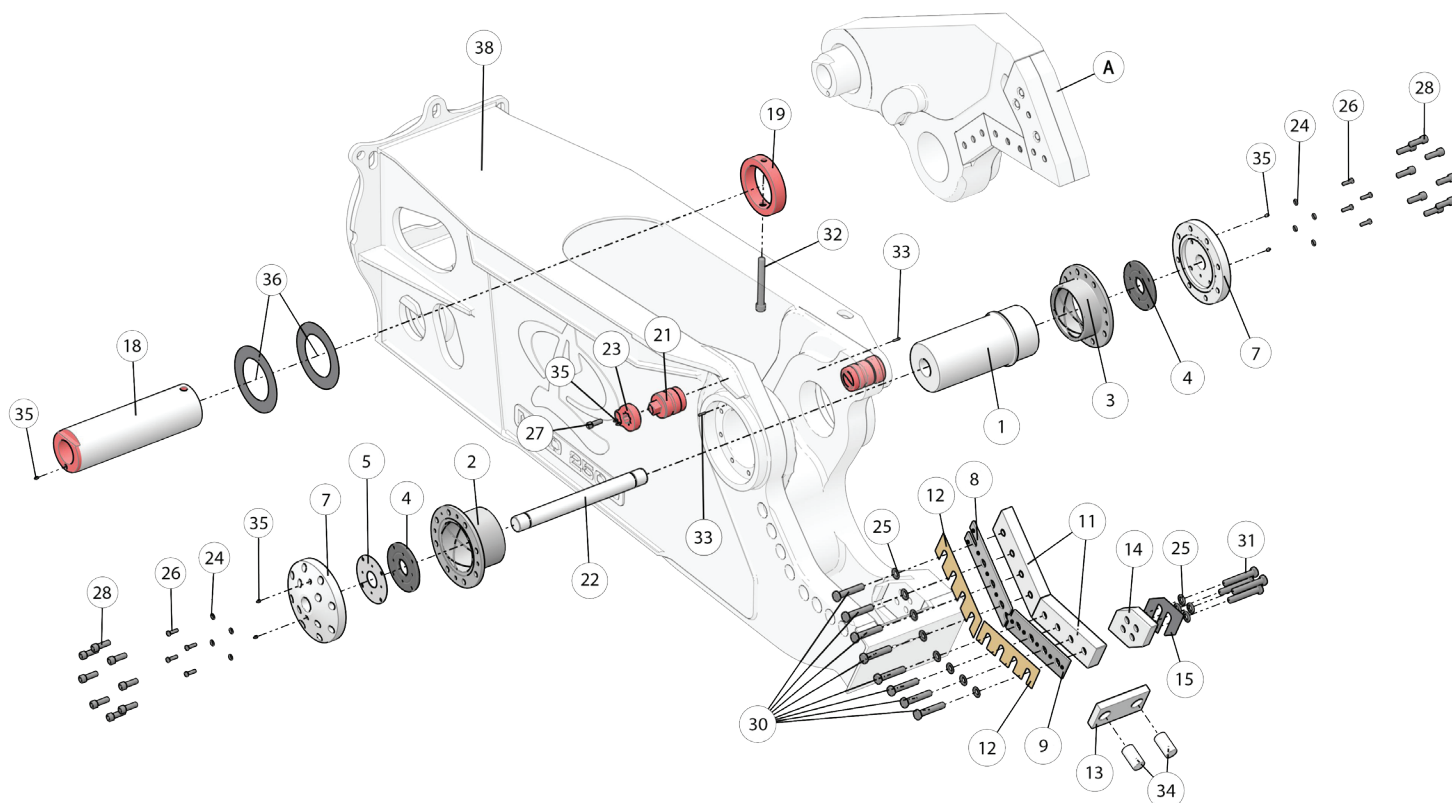
DECALS



Decal List			
Item	Part Number	Description	Qty
1	116389	EBLM WRNG 75' 13" X 30"	2
2	503647	EBLM WRNG CAB GUARD	1
3	116388	EBLM GREASE YELLOW&BLACK	13
4	511045	EBLM PLT MODEL/SN	1
5	116404	EBLM PLT PATN METAL	1
6	512554	EBLM NOTICE CYLINDER BLEED	2
7	512572	EBLM WRNG PRESSURE RELIEF	2
8	512713	EBLM NOSE BUILD-UP	1
9	513800	KIT EBLM ROT DECALS	1
10	513886	EBLM WELD HARD SRF W/ AMALLOY	1
12	516648	EBLM INSITE 12" X 4.33"	1
13	229034	ASSY TUBE MAIL 12" X 3.25"	1

231802 REV. 1

* See factory for bracket information



Basic Assembly 231802 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	223742	Shaft	-	-	-	1
2	516436	Bearing	-	-	-	1
3	516437	Bearing	-	-	-	1
4	516438	Thrust Washer	-	-	-	2
5	140394	Shim	-	-	-	1
6	516596	Bushing	-	-	-	1
7	164922	End Cap	-	-	-	2
8	See Factory	Primary Adjustment Plate	-	-	-	1
9	See Factory	Secondary Adjustment Plate	-	-	-	1
10	519853	Blade	-	-	-	2
11	519854	Blade	-	-	-	2
12	516595	Shim Kit	-	-	-	2
13	514631	Cross Blade	-	-	-	1
14	511992	Guide Blade	-	-	-	1
15	510765	Guide Blade Shim Kit	-	-	-	1
16	223741	Piercing Tip Blade	-	-	-	2
17	174679	Front Pin	-	-	-	1
18	164845	Rear Pin	-	-	-	1
19	175176	Collar	-	-	-	1
20	164846	Stop Plate	-	-	-	1
21	193933	Slide Screw	-	-	-	2
22	163688	Tie Rod	-	-	-	1
23	223649	Lock Plate	-	-	-	2
24	501446	Washer	M12	-	-	8
25	501445	Washer	M24	-	-	16
26	502493	Cap Screw	M12 x 1.75 x 40	71 (95)	243	8
27	514815	Cap Screw	M16 x 2 x 50	210 (280)	-	2
28	503573	Cap Screw	M20 x 2.5 x 60	400 (550)	243	16
29	516311	Bolt	M24 x 3 x 110	900 (1,200)	-	8
30	501626	Cap Screw	M24 x 3 x 120	900 (1,200)	-	8
31	501732	Cap Screw	M24 x 3 x 140	900 (1,200)	-	8
32	512587	Cap Screw	M24 x 3 x 220	580 (780)	262	2
33	511086	Dowel Pin	-	-	-	2
34	512390	Dowel Pin	-	-	-	2
35	503857	Grease Fitting	-	-	-	10
36	512499	Shim	-	-	-	4
37	227066	Label and Decal Kit (Not Shown)	-	-	-	1
38	See Factory	Stick	-	-	-	1
39	See Factory	Upper Weldment	-	-	-	1

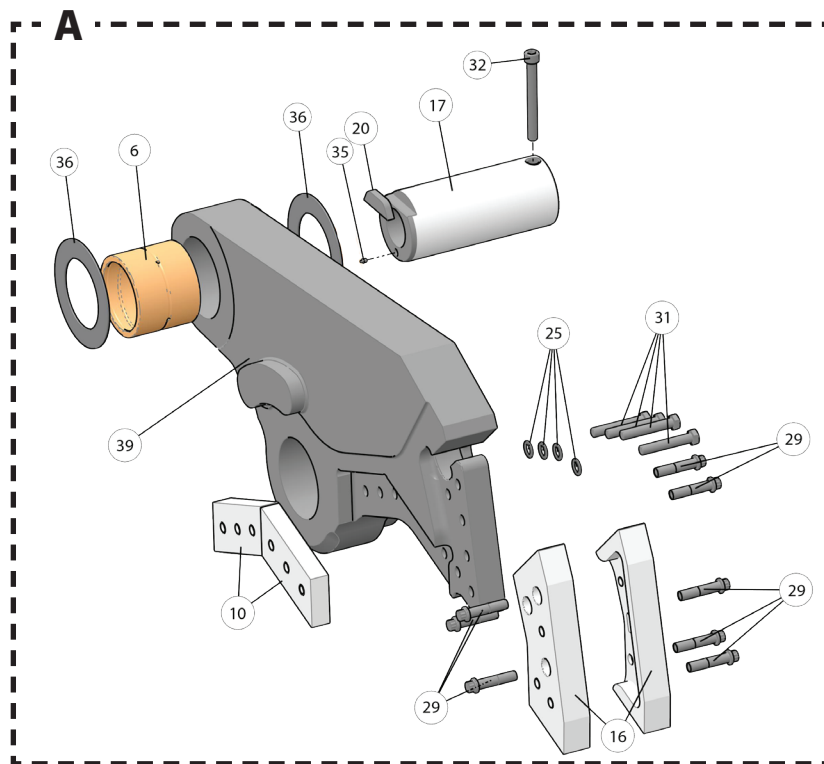
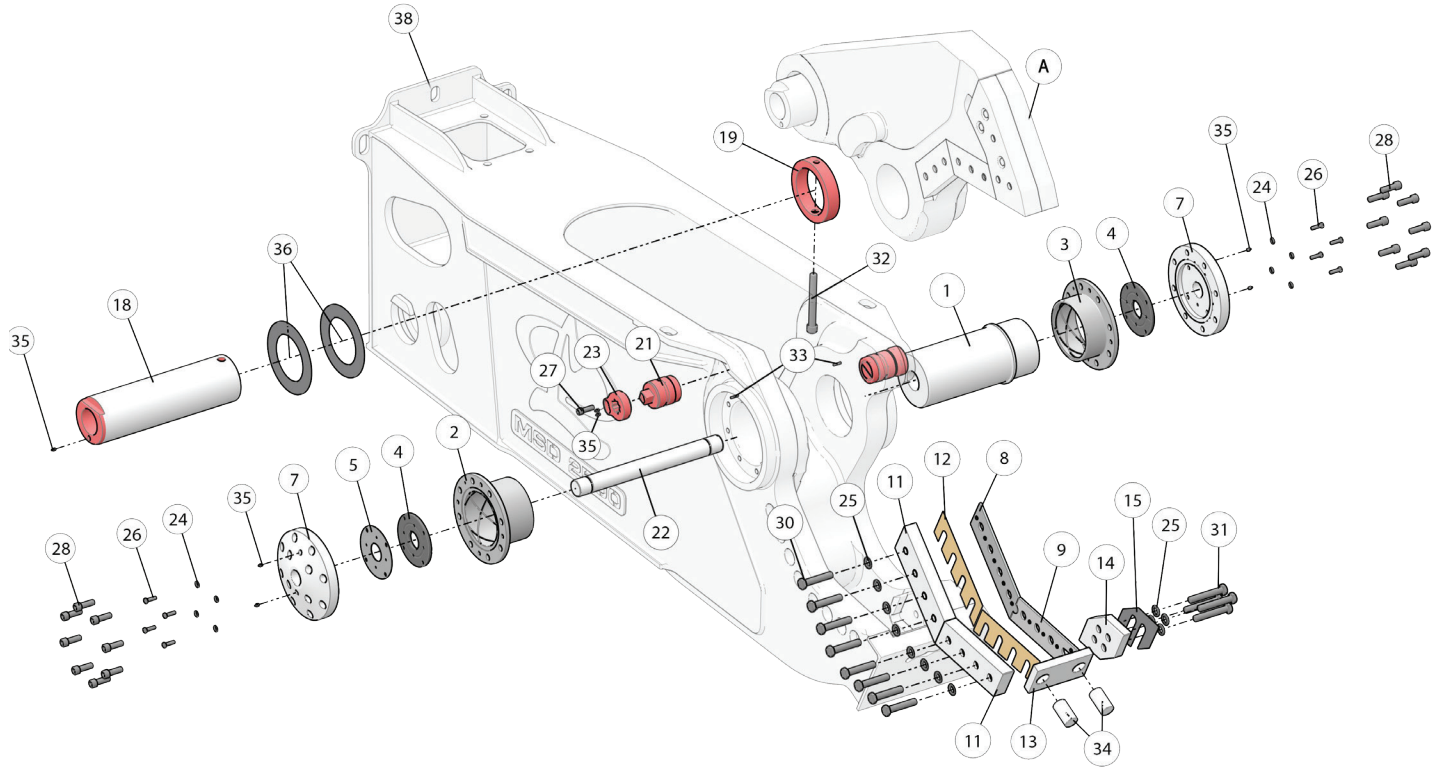
BASIC ASSEMBLY - NON-ROTATING SHEAR

[See "Read this first" on page 3]

231803 REV. 1

BASIC
ASSEMBLY

* See factory for bracket information



Basic Assembly 231803 Parts List

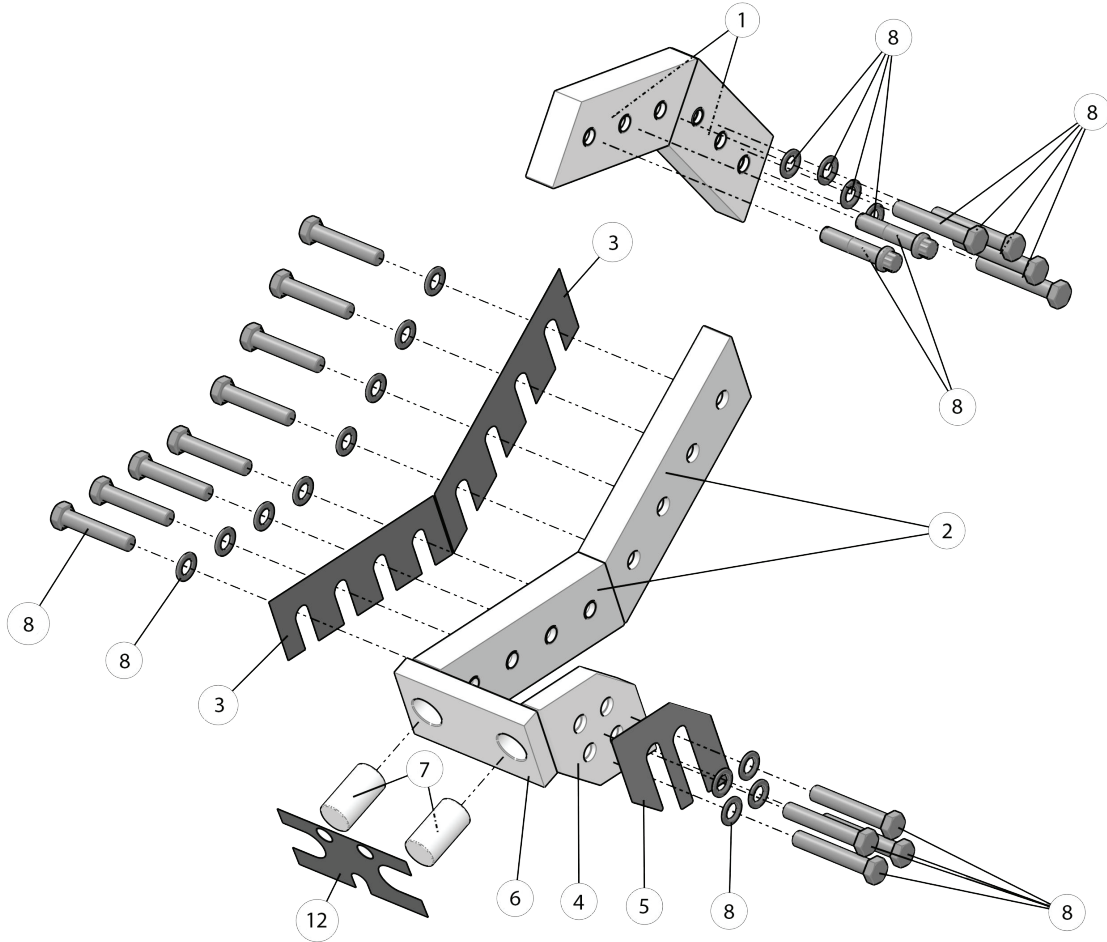
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	223742	Shaft	-	-	-	1
2	516436	Bearing	-	-	-	1
3	516437	Bearing	-	-	-	1
4	516438	Thrust Washer	-	-	-	2
5	140394	Shim	-	-	-	1
6	516596	Bushing	-	-	-	1
7	164922	End Cap	-	-	-	2
8	See Factory	Primary Adjustment Plate	-	-	-	1
9	See Factory	Secondary Adjustment Plate	-	-	-	1
10	519853	Blade	-	-	-	2
11	519854	Blade	-	-	-	2
12	516595	Shim Kit	-	-	-	2
13	514631	Cross Blade	-	-	-	1
14	511992	Guide Blade	-	-	-	1
15	510765	Guide Blade Shim Kit	-	-	-	1
16	223741	Piercing Tip Blade	-	-	-	2
17	174679	Pin	-	-	-	1
18	164845	Rear Pin	-	-	-	1
19	175176	Collar	-	-	-	1
20	164846	Stop Plate	-	-	-	1
21	193933	Slide Screw	-	-	-	2
22	163688	Tie Rod	-	-	-	1
23	223649	Lock Plate	-	-	-	2
24	501446	Washer	M12	-	-	8
25	501445	Washer	M24	-	-	16
26	502493	Cap Screw	M12 x 1.75 x 40	71 (95)	243	8
27	514815	Cap Screw	M16 x 2 x 50	210 (280)	-	2
28	503573	Cap Screw	M20 x 2.50 x 60	400 (550)	243	16
29	516311	Bolt	M24 x 3 x 110	900 (1,200)	-	8
30	501626	Cap Screw	M24 x 3 x 120	900 (1,200)	-	8
31	501732	Cap Screw	M24 x 3 x 140	900 (1,200)	-	8
32	512587	Cap Screw	M24 x 3 x 220	580 (780)	262	2
33	511086	Dowel Pin	-	-	-	2
34	512390	Dowel Pin	-	-	-	2
35	503857	Grease Fitting	-	-	-	10
36	512499	Shim	-	-	-	4
37	227066	Label and Deal Kit (Not Shown)	-	-	-	1
38	See factory	Stick	-	-	-	1
39	See factory	Upper Weldment	-	-	-	1

FULL BLADE REPLACEMENT KIT

[See "Read this first" on page 3]

Full blade kits contain all the parts of the Cutting Blade Kit and the Tip Blade Kit. Use part number 231654 for the full Blade Kit.

CUTTING BLADE KIT 231655 REV. 1



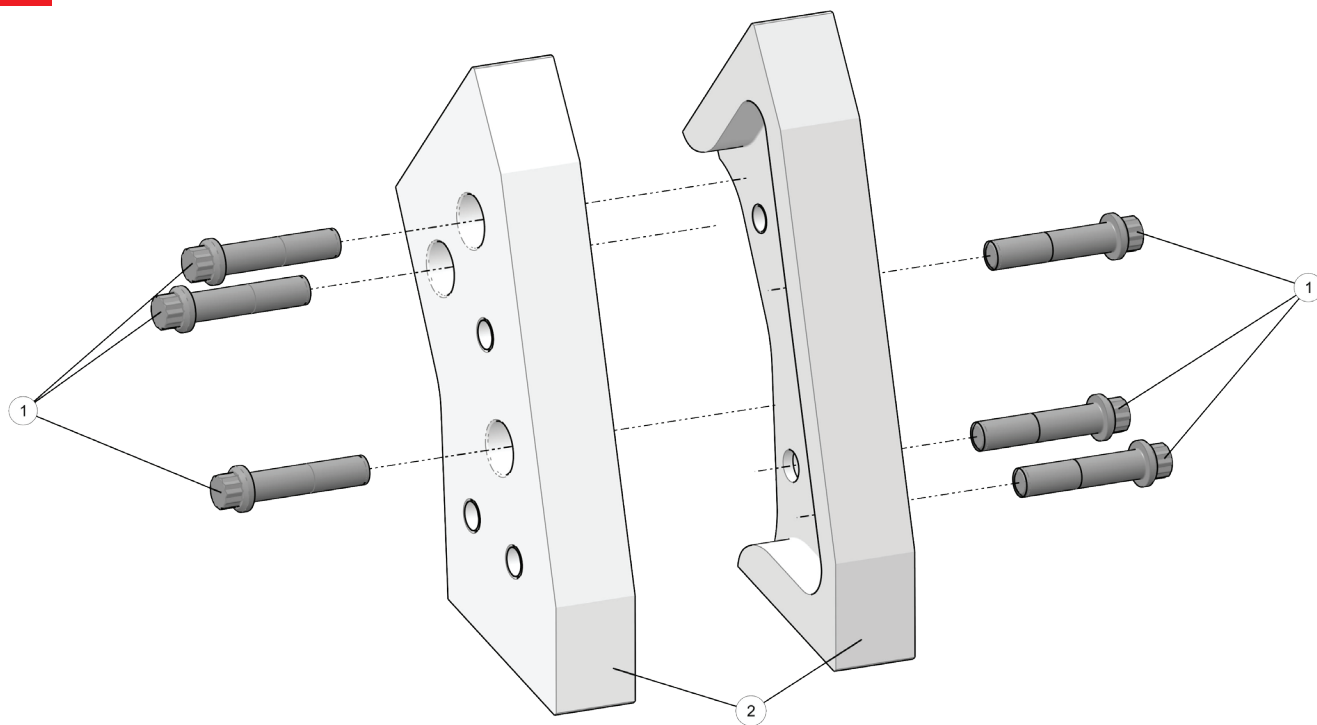
Cutting Blade Kit 231655 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	519853	Blade	-	-	-	2
2	519854	Blade	-	-	-	2
3	516595	Shim Kit	-	-	-	2
4	511992	Guide Blade	-	-	-	1
5	510765	Shim Kit	-	-	-	1
6	514631	Cross Blade	-	-	-	1
7	512390	Dowel Pin	-	-	-	2
8	518100	Bolt Kit	-	-	-	1
12	514638	Shim	-	-	-	1

TIP BLADE KIT

[See "Read this first" on page 3]

227087 REV. 1

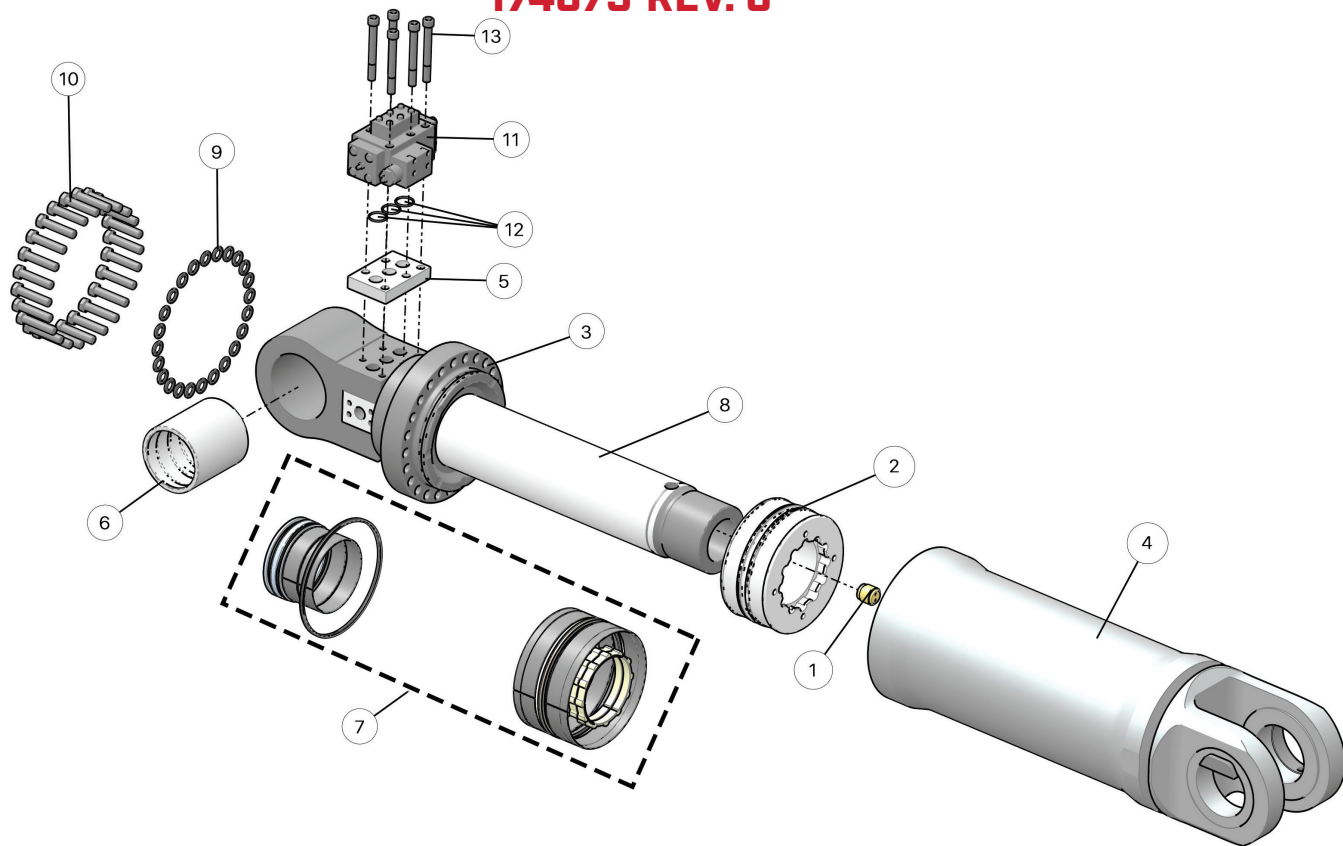


Tip Blade Kit 227087 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	223741	Blade	-	-	-	2
2	518102	Bolt Kit	M24 x 3 x 110	900 (1,200)	-	1

CYLINDER

CYLINDER [See "Read this first" on page 3] 174673 REV. 6



CYLINDER

Cylinder 174673 Parts List

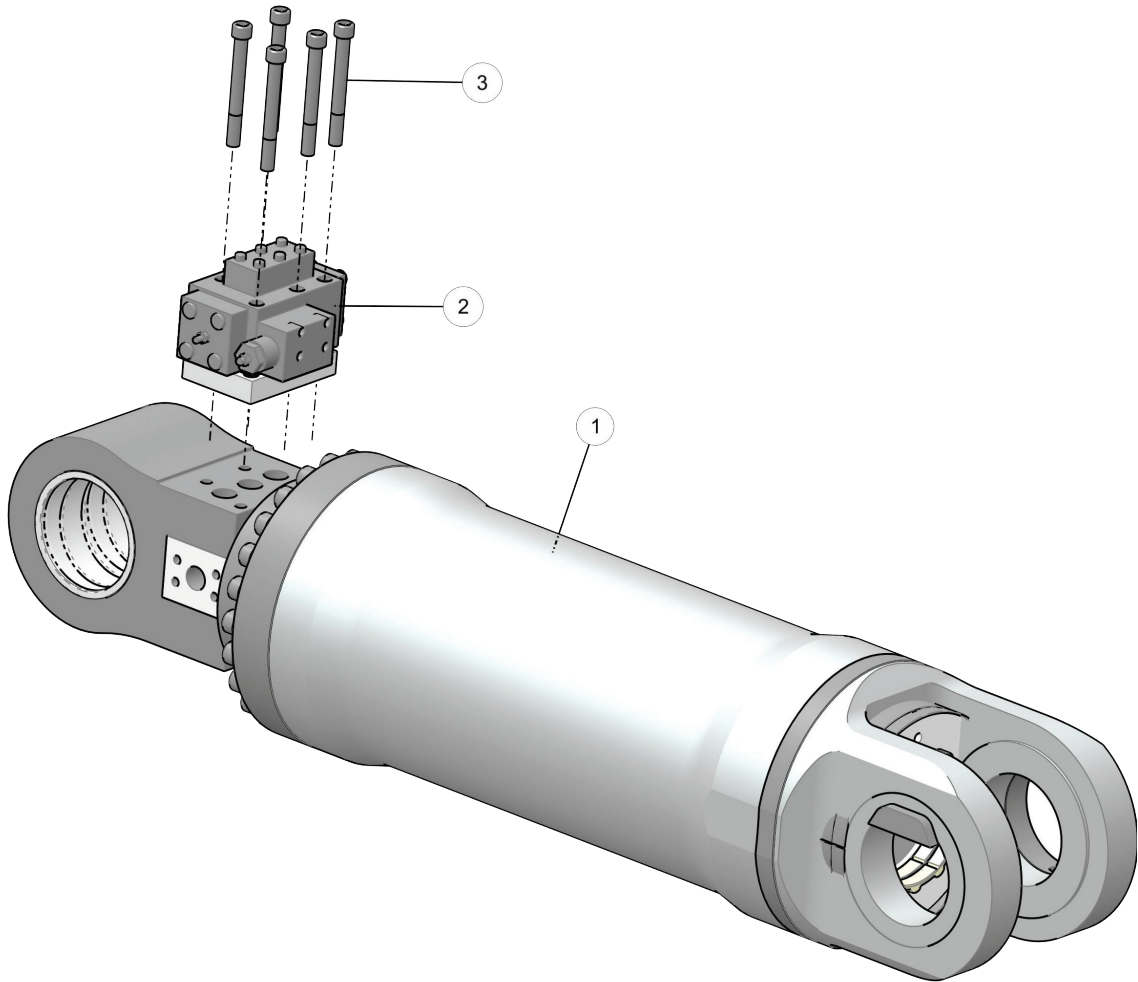
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	158806	Plug	-	-	-	1
2	164894	Piston Machining	-	14,900 +/- 300 (20,200)	-	1
3	172195	Head	-	-	-	1
4	174677	Tube Assembly	-	-	-	1
5	163332	Spacer	-	-	-	1
6	164727	Bushing	-	-	-	1
7	172196	Seal Kit (see page 20)	-	-	-	1
8	174674	Rod	-	-	-	1
9	501445	Washer	M24	-	-	24
10	510824	Cap Screw	M24 x 3 x 110	750 (1016)	-	24
11	513029	Regen Valve (see page 21)	-	-	-	1
12	500101	Seal	-	-	-	3
13	512046	Cap Screw Torque to	M20 x 2.5 x 180	370 (500)	-	5

CYLINDER ASSEMBLY

[See “Read this first” on page 3]

223792 REV. 2

CYLINDER



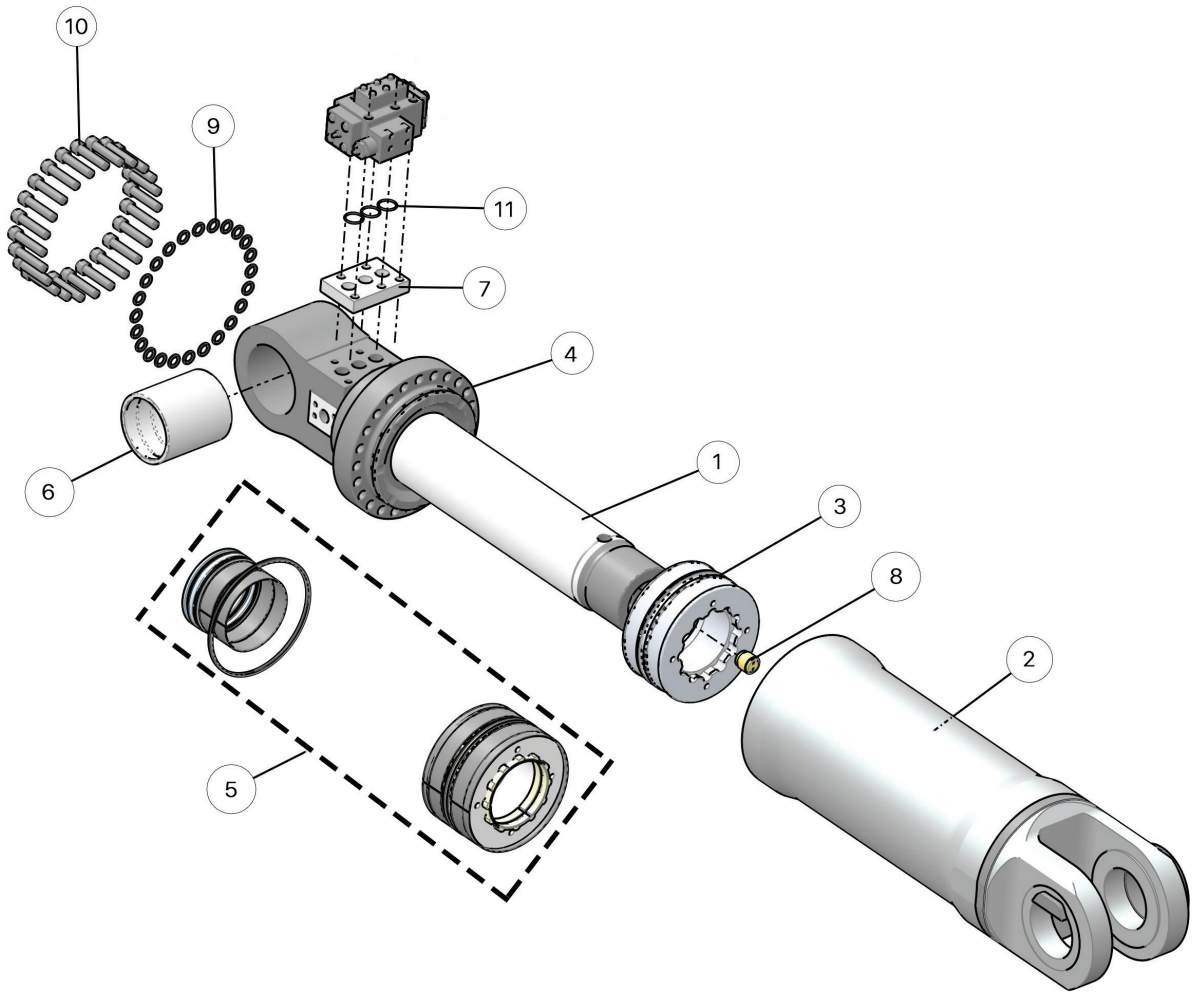
Cylinder 223792 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	516321	Cylinder (See page 19)	-	-	-	1
2	513029	Regen Valve (See page 21)	-	-	-	1
3	512046	Cap Screw	M20 x 2.5 x 180	370 (500)	243	1

CYLINDER

[See “Read this first” on page 3]

516321 REV. 2



CYLINDER

Cylinder 516321 Parts List

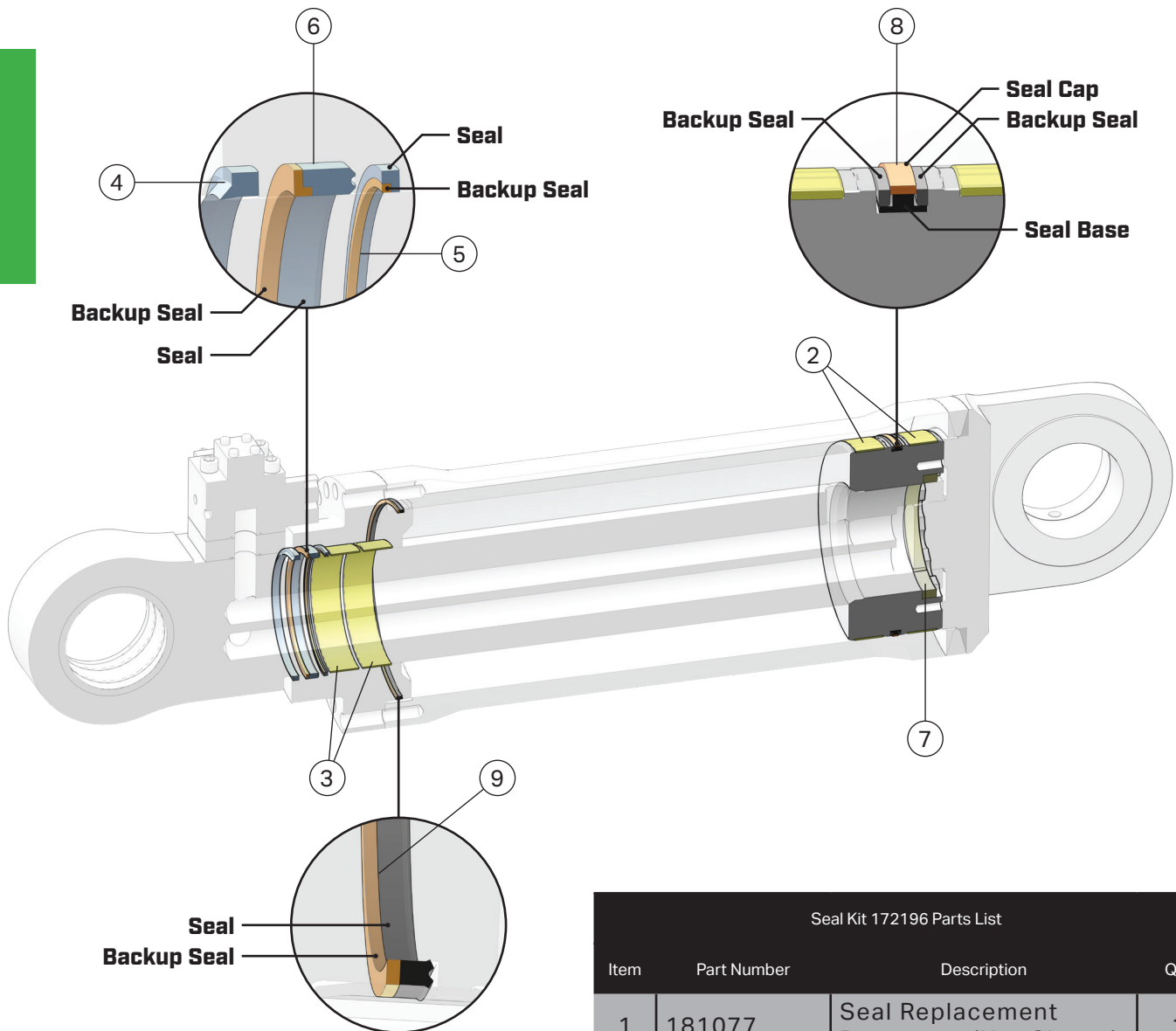
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	516342	Rod	-	-	-	1
2	516337	Tube Assembly	-	-	-	1
3	516325	Piston Machining	-	-	-	1
4	516334	Head	-	-	-	1
5	172196	Seal Kit (see page 20)	-	-	-	1
6	516341	Bushing	-	-	-	1
7	517979	Spacer	-	-	-	1
8	516322	Plug	-	-	-	1
9	517970	Washer	M24	-	-	24
10	503586	Cap Screw	M24 x 3 x 110	-	-	24
11	500101	Seal	-	-	-	3

SEAL KIT FOR CYLINDER 174673 & 223792

[See "Read this first" on page 3]

172196 REV. 5

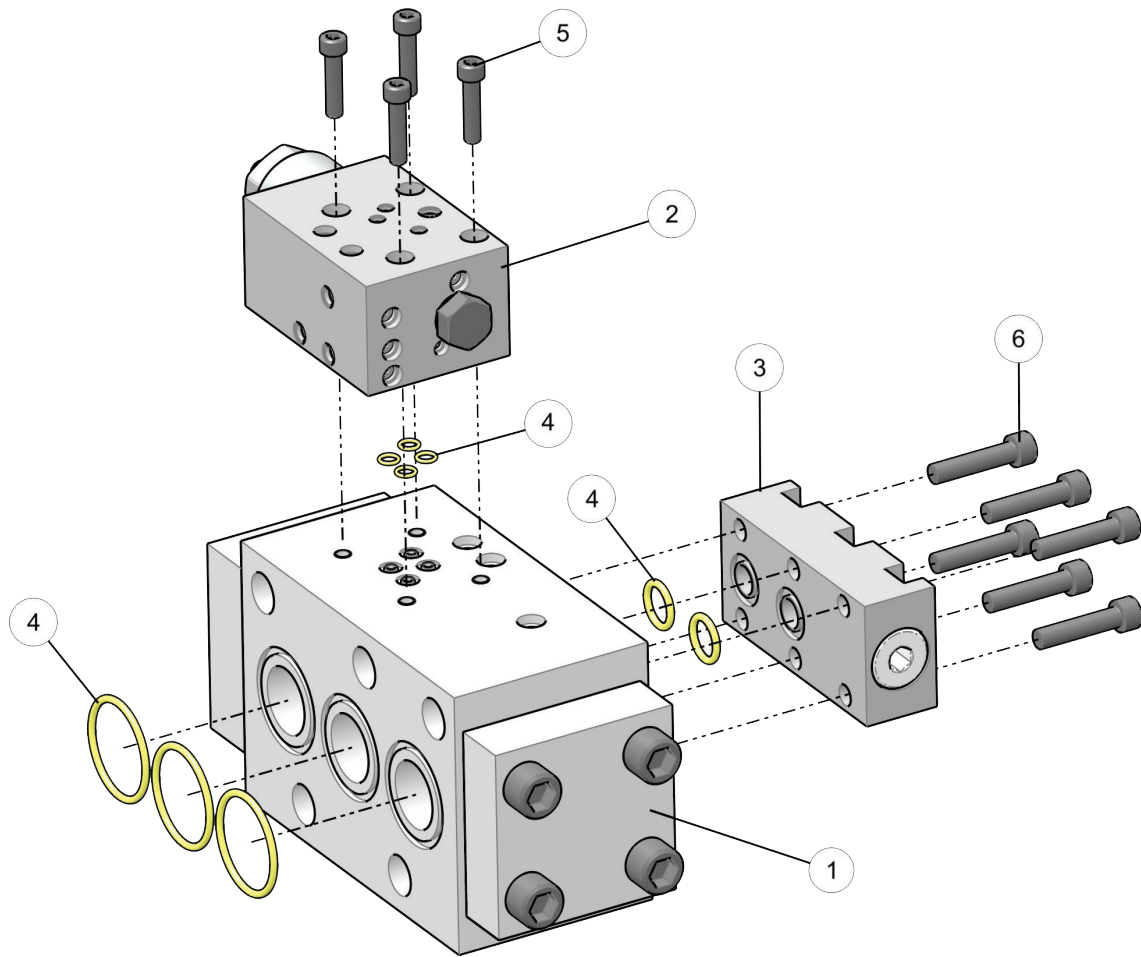
CYLINDER



Seal Kit 172196 Parts List

Item	Part Number	Description	Qty
1	181077	Seal Replacement Document (Not Shown)	1
2	511084	Wear Ring	2
3	511100	Wear Ring	2
4	511684	Wiper Seal	1
5	511910	Buffer Seal Assembly	1
6	512377	Rod Seal Assembly	1
7	512789	Lock Ring	1
8	512876	Piston Seal Assembly	1
9	513104	Head Seal Assembly	1

REGEN VALVE [See "Read this first" on page 3] **513029 REV. 1**



CYLINDER

Regen Valve 513029 Parts List

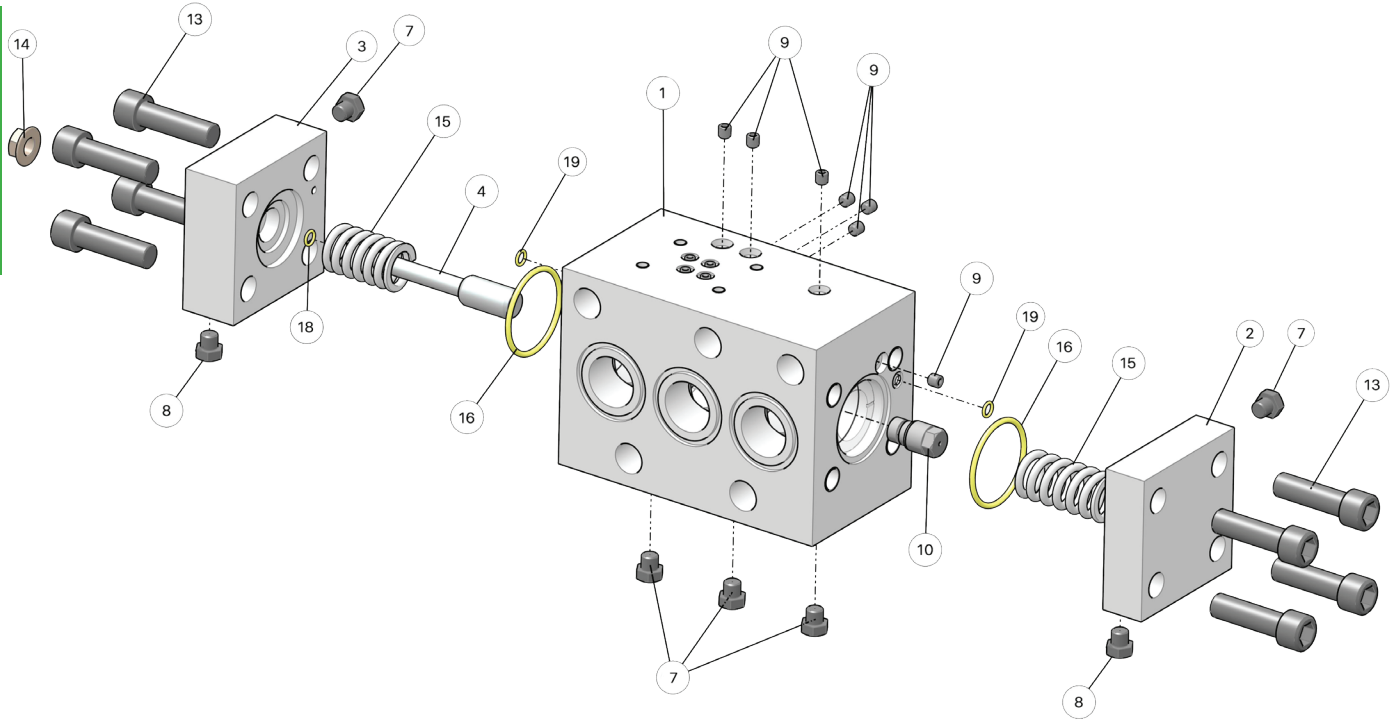
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	513080	Main Valve Assembly (See page 22)	-	-	-	1
2	512288	Piloting Section Assembly (See page 23)	-	-	-	1
3	511540	Check Valve (see page 25)	-	-	-	1
4	512464	Seal Kit - Includes all seals for main, pilot, and check valves.	-	-	-	1
5	512210	Cap Screw	M8 x 35	-	-	4
6	513133	Cap Screw	M10 x 45	-	-	6

MAIN VALVE ASSEMBLY

[See "Read this first" on page 3]

513080 REV. 1

CYLINDER

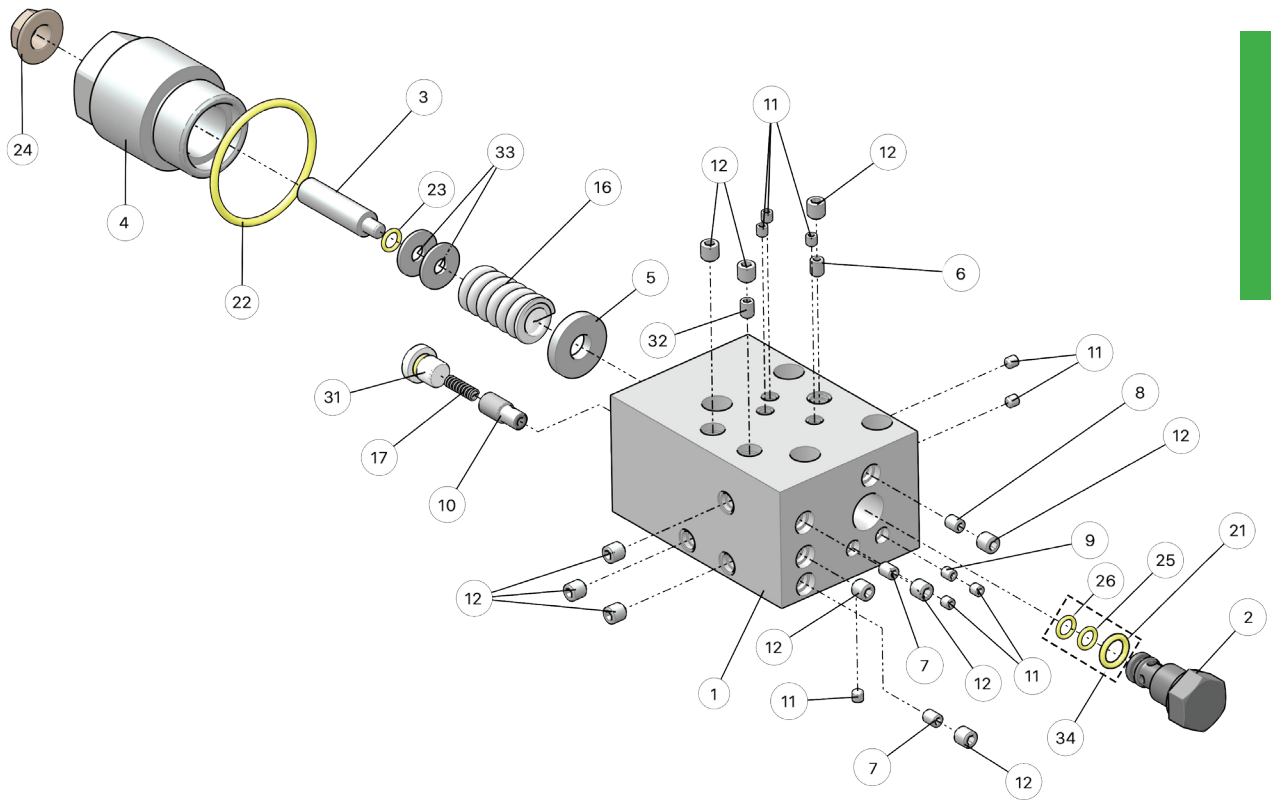


Main Valve 513080 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	513876	Main Valve Housing	-	-	-	1
2	511568	Valve Cap	-	-	-	1
3	511569	Valve Cap	-	-	-	1
4	511548	End Stop	-	-	-	1
7	511515	Screw Plug	-	-	-	5
8	513086	Screw Plug	-	-	-	2
9	513087	Screw Plug	-	-	-	7
10	513877	Check Valve	-	-	-	1
13	513878	Cap Screw	M16 x 55	-	-	8
14	511504	Grommet Nut	-	-	-	1
15	511550	Spring	-	-	-	2
16	511503	O-ring	-	-	-	2
18	511505	Thread Seal	-	-	-	1
19	512347	O-ring	-	-	-	2

Seals for this assembly are included in the master seal kit 512464

PILOTING SECTION
[See "Read this first" on page 3]
512288 REV. 1



CYLINDER

Pilot Valve 512288 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	512316	Housing	-	-	-	1
2	512317	Valve Seat	-	-	-	1
3	511555	Thread Pin	M12 x 50	-	-	1
4	512318	Spring Cap	D50 x 72	-	-	1
5	511558	Washer	D30 x 5	-	-	1
6	512319	Orifice	M6 x 8	-	-	1
7	512320	Orifice	M6 x 8	-	-	2
8	512321	Orifice	M6 x 8	-	-	1
9	512322	Orifice	M5 x 6	-	-	1
10	511562	Valve Seat	D10.1 x 23	-	-	1
11	512323	Cap Screw	M5	-	-	8
12	511514	Cap Screw	M8 x 1	-	-	10
16	512324	Spring	-	-	-	1
17	511565	Spring	-	-	-	1
21	511507	O-ring	-	-	-	1

Pilot Valve 512288 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
22	512325	O-ring	-	-	-	1
23	511505	Thread Seal Ring	-	-	-	1
24	511504	Seal Nut	M12	-	-	1
25	511508	Quadring	-	-	-	1
26	511509	Support Ring	-	-	-	1
31	511563	Screw Cap	-	-	-	1
32	512326	Thread Pin	M6 x 8	-	-	1
33	511556	Washer	-	-	-	2
34	513793	Poppet Seal Kit - Includes items 2,21,25 & 26. (these items are also included in the master seal kit P/N 512464).				1

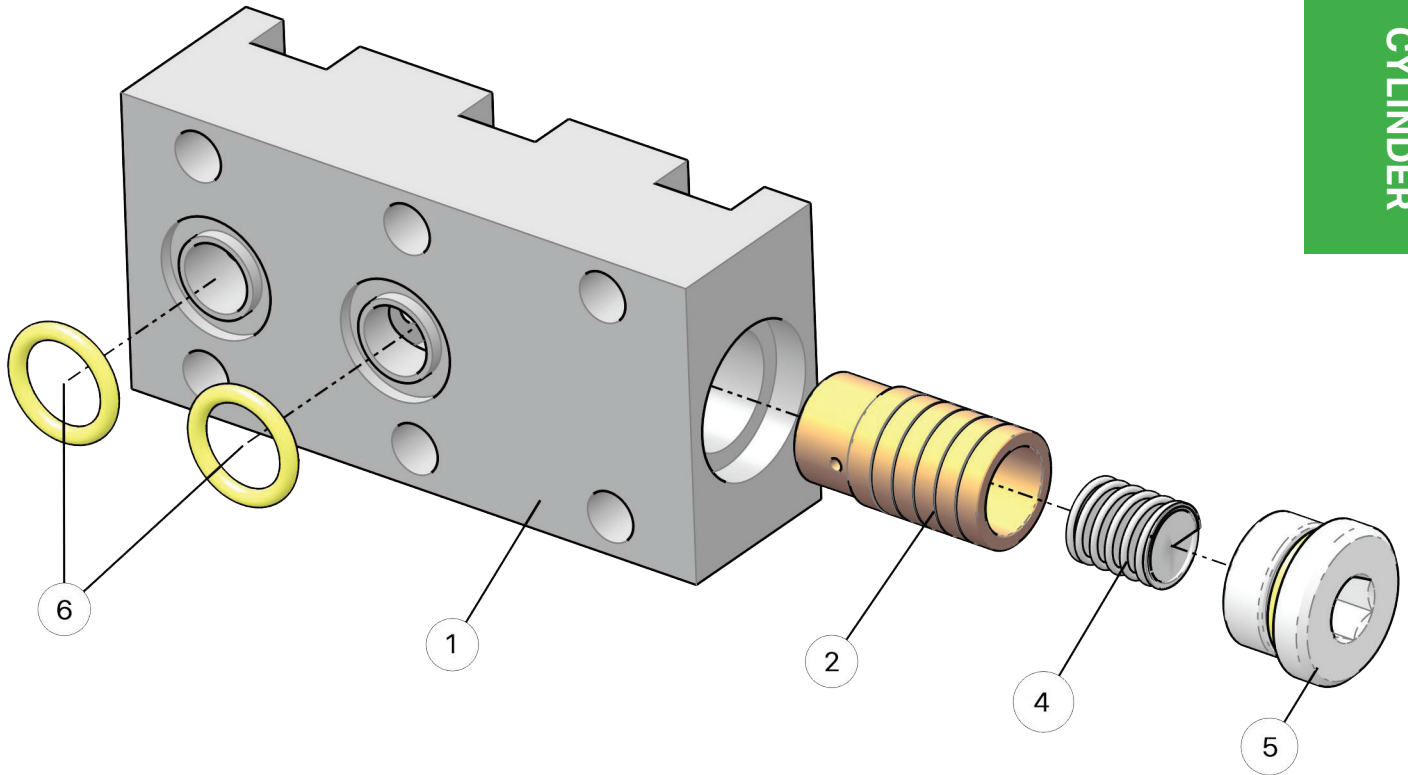
Seals for this assembly are included in the master seal kit 512464

CHECK VALVE

[See "Read this first" on page 3]

511540 REV. 1

CYLINDER



Pilot Valve 511540 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	513875	Check Valve Housing	-	-	-	1
2	511580	Plunger	-	-	-	1
4	511578	Spring	-	-	-	1
5	511579	Screw Plug	-	-	-	1
6	513085	O-ring	-	-	-	2

Seals for this assembly are included in the master seal kit 512464

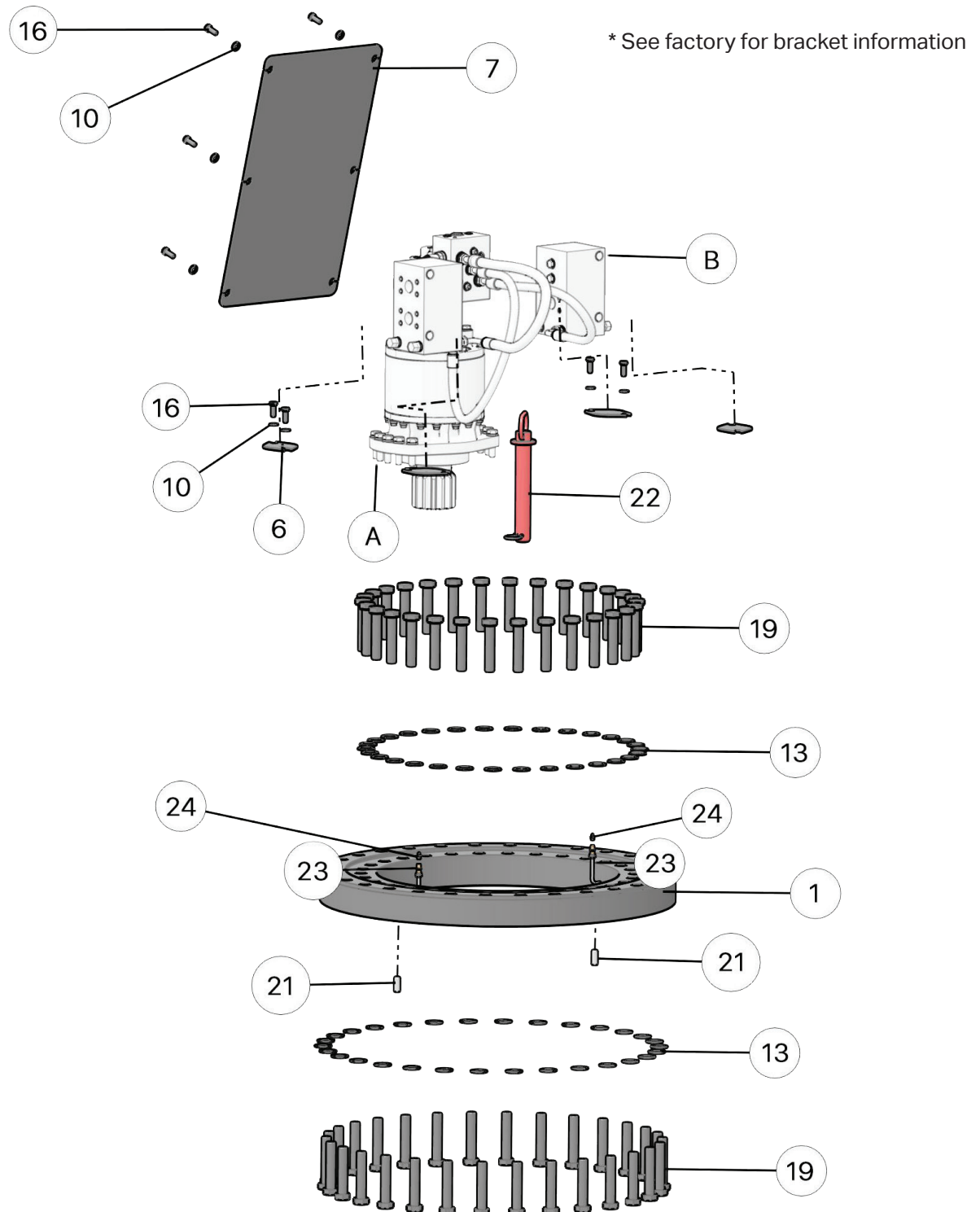
ROTATION

ROTATION ASSEMBLY

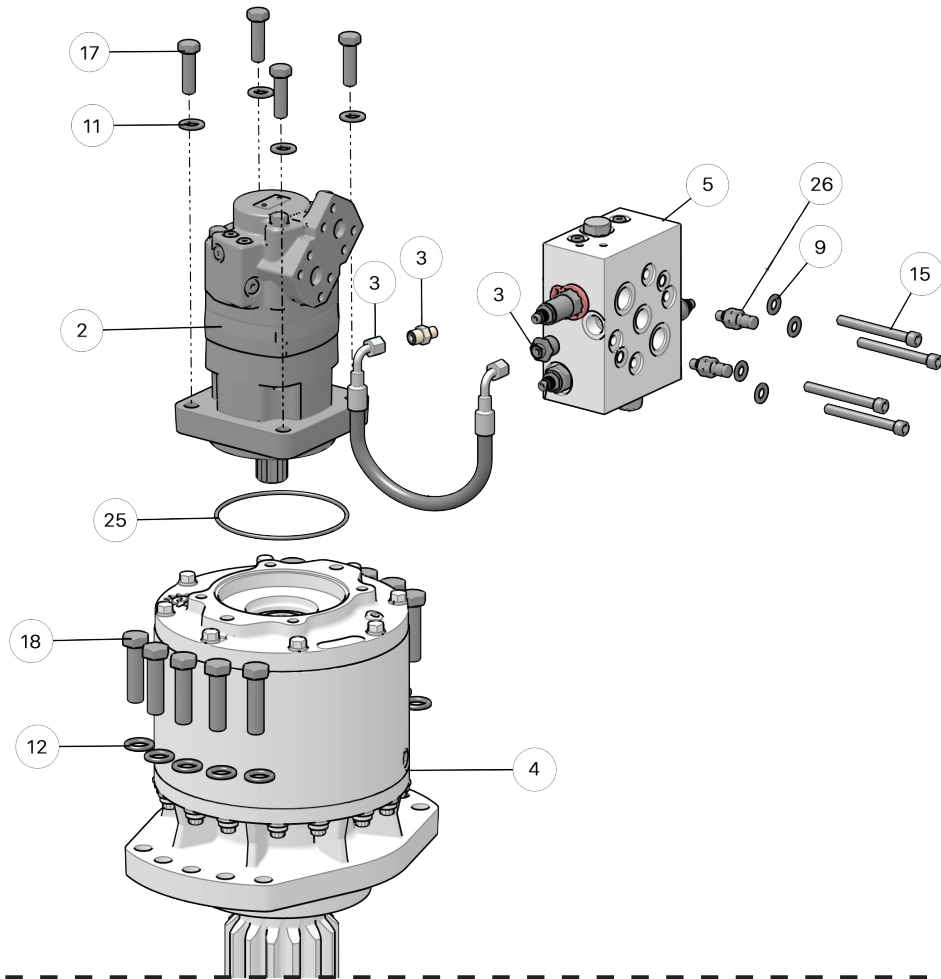
[See "Read this first" on page 3]

228278 REV. 4

ROTATION

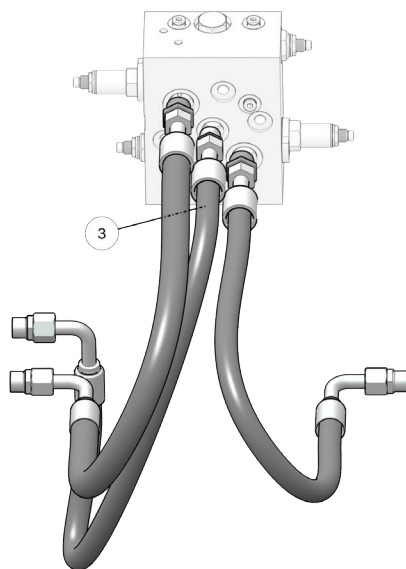


A



ROTATION

B



Rotation 228278 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	501347	Turntable Bearing	-	-	-	1
2	503340	Motor	-	-	-	1
3	518040	Hose Kit (See page 35)	-	-	-	1
4	511491	Gear Box	-	-	-	1
5	513198	Valve Assembly	-	-	-	1
6	151404	Cover	-	-	-	4
7	134906	Cover	-	-	-	1
9	500237	Washer	-	-	-	4
10	501446	Washer	M12	-	-	14
11	503852	Washer	-	-	-	4
12	501554	Washer	M16	-	-	10
13	501445	Washer	M24	-	-	60
15	503077	Cap Screw	-	44 (60)	263	4
16	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	243	14
17	503853	Cap Screw	-	105 (140)	263	4
18	502385	Bolt	M16 x 2 x 60	170 (230)	263	10
19	501626	Cap Screw - CRITICAL TORQUE	M24 x 3 x 120	750 (1,000)	263	30
21	510796	Dowel Pin	-	-	-	2
22	515025	Transport Pin	-	-	-	1
23	107435	Grease Tube Assembly	-	-	-	2
24	503857	Grease Fitting	-	-	-	2
25	500271	Seal O-ring	-	-	518 7649 Primer	1
26	502290	Adapter	-	-	-	2

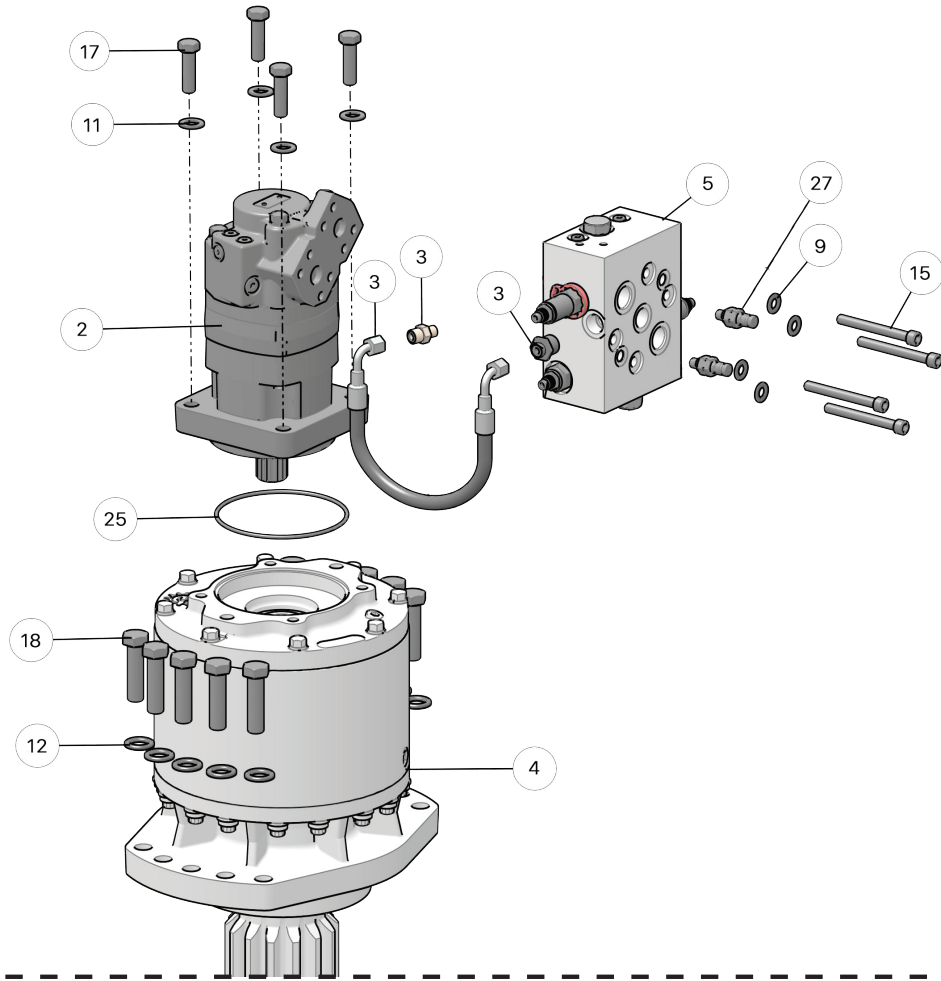
ROTATION

228797 REV. 4

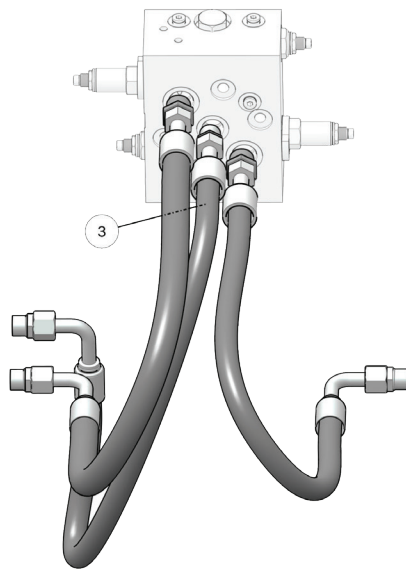
ROTATION



A



B



Rotation 228797 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	501347	Turntable Bearing	-	-	-	1
2	503340	Motor	-	-	-	1
3	518040	Hose Kit (See page 35)	-	-	-	1
4	511491	Gear Box	-	-	-	1
5	513198	Valve Assembly	-	-	-	1
6	151404	Cover	-	-	-	2
7	134906	Cover	-	-	-	1
9	500237	Washer	-	-	-	4
10	501446	Washer	M12	-	-	10
11	503852	Washer	-	-	-	4
12	501554	Washer	M16	-	-	10
13	501445	Washer	M24	-	-	60
15	503077	Cap Screw	-	44 (60)	263	4
16	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	243	10
17	503853	Cap Screw	-	105 (140)	263	4
18	502385	Bolt	M16 x 2 x 60	170 (230)	263	10
19	501626	Cap Screw - CRITICAL TORQUE	M24 x 3 x 120	750 (1,000)	263	60
21	510796	Dowel Pin	-	-	-	2
22	515025	Transport Pin	-	-	-	1
23	107435	Grease Tube Assembly	-	-	-	2
24	503857	Grease Fitting	-	-	-	2
25	500271	Seal O-ring	-	-	518 7649 Primer	1
27	502290	Adapter	-	-	-	2

ROTATION

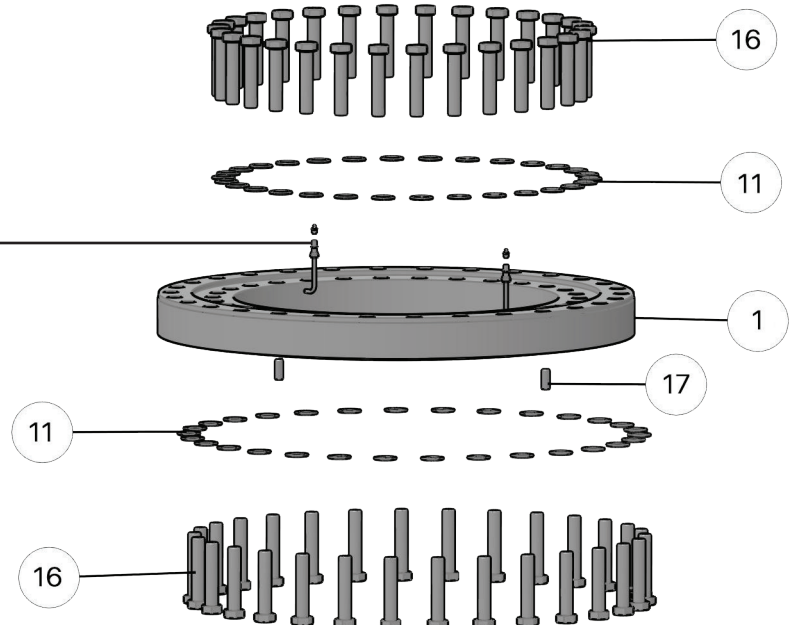
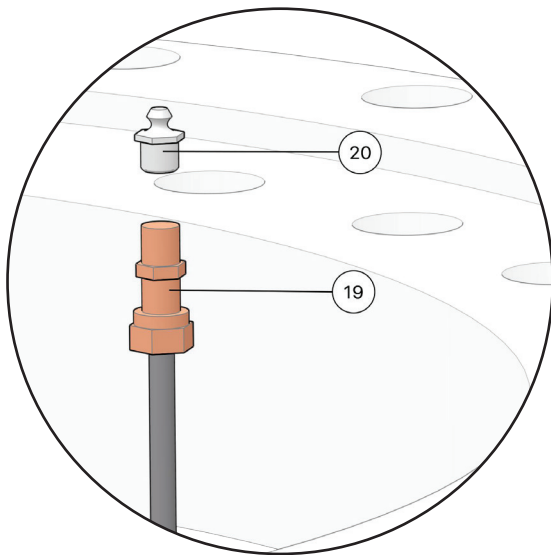
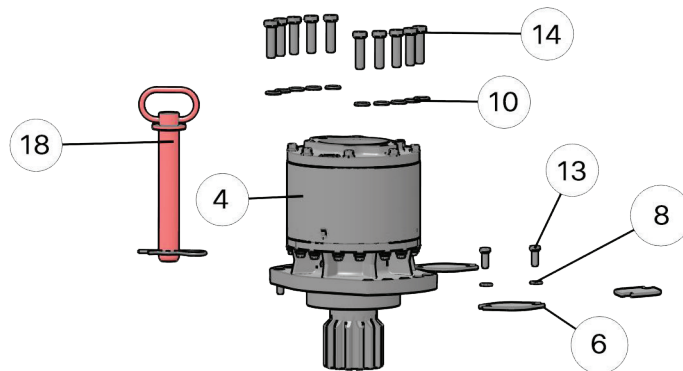
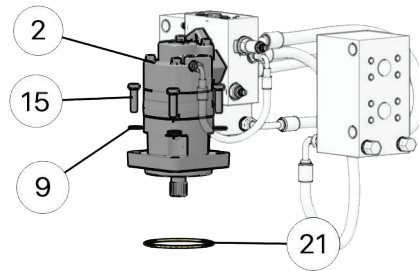
ROTATION ASSEMBLY

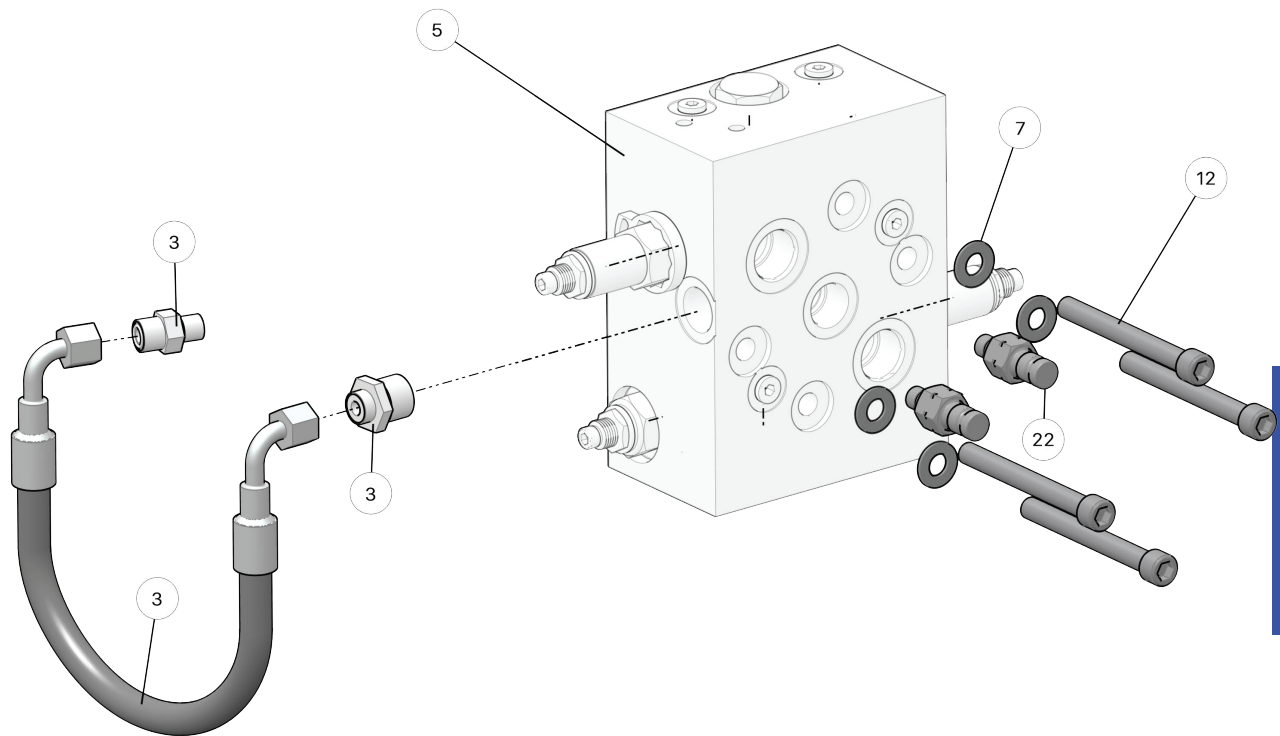
[See "Read this first" on page 3]

229669 REV. 3

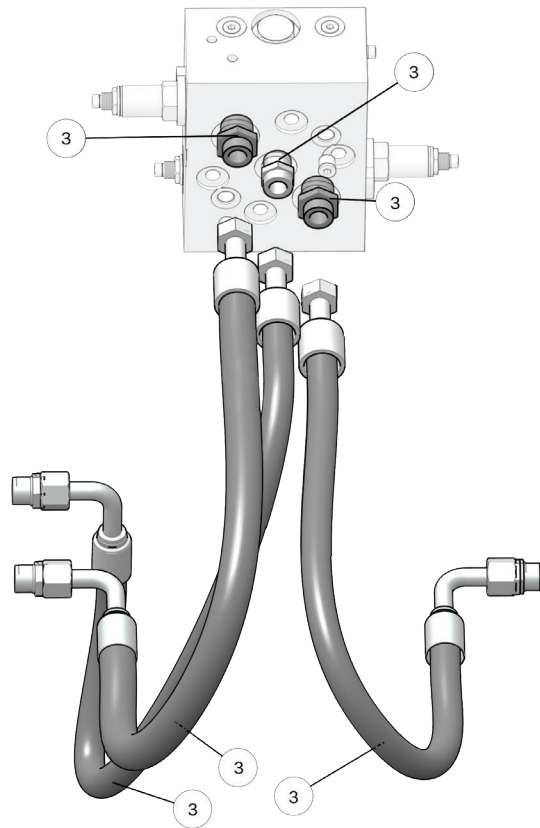
* See factory for bracket information

ROTATION





ROTATION



Rotation 229669 Parts List

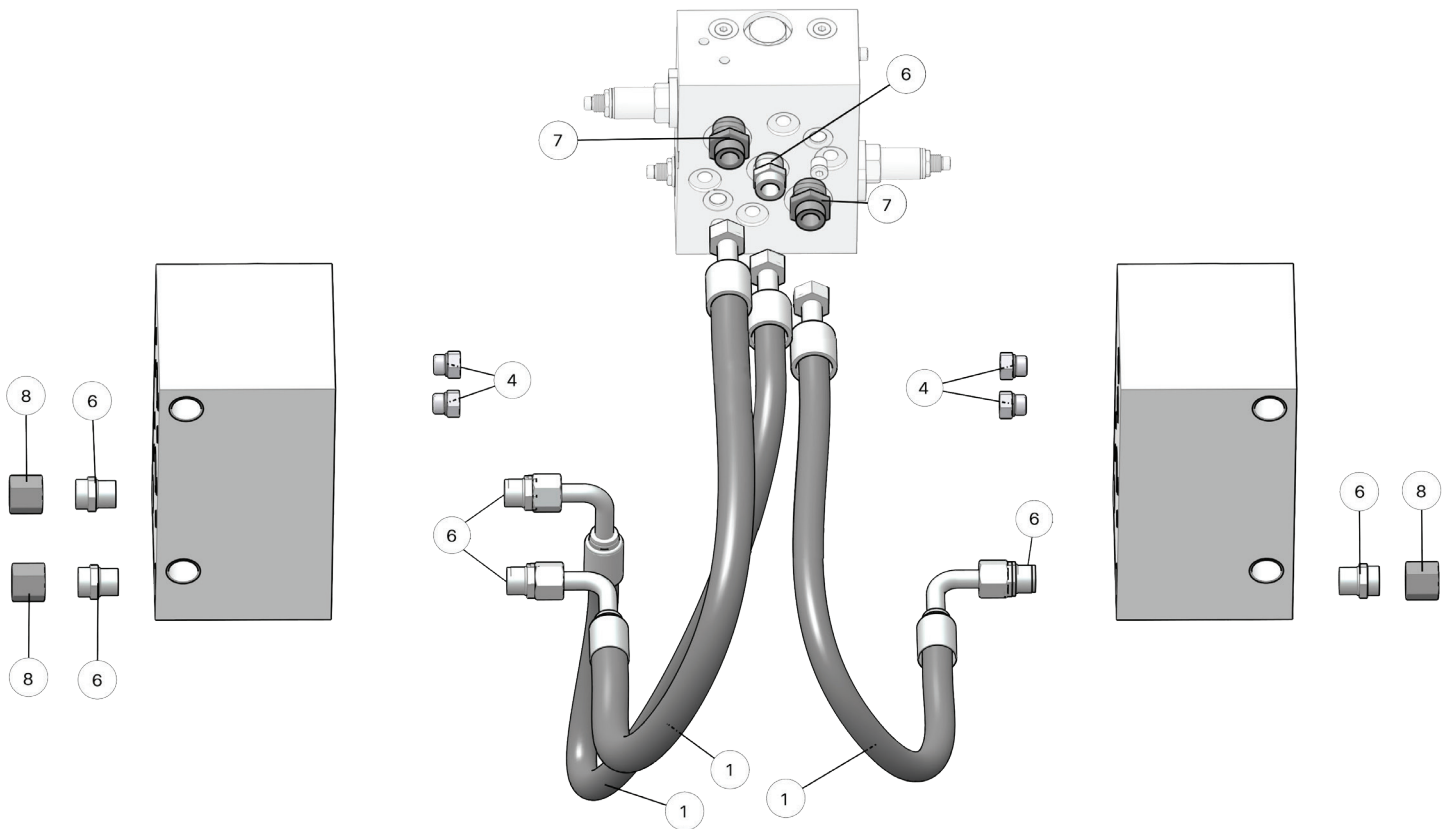
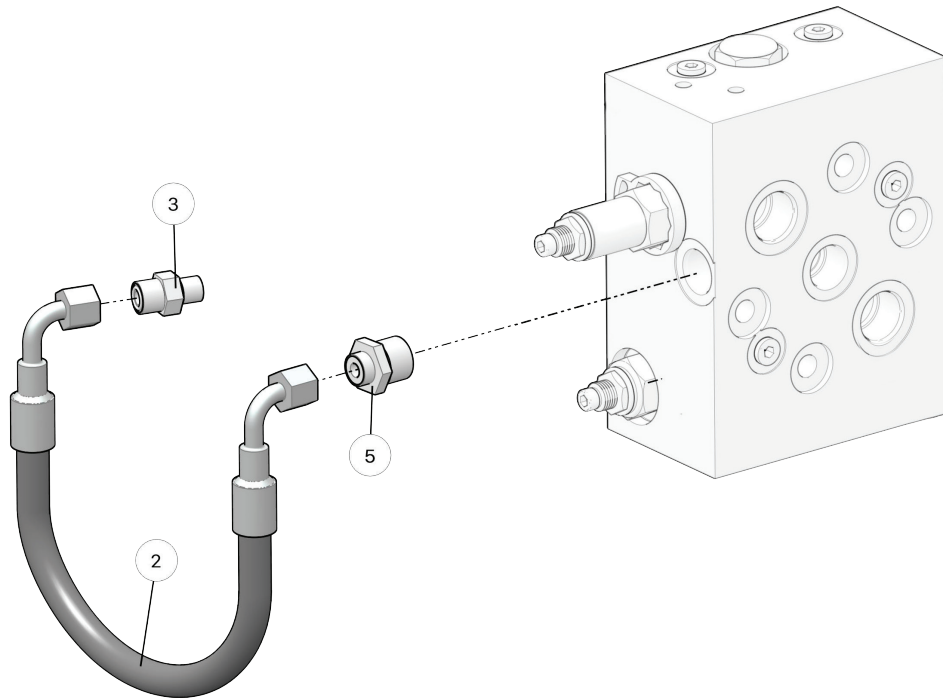
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	501347	Turntable Bearing	-	-	-	1
2	503340	Motor Assembly	-	-	-	1
3	518040	Hose Kit (See page 35)	-	-	-	1
4	511491	Gear Box	-	-	-	1
5	513198	Valve Assembly	-	-	-	1
6	151404	Cover	-	-	-	4
7	500237	Washer	-	-	-	4
8	501446	Washer	M12	-	-	4
9	503852	Washer	-	-	-	4
10	501554	Washer	M16	-	-	10
11	501445	Washer	M24	-	-	60
12	503077	Cap Screw	-	44 (60)	263	4
13	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	243	4
14	502385	Cap Screw	M16 x 2 x 60	-	-	10
15	503853	Cap Screw	-	170 (230)	263	4
16	501626	Cap Screw - CRITICAL TORQUE	M24 x 3 x 120	750 (1,000)	263	60
17	510796	Dowel Pin	-	-	-	2
18	515025	Transport Pin	-	-	-	1
19	107435	Grease Tube Assembly	-	-	-	2
20	503857	Grease Fitting	-	-	-	2
21	500271	O-ring	-	-	518 7649 Primer	1
22	502290	Quick Connect Fitting	-	-	-	2

ROTATION

HOSE KIT

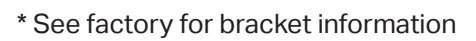
[See "Read this first" on page 3]

518040 REV. 4

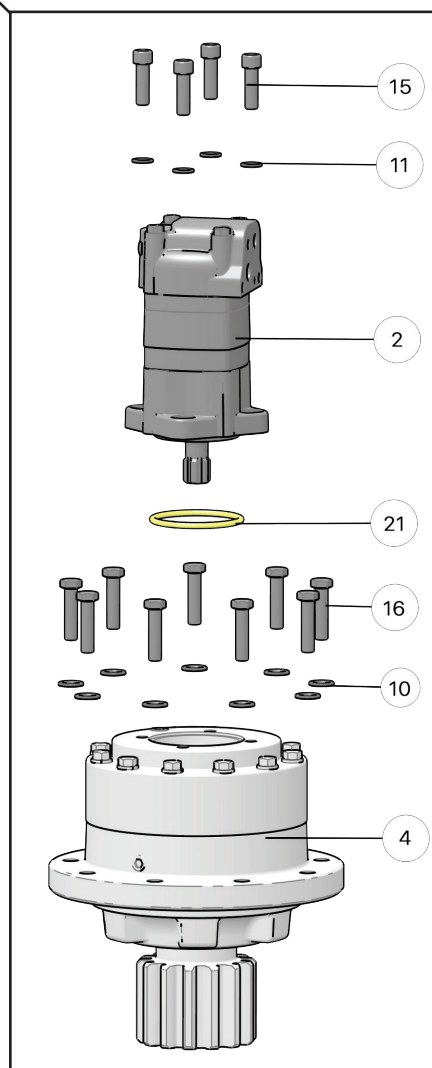
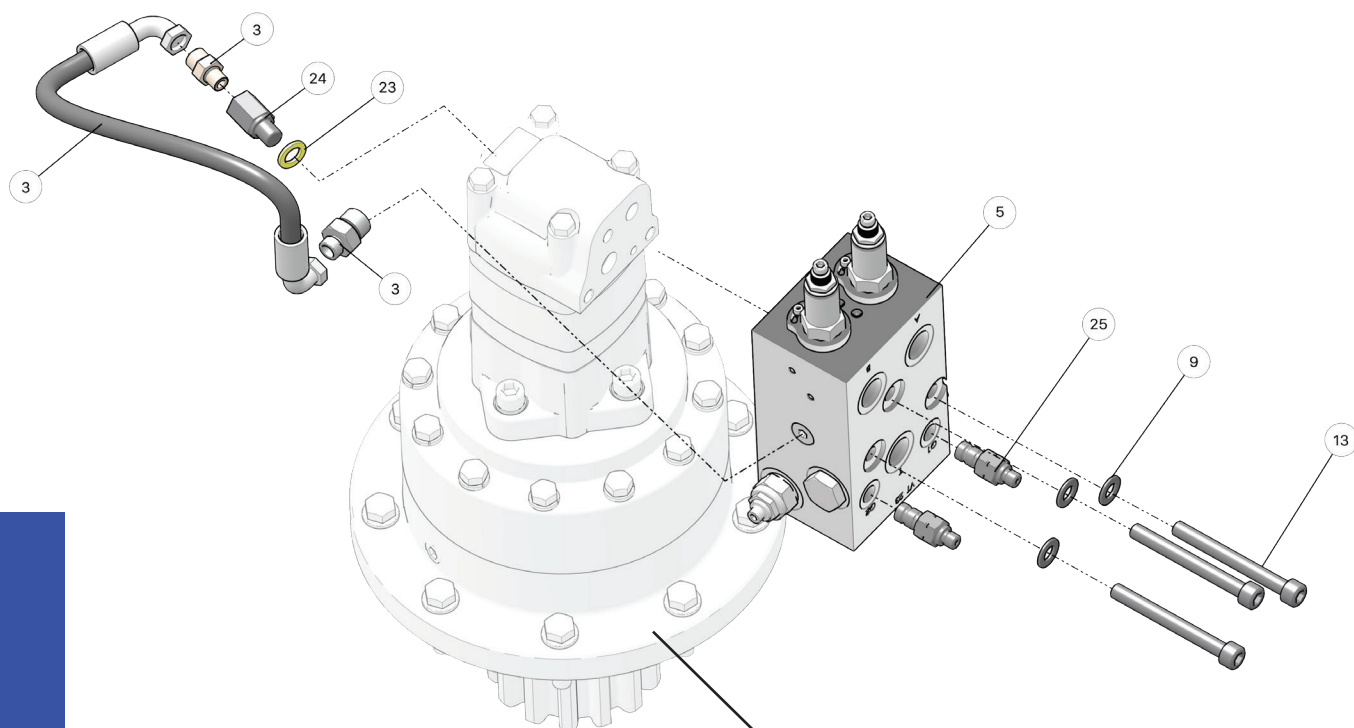


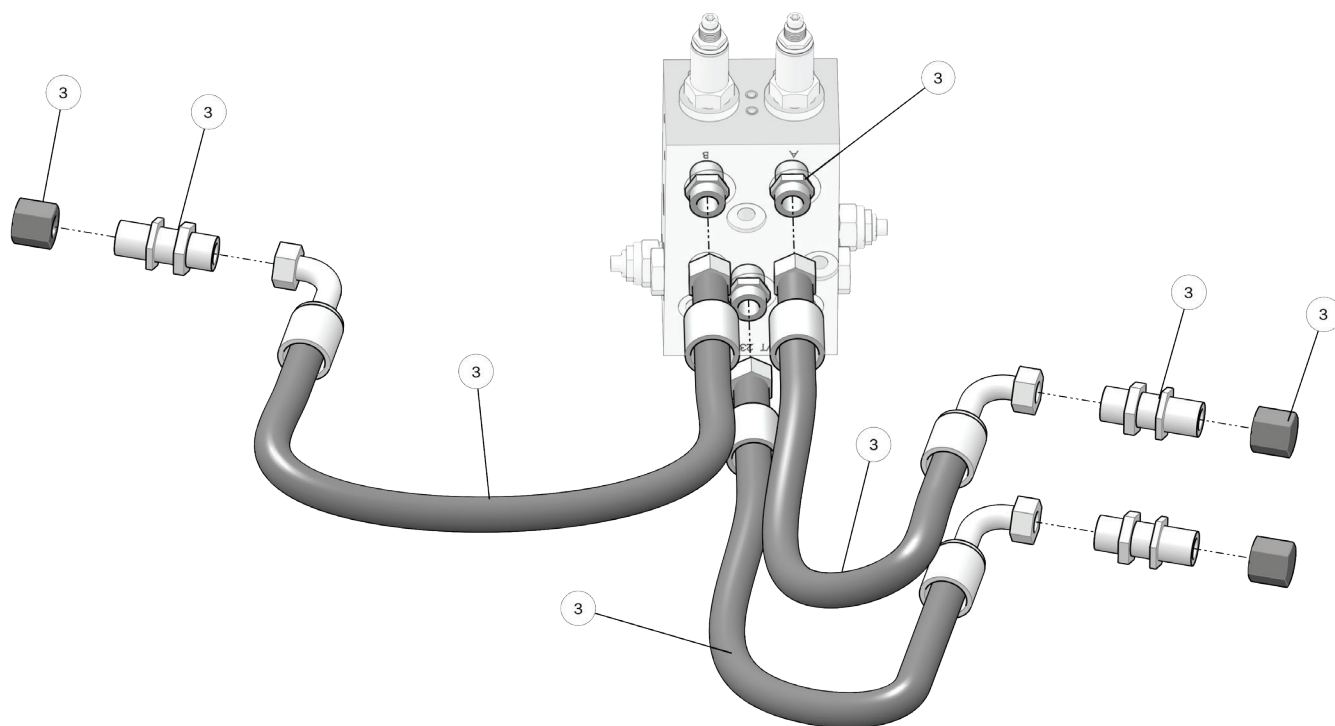
Hose Kit 518040 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	518511	Hose Assembly - Straight-90°	-	-	-	3
2	108939	Motor Case Drain Hose Assembly	-4 FFORX	13 (17)	243	1
3	500916	Hydraulic Adapter	-4 SAE	22 (30)	243-	1
4	516287	Hydraulic Plug	-6 SAE	30 (40)	243	4
5	500940	Hydraulic Adapter	-8 SAE	34 (45)	243	1
6	500917	Hydraulic Adapter	-8 SAE	50 (70)	243	7
7	500947	Hydraulic Adapter	-	-	-	2
8	501026	Hydraulic Adapter Cap	-8 FFORX	40 (55)	243	3

ROTATION



ROTATION





ROTATION

Rotation 229910 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	501347	Turntable Bearing	-	-	-	1
2	514585	Motor	-	-	-	1
3	518150	Hose Kit (See page 44)	-	-	-	1
4	511488	Gear Box	-	-	-	1
5	513260	Valve Assembly	-	-	-	1
6	229506	Cover	-	-	-	1
7	229507	Cover	-	-	-	1
8	151404	Cover	-	-	-	2
9	500237	Washer	-	-	-	3
10	501446	Washer	M12	-	-	21
11	510105	Washer	M12	-	-	4
12	501445	Washer	M24	-	-	60
13	500860	Cap Screw	M10 x 15 x 90	49 (66)	243	3
14	501581	Cap Screw	M12 x 1.75 x 30	71 (96)	243	12
15	501584	Cap Screw	M12 x 1.75 x 40	85 (115)	243	4
16	501549	Cap Screw	M12 x 1.75 x 50	71 (96)	243	9
17	501626	Cap Screw - CRITICAL TORQUE	M24 x 3 x 120	750 (1,000)	263	60
18	510796	Dowel Pin	-	-	-	2
19	515025	Transport Pin	-	-	-	1
20	107435	Grease Tube Assembly	-	-	-	2

Rotation 229910 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
21	512391	O-ring	-	-	518 7649 Primer	1
22	502172	Grease Adapter	-	-	-	2
23	501684	Seal	-	-	-	1
24	501685	Adapter	-	-	-	1
25	502290	Quick Connect Fitting	-	-	-	2

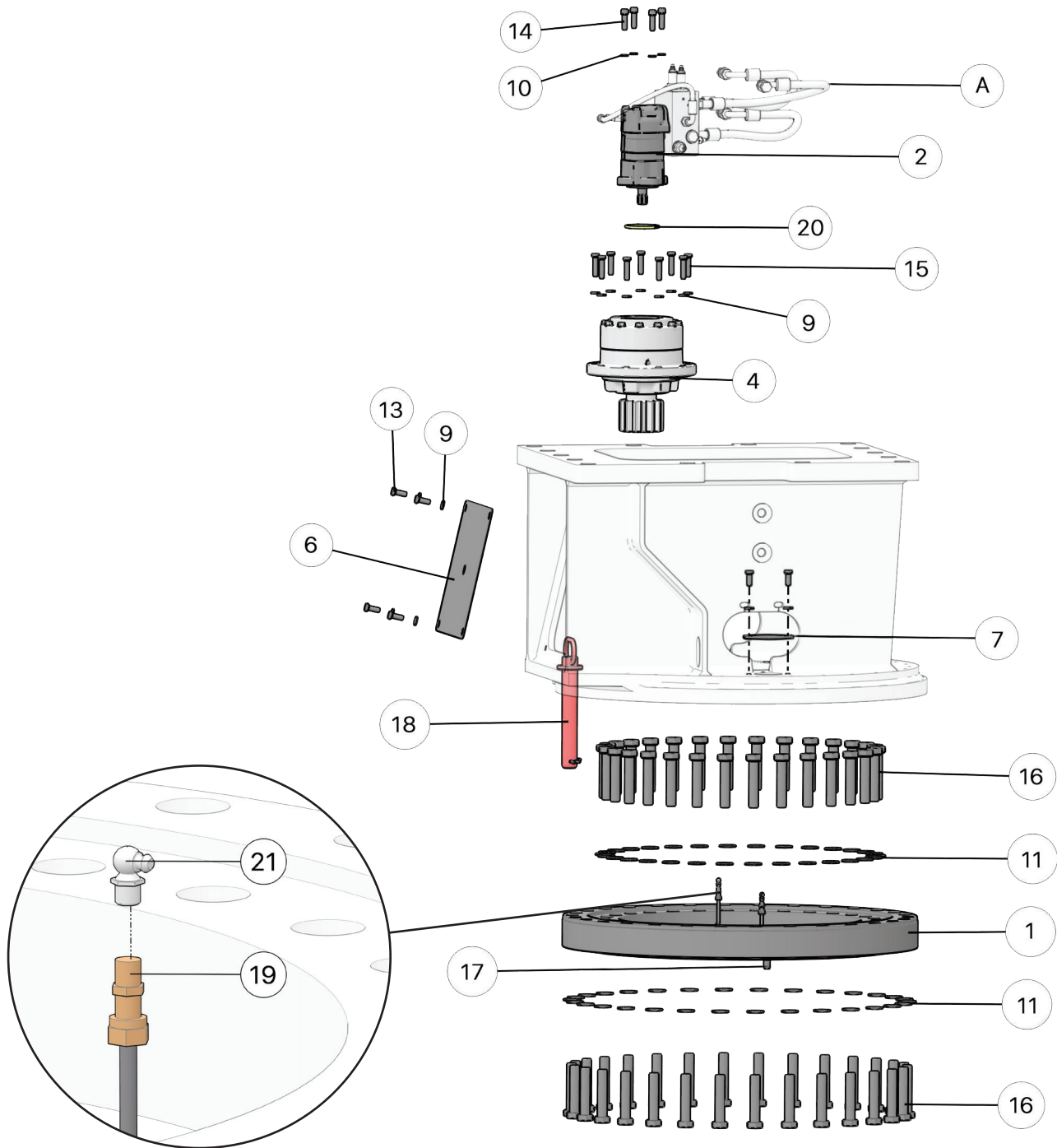
ROTATION

ROTATION ASSEMBLY

[See "Read this first" on page 3]

229758 REV. 1

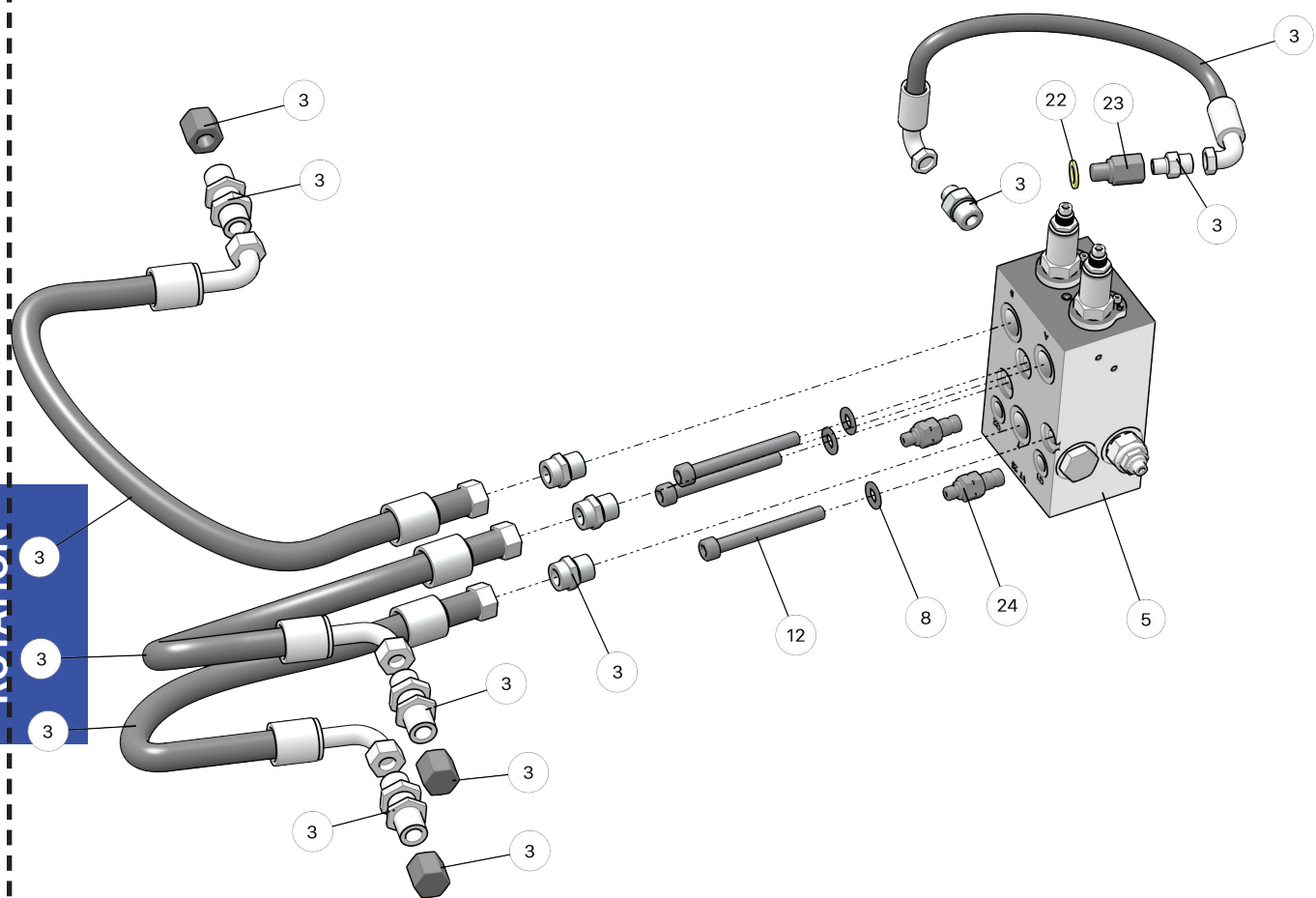
ROTATION



* See factory for bracket information

A

ROTATION



Rotation 229758 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	501347	Turntable Bearing	-	-	-	1
2	514585	Motor	-	-	-	1
3	518150	Hose Kit (See page 44)	-	-	-	1
4	511488	Gear Box	-	-	-	1
5	513260	Valve Assembly	-	-	-	1
6	229506	Cover	-	-	-	1
7	151404	Turntable Fastener Cover	-	-	-	2
8	500237	Washer	-	-	-	3
9	501446	Washer	M12	-	-	17
10	510105	Washer	M12	-	-	4
11	501445	Washer	M24	-	-	60
12	500860	Cap Screw	M10 x 1.5 x 90	49 (66)	-	3
13	501581	Cap Screw	M12 x 1.75 x 30	71 (96)	243	8
14	501584	Cap Screw	M12 x 1.75 x 40	85 (115)	243	4
15	501549	Cap Screw	M12 x 1.75 x 50	71 (96)	243	9

Rotation 229758 Parts List

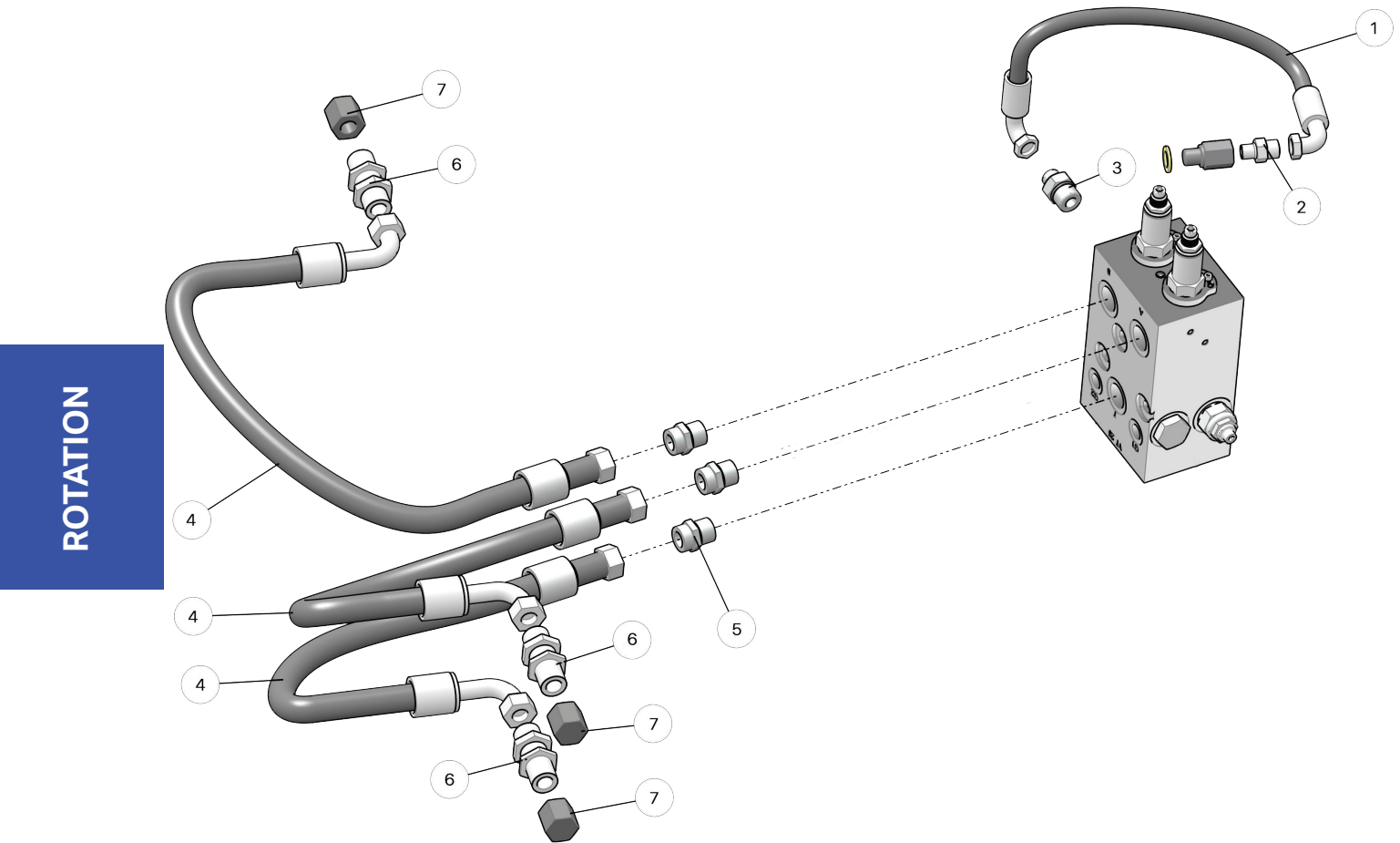
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
16	501626	Cap Screw - CRITICAL TORQUE	M24 x 3 x 120	750 (1,000)	263	60
17	510796	Dowel Pin	-	-	-	2
18	515025	Transport Pin	-	-	-	1
19	107435	Grease Tube Assembly	-	-	-	2
20	512391	O-ring	-	-	518 7649 Primer	1
21	502172	Grease Adapter	-	-	-	2
22	501684	Seal	-	-	-	1
23	501685	Adapter	-	-	-	1
24	502290	Quick Connect Fitting	-	-	-	2

ROTATION

HOSE KIT

[See "Read this first" on page 3]

518150 REV. 1



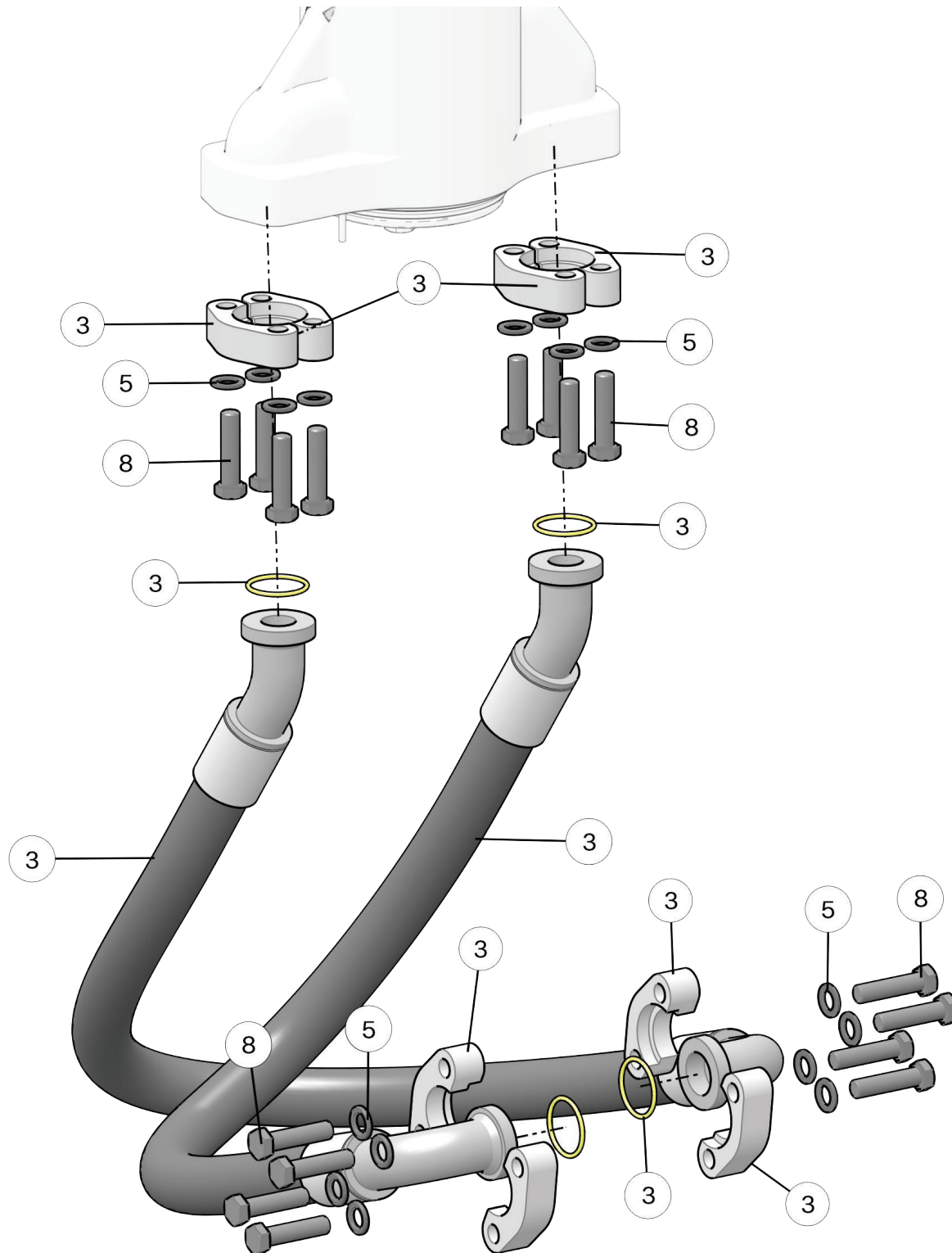
Hose Kit 518150 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	108573	Motor Case Drain Hose	-	18 (25)	243	1
2	500916	Hydraulic Adapter	-4 M FFORX to -4 SAE MB	22 (30)	243	1
3	500940	Hydraulic Adapter	-4 M FFORX to -8 SAE MB	52 (70)	243	1
4	518149	Hose Assembly	-	40 (55)	243	3
5	500917	Hydraulic Adapter	-8 ORS to -8 M FFORX	52 (70)	243	3
6	500919	Hydraulic Adapter	-8 M FFORX	-	-	3
7	501026	Hydraulic Adapter Plug	-8 F FFORX	-	-	3

HYDRAULIC ASSEMBLY

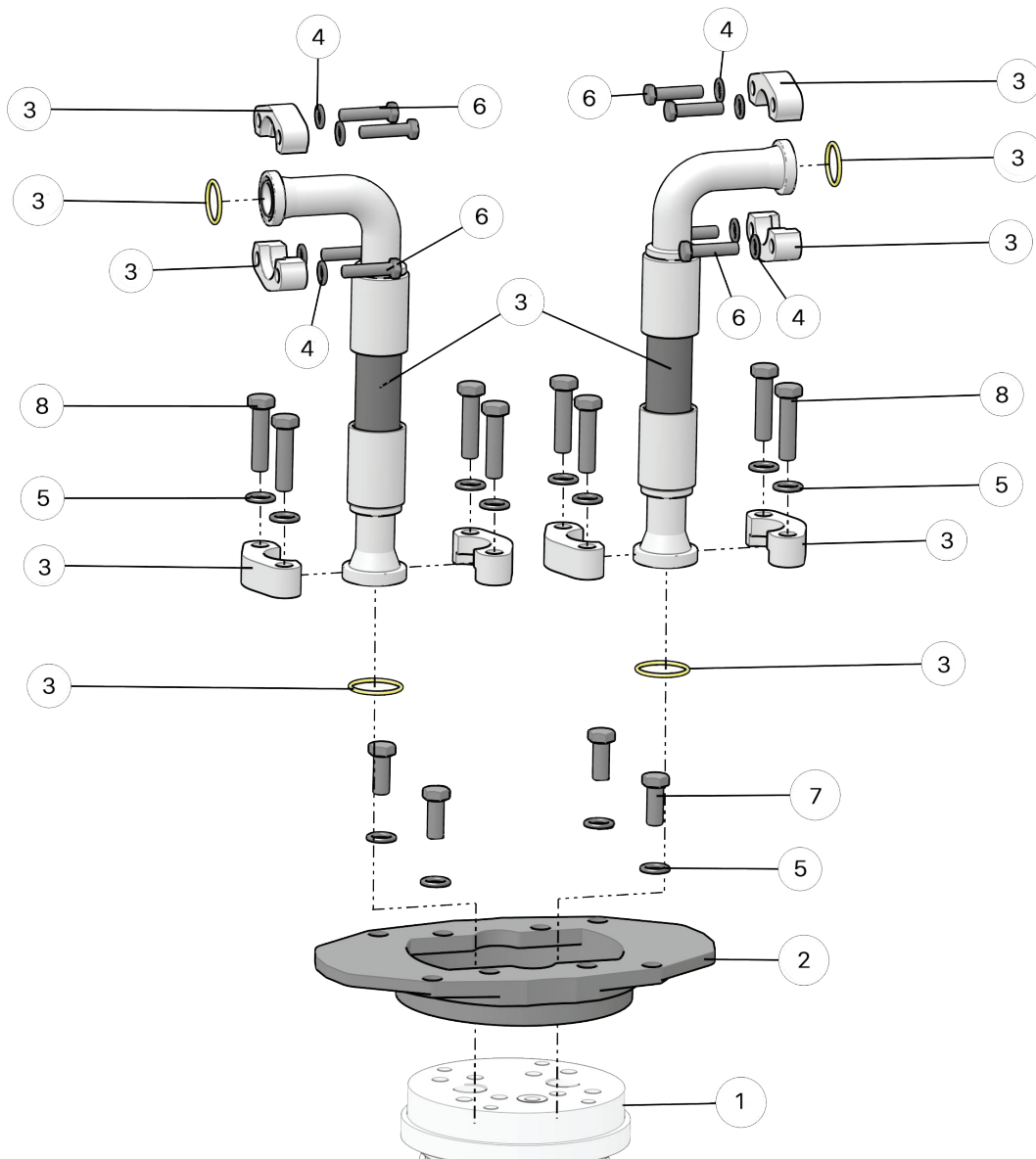
HYDRAULIC ASSEMBLY

[See "Read this first" on page 3]

222769 REV. 1



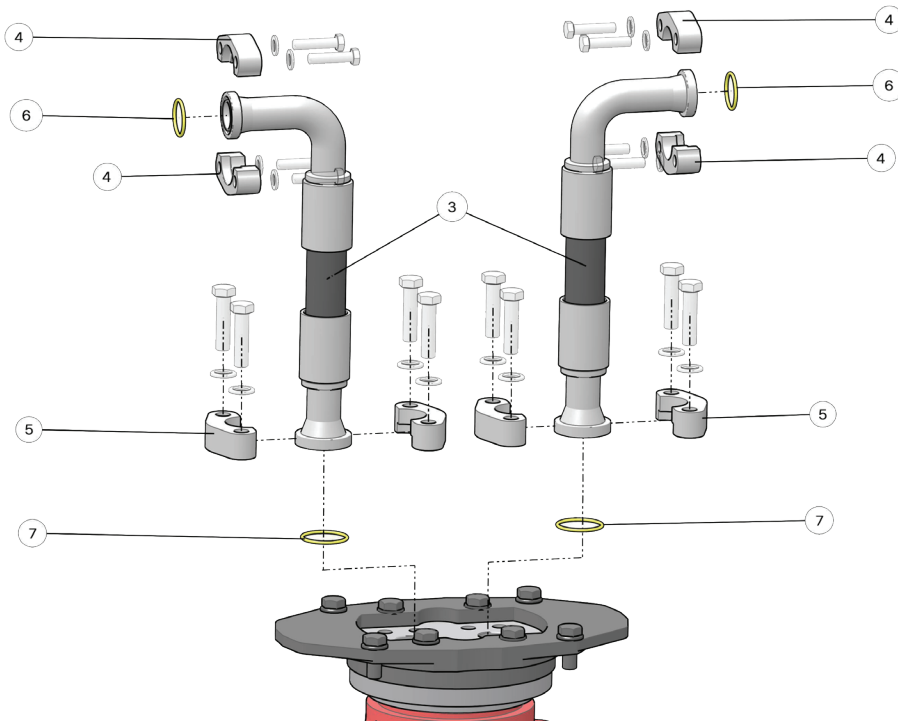
HYDRAULIC



Hydraulic Assembly 222769 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	512753	Hydraulic Manifold (See page 51)	-	-	-	1
2	207674	Swivel Bracket	-	-	-	1
3	516439	Hose Kit (See page 47)	-	-	-	1
4	501446	Washer	M12	-	-	8
5	501554	Washer	M16	-	-	28
6	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
7	501548	Cap Screw	M16 x 2 x 40	175 (235)	243	4
8	501553	Cap Screw	M16 x 2 x 65	215 (300)	243	24

HYDRAULIC

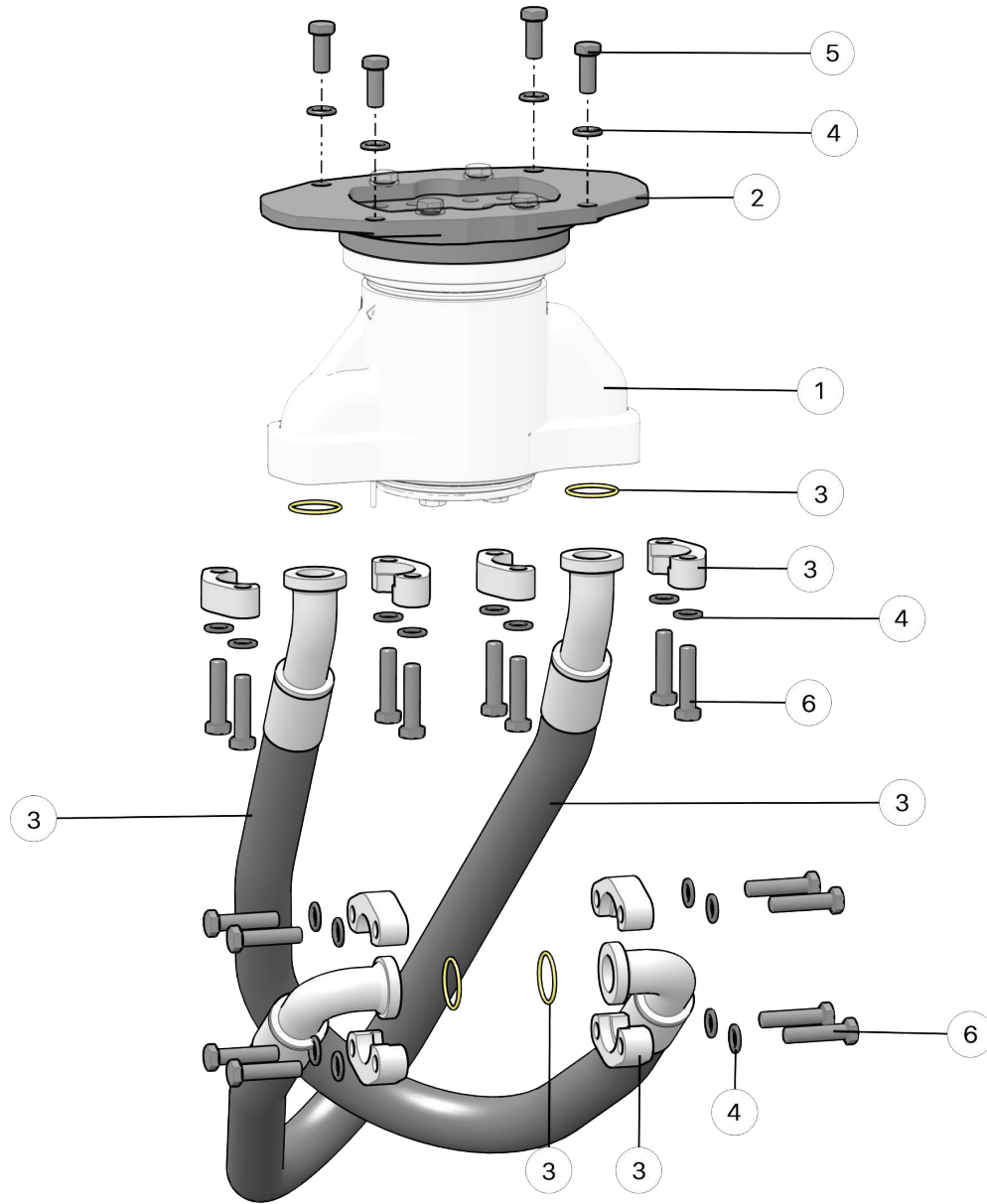


Hose Kit 516439 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	164954	Retract Hose Assembly (Long)	-	-	-	1
2	164953	Extend Hose Assembly (Short)	-	-	-	1
3	516424	Swivel to Port Block Hose	-	-	-	2
4	500090	Split Flange Half	1.25" SAE Code 62	-	-	4
5	500098	Split Flange Half	1.50" SAE Code 62	-	-	12
6	500100	O-ring Seal	SAE 222-90 SAE 1.25" Code 62	-	-	2
7	500101	O-ring Seal	SAE 225-90 SAE 1.50" Code 62	-	-	6

HYDRAULIC ASSEMBLY

[See "Read this first" on page 3]

229508 REV. 1



HYDRAULIC

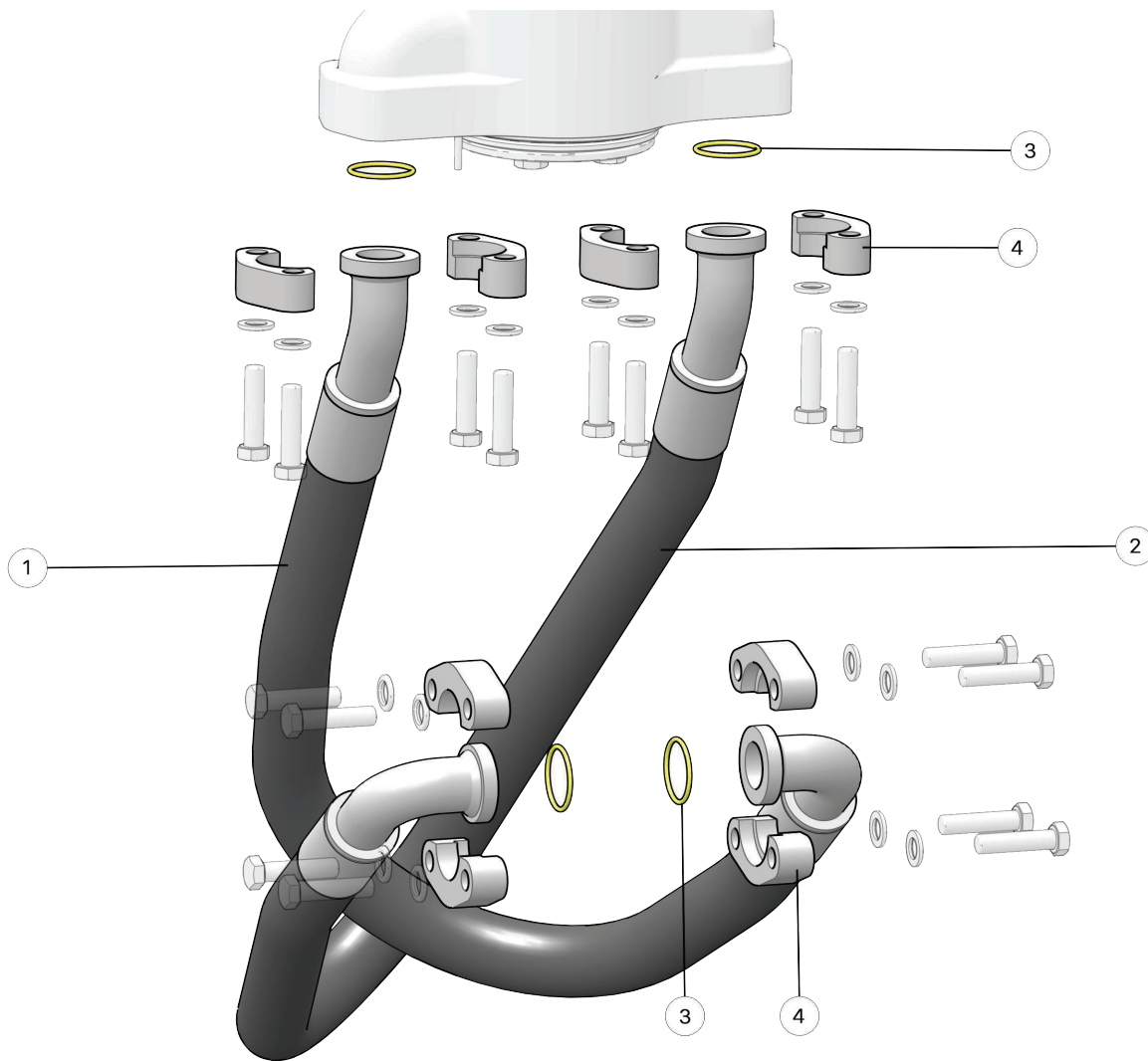
Hydraulic Assembly 229508 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	512753	Hydraulic Manifold (See page 51)	-	-	-	1
2	207674	Swivel Bracket	-	-	-	1
3	166579	Hose Kit	-	-	-	1
4	501554	Washer	M16	-	-	20
5	501548	Cap Screw	M16 x 2 x 40	175 (235)	243	4
6	501553	Cap Screw	M16 x 2 x 65	215 (300)	243	16

HOSE KIT

[See "Read this first" on page 3]

166579 REV. 5



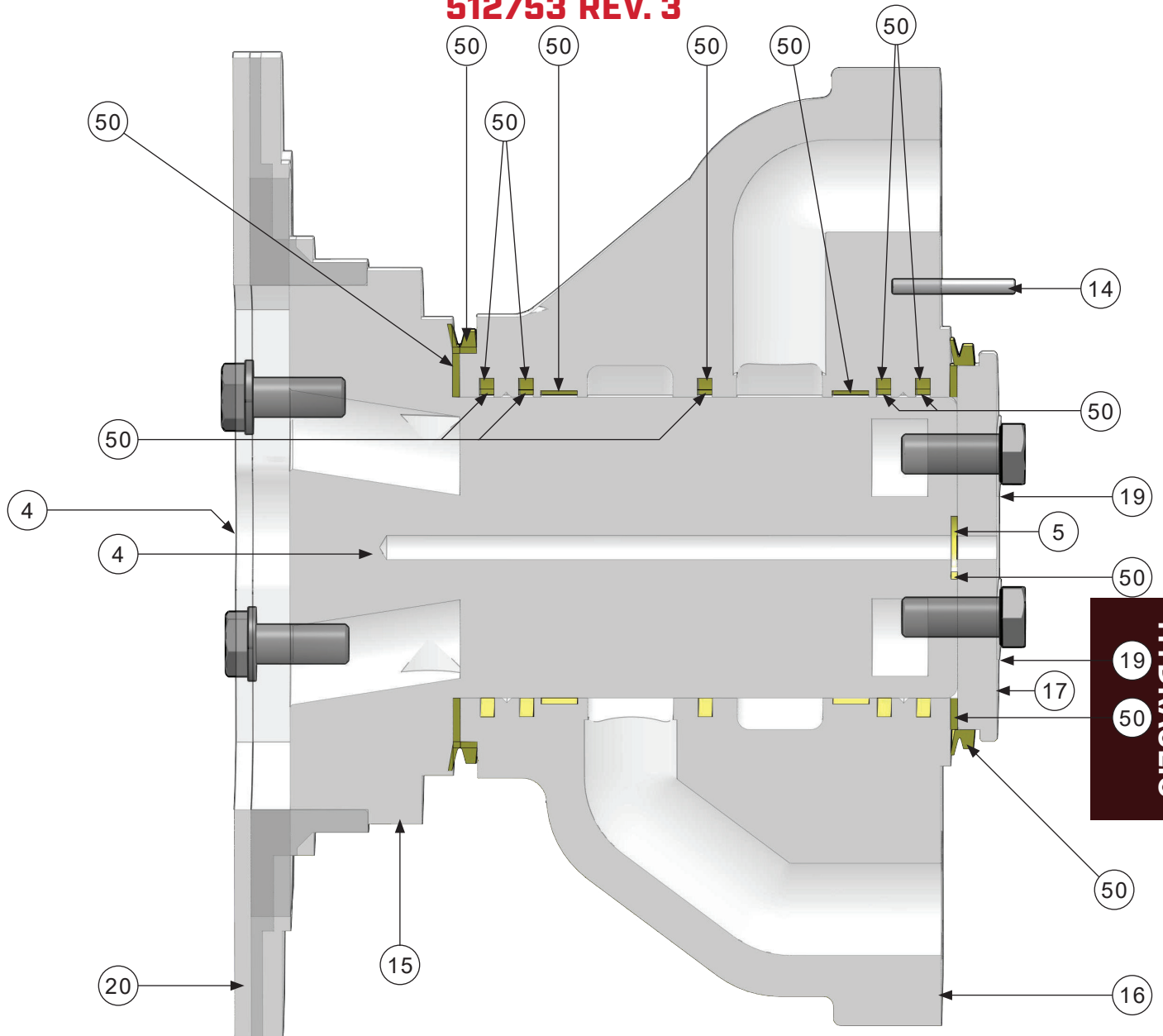
HYDRAULIC

Hose Kit 166579 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	512753	Hose Assembly	-	-	-	1
2	501554	Hose Assembly	-	-	-	16
3	501553	O-ring Seal	SAE 225-90 SAE 1.50" Code 62	-	-	16
4	166579	Split Flange Half	1.50" SAE Code 62	-	-	1

HYDRAULIC MANIFOLD

[See "Read this first" on page 3]

512753 REV. 3



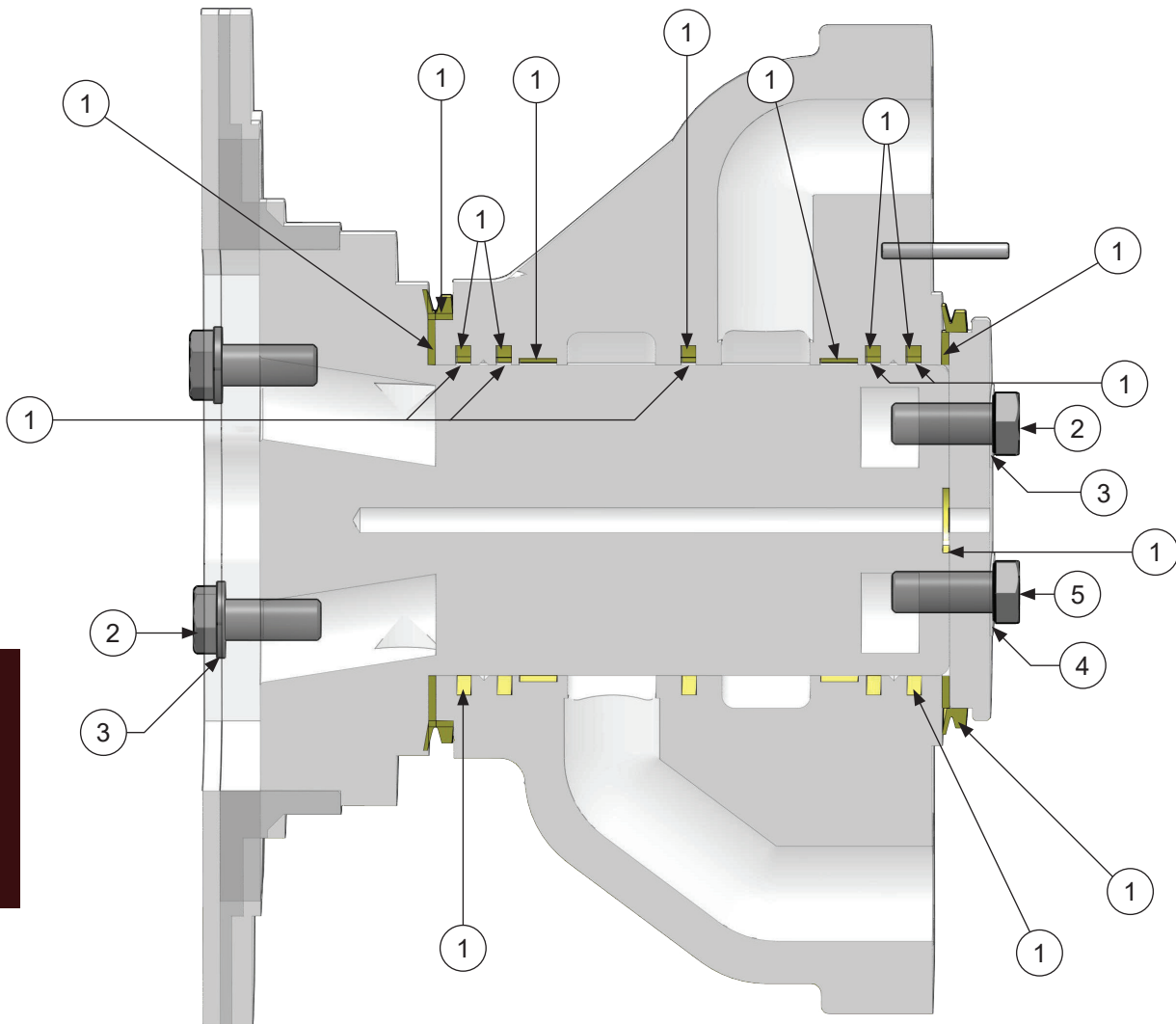
Hydraulic Manifold 512753 Parts List			
Item	Part Number	Description	Qty
2	514185	Expander ball	1
4	502739	Plug	1
5	514187	O-ring Seal	1
14	514194	Locating Pin	1
15	514195	Spool Machining	1
16	514191	Housing Machining	1
17	514192	Cap Machining	1
19	514193	Plate	2
20	512198	Stop Machining	1
50	175359	Seal Kit with Bolts (See page 52)	1

HYDRAULIC MANIFOLD SEAL KIT WITH BOLTS

[See "Read this first" on page 3]

175359 REV. 2

HYDRAULIC



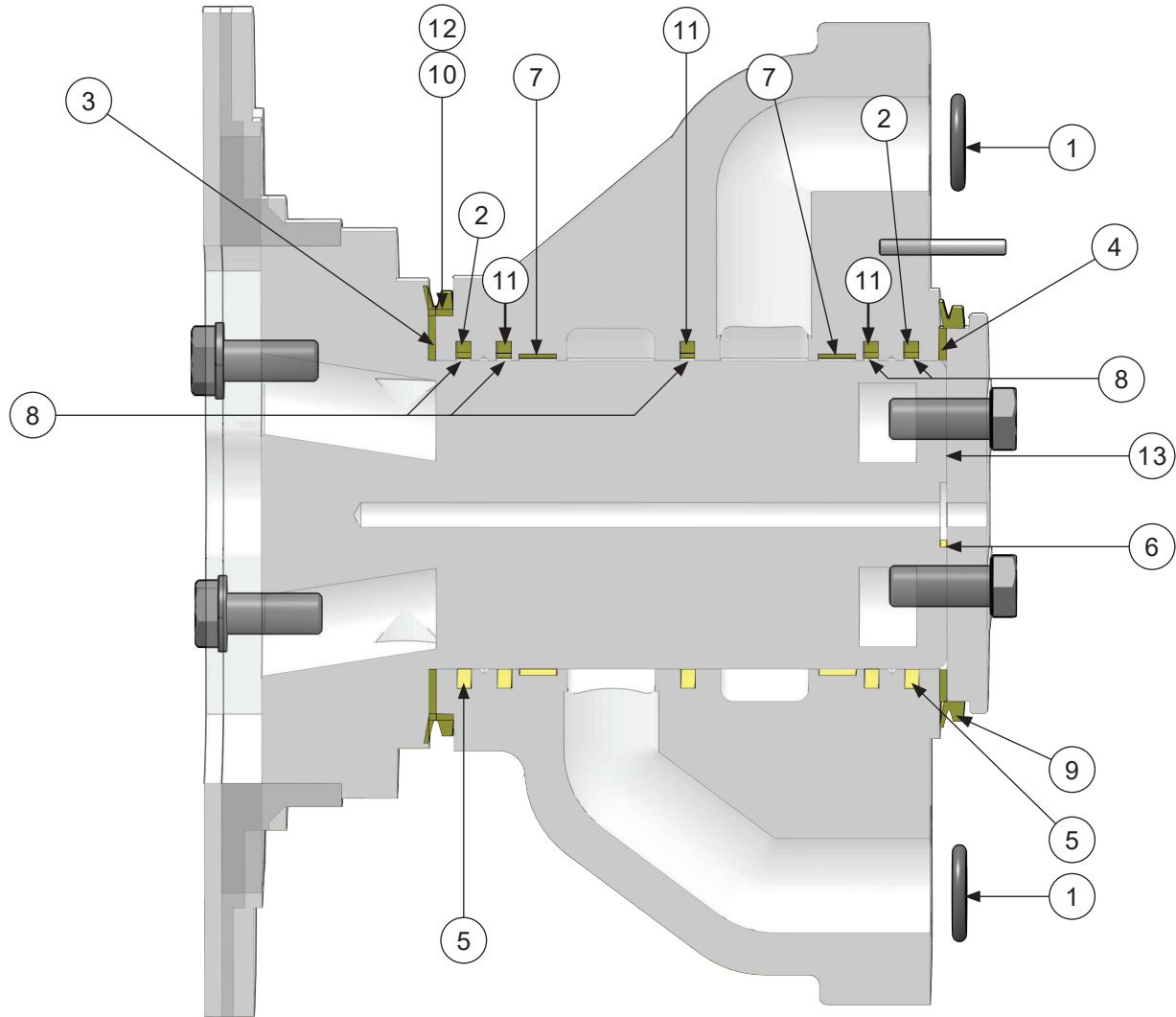
Hydraulic Manifold Seal Kit with Bolts 175359 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	512068	Hydraulic Manifold Seal Kit (See page 53)	-	-	-	1
2	501548	Cap Screw	M16 x 2 x 40	-	-	8
3	501589	Lock Washer	M16	-	-	8
4	501193	Lock Washer	M10	-	-	4
5	502137	Cap Screw	M10 x 1.5 x 30	-	-	4

HYDRAULIC MANIFOLD SEAL KIT

[See "Read this first" on page 3]

512068 REV. 2



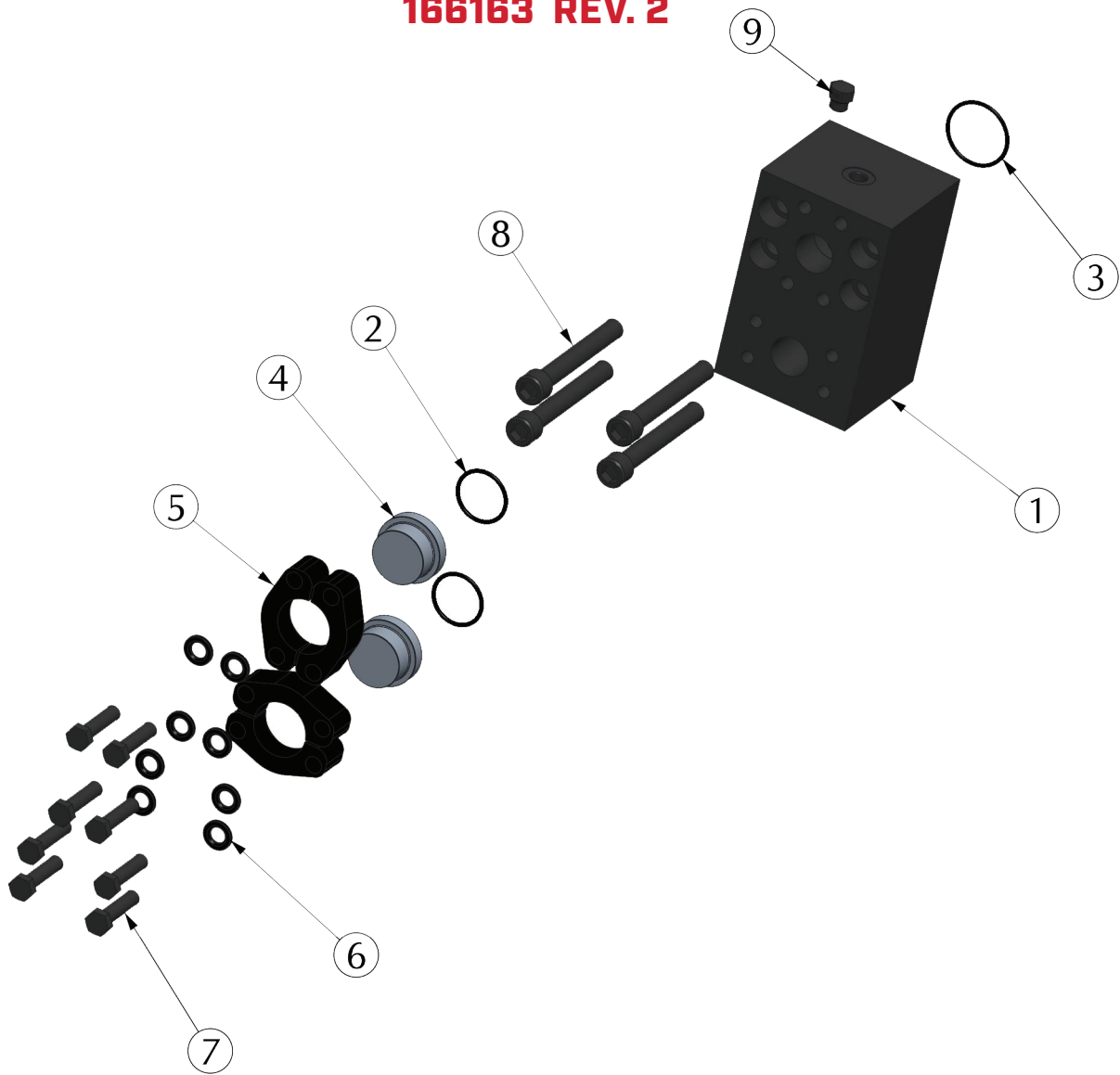
HYDRAULIC

Hydraulic Manifold Seal Kit 512068 Parts List

Item	Part Number	Description	Qty
1	500344	O-ring	1
2	513378	Square Seal	2
3	513379	Thrust Washer	1
4	513380	Thrust Washer	1
5	513381	Shaft Seal	2
6	513382	O-ring Seal	2
7	513383	Wear Ring Seal	2
8	513384	Rotary Seal	2
9	513385	V-ring Seal	1
10	513386	V-ring Seal (Swivel 512753, 512672)	1
11	514211	Rotary Seal	3
12	514212	V-ring Seal (Swivel 512201, 512133, 512080, 512067)	1
13	514213	O-ring Seal	1

PORT KITS

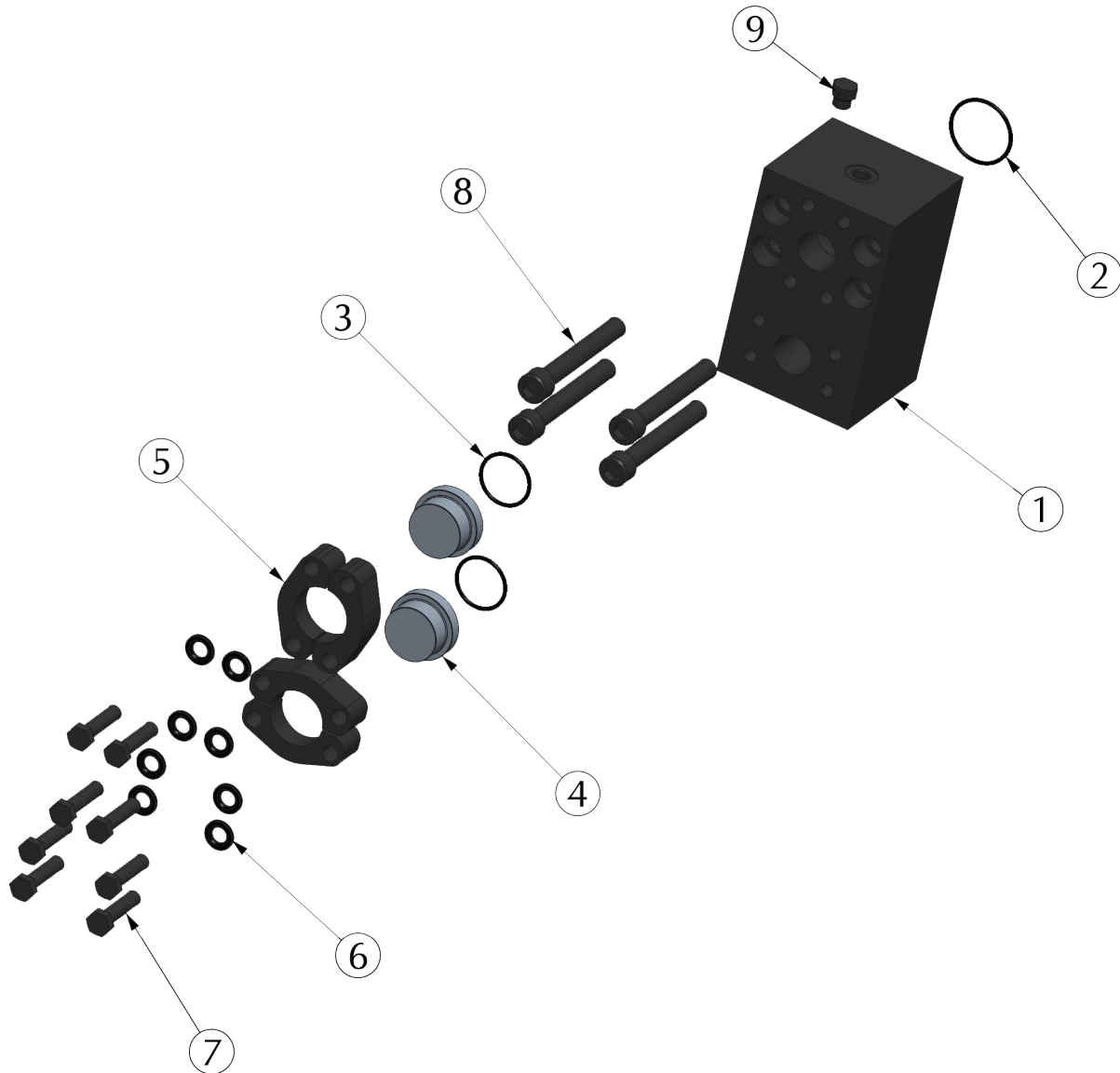
PORT KIT
[See “Read this first” on page 3]
166163 REV. 2



PORT KITS

Port Kit 166163 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	165030	Manifold	-	-	-	2
2	500100	O-ring	-	-	-	4
3	500101	O-ring	-	-	-	2
4	500091	Plug	-	-	-	4
5	500090	Flange Half	-	-	-	8
6	501446	Washer	M12	-	-	16
7	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	242	16
8	510953	Cap Screw	M16 x 2 x 120	210 (280)	262	8
9	500346	Plug	-	30 (40)	262	2

PORT KIT [See "Read this first" on page 3] **166258 REV. 3**



PORT KITS

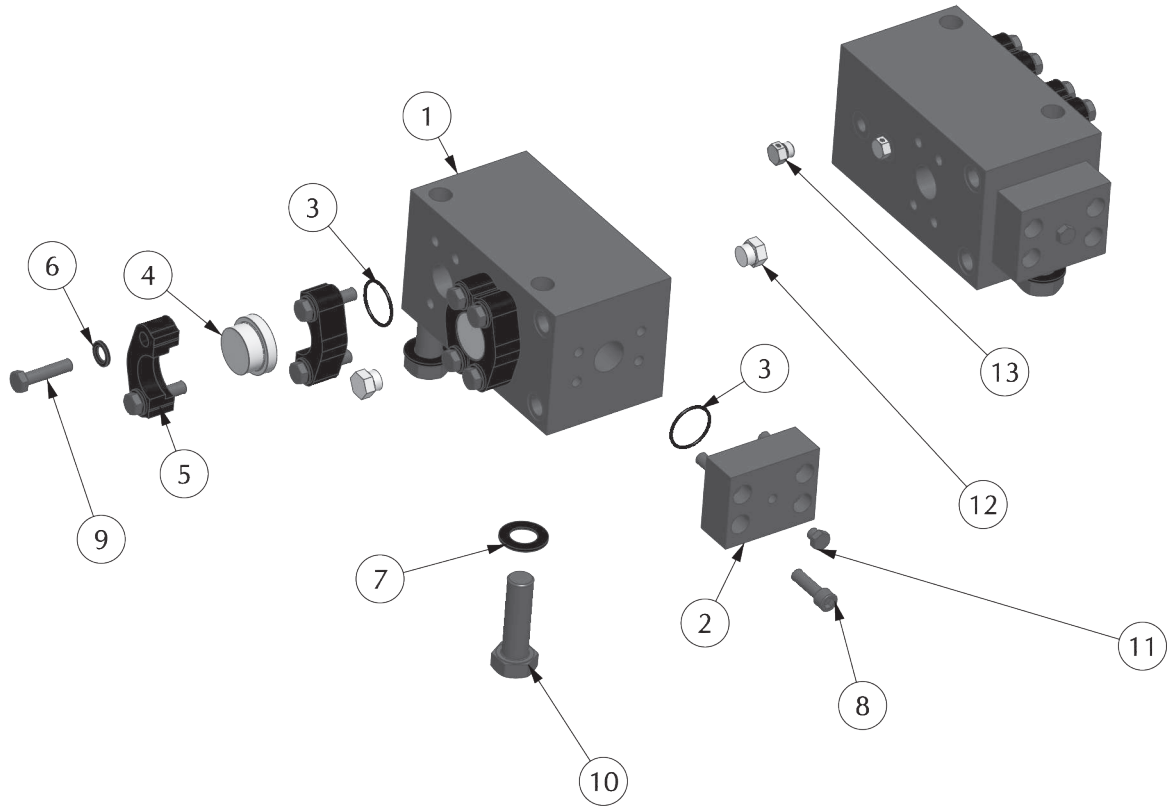
Port Kit 166258 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	165030	Manifold	-	-	-	2
2	500101	O-ring	-	-	-	2
3	500017	D-ring Seal	-	-	-	4
4	110434	Plug	-	-	-	4
5	500018	Flange Half	-	-	-	8
6	501446	Washer	M12	-	-	16
7	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	242	16
8	510953	Cap Screw	M16 x 2 x 120	210 (280)	262	8
9	500346	Plug	-	30 (40)	262	2

PORT KIT

[See "Read this first" on page 3]

222897 REV. 4



PORT KITS

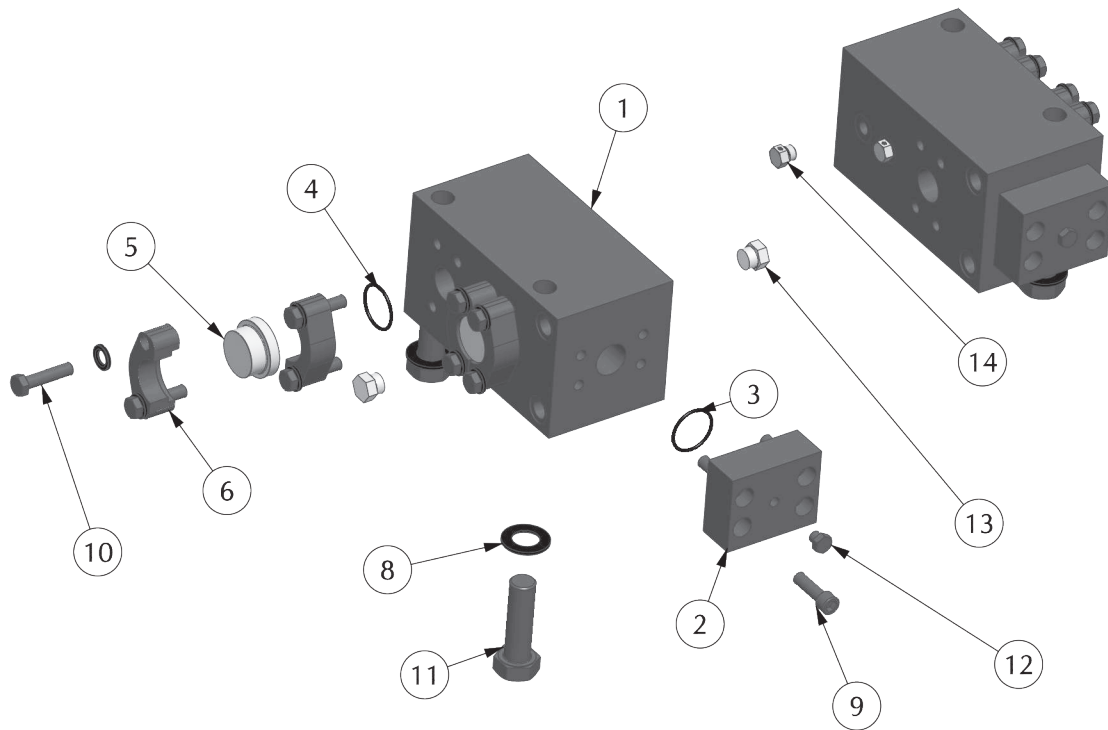
Port Kit 222897 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	222767	Port Block	-	-	-	2
2	516435	Adapter	-	-	-	2
3	500100	O-ring	-	-	-	6
4	500091	Plug	-	-	-	4
5	500090	Flange Half	-	-	-	8
6	501446	Washer	M12	-	-	16
7	501445	Washer	M24	-	-	4
8	501584	Cap Screw	M12 x 1.75 x 40	85 (116)	243	8
9	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	16
10	502116	Cap Screw	M24 x 3 x 80	580 (790)	263	4
11	501890	Plug	-	22 (30)	263	2
12	501207	Plug	-	52 (71)	263	2
13	516287	Plug	-	30 (40)	263	4

PORT KIT

[See "Read this first" on page 3]

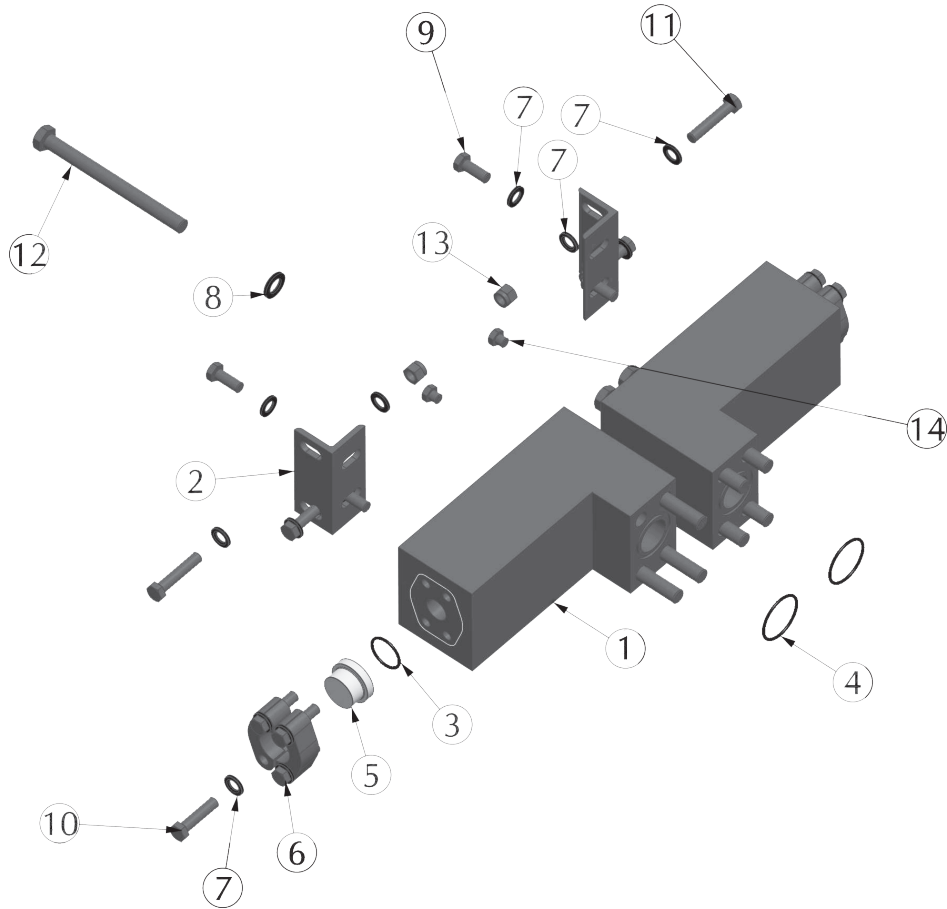
222898 REV. 4



Port Kit 222898 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	222767	Port Block	-	-	-	2
2	516435	Adapter	-	-	-	2
3	500100	O-ring	-	-	-	2
4	500017	D-ring Seal	-	-	-	4
5	110434	Plug	-	-	-	4
6	500018	Flange Half	-	-	-	8
7	501446	Washer	M12	-	-	16
8	501445	Washer	M24	-	-	4
9	501584	Cap Screw	M12 x 1.75 x 40	95 (130)	243	8
10	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	16
11	502116	Cap Screw	M24 x 3 x 80	580 (790)	262	4
12	501890	Plug	-	22 (30)	262	2
13	501207	Plug	-	52 (71)	263	2
14	516287	Plug	-	30 (40)	263	4

PORT KIT
 [See "Read this first" on page 3]
229907 REV. 1

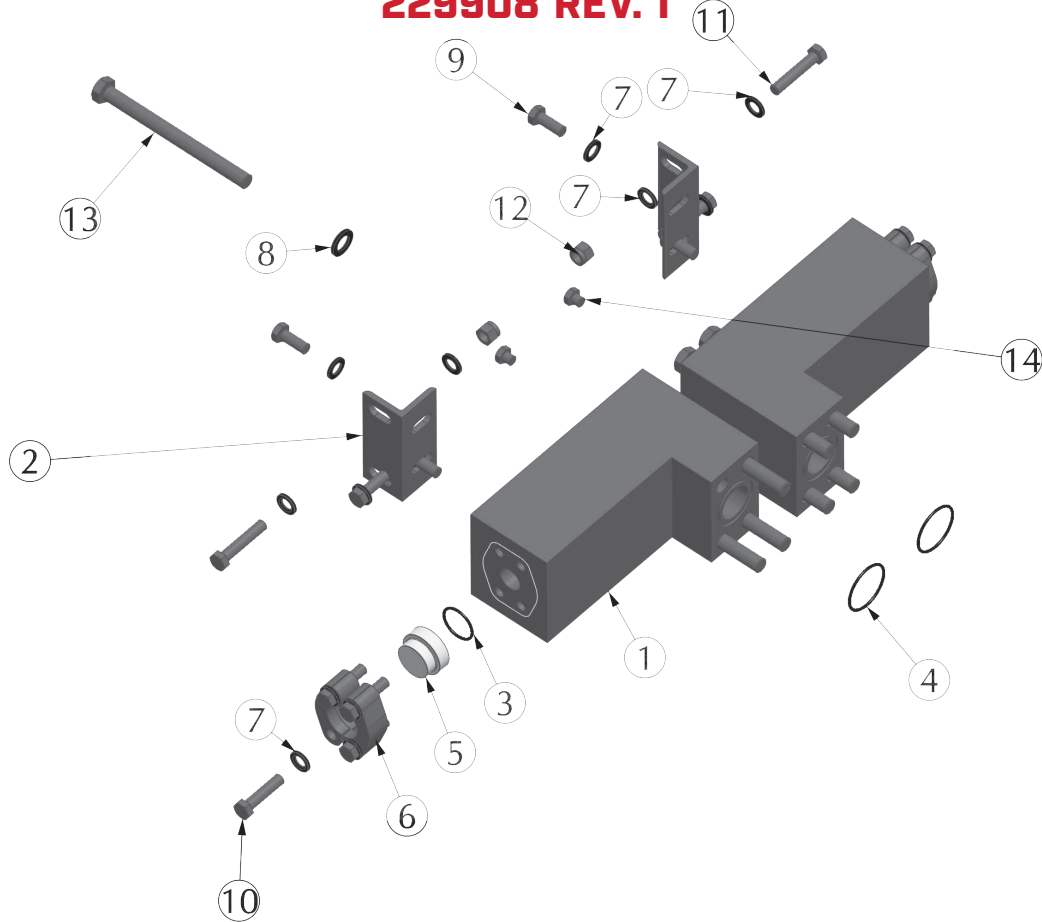


PORT KITS

Port Kit 229907 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	229909	Manifold	-	-	-	2
2	108796	Angle Bracket	-	-	-	2
3	500266	O-ring	-	-	-	2
4	500101	O-ring	-	-	-	2
5	501484	Plug	-	-	-	2
6	500267	Flange Half	-	-	-	4
7	501446	Washer	M12	-	-	20
8	501554	Washer	M16	-	-	8
9	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	263	4
10	501549	Cap Screw	M12 x 1.75 x 50	85 (116)	243	8
11	502383	Cap Screw	M12 x 1.75 x 60	70 (95)	263	4
12	502118	Cap Screw	M16 x 2 x 180	170 (230)	263	8
13	502133	Nut	M12 x 1.75	-	-	4
14	501890	Plug	-	22 (30)	263	2

PORT KIT
 [See "Read this first" on page 3]
229908 REV. 1



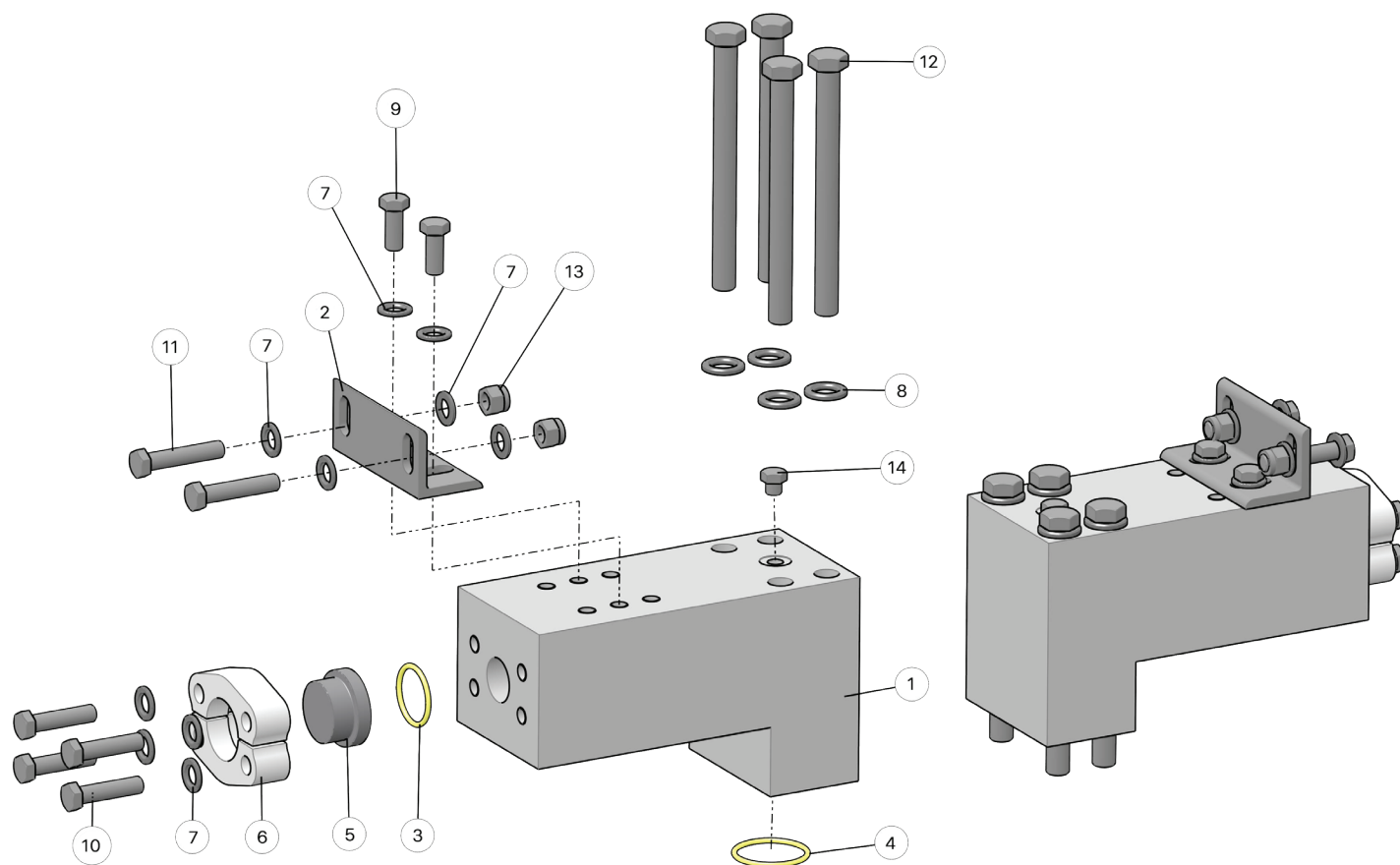
Port Kit 229908 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	229909	Manifold	-	-	-	2
2	108796	Angle Bracket	-	-	-	2
3	500021	D-ring Seal	-	-	-	2
4	500101	O-ring	-	-	-	2
5	503812	Plug	-	-	-	2
6	503968	Flange Half	-	-	-	4
7	501446	Washer	M12	-	-	20
8	501554	Washer	M16	-	-	8
9	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	263	4
10	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
11	502383	Cap Screw	M12 x 1.75 x 60	70 (95)	263	4
12	502133	Nut	M12 x 1.75	-	-	4
13	502118	Cap Screw	M16 x 2 x 180	170 (230)	263	8
14	501890	Plug	-	22 (30)	263	2

PORT KIT

[See "Read this first" on page 3]

168973 REV. 4

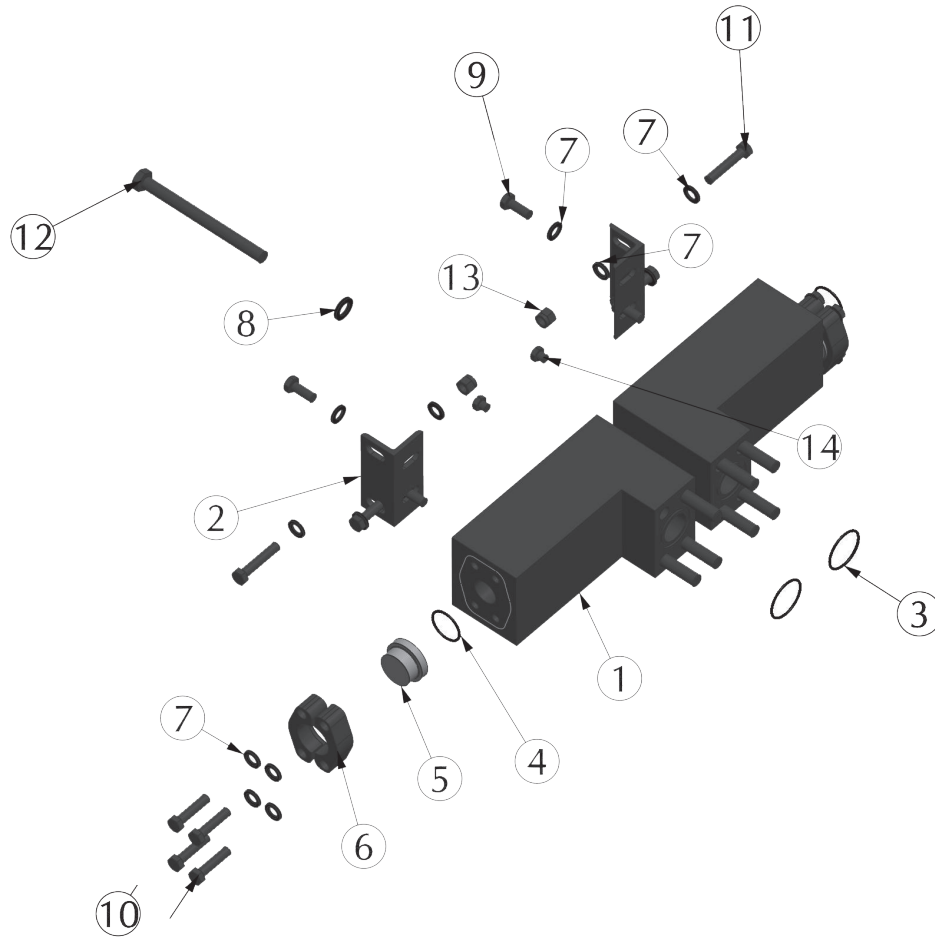


PORT KITS

Port Kit 168973 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	168979	Manifold	-	-	-	2
2	108796	Angle Bracket	-	-	-	2
3	500100	O-ring	-	-	-	2
4	500101	O-ring	-	-	-	2
5	500091	Plug	-	-	-	2
6	500090	Flange Half	-	-	-	4
7	501446	Washer	M12	-	-	20
8	501554	Washer	M16	-	-	8
9	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	263	4
10	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
11	502383	Cap Screw	M12 x 1.75 x 60	70 (95)	263	4
12	502118	Cap Screw	M16 x 2 x 180	170 (230)	263	8
13	502133	Nut	M12 x 1.75	-	-	4
14	501890	Plug	-	22 (30)	263	2

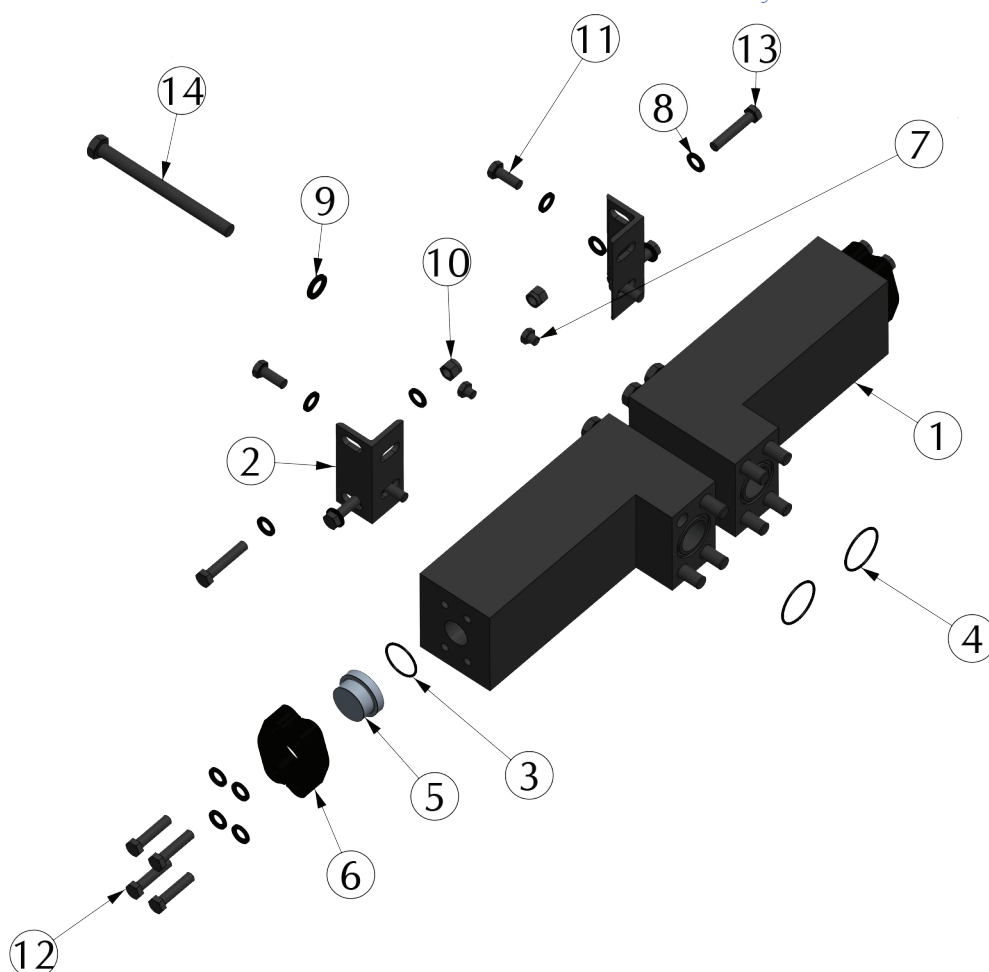
PORT KIT
[See “Read this first” on page 3]
229906 REV. 1



Port Kit 229906 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	168979	Manifold	-	-	-	2
2	108796	Angle Bracket	-	-	-	2
3	500101	O-ring	-	-	-	2
4	500017	D-ring Seal	-	-	-	2
5	110434	Plug	-	-	-	2
6	500018	Flange Half	-	-	-	4
7	501446	Washer	M12	-	-	20
8	501554	Washer	M16	-	-	8
9	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	263	4
10	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
11	502383	Cap Screw	M12 x 1.75 x 60	70 (95)	263	4
12	502118	Cap Screw	M16 x 2 x 180	170 (230)	263	8
13	502133	Nut	M12 x 1.75	-	-	4
14	501890	Plug	-	22 (30)	263	2

PORT KIT
 [See "Read this first" on page 3]
232685 REV. 1

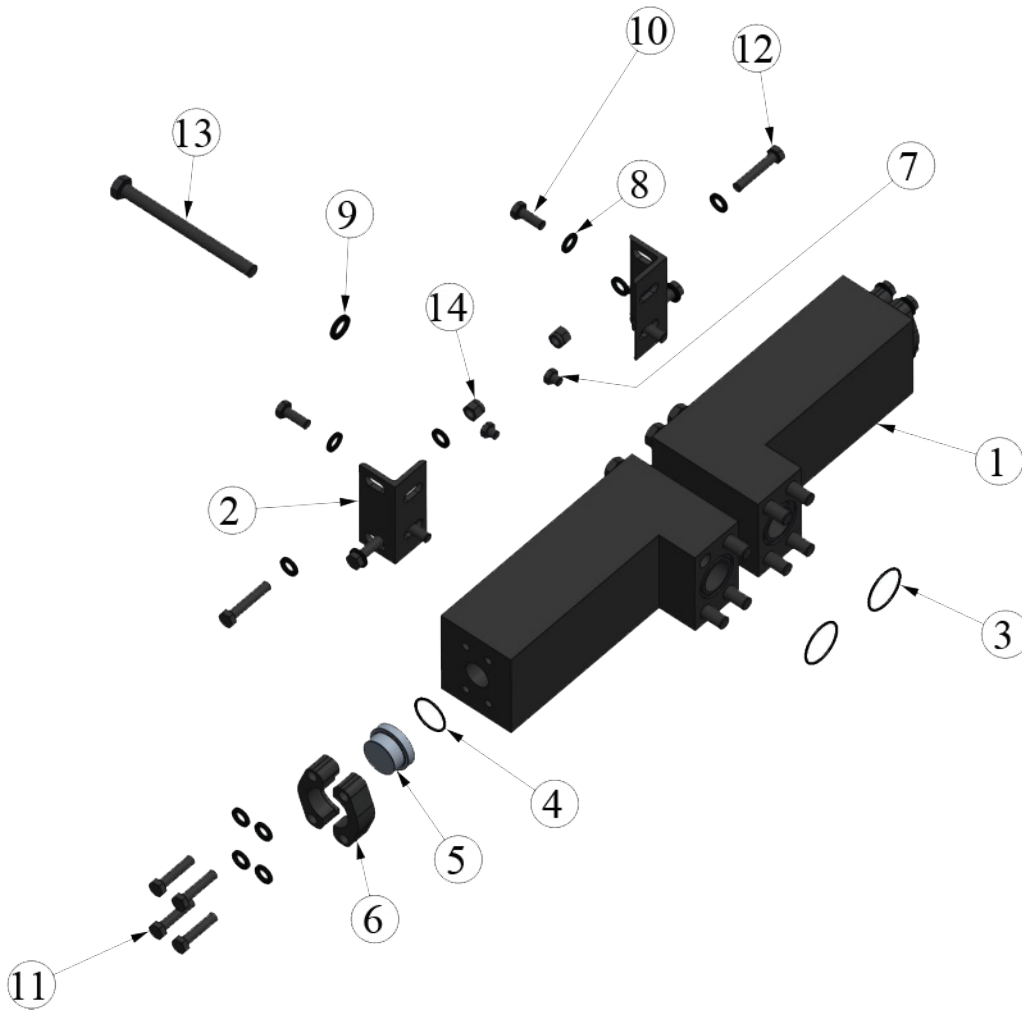


PORT KITS

Port Kit 232685 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	232686	Manifold	-	-	-	2
2	108796	Angle Bracket	-	-	-	2
3	500100	O-ring	-	-	-	2
4	500101	O-ring	-	-	-	2
5	500091	Plug	-	-	-	2
6	500090	Flange Half	-	-	-	4
7	501890	Plug	-	22 (30)	263	2
8	501446	Washer	M12	-	-	20
9	501554	Washer	M16	-	-	8
10	502133	Nut	M12 x 1.75	-	-	4
11	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	263	4
12	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
13	502383	Cap Screw	M12 x 1.75 x 60	70 (95)	263	4
14	502118	Cap Screw	M16 x 2.00 x 180	170 (230)	263	8

PORT KIT
[See “Read this first” on page 3]
241667 REV. 1



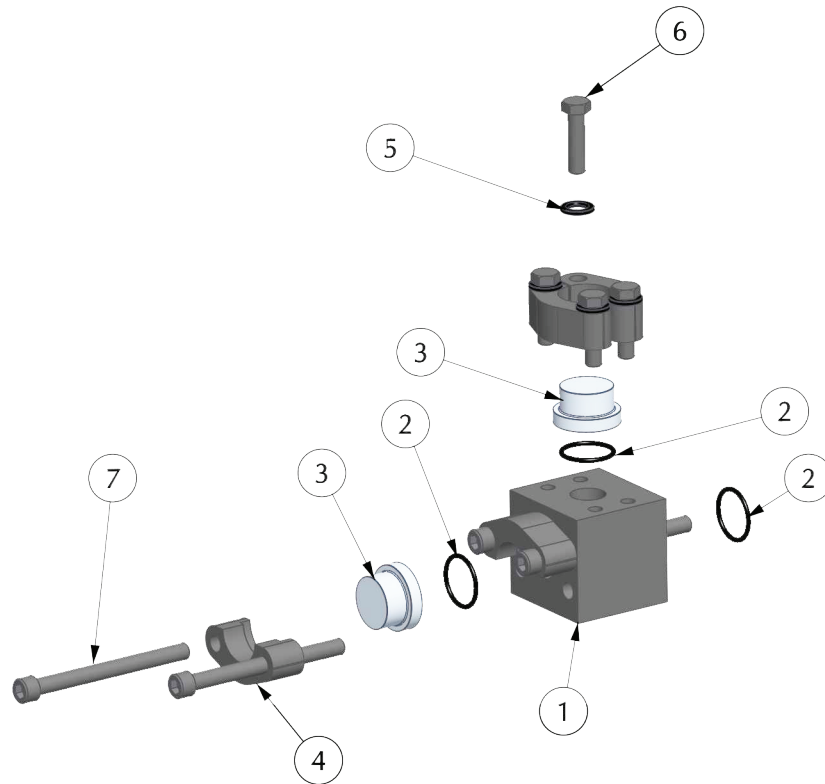
Port Kit 241667 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	232686	Manifold	-	-	-	2
2	108796	Angle Bracket	-	-	-	2
3	500101	O-ring	-	-	-	2
4	500017	O-ring	-	-	-	2
5	110434	Plug	-	-	-	2
6	500018	Flange Half	-	-	-	4
7	501890	Plug	-	22 (30)	263	2
8	501446	Washer	M12	-	-	20
9	501554	Washer	M16	-	-	8
10	501581	Cap Screw	M12 x 1.75 x 30	70 (95)	263	4
11	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
12	502383	Cap Screw	M12 x 1.75 x 60	70 (95)	263	4
13	502118	Cap Screw	M16 x 2.00 x 180	170 (230)	263	8
14	502133	Nut	M12 x 1.75	-	-	4

PORT KIT

[See "Read this first" on page <?>]

229935 REV. 2



PORT KITS

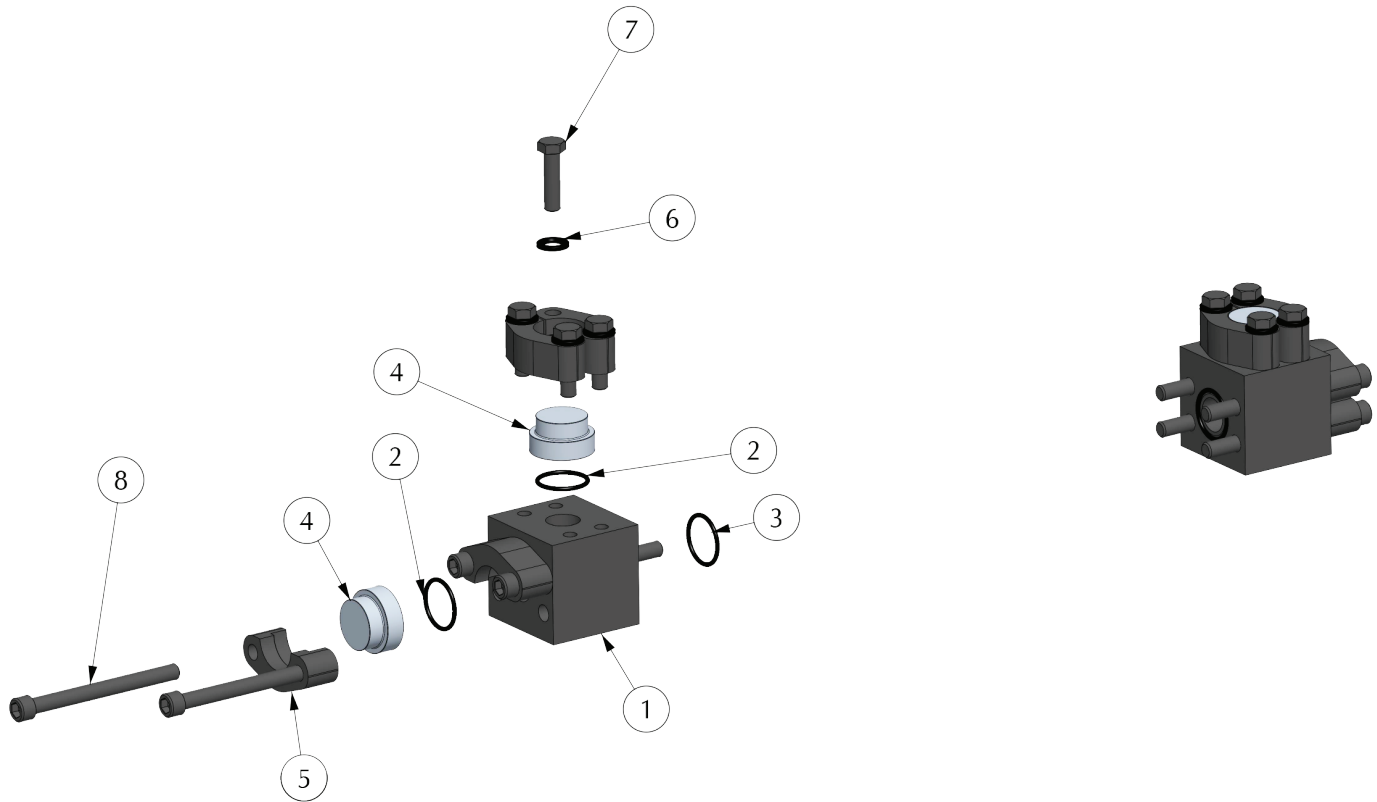
Port Kit 229935 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	518284	Manifold	-	-	-	2
2	500266	O-ring	-	-	-	6
3	501484	Plug	-	-	-	4
4	500267	Flange Half	-	-	-	8
5	501446	Washer	M12	-	-	8
6	501550	Cap Screw	M12 x 1.75 x 45	95 (130)	243	8
7	511387	Cap Screw	M12 x 1.75 x 130	95 (130)	243	8

PORT KIT

[See “Read this first” on page <?>]

229936 REV. 2



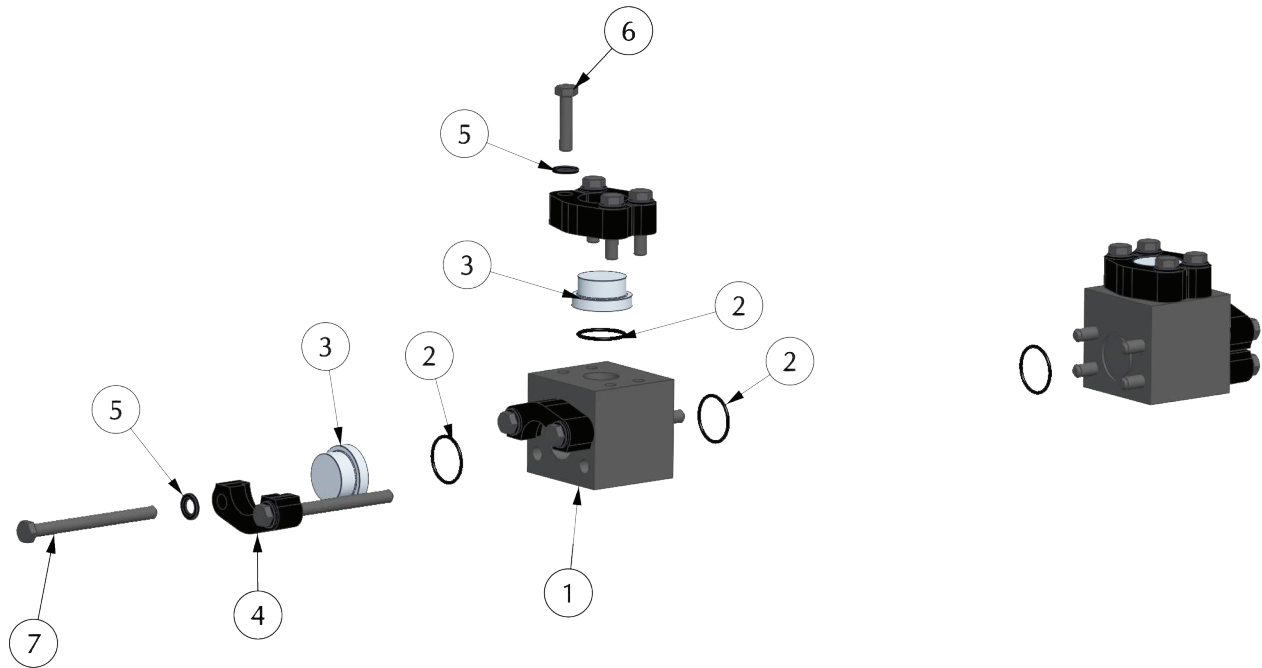
Port Kit 229936 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	518284	Manifold	-	-	-	2
2	500021	D-ring Seal	-	-	-	4
3	500266	O-ring	-	-	-	2
4	503812	Plug	-	-	-	4
5	503968	Flange Half	-	-	-	8
6	501446	Washer	M12	-	-	8
7	501550	Cap Screw	M12 x 1.75 x 45	95 (130)	243	8
8	511387	Cap Screw	M12 x 1.75 x 130	95 (130)	243	8

PORT KITS

PORT KIT

[See “Read this first” on page <?>]

229937 REV. 1



PORT KITS

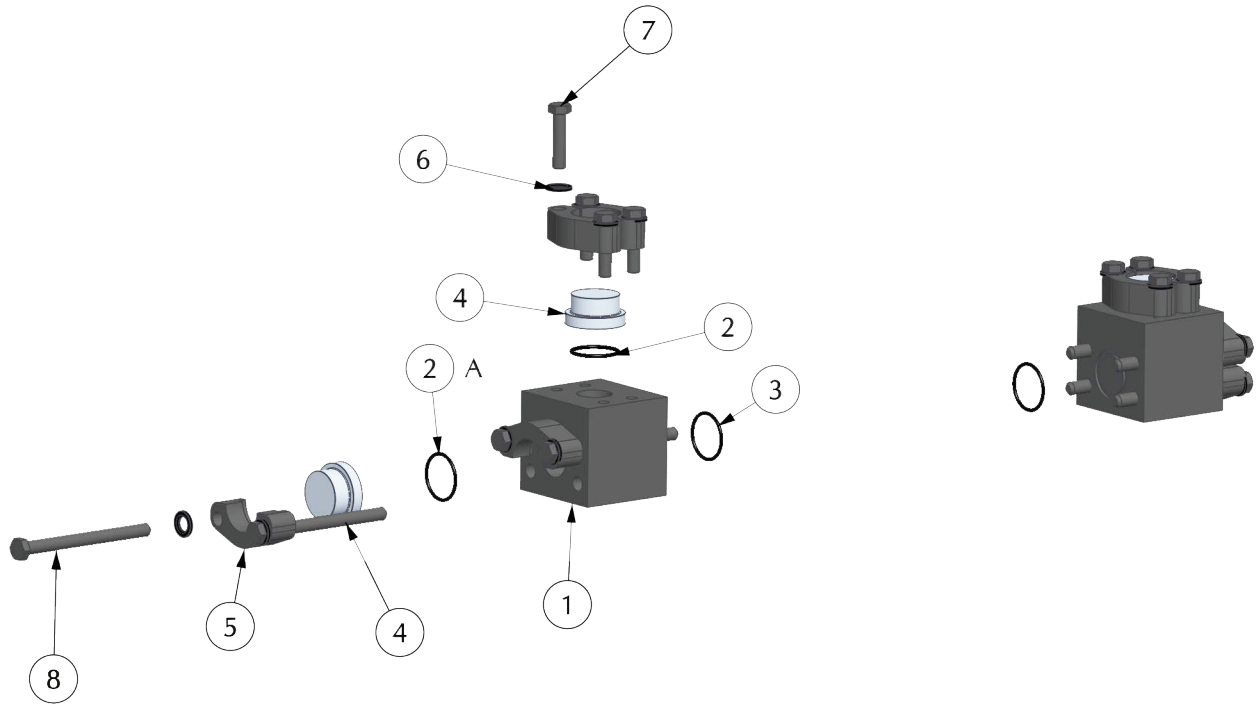
Port Kit 229937 Parts List

Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	518285	Manifold	-	-	-	2
2	500100	O-ring	-	-	-	6
3	500091	Plug	-	-	-	4
4	500090	Flange Half	-	-	-	8
5	501446	Washer	M12	-	-	16
6	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
7	502101	Cap Screw	M12 x 1.75 x 140	95 (130)	243	8

PORT KIT

[See "Read this first" on page <?>]

229939 REV. 1

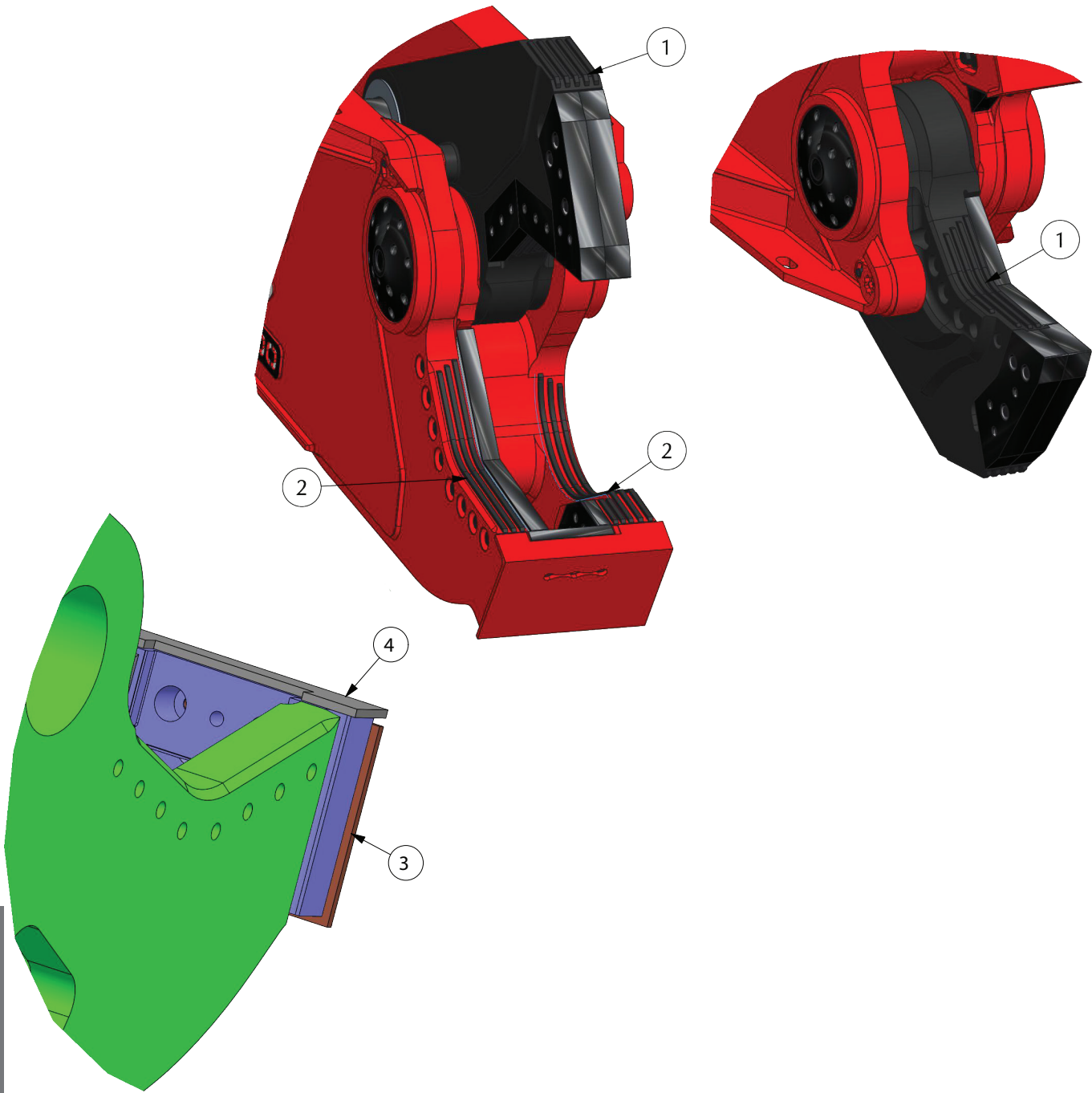


Port Kit 229939 Parts List						
Item	Part Number	Description	Size	Torque Ft. Lbs (Nm)	Loctite	Qty
1	518285	Manifold	-	-	-	2
2	500017	D-ring Seal	-	-	-	4
3	500100	O-ring	-	-	-	2
4	110434	Plug	-	-	-	4
5	500018	Flange Half	-	-	-	8
6	501446	Washer	M12	-	-	16
7	501549	Cap Screw	M12 x 1.75 x 50	95 (130)	243	8
8	502101	Cap Screw	M12 x 1.75 x 140	95 (130)	243	8

PORT KITS

WEAR KITS

WEAR KIT [See “Read this first” on page 3] 227089 REV. 3



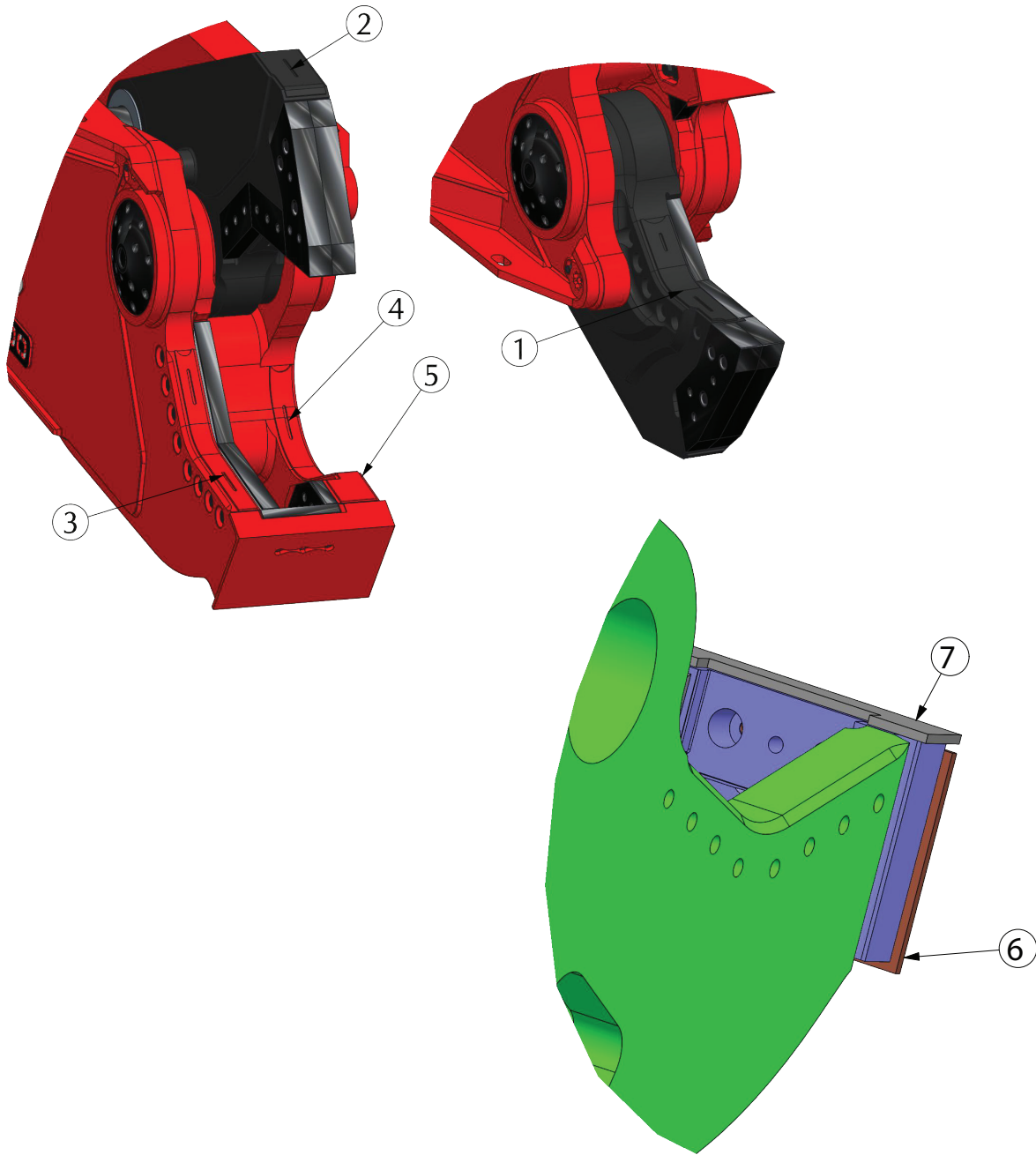
WEAR KITS

Wear Kit 227089 Parts List			
Item	Part Number	Description	Qty
1	227091	Upper Wear Bar Kit	1
2	227092	Lower Wear Bar Kit	1
3	223728	Front Wear Plate	1
4	223729	Top Wear Plate	1

WEAR KIT

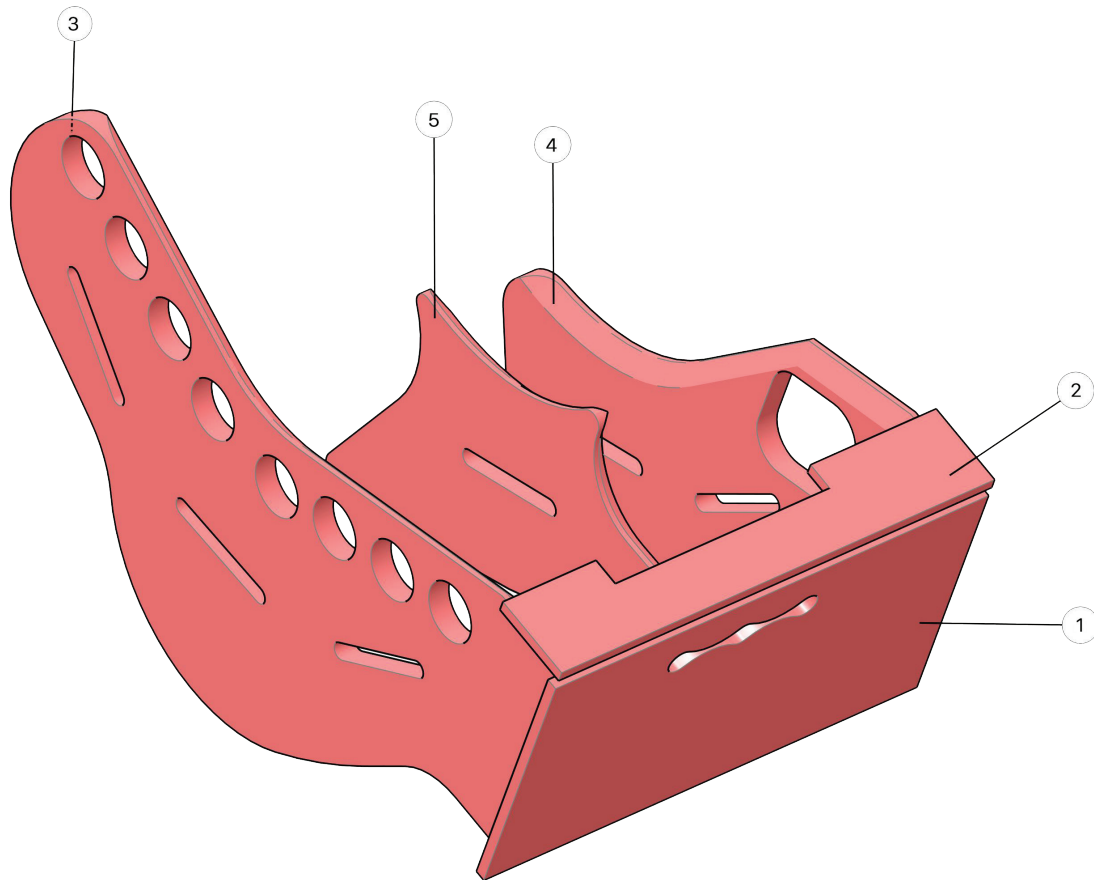
[See "Read this first" on page 3]

227093 REV. 2



Wear Kit 227093 Parts List			
Item	Part Number	Description	Qty
1	227094	Upper Blade Seat Wear Plate	1
2	227146	Upper Top Surface Wear Plate	1
3	227095	Lower Blade Side Wear Plate	1
4	227096	Lower Main Guide Wear Plate	1
5	227097	Lower Guideseat Wear Plate	1
6	223728	Front Wear Plate	1
7	223729	Top Wear Plate	1

WEAR KIT
[See “Read this first” on page 3]
229545 REV. 2



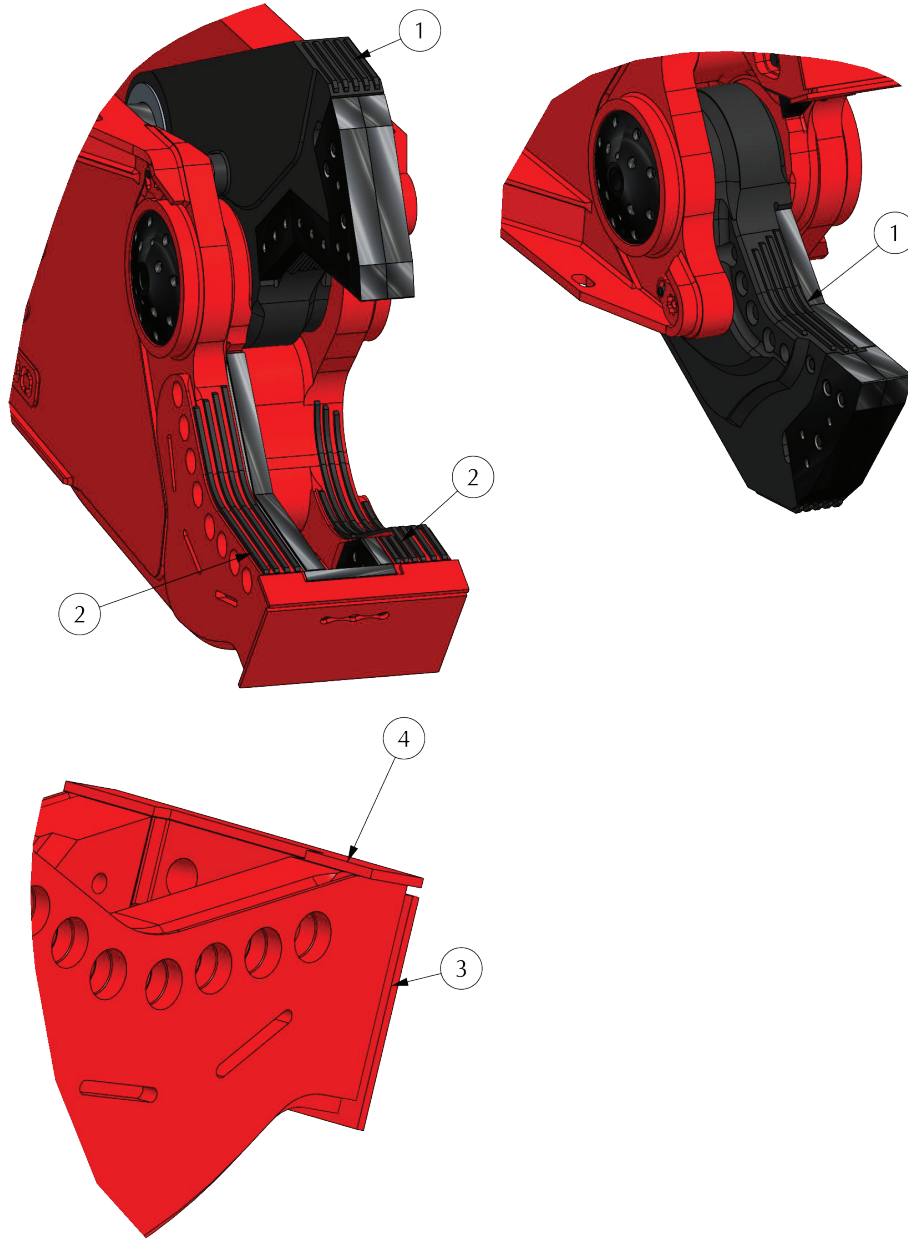
WEAR KITS

Wear Kit 229545 Parts List			
Item	Part Number	Description	Qty
1	229546	Front Wear Plate	1
2	229547	Top Wear Plate	1
3	229548	Wear Plate	1
4	229549	Wear Plate	1
5	229550	Wear Plate	1

WEAR KIT

[See "Read this first" on page 3]

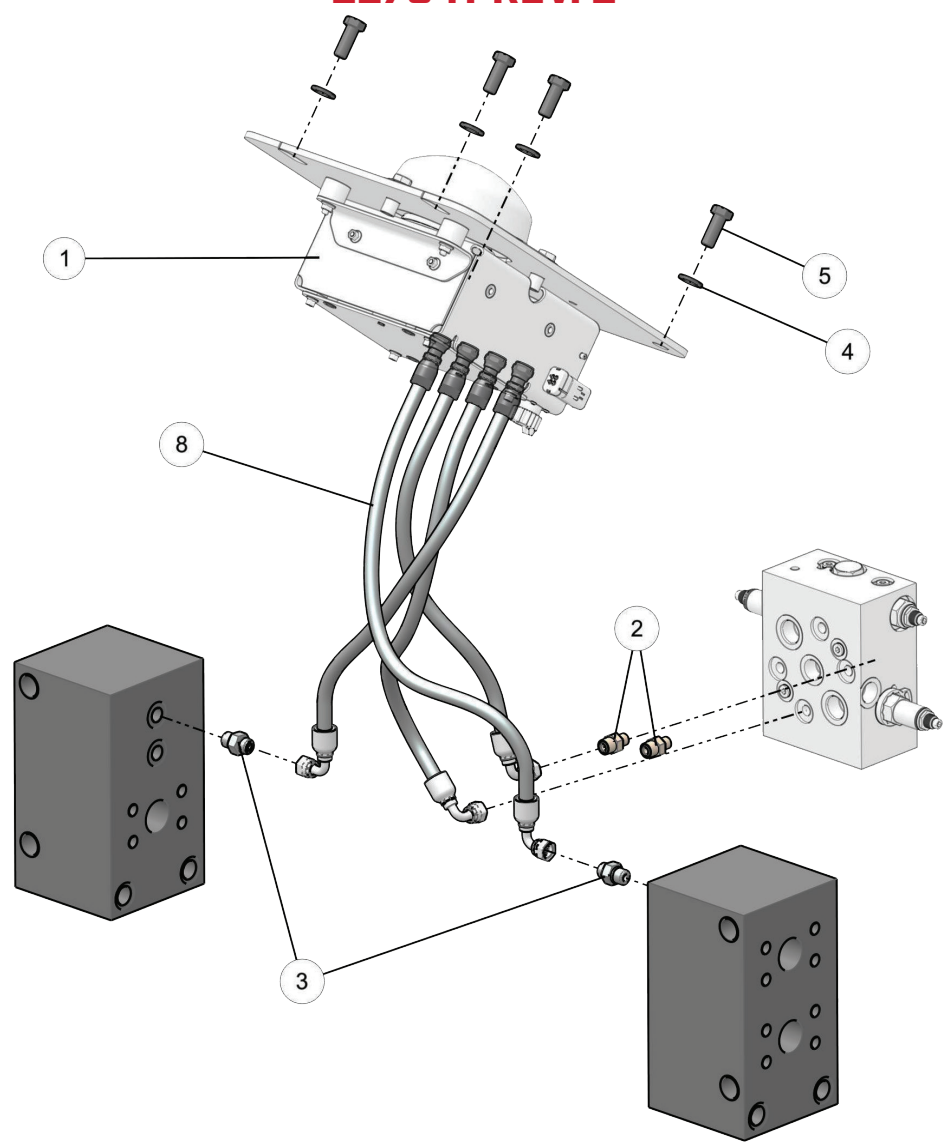
229647 REV. 1



Wear Kit 229647 Parts List			
Item	Part Number	Description	Qty
1	227091	Upper Wear Bar Kit	1
2	229648	Lower Wear Bar Kit	1
3	229546	Front Wear Plate	1
4	229547	Top Wear Plate	1

INSITE KITS

INSITE KIT
[See “Read this first” on page 3]
227841 REV. 2

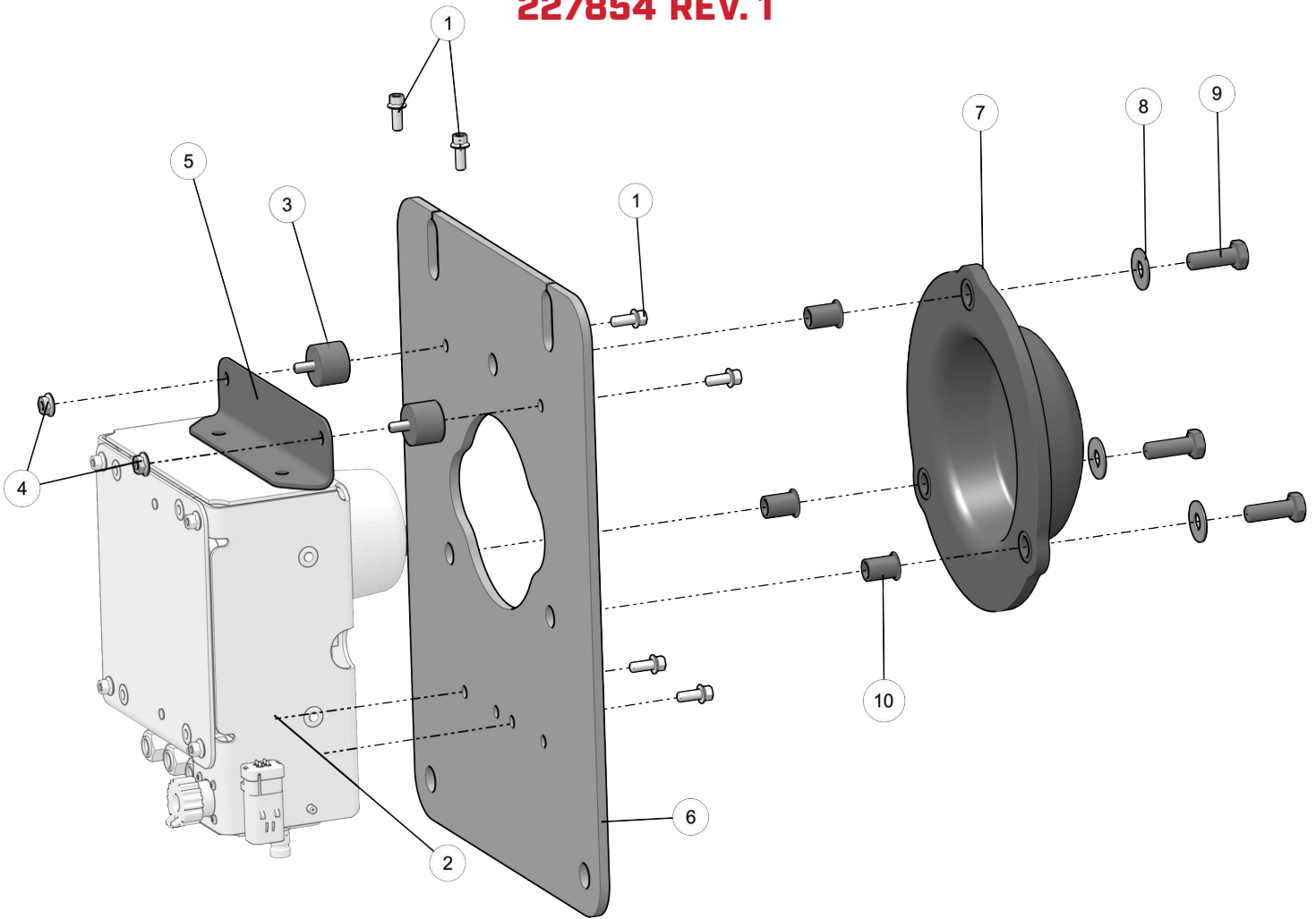


InSite Kit 227841 Parts List				
Item	Part Number	Description	Size	Qty
1	227854	InSite Control Box (See page 73)	-	1
2	500916	Adapter	-	2
3	500939	Adapter	-	2
4	501446	Washer	M12	4
5	501581	Cap Screw	M12 x 1.75 x 30	4
6	516554	10 Ft. Power Cable (Not Shown)	-	1
7	518440	Dust Cap (Not Shown)	-	1
8	518512	Hose Assembly	-	4

INSITE CONTROL BOX

[See "Read this first" on page 3]

227854 REV. 1



InSite Control Box 227854 Parts List

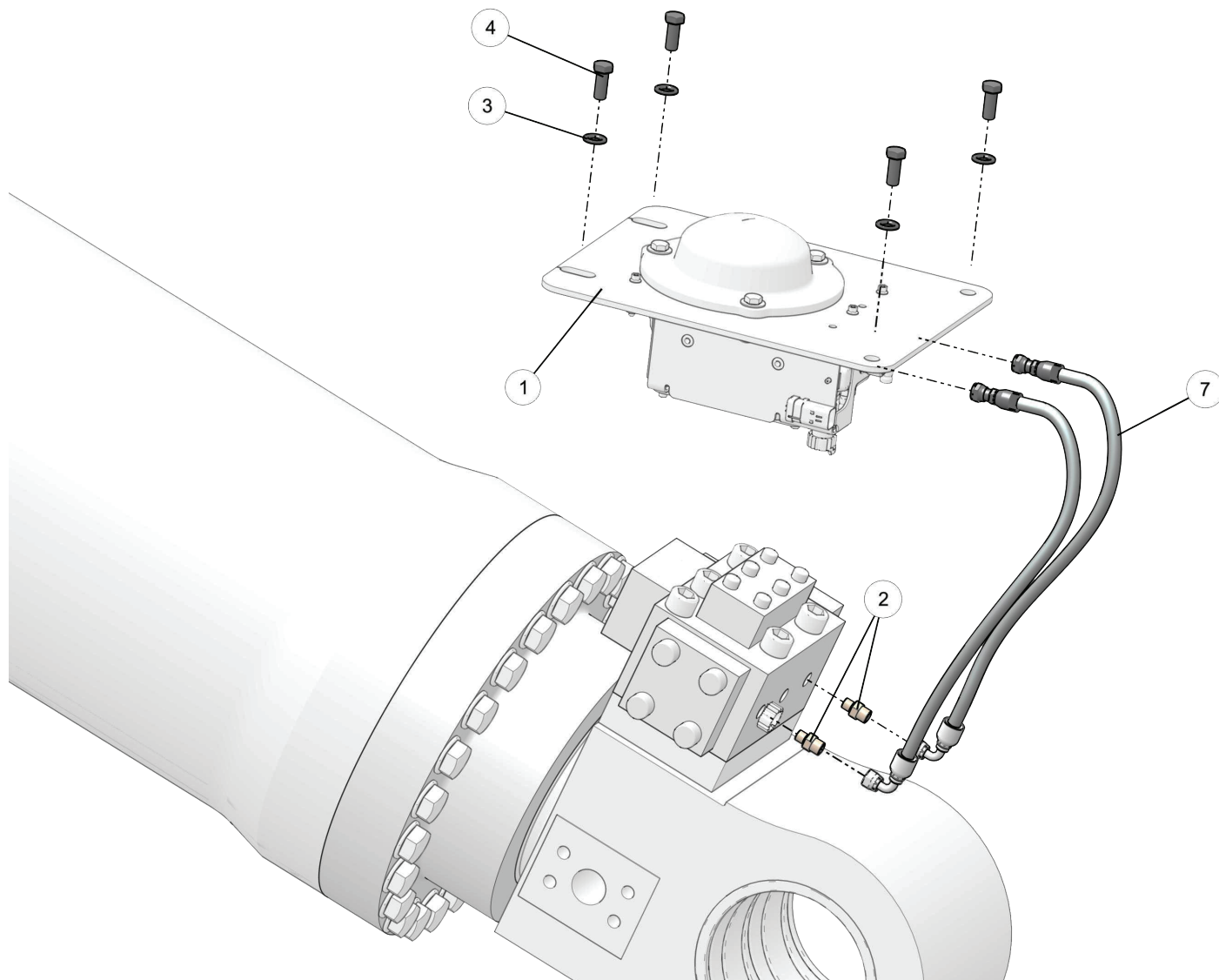
Item	Part Number	Description	Size	Torque	Loctite	Qty
1	60972	Cap Screw	M6 x 1 x 15	36 In. Lbs. (4.1Nm)	243	6
2	83012	InSite Control Box	-	-	-	1
3	83018	Isolator	-	36 In. Lbs. (4.1Nm)	243	2
4	83023	Nut	M6	36 In. Lbs. (4.1Nm)	243	2
5	227807	Bracket	-	-	-	1
6	227847	Cover	-	-	-	1
7	228700	Antenna Shroud	-	-	-	1
8	518457	Washer	M10	-	-	3
9	518473	Cap Screw	M10 x 1.5 x 30	16 Ft. Lbs. (22 Nm)	-	3
10	518479	Rivet Nut	M10	-	-	3

INSITE KITS

INSITE KIT

[See "Read this first" on page 3]

227842 REV. 2



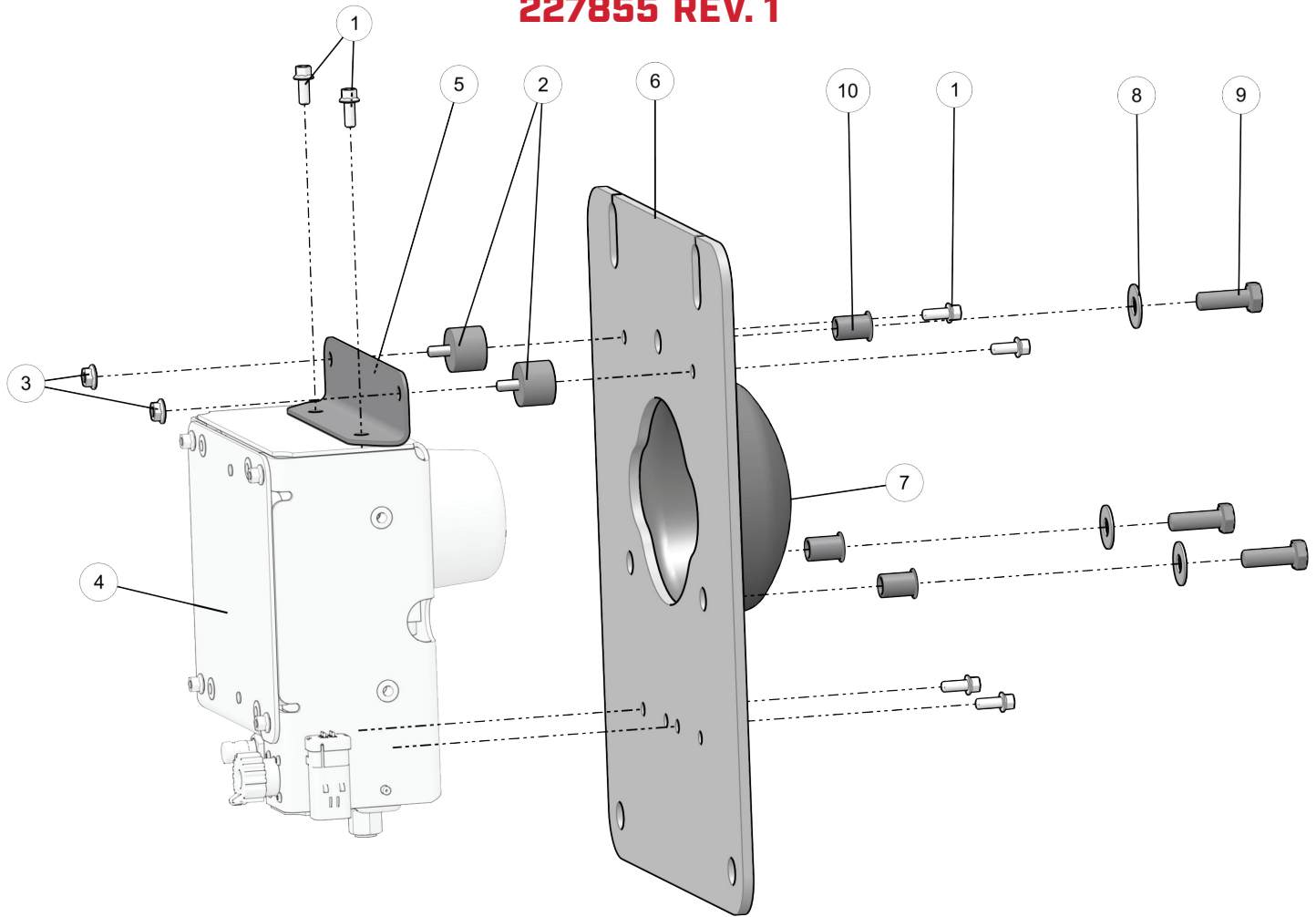
InSite Kit 227842 Parts List

Item	Part Number	Description	Size	Torque	Loctite	Qty
1	227855	InSite Control Box (See page 75)	-	-	-	1
2	500916	Adapter	-	16 Ft. Lbs. (22 Nm)	243	2
3	501446	Washer	M12	-	-	4
4	501581	Cap Screw	M12 x 1.75 x 30	70 Ft. Lbs. (95 Nm)	243	4
5	516554	10 Ft. Power Cable (Not Shown)	-	-	-	1
6	518440	Dust Cap (Not Shown)	-	-	-	1
7	518512	Hose Assembly	-	16 Ft. Lbs. (22 Nm)	243	2

INSITE CONTROL BOX

[See "Read this first" on page 3]

227855 REV. 1



InSite Control Box 227855 Parts List

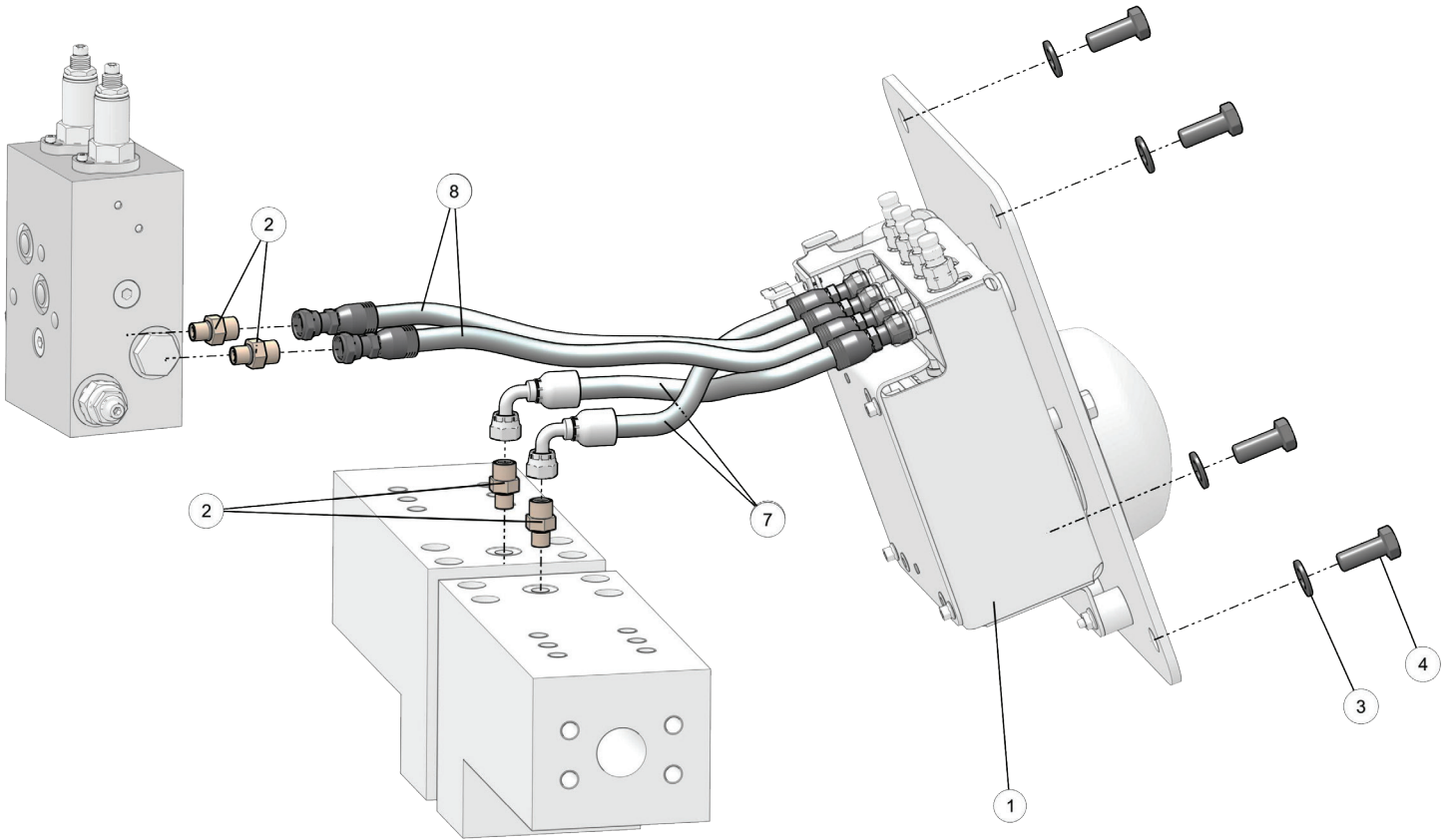
Item	Part Number	Description	Size	Torque	Loctite	Qty
1	60972	Cap Screw	M6 x 1 x 15	36 In. Lbs. (4.1Nm)	243	6
2	83018	Isolator	-	-	-	2
3	83023	Nut	M6	36 In. Lbs. (4.1Nm)	243	2
4	83038	InSite Control Box	-	-	-	1
5	227807	Bracket	-	-	-	1
6	227847	Cover	-	-	-	1
7	228700	Antenna Shroud	-	-	-	1
8	518457	Washer	M10	-	-	3
9	518473	Cap Screw	M10 x 1.5 x 30	16 Ft. Lbs. (22 Nm)	-	3
10	518479	Rivet Nut	-	-	-	3

INSITE KITS

INSITE KIT

[See "Read this first" on page 3]

227858 REV. 0



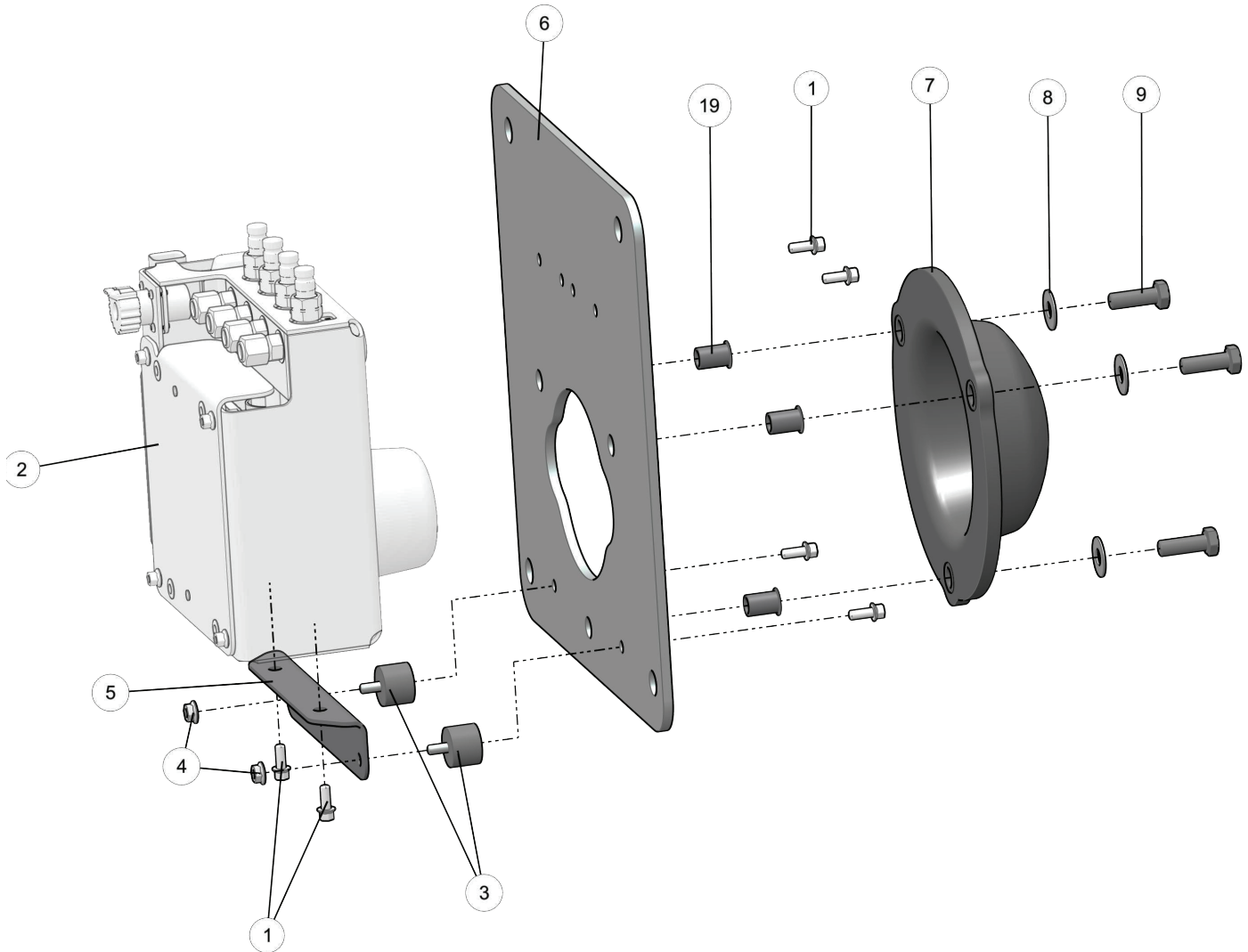
InSite Kit 227858 Parts List

Item	Part Number	Description	Size	Torque	Loctite	Qty
1	227866	InSite Control Box (See page 77)	-	-	-	1
2	500916	Adapter	-	16 Ft. Lbs. (22 Nm)	243	4
3	501446	Washer	M12	-	-	4
4	501581	Cap Screw	M12 x 1.75 x 30	70 Ft. Lbs. (95 Nm)	243	4
5	516554	10 Ft. Power Cable (Not Shown)	-	-	-	1
6	518440	Dust Cap (Not Shown)	-	-	-	1
7	518451	Hose Assembly	-	16 Ft. Lbs. (22 Nm)	243	2
8	518516	Hose Assembly	-	16 Ft. Lbs. (22 Nm)	243	2

INSITE CONTROL BOX

[See "Read this first" on page 3]

227866 REV. 0



InSite Control Box 227866 Parts List

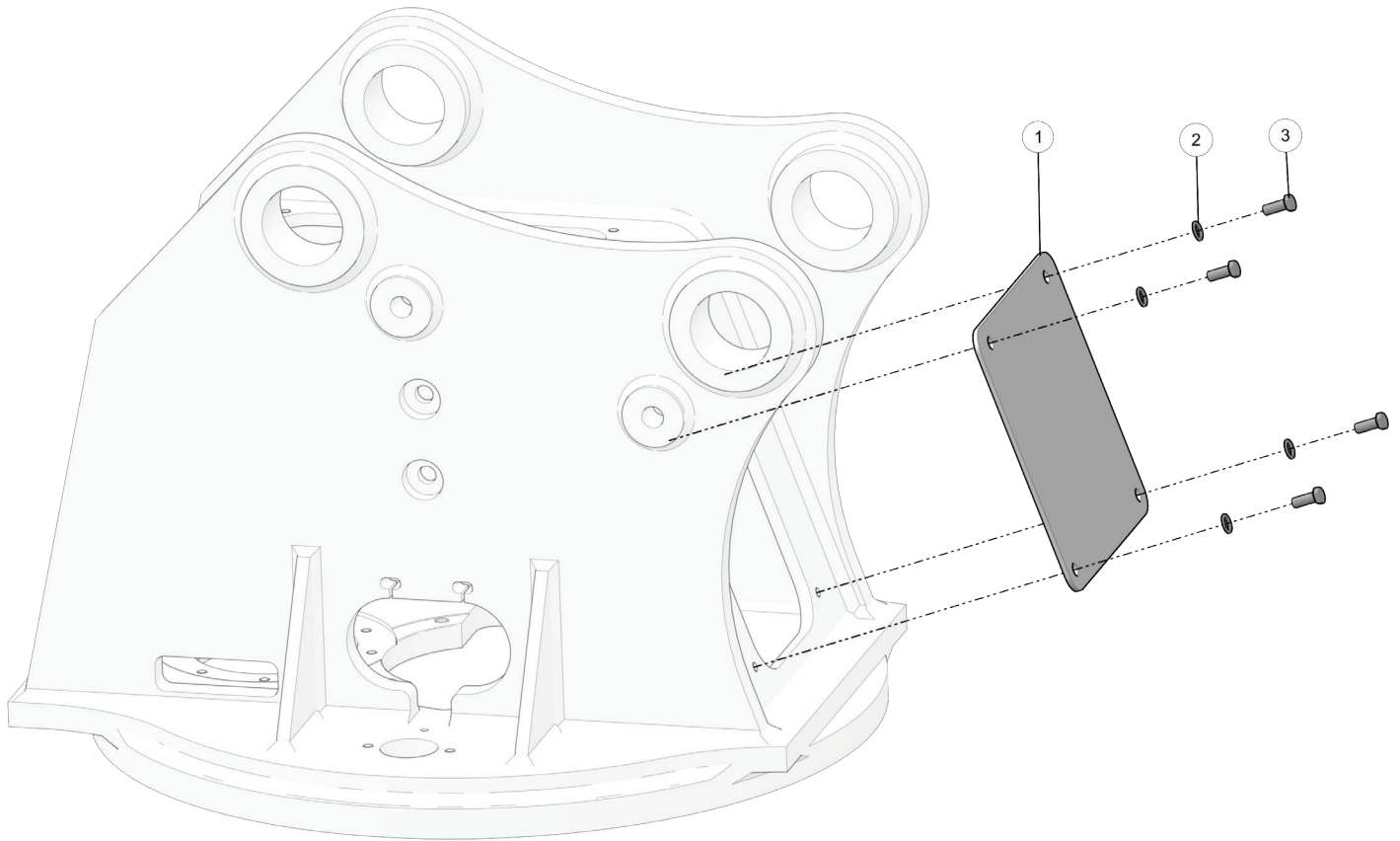
Item	Part Number	Description	Size	Torque	Loctite	Qty
1	60972	Cap Screw	M6 x 1 x 15	36 In. Lbs. (4.1 Nm)	243	6
2	83012	InSite Control Box	-	-	-	1
3	83018	Isolator	-	-	-	2
4	83023	Nut	-	36 In. Lbs. (4.1 Nm)	243	2
5	227807	Bracket	-	-	-	1
6	227864	Cover	-	-	-	1
7	228700	Antenna Shroud	-	-	-	1
8	518457	Washer	M10	-	-	3
9	518473	Cap Screw	M10 x 1.5 x 30	16 Ft. Lbs. (22 Nm)	243	3
19	518479	Rivet Nut	-	-	-	3

INSITE KITS

3RD MEMBER - NO INSITE KIT

[See "Read this first" on page 3]

229912 REV. 1



* See factory for bracket information

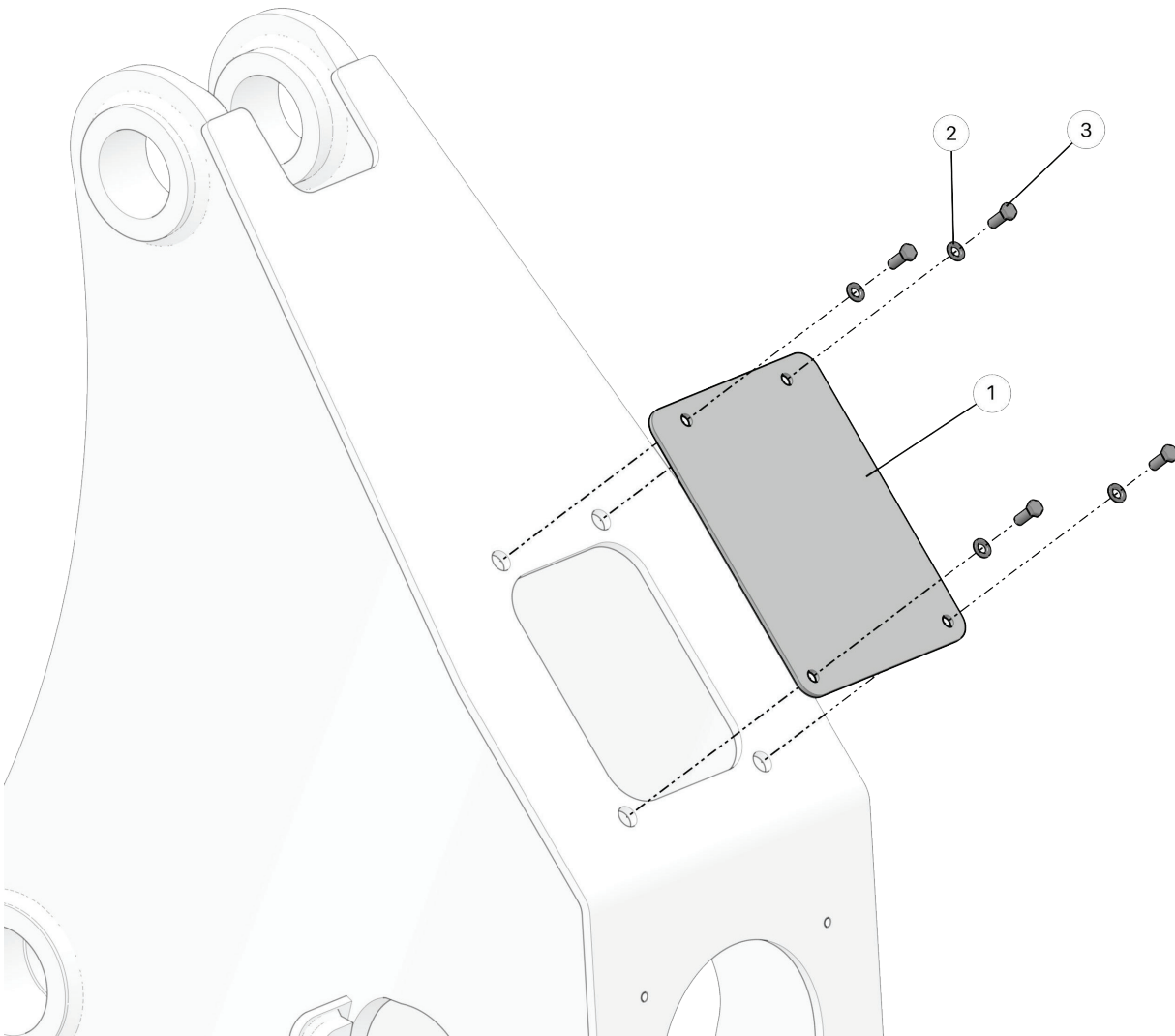
3rd Member - No InSite Kit 229912 Parts List

Item	Part Number	Description	Size	Torque	Loctite	Qty
1	229913	Cover	-	-	-	1
2	501446	Washer	M12	-	-	4
3	501581	Cap Screw	M12 x 1.75 x 30	71 Ft. Lbs. (96 Nm)	243	4

2ND MEMBER - NO INSITE KIT

[See "Read this first" on page 3]

227856 REV. 0



* See factory for bracket information

2nd Member - No InSite Kit 227856 Parts List

Item	Part Number	Description	Size	Torque	Loctite	Qty
1	227857	Cover	-	-	-	1
2	501446	Washer	M12	-	-	4
3	501581	Cap Screw	M12 x 1.75 x 30	70 Ft. Lbs. (95 Nm)	243	4

INSITE KITS

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Additional copies of this manual are available by contacting your dealer or the LaBounty parts department,. You must include the attachment model number and serial number.