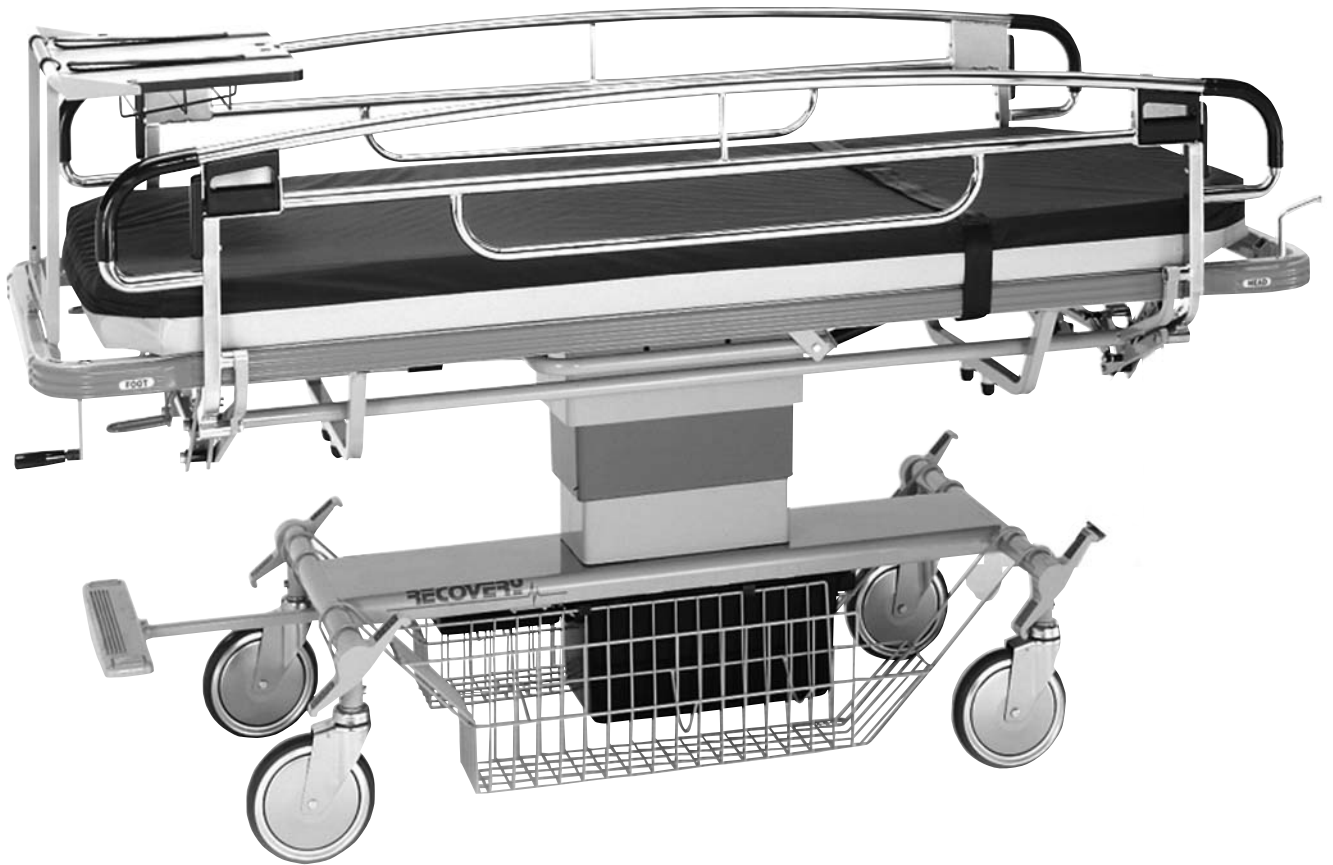




**511 / 516 / 540
545 / 550 / 555**

ED/Trauma Stretcher

Service and Parts Manual



**FOR USE BY
PEDIGO AUTHORIZED
TECHNICIANS ONLY**

Part No. 503-0268-00 Rev. L (12/04)

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IMPORTANT INSTRUCTIONS

General Safety Instructions

Safety First: The primary concern of Pedigo is this stretcher is maintained with the safety of the patient and staff in mind. To assure that services and repairs are completed safely and correctly, proceed as follows:

- (1) Read this entire manual before performing any services or repairs on this stretcher.
- (2) Be sure you understand the instructions contained in this manual before attempting to service or repair this stretcher.

Safety Alert Symbols

Throughout this manual are safety alert symbols that call attention to particular procedures. These items are used as follows:



DANGER

A DANGER is used for an imminently hazardous operating procedure, practice, or condition which, if not correctly followed, will result in loss of life or serious personal injury.



WARNING

A WARNING is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in loss of life or serious personal injury.



CAUTION

A CAUTION is used for a potentially hazardous operating procedure, practice, or condition which, if not correctly followed, could result in minor or moderate injury. It may also be used to alert against unsafe practices.



EQUIPMENT ALERT

An EQUIPMENT ALERT is used for an imminently or potentially hazardous operating procedure, practice, or condition which, if not correctly followed, will or could result in serious, moderate, or minor damage to unit.

NOTE

A NOTE is used to amplify an operating procedure, practice or condition.

Warranty Instructions

Refer to the Pedigo "Limited Warranty" printed on the back cover of the Installation and Operation Manual for warranty information. Failure to follow the guidelines listed below will void the warranty and / or render the 511, 516, 540, 545, 550, or 555 stretcher unsafe for operation.

- In the event of a malfunction, do not attempt to operate the stretcher until necessary repairs have been made.
- Do not attempt to disassemble stretcher, replace malfunctioning or damaged components, or perform adjustments unless you are one of Pedigo's authorized service technicians.
- Do not substitute parts of another manufacturer when replacing inoperative or damaged components. Use only Pedigo replacement parts.

**SECTION I
GENERAL INFORMATION**

1.1 Scope of Manual

This manual contains detailed troubleshooting, scheduled maintenance, maintenance, and service instructions for the 511, 516, 540, 545, 550, and 555 Stretchers. This manual is intended to be used by Pedigo's authorized service technicians.

1.2 How to Use Manual

A. Manual Use When Performing Scheduled Maintenance.

- (1) Perform inspections and services listed in Scheduled Maintenance Chart (Refer to para 3.1).
- (2) If a component is discovered to be faulty or out of adjustment, replace or adjust component in accordance with maintenance/service instructions (Refer to para 4.1).

B. Manual Use When Stretcher Is Malfunctioning And Cause Is Unknown.

- (1) Perform an operational test on stretcher (Refer to para 2.1).
- (2) Perform troubleshooting procedures listed in Troubleshooting Guide (Refer to para 2.2).
- (3) If a component is discovered to be faulty or out of adjustment, replace or adjust component in accordance with maintenance/service instructions (Refer to para 4.1).

C. Manual Use When Damaged Component Is Known.

- (1) Replace or adjust component in accordance with maintenance/service instructions (Refer to para 4.1).

1.3 Description of 511, 516, 540, 545, 550, and 555 Stretchers.

A. General Description (See Figure 1-1).

The 511 stretcher has a pin height adjustable (non-hydraulic) chassis with a narrow litter top. The 516 stretcher has a pin height adjustable (non-hydraulic)

chassis with a wide litter top. The 511 and 516 stretchers' height is adjusted by physically raising or lowering the litter top and pinning it at that height. The 540 stretcher has a hydraulically adjustable chassis with a narrow litter top. The 545 stretcher has a hydraulically adjustable chassis with a wide litter top. The 550 stretcher has a hydraulically adjustable chassis with a narrow litter top. The 555 stretcher has a hydraulically adjustable chassis with a wide litter top. The 511 and 516 stretchers have only the True Direction steering option available while the 540, 545, 550, and 555 stretchers have both a Rite Trac steering option and a True Direction steering option available. The 550 and 555 stretchers use a side release style siderail while the 511, 516, 540, and 545 stretchers use a center release style siderail.

The major non-hydraulic serviceable components of the 511, 516, 540, 545, 550, and 555 stretchers consist of a side rail latch mechanism, caster brakes, casters, Fowler cylinder (gas spring), and Trendelenburg cylinder (gas spring). The major hydraulic serviceable components of the 540, 545, 550, and 555 stretchers (511 and 516 are non-hydraulic) consist of a foot pedal, pump assembly(ies), elevation cylinder, and restrictor seat & ball.

**B. Theory of Operation (See Figure 5-1)
(Applies to 540 / 545 / 550 / 555 only).**

The following paragraphs describe the oil flow thru the pump during the three possible pump pedal actions: pump pedal is going upward, pump pedal is going downward, and when pump pedal is held all the way down.

When pump pedal is going upward (preparing for the next pump stroke):

The pump pedal is released at the bottom of its stroke by the operator, and it is automatically returned to the up position by a spring. When this happens, the pump piston in the pump is pulled outward, creating a cavity in the pump and thereby creating suction. The force of the suction pulls the reservoir check valve open, allowing oil to be suctioned in the piston cavity created by the retreating pump piston. When the pump pedal is all the way up, the piston cavity is full of oil. The oil comes from the top port of the elevation cylinder which is the reservoir of the elevation cylinder. The pump check valve and the manual release valve are held closed by springs at this time, not allowing oil to enter the piston cavity

SECTION I GENERAL INFORMATION

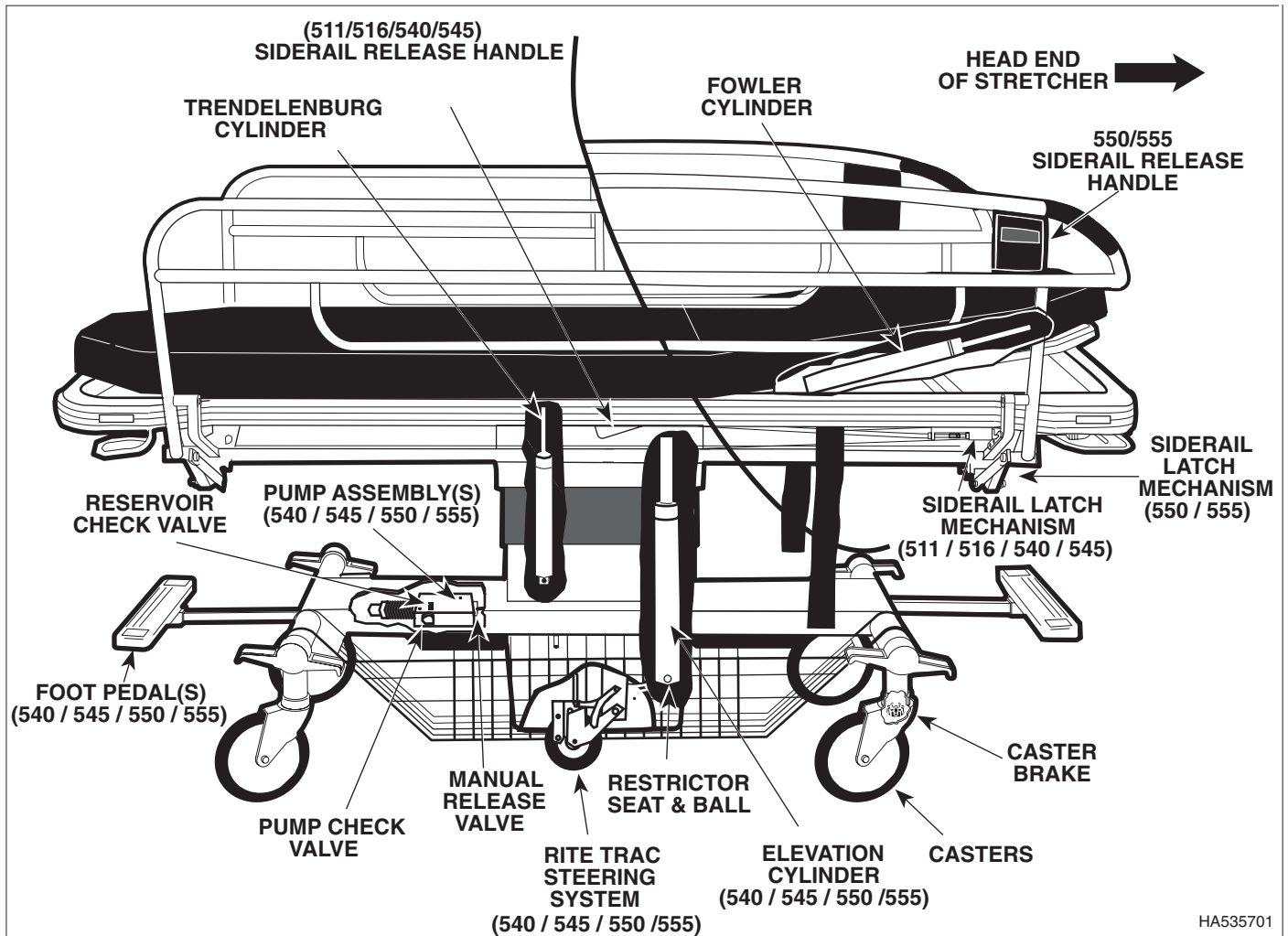


Figure 1-1. Major Components

through the discharge port. If the valves did not stay closed at this time, the elevation rod would drift downward.

When the pump pedal is going downward (raising the litter top):

The pump pedal is depressed by the operator, until it reaches the bottom of its stroke, and is then released. When the pump pedal is being depressed, the pump piston forces oil out of the piston cavity. The force of the oil opens the pump check valve, allowing oil to be pushed into the elevation cylinder, causing the elevation rod to extend, which raises the litter top. The reservoir check valve is forced closed by the force of the oil, which keeps oil from escaping back into the reservoir. The manual release valve is held closed by the force of a spring and also keeps oil from escaping back into the

reservoir. If the reservoir check valve and the manual release valve did not stay closed, the oil would escape back into the reservoir, and the litter top would not raise or would raise slowly.

When the pump pedal is held all the way down (lowering the litter top):

The pump pedal is depressed and held all of the way down at the bottom of its travel. When this happens, the manual release valve is pulled open. This opens a path for oil to flow from the bottom of the elevation rod thru the restrictor seat & ball to the reservoir, which causes the elevation rod (litter top) to descend. The restrictor seat & ball meters the flow of oil, causing the elevation rod (litter top) to descend at a fixed descent rate. The weight of the litter top provides the force to push the oil out of the elevation cylinder.

SECTION I GENERAL INFORMATION

1.4 SPECIFICATIONS

Factual data for the stretchers is provided in Table 1-1.
Table 1-1. Specifications

Description	Data
Maximum Patient Load:	
Model 511:	350 lbs (158.7 kgs)
Model 516:	350 lbs (158.7 kgs)
Models 540/545/550/555 (SN Prefix TEW, TEX, TEG, TEH)	350 lbs (158.7 kgs)
(SN Prefix SMI, OMI, PK) . . .	500 lbs (226.8 kgs)
Casters:	8 in. Diameter (20.3 cm) Central locking of the brakes and steering may be accomplished from all four corners of the stretcher.
Fowler:0° to 90°, pneumatic assisted
Trendelenburg:	12°, pneumatic assisted
Reverse Trendelenburg:	-7°, pneumatic assisted
Dimensions (Model 511):	
Length	83 in (210.8 cm)
Width	29.5 in (74.9 cm)
Height (Manually adjustable in one inch increments)	28 to 32 in (71.1 to 81.3 cm)
Mattress	77 in x 27.0 in (195.6 cm x 68.5 cm)
Dimensions (Model 516):	
Length	83 in (210.8 cm)
Width	33.5 in (85.0 cm)
Height (Manually adjustable in one inch increments)	28 to 32 in (71.1 to 81.3 cm)
Mattress	77 in x 31.0 in (195.6 cm x 78.7 cm)
Dimensions (Model 540):	
Length	83 in (210.8 cm)
Width	29.5 in (74.9 cm)
Height (Adjustable)	24 in to 33.0 in (60.9 cm to 83.8 cm)
Mattress	77 in x 27.0 in (195.6 cm x 68.5 cm)
Dimensions (Model 545):	
Length	83 in (210.8 cm)
Width	33.5 in (85.0 cm)

Height (Adjustable)	24 in to 33.0 in (60.9 cm to 83.8 cm)
Mattress	77 in x 31.0 in (195.6 cm x 78.7 cm)

Dimensions (Model 550):

Length	83 in (210.8 cm)
Width	29.5 in (74.9 cm)
Height (Adjustable)	24 in to 33.0 in (60.9 cm to 83.8 cm)
Mattress	77 in x 27.0 in (195.6 cm x 68.5 cm)

Dimensions (Model 555):

Length	83 in (210.8 cm)
Width	33.5 in (85.0 cm)
Height (Adjustable)	24 in to 33.0 in (60.9 cm to 83.8 cm)
Mattress	77 in x 31.0 in (195.6 cm x 78.7 cm)

Oil used in pump system (540, 545, 550, and 555 Models): Clear = mineral oil
Red = Dexron III Transmission Fluid
Light Amber = Power Steering
Note: SN Prefix SMI, OMI, PK use Mobil DTE 24 DO Grade 32 (Use the same type of oil presently used in the stretcher pump - Do not mix oils.)

Shipping Carton (all models Models):

	88 in x 33 in x 38 in (223.5 cm x 83.8 cm x 96.5 cm)
--	--

Weight (511 Model):

Normal	236 lb (107.0 kg)
With Shipping Carton	340 lb (154.2 kg)

Weight (516 Model):

Normal	256 lb (116.1 kg)
With Shipping Carton	360 lb (163.3 kg)

Weight (540 and 550 Model):

Normal (depends on options)	300 lb (136.0 kg)
With Shipping Carton	404 lb (183.2 kg)

Weight (545 and 555 Model):

Normal (depends on options)	304 lb (137.9 kg)
With Shipping Carton	408 lb (185.0 kg)

SECTION I GENERAL INFORMATION

1.5 Parts Replacement Ordering

If a part replacement is required, order the part directly from the factory as follows:

- (1) Refer to Figure 1-2 to determine the location of the model number and serial number of the stretcher and record this data.
- (2) Refer to the Parts List to determine the item numbers of the parts, part numbers of the parts, descriptions of the parts, and quantities of parts needed and record this data (Refer to para 6.1).

NOTE

Ask the Purchasing Department of the company that owns the unit for this information. Otherwise, this information may be obtained from the dealer that sold the unit.

- (3) Determine the installation date of the unit and record this data.
- (4) Call Pedigo with the recorded information and ask for the Stretcher Service Department.

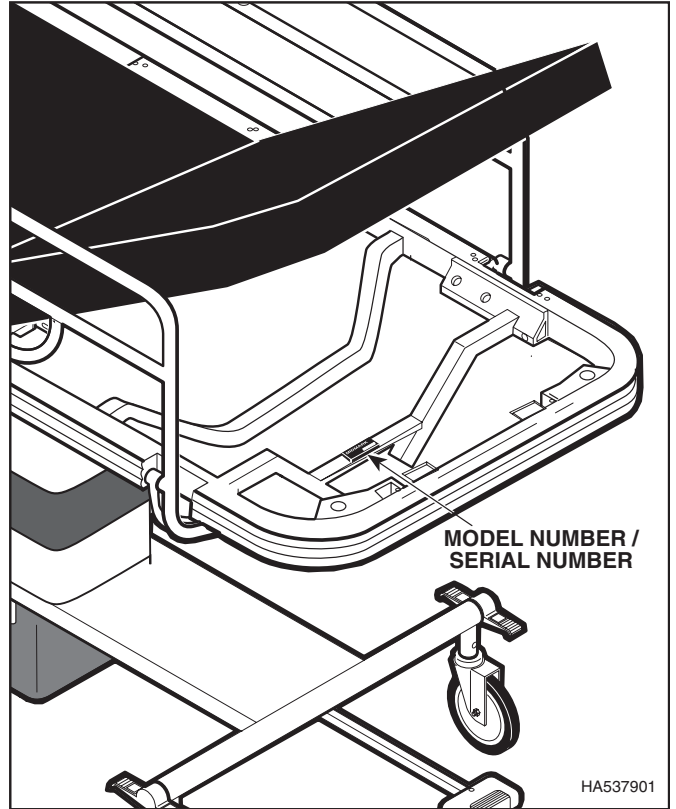


Figure 1-2. Model Number / Serial Number Location

1.6 Special Tools

Table 1-2 lists all the special tools needed to repair and /or service the stretcher, describes how to obtain the special tools, and describes the purpose of each special tool.

Table 1-2. Special Tools List

Description of Special Tool	Manufacturer's Name / Address / Phone	Manufacturer's Part Number	Purpose of Special Tool
3/8-16 x 2.5" bolt and nut (This bolt and nut are supplied with a new pump assembly replacement kit.)	Commercially Available	Any Type	Used to restrain spring so the pump assembly can be removed.
18 in. (46 cm) long wire (thin and flexible)	Commercially Available	Any Type	Used to pull cable assembly for siderail latch thru siderail.
Squeezeable plastic bottle with flexible hose attached to bottle cap.	Commercially Available	Any Type	Used to fill the hydraulic system with fluid. Is very messy and difficult without.
7/16" Allen Wrench	Commercially Available	Any Type	Used to put the caster assembly in brake mode before it is installed on the stretcher and to assist in aligning the caster assembly on the stretcher.

SECTION II TESTING AND TROUBLESHOOTING

2.1 Operational Test

In order to effectively diagnose the malfunction of the unit, it may be necessary to perform an operational test as follows:



EQUIPMENT ALERT

Refer to the Operator Manual for complete instructions on operating the unit. Failure to do so could result in damage to the unit.

- (1) Squeeze the Fowler handle and move the Fowler section up and down; then release the Fowler handle when the Fowler section is in the

halfway up position and exert pressure on the Fowler section (Refer to Figure 2-1).

- (2) Observe. The Fowler section should move up and down easily when the Fowler handle is squeezed. The movement of the Fowler section should not feel spongy. The Fowler section should not drift downward by itself when pressure is exerted on the Fowler section.
- (3) Squeeze the Trendelenburg handle and move the litter top up and down; then release the Trendelenburg handle when the litter top is in the halfway up Trendelenburg position and exert pressure on the litter top.

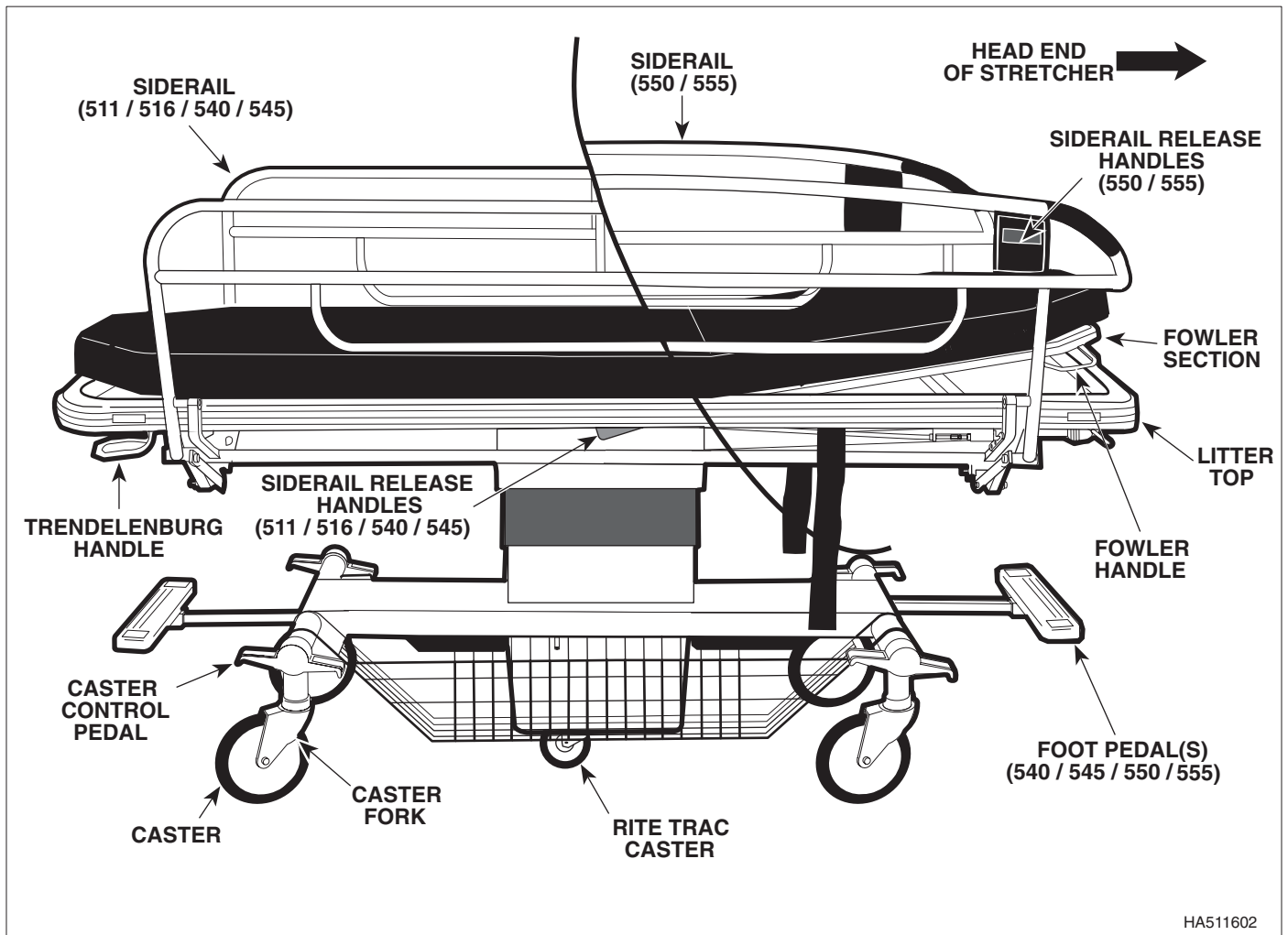


Figure 2-1. Operational Test

SECTION I

TESTING AND TROUBLESHOOTING

- (4) Observe. The litter top should move up and down easily when the Trendelenburg handle is squeezed. The movement of the litter top should not feel spongy. The litter top should not drift down by itself when pressure is exerted on the litter top.

NOTE

Steps 5 thru 8 apply only to the 550 and 555 stretchers.

- (5) Raise foot end of litter top above the level position. Then squeeze the Trendelenburg handle and lower the foot end of the litter top as far as it will go.
- (6) Observe. The litter top should be stopped in the level position by the level lock assembly.
- (7) Push down (do not squeeze) on Trendelenburg handle and attempt to lower the foot end of litter top.
- (8) Observe. The level lock assembly should release and allow the foot end of the litter top to lower all the way.

NOTE

On 511, 516, 540, and 545 stretchers, the siderail release handle is located at the center of the litter top. On 550 and 555 stretchers, the siderail release handle is located at both ends of the siderail. See Figure 2-1.

- (9) Actuate the siderail release handles. Lower and raise the siderails.
- (10) Observe. The siderails should release and latch properly. The siderails should be able to be moved up and down without using excessive force.
- (11) Depress the caster control pedal down into the "brake" position. Attempt to move stretcher. Return the caster control pedal to the "neutral" position. Attempt to move stretcher. Repeat this step for caster control pedals on the other three corners of stretcher.
- (12) Observe. The stretcher casters should not roll and the caster forks should not rotate when the caster control pedal is in the "brake" position. It

should not take excessive force to depress the caster control pedal into the "brake" position. All four casters should roll and the caster forks should rotate freely when the caster control pedal is in the "neutral" position. If the stretcher has a Rite Trac (fifth wheel) system, its caster should be off of the floor when caster control pedal is in the neutral or brake position.

- (13) Depress the caster control pedal down into the "steer" position. Push the stretcher around for a short distance.

NOTE

The steer caster, on a stretcher *without* a Rite Trac (fifth wheel), is usually located on the corner of the stretcher which is under the patient's right foot.

- (14) Observe. On a stretcher *without* a Rite Trac (fifth wheel), three casters should rotate normally, but the steer caster should remain straight - parallel to chassis (the caster fork should not rotate, thereby providing a pivot point from which to turn the stretcher). It should not take excessive force to depress the caster control pedal into the "steer" position. On a stretcher *with* a Rite Trac (fifth wheel), the "fifth wheel" should touch the floor providing a pivot point from which to turn the stretcher.

NOTE

The following step applies only to the 540, 545, 550, and 555 stretchers.

- (15) Pump the foot pedal until the litter top reaches its maximum height. Sit on the litter top for a minute. Get off of the litter top and depress the foot pedal as low as it will go.
- (16) Observe. The movement of the foot pedal should not feel spongy or take excessive pumping to raise the litter top. The litter top should stay raised and not drift downward by itself. The litter top should descend slowly and evenly (not in jerky movements) when the foot pedal is depressed.

2.2 Troubleshooting Procedures

Table 2-1 is a Troubleshooting Guide which is used to determine the cause of the malfunction.

SECTION II TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide - Continued

Problem	Symptom	Probable Cause	Check	Correction	
Fowler function not working correctly.	Fowler section (backrest) will not go up or down when the Fowler handle is squeezed.	Fowler gas spring out of adjustment (not turned in far enough).	Adjustment of Fowler gas spring.	Adjust Fowler gas spring. Refer to para 4.12.	
	Fowler drifts up or down without the Fowler handles being squeezed.	Gas spring out of adjustment (turned in too far).	Adjustment of gas spring.	Adjust Fowler gas spring. Refer to para 4.12.	
	Fowler feels spongy or won't go all of the way down.	Internal leak in the Fowler gas spring.	—	Replace Fowler gas spring. Refer to para 4.11.	
Trendelenburg function not working correctly.	Foot end of litter top drifts without squeezing the Trendelenburg handles.	Trendelenburg gas spring out of adjustment (turned in too far).	Adjustment of gas spring.	Adjust Trendelenburg gas spring. Refer to para 4.14 or 4.15.	
	Foot end of litter top will not move when Trendelenburg handles are squeezed.	Trendelenburg gas spring out of adjustment (not turned in far enough).	Adjustment of gas spring.	Adjust Trendelenburg gas spring. Refer to para 4.14 or 4.15.	
	Trendelenburg function feels spongy or won't go all of the way down.	Internal leak in the Trendelenburg gas spring.	—	Replace Trendelenburg gas spring. Refer to para 4.12 or 4.13.	
	Litter top will not lock in level position properly when Trendelenburg function is being used (applies to 550 and 555 stretchers only).	Trendelenburg function is not being used properly (to use Trendelenburg level lock function, foot end of stretcher must be raised above the level position. Then, when Trendelenburg handle is squeezed and foot end of litter top is lowered, litter top should be stopped in level position by the Trendelenburg level lock assembly).		Check if operator has been operating function correctly or not.	Instruct operator on correct use of function.
		Trendelenburg level lock assembly needs adjusted.		Adjustment of Trendelenburg level lock assembly.	Adjust Trendelenburg level lock assembly. Refer to para 4.25.
		Trendelenburg level lock assembly does not release properly (when Trendelenburg handle is pushed downward, the level lock assembly should release from the strike plate, allowing foot end of litter top to be lowered past level lock assembly) (applies to 550 and 555 stretchers only).	Trendelenburg level lock assembly needs adjusted.		Adjustment of Trendelenburg level lock assembly.

SECTION II

TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide - Continued

Problem	Symptom	Probable Cause	Check	Correction
Siderail difficult to latch or release (applies to 511, 516, 540, or 545 stretchers only).	Siderail won't release when the siderail release latch is squeezed.	Latch block out of adjustment.	Ball joint on siderail release latch for tightness and adjustment of latch bolt.	Tighten ball joint or adjust siderail latch. Refer to para 4.21.
	Siderail release latch won't engage when you raise the siderail.	Latch block out of adjustment.	Ball joint on siderail release latch for tightness and adjustment of latch bolt.	Tighten ball joint or adjust siderail latch. Refer to para 4.21.
	Siderail feels heavy to raise.	Lack of lubrication at pivot points.	—	Lubricate all pivot points with silicone based lubricant or white lithium grease.
Siderail difficult to latch or release (applies to 550 and 555 stretchers only).	Siderail won't release when the siderail release handle is pulled out.	Siderail latch assembly out of adjustment.	Adjustment of siderail latch assembly.	Adjust siderail latch assembly. Refer to para 4.23.
	Siderail release latch won't engage when you raise the siderail.	Siderail latch assembly out of adjustment.	Adjustment of siderail latch assembly.	Adjust siderail latch assembly. Refer to para 4.23.
		Weak spring or release latch components are binding.	Check spring. Check for lack of lubrication.	Lubricate release latch components. If necessary, replace spring.
	Siderail feels heavy to raise.	Lack of lubrication at pivot points.	—	Lubricate all pivot points with silicone based lubricant or white lithium grease.
Brake caster or steer caster does not brake correctly when caster control pedal is moved to "brake" position.	When the caster control pedal is in the "brake" position, the stretcher will still roll.	Brakes are out of adjustment.	Adjustment of brake.	Adjust caster brakes. Refer to para 4.17.
	With caster control pedal in the brake position, the caster fork still rotates, making a ratcheting noise.	Brake or steer caster out of adjustment.	Check if locking ring is rubbing brake mode fork latch instead of mating with it as it should.	Adjust the fork controls of caster. Refer to para 4.18.
		Brake caster or steer caster is worn.	—	If adjusting the caster does not correct the problem, replace the caster. Refer to para 4.16.
Brake pedal is difficult to engage.	Excessive force is required to lock casters in the "brake" position.	Lack of lubrication in the caster stems.	Lubrication in the stem by removing the caster forks.	Apply heavy axle grease inside the cam area with a syringe or similar device.
		Brakes are too tight.	Adjustment of brake.	Adjust caster brakes. Refer to para 4.17.

SECTION II TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide - Continued

Problem	Symptom	Probable Cause	Check	Correction
Stretcher does not steer correctly (stretcher without Rite Trac steering - "fifth wheel").	Stretcher pulls to one side.	Caster control pedal is not engaged in the "steer" mode.	—	Depress the caster control pedal down into the "steer" position.
	Stretcher pulls back and forth from one side to the other.	Caster control pedal is in the "steer" position, but the steer caster is not in the trail position.	Check which direction steer caster is pointing.	Depress the caster control pedal into the neutral position, push the stretcher a few feet in the desired direction, and then press the caster control pedal into the "steer" position. This will ensure that the steer caster is in the trail position.
	With caster control pedal in the "steer" position, the steer caster fork (usually under patients right foot) still moves, making a ratcheting noise.	Steer caster is out of adjustment.	Check if steer mode fork latches are rubbing upper plate instead of mating with it as it should.	Adjust the fork controls of the caster. Refer to para 4.18.
	With caster control pedal in the "steer" position, the caster under the patient's right foot (the steer caster) does not lock parallel to the side of the stretcher.	Broken stem on caster.	Remove caster fork and inspect stem for broken parts.	Replace caster. Refer to para 4.16.
Stretcher does not steer correctly (stretcher with Rite Trac steering - "fifth wheel").	When fifth wheel caster is pushed over door threshold or other obstacle, the caster control pedal is thrown into the neutral position.	The bottom linkage of the fifth wheel is incorrectly assembled, which does not allow fifth wheel to flex when going over obstacles.	Check for correct assembly of linkage.	Disassemble and then reassemble linkage correctly.
		The linkage return spring is too strong.	—	Replace with weaker spring.
Difficult to pump up litter top and / or litter top drifts downward on its own (applies only to 540, 545, 550, and 555 models).	One or both foot pedals (if two pump system) feel spongy and excessive strokes are required to raise the litter top. Litter top will not pump up or pumps up slowly (excessive pump strokes are required).	Air in the hydraulic system or oil level low	Check oil level.	Add oil if necessary. Refer to para 4.5. Purge air from hydraulic system. Refer to para 4.6.
		Pump check valve malfunctioning - stuck open.	Check pump check valve for blockage.	Replace pump assembly. Refer to para 4.8.
		Piston rings are worn or damaged.	Check piston rings for wear or damage.	Replace pump assembly. Refer to para 4.8.
		Reservoir check ball / spring is malfunctioning - stuck open.	Check reservoir check ball / spring for blockage.	Replace reservoir check ball / spring or pump assembly. Refer to para 4.9 or 4.8.

SECTION II TESTING AND TROUBLESHOOTING

Table 2-1. Troubleshooting Guide - Continued

Problem	Symptom	Probable Cause	Check	Correction
Difficult to pump up litter top and / or litter top drifts downward on its own (applies only to 540, 545, 550, and 555 stretchers) - Continued.	Litter top will not pump up or pumps up slowly (excessive pump strokes are required) - Continued.	Elevation cylinder is leaking internally.	Disconnect upper hose(s) (return line) from pump block when litter top is fully elevated. If oil does not leak / run out of end of pump block port, elevation cylinder is leaking internally. If oil does leak / run out of pump block port, the problem is in the pump assembly.	If the elevation cylinder is leaking internally replace elevation cylinder. Refer to para 4.9.
	After litter top is elevated, it drifts down by itself.	Release point of manual release valve is out of adjustment.	Check adjustment of manual release valve.	Adjust release point of manual release valve. Refer to para 4.4.
		Manual release valve is leaking internally.	Disconnect upper hose(s) (return line) from pump block when litter top is fully elevated. If oil does not leak / run out of end of pump block port, elevation cylinder is leaking internally. If oil does leak / run out of pump block port, the problem is a malfunctioning manual release valve.	Replace pump assembly. Refer to para 4.8.
		Oil leak from loose fitting or ruptured hose.	Check for oil leaks around hoses and fittings.	Tighten fittings or replace damaged hose.
		Elevation cylinder is leaking internally.	Disconnect upper hose(s) (return line) from pump block when litter top is fully elevated. If oil does not leak / run out of end of pump block port, elevation cylinder is leaking internally. If oil does leak / run out of pump block port, the problem is in the pump assembly.	If the elevation cylinder is leaking internally replace elevation cylinder. Refer to para 4.9.
		Pump check valve malfunctioning - stuck open.	Check pump check valve for blockage.	Replace pump assembly. Refer to para or 4.8.
	Litter top descends very quickly when released.	Restrictor ball and/or seat is missing from bottom fitting on elevation cylinder.	Remove lower fitting from elevation cylinder and check to see if the restrictor ball and/or seat is missing from the fitting.	Replace restrictor seat and ball. Refer to para 4.9.
		Oil leak from loose fitting or ruptured hose.	Check for oil leaks around hoses and fittings.	Tighten fittings or replace damaged hose.
	Foot pedal will not return all the way up after being depressed.	Piston return spring weak or pedal pivot points dry.	Lubricant.	Lubricate the pedal pivot points with silicone based lubricant. If no improvement, replace pump assembly. Refer to para 4.8.
	Manual release valve will not release to allow litter top to descend.	Manual release valve out of adjustment.	Check adjustment of manual release valve.	Adjust release point of manual release valve. Refer to para 4.4.
Litter top will not descend or descends too slowly.	Restrictor seat & ball is plugged.	Check for contamination in fitting which contains the restrictor seat & ball.	Clean out contamination. Refer to para 4.9.	
	Manual release valve is malfunctioning.	Check condition of manual release valve.	Replace pump assembly. Refer to para. 4.8.	

SECTION III SCHEDULED MAINTENANCE

SECTION III SCHEDULED MAINTENANCE

3.1 Scheduled Maintenance

Table 3-1 is a Scheduled Maintenance Chart which lists the inspections and services that should be performed

periodically on the stretcher. These inspections and services should be performed as often as indicated in the chart.

Table 3-1. Scheduled Maintenance Chart

Interval	Inspection or Service	What to Do
Daily	Upholstery	Condition of upholstery should be maintained with a clean, damp cloth or sponge. A mild soap and water solution should be used for hard-to-clean areas and stained areas. If disinfectant cleaners are used, do not exceed the manufacturers' recommended dilution rate or life expectancy of upholstery may be shortened.
	Obvious damage	Visually check condition of stretcher for obvious damage such as: Cracks in components, missing components, dents in components, torn upholstery, leaking fluids, or any other visible damage which would cause the stretcher to be unsafe for usage. Repair stretcher before using.
	Painted and plastic surfaces	All painted metal surfaces should be maintained by wiping clean with a soft, damp cloth.
	Unpainted or chrome surfaces	All unpainted metal surfaces should be maintained by wiping clean with a soft, damp cloth. Check all metal surfaces for dents or damage that could result in sharp edges. Replace damaged metal.
	Elevation column assembly bellows cover (early units only)	Check bellows cover for rips, tears, or other obvious damage. Repair or replace bellows cover if damaged. Ensure that velcro restraints or closures are intact.
	Restraint straps	Check restraint straps for fraying, rips, and proper operation. Replace restraint straps as necessary.
	Fasteners/Hardware	Check stretcher for missing or loose fasteners / hardware. Replace any missing hardware and tighten any loose hardware as necessary using removeable threadlocking adhesive if applicable.
Semi-Annually	Moving parts	All moving parts should be lubricated with white lithium grease or petroleum jelly, except linkages. All linkages should be lubricated with Teflon or Silicone based lubricant.
	Caster control pedal inserts	Check green and red pedal inserts of four pedals. If pedal inserts are missing, replace as necessary.
	Warning and instructional decals	Check for missing or illegible decals. Replace decals as necessary.
	Siderail operation	Check for proper siderail operation, making sure that siderails release easily and latch easily and securely. Adjust siderails if necessary. Adjust or repair latching mechanism if necessary. Refer to para 4.21 for 511, 516, 540, and 545 stretchers. Refer to para 4.22 or 4.23 for 550 and 555 stretchers.
	Siderail pivot points	Lubricate siderail pivot points with Teflon or Silicone based lubricant. Check that pivot points move freely during operation of siderails. Repair pivot points if necessary. If bolts / nuts are loose, remove bolts / nuts, apply removeable threadlock and re-install bolts / nuts.
	Siderail latch mechanism	Lubricate latch mechanism with white lithium grease or teflon grease. Check that latch mechanism releases easily and latches easily and securely. Adjust or repair latch mechanism if necessary. Refer to para 4.21 for 511, 516, 540, and 545 stretchers. Refer to para 4.22 or 4.23 for 550 and 555 stretchers.
	Caster stem screws	Check caster stem screws for tightness. Remove any loose screws, apply removeable threadlock, and re-install screws and lockwashers. Tighten screws to 25 to 30 ft-lbs (33.9 to 40.6 Newton-meters).

SECTION III SCHEDULED MAINTENANCE

Table 3-1. Scheduled Maintenance Chart - Continued

Interval	Inspection or Service	What to Do
Semi-Annually - (Continued)	Caster control pedal	Check caster control pedal for proper operation. Make sure all four pedals work in the brake, neutral, and steer positions. If not, adjust or replace casters. Refer to para 4.20, 4.21, or 4.19. Brake engaged (Red side of pedal down): Check that all four wheels of stretcher will not move when brake is engaged. Neutral engaged (Pedal in horizontal position): Check that all four wheels operate in free wheel when neutral is engaged. Steer engaged (Green side of pedal down): On stretchers without Rite Trac steering (fifth wheel), check that steer caster locks in forward and reverse positions when steer is engaged. Adjust or repair any of the four pedals as necessary. On stretchers with Rite Trac steering (fifth wheel), check that fifth wheel contacts floor surface positively, providing a good steer pivot point.
	Caster tire nuts/bolts	Check caster tire nuts / bolts for tightness. (If loose, replace bolts / nuts with new bolts / nuts using removeable threadlocking adhesive on bolt threads.)
	Pump assembly foot pedal(s)	Check pump assembly foot pedal(s) for firmness. Check that foot pedal releases the stretcher when the pedal is 3/4 in. (1.9 cm) to 1 in. (2.54 cm) from floor. Adjust release point of foot pedal if necessary. Refer to para 4.4.
	Hydraulic pump, hoses, and elevation cylinder	Check hydraulic pump, hoses, and elevation cylinder for leaks. Tighten hose connections and fittings as necessary. Replace hoses and fittings if necessary. Refer to para 4.7. Check oil level of the hydraulic system. Refill hydraulic system with the same type of oil presently used in the hydraulic system; [see page 1-3]. Refer to para 4.5. Check hydraulic system for proper operation. If stretcher does not operate correctly, have full travel, or release correctly, purge air from hydraulic system (refer to para 4.6), adjust release point of pump foot pedal (refer to para 4.4), replace pump assembly (refer to para 4.8), or replace elevation cylinder (refer to para 4.9).
	Elevation post pins (applies only to 511 and 516 stretchers)	Check elevation post nuts / bolts for looseness. If loose, tighten nuts / bolts to 35 to 40 ft-lbs (47.5 to 54.2 Newton-meters)
	Fowler gas spring and linkage	Lubricate linkage of Fowler gas spring with Teflon or Silicone based lubricant. Check Fowler gas spring and linkage for proper operation, alignment, and engagement. Make sure Fowler gas spring releases and holds. Adjust linkage if necessary. Refer to para 4.11. Replace Fowler gas spring if it does not operate correctly. Refer to para 4.10.
	Linkage for manual Fowler operation (optional equipment)	Lubricate Fowler linkage with Teflon or Silicone based lubricant. Check Fowler linkage for proper operation, alignment, and engagement. Repair Fowler linkage as necessary.
	Trendelenburg gas spring and linkage	Lubricate linkage of Trendelenburg gas spring with Teflon or Silicone based lubricant. Check Trendelenburg gas spring and linkage for proper operation, alignment, and engagement. Make sure Trendelenburg gas spring releases and holds properly. Adjust linkage if necessary. Refer to para 4.14 or 4.15. Replace Trendelenburg gas spring if it does not operate correctly. Refer to para 4.12 or 4.13.
Operational Test	Perform an Operational Test to determine if the stretcher is operating within its specifications (Refer to para 2.1). Replace any malfunctioning components.	

**SECTION IV
MAINTENANCE / SERVICE INSTRUCTIONS**

4.1 Introduction



WARNING

Refer to the Operator Manual for complete instructions on operating the stretcher. Failure to do so could result in personal injury.

NOTE

Perform an operational test on the stretcher after the repair is completed to confirm the repair was properly made and that *all* stretcher functions operate properly.

The following paragraphs contain removal, installation, and adjustment procedures for the stretcher.

**4.2 Lower Cover Removal / Installation
(540, 545, 550, and 555 only)**

A. Removal

NOTE

If there are wire baskets on the stretcher, they must be removed before the lower cover can be removed. To remove a wire basket, use foot to apply pressure to bottom of basket. When the top edge of the basket is clear of spacers or retainers (2), pull wire basket outside of the screws.

- (1) Remove four screws (1, Figure 4-1), spacers or retainers (2), and lower cover (3) from chassis (4).

B. Installation

- (1) Position lower cover (3) close to chassis (4) and feed ground chain (5) thru chain hole in lower cover.
- (2) Position lower cover (3) on chassis (4) and secure with spacers or retainers (2) and screws (1).

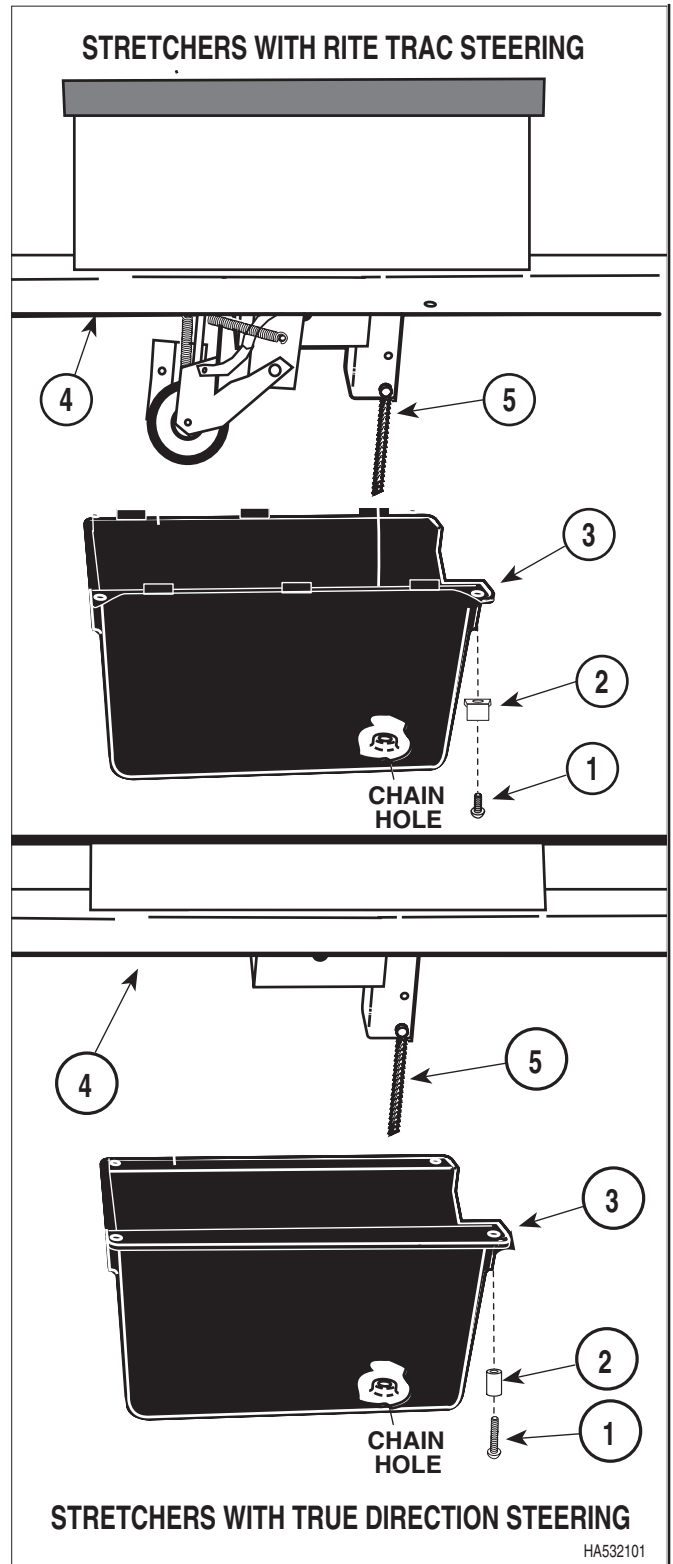


Figure 4-1. Lower Cover Removal / Installation

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SECTION IV MAINTENANCE/SERVICE

4.3 Bellows - Raise or Lower For Access (540, 545, 550, and 555 only)

NOTE

This paragraph applies only to units with old style accordion type bellows.

A. Raise Bellows For Access

- (1) Pull the bottom of the bellows (1, Figure 4-2) up from four velcro strips (2).
- (2) If necessary, tie bellows (1) up out of the way with a tie strap.

B. Return Bellows From Raised Position

- (1) If used, cut tie strap.

NOTE

Push all four sides of the bellows base firmly against the four velcro strips to ensure bellows will be held tightly in place.

- (2) Lower bellows (1) onto four velcro strips (2).

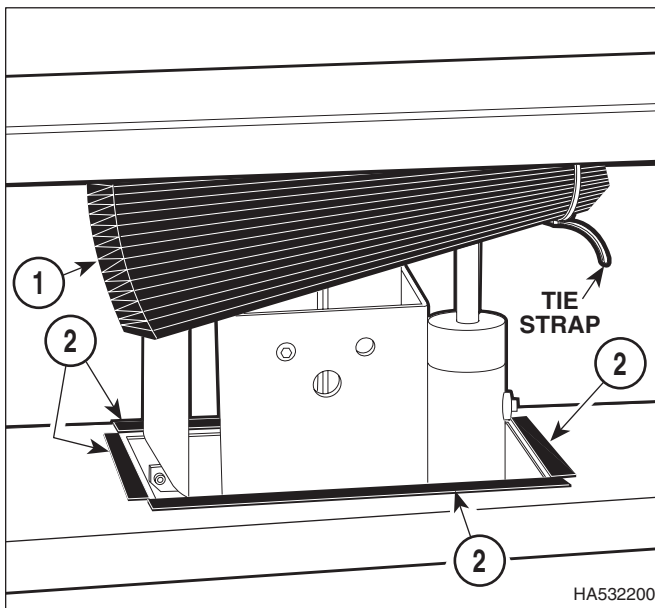


Figure 4-2. Raise Bellows For Access

C. Lower Bellows For Access

- (1) Remove four screws (1, Figure 4-3) and lower bellows (2) from litter top (3).

D. Return Bellows From Lowered Position

- (1) Position brackets of bellows (2) on litter top (3) and secure with four screws (1).

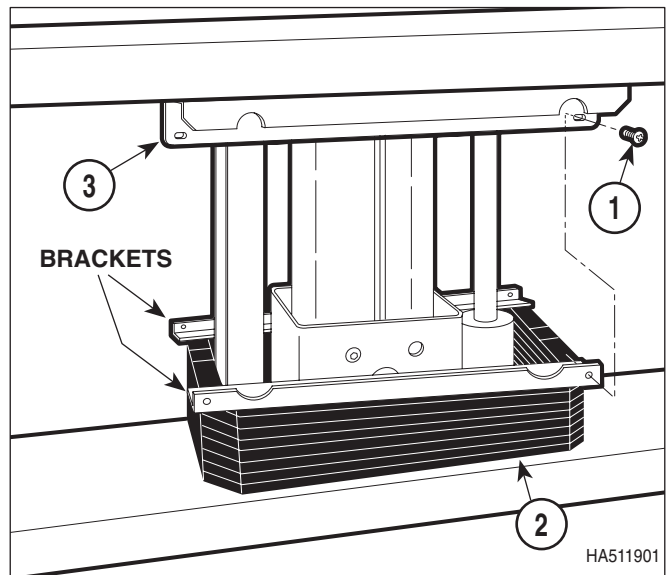


Figure 4-3. Lower Bellows For Access

4.3.1 Column Covers - Raise or Lower For Access (540, 545, 550, and 555 only)

NOTE

This paragraph applies only to units with new style 3-piece column cover set.

A. Raise bottom column cover for access

- (1) Pull upward on the bottom column cover (1, Figure 4-3.1) until it is free of four velcro strips on chassis (2).
- (2) Use wood block or similar device to prop bottom column cover up out of way.

B. Return bottom column cover from raised position

SECTION IV MAINTENANCE/SERVICE

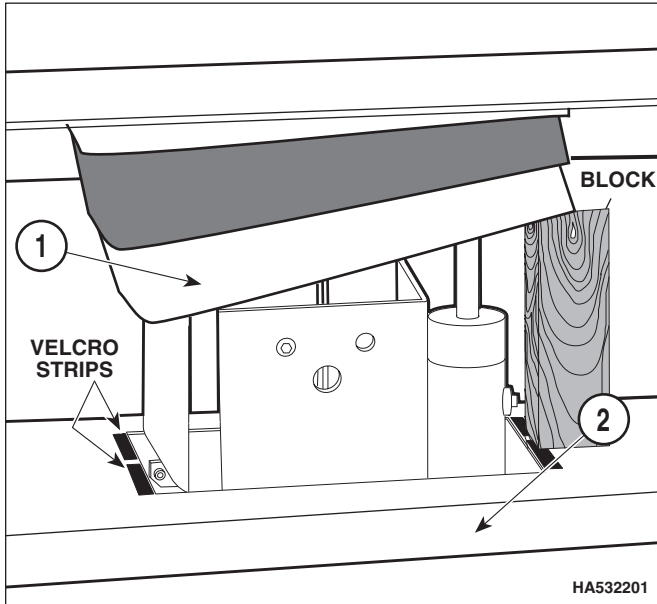


Figure 4-3.1 Raise Bellows For Access

- (1) Remove wood block propping up bottom column cover (1).
 - (2) Lower bottom column cover (1) down onto four velcro strips on chassis (2). Press bottom column cover firmly into place.
- C. Lower top column cover for access
- (1) Remove four screws (1, Figure 4-3.2) and lower top column cover (2) from litter frame (3).
- D. Return top column cover from lowered position
- (1) Raise top column cover (2) up to litter frame (3) and secure with four screws (1).

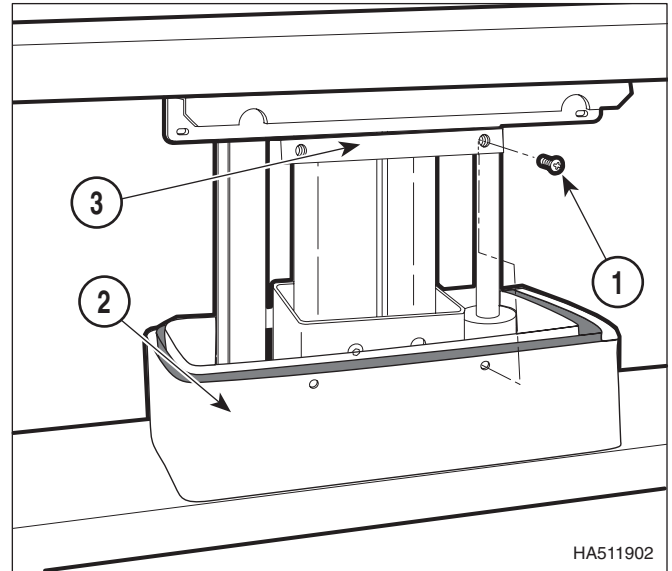


Figure 4-3.2 Lower Bellows For Access

4.4 Pump Assembly Release Point Adjustment (540, 545, 550, and 555 only)

A. Adjustment

- (1) Remove the lower cover (Refer to para 4.2).
- (2) Remove two nuts (1, Figure 4-4), pump cover (2), and pad (3) from two bolts (4).
- (3) Pump foot pedal (5) five to six times to partially raise stretcher.

NOTE

There is a rubber bumper on the bottom of the foot pedal. The bottom of the rubber bumper is what should be 1 in. (2.54 cm) above the floor when the pump assembly releases.

- (4) Depress foot pedal (5) down as far as it will go and observe what the height of the foot pedal is above the floor when the pump assembly (6) releases.
- (5) Insert a small Allen Wrench in the adjustment hole of the manual release valve stem (7).

SECTION IV MAINTENANCE/SERVICE

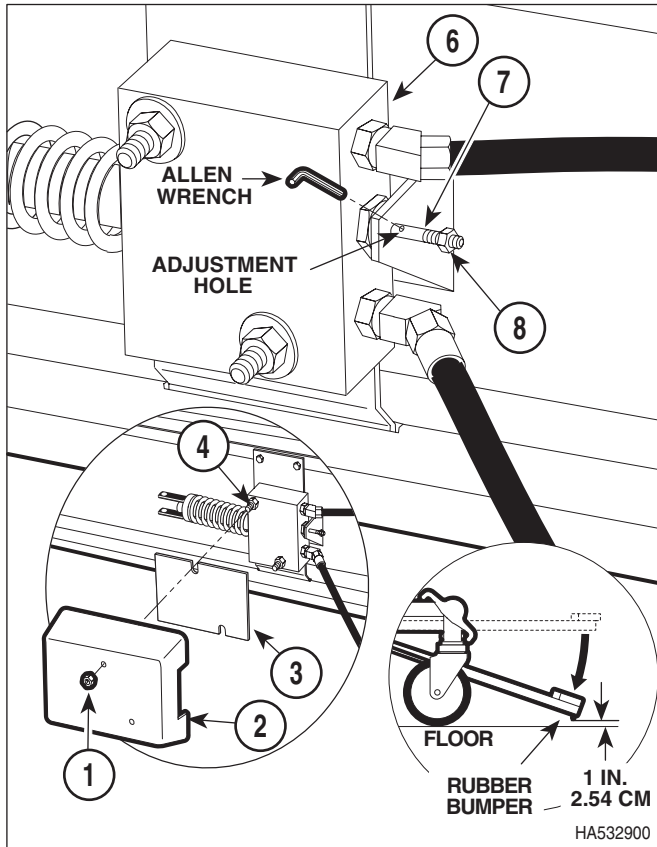


Figure 4-4. Pump Assembly Release Point Adjustment

NOTE

If the foot pedal releases the pump assembly higher than 1 in. (2.54 cm) above the floor, unscrew nut (8) slightly. If the foot pedal releases the pump assembly lower than 1 in. (2.54 cm) above the floor, screw nut (8) in slightly.

- (6) Using the Allen Wrench to keep the manual release valve stem (7) from rotating, turn nut (8) in the direction necessary as determined in the above note.
- (7) Repeat steps (3 thru 6) until the foot pedal (5) is 1 in. (2.54 cm) above the floor when the pump assembly (6) releases.
- (8) Install pad (3) and pump cover (2) on two bolts (4) and secure with two nuts (1).
- (9) Install lower cover (Refer to para 4.2).

4.5 Add Oil To Hydraulic System (540, 545, 550, and 555 only)

A. Add Oil

- (1) Depress foot pedal as far as it will go to lower the litter top; lower litter top until it is approximately 4 in. (10.1 cm) above the "fully lowered" position (to gain access to fill port).
- (2) Raise the bellows or bottom column cover for access (Refer to para 4.3 or 4.3.1).
- (3) Remove plug (1, Figure 4-5) from fill port of elevation cylinder (2).



EQUIPMENT ALERT

You should use hydraulic oil DTE 24 fluid [light amber]. If pump contains another type of fluid, refill the hydraulic system of the stretcher with the same type of oil the stretcher currently contains. Clear = mineral oil, Red = Dexron III Transmission Fluid, Light Amber = Power Steering. Note: SN Prefix SMI, OMI, PK use Mobil DTE 24 DO Grade 32 (Do not mix oils.) Failure to do so could result in faulty performance or premature failure.

- (4) Using a squeezable plastic bottle, add oil to fill port until fluid level reaches height of fill port and starts to flow back out of the fill port.

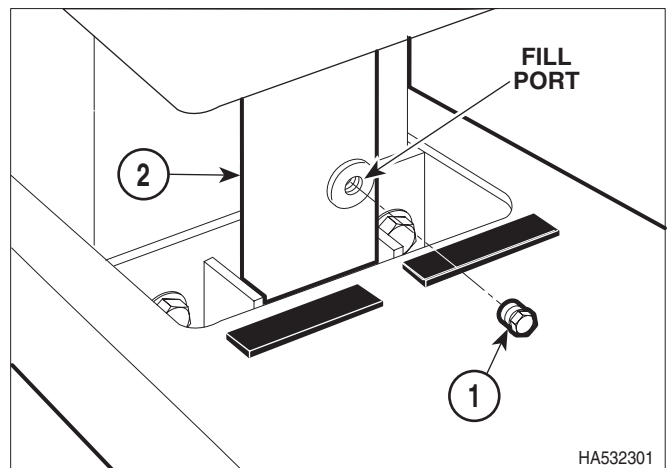


Figure 4-5. Adding Oil To Hydraulic System

- (5) Depress foot pedal as far as it will go to lower the litter top to the "fully lowered" position while holding a rag under the fill port. Any excess oil will be forced out of the fill port.
- (6) Install plug (1) in elevation cylinder (2).
- (7) Return bellows or bottom column cover from raised position (Refer to para 4.3 or 4.3.1).
- (8) Purge Air From Hydraulic System (Refer to para 4.6).

4.6 Purge Air From Hydraulic System (540, 545, 550, and 555 only)

A. Purging Air

NOTE

If the stretcher being repaired is a dual pump (two pedal) system, the procedure is still the same. Just determine which of the two pumps needs to be purged of air and apply the following procedure to that pump. If both pumps need to be purged of air, perform the procedure on one pump at a time.

- (1) Remove lower cover (Refer to para 4.2).
- (2) Remove two nuts (1, Figure 4-6), pump cover (2), and pad (3) from two bolts (4).



EQUIPMENT ALERT

The manual release valve stem (5) is only meant to be pulled out approximately 1/8 in. (0.32 cm). Pulling it out farther could result in damage to the valve.

Do not try to *clamp* the manual release valve stem in the pulled out position with a vise grips. When the foot pedal is pumped, the release bracket will put pressure on the manual release valve stem, snapping the valve stem.

NOTE

Depress the foot pedal slowly and evenly to prevent the introduction of air in the hydraulic system.

The litter top of stretcher will not raise because the manual release valve is being held in the open position. Oil is pushed through the hydraulic system, purging air from it.

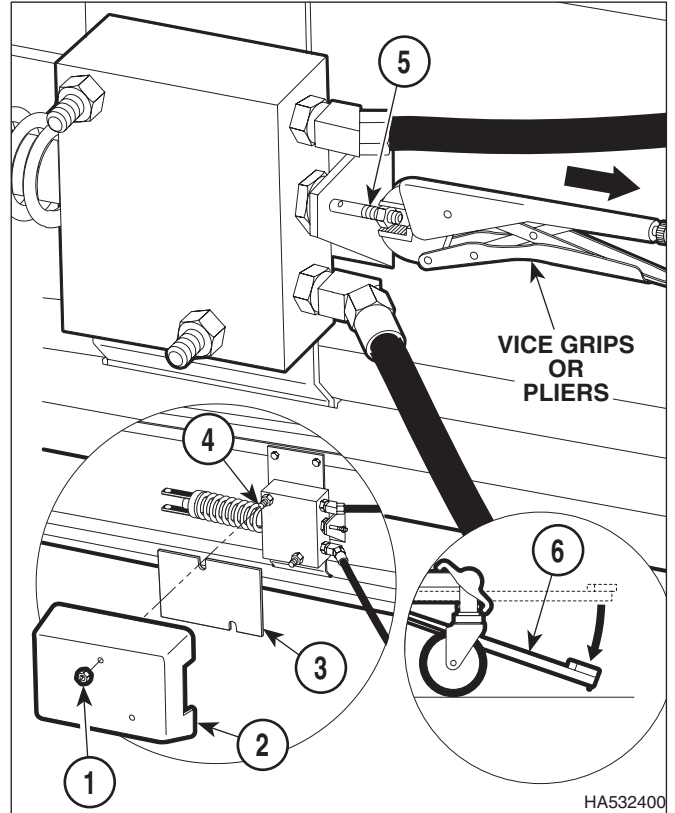


Figure 4-6. Purge Air From Hydraulic System

NOTE

A foot pedal is considered "spongy" if the pedal travels more than 1 in. (2.54 cm) before resistance to the foot pedal is felt.

- (3) While pulling outward on the manual release valve stem (5) with a pliers or vise grips, slowly pump the foot pedal (6) five to six times.
- (4) Remove pliers or vise grip from the manual release valve stem and test the foot pedal (6) for sponginess. Repeat step 3 until the foot pedal no longer feels spongy when pumped.
- (5) Install pad (3) and pump cover (2) on two bolts (4) and secure with two nuts (1).
- (6) Install lower cover (Refer to para 4.2).

SECTION IV MAINTENANCE/SERVICE

4.7 Hose Removal / Installation (540, 545, 550, and 555 only)

A. Removal

- (1) Remove lower cover (Refer to para 4.2).
- (2) Depress the foot pedal as far as it will go to lower the litter top to it's lowest position.
- (3) Place drain pan(s) under the hose connections to catch oil. See Figure 4-7.

NOTE

Hoses on stretchers which have a Rite Trac (fifth wheel) are routed slightly differently.

- (4) Disconnect one end of hose from fitting in pump assembly and the other end of the hose from fitting in elevation cylinder and remove hose.

B. Installation

- (1) Connect one end of hose to fitting in elevation cylinder and the other end of the hose to fitting in pump assembly.

- (2) Add oil to hydraulic system (Refer to para 4.5).
- (3) Purge air from the hydraulic system (Refer to para 4.6).
- (4) Install lower cover (Refer to para 4.2).
- (5) Dispose of used oil in accordance with local regulations.

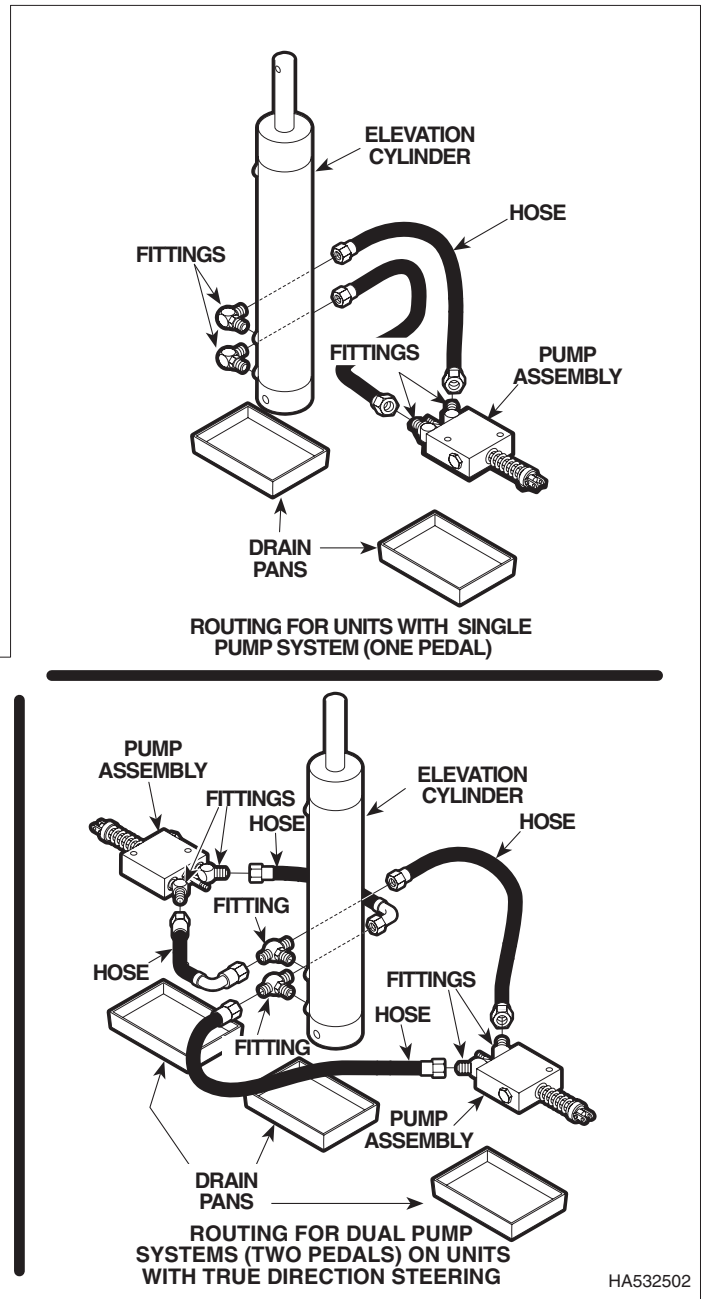


Figure 4-7. Hose Removal / Installation

4.8 Pump Assembly Removal / Installation (540, 545, 550, and 555 only)

A. Removal

- (1) Remove lower cover (Refer to para 4.2).
- (2) Depress the caster control pedal to the "brake" position.
- (3) If possible, lower litter top as low as it will go; then lay the stretcher onto its side.
- (4) Remove two nuts (1, Figure 4-8), pump cover (2), and pad (3) from two bolts (4).
- (5) Depress foot pedal (5) down as far as it will go and use a weight or some other method to keep it down.



WARNING

Spring is under compression. Failure to keep foot pedal secured for the following steps could result in severely pinched or cut fingers.

NOTE

A 3/8-16 x 2.5" bolt and 3/8-16 nut are required to remove the pump assembly. Steps (6) through (8) only apply to stretchers with serial numbers that begin with TEX, TEG, TEH and TEW. They are used to hold the tension on the spring to allow removal of the pump assembly.

- (6) Install a 3/8-16 x 2.5" bolt between the pump pedal links (6) and thru bolt hole in release bar (7) and secure with nut.
- (7) Using a tie strap, secure the spring (8) to the release bar (7).
- (8) Disconnect release bar (7) from foot pedal (5) by removing rue ring (9) and clevis pin (10).
- (9) Disconnect pump pedal links (6) from foot pedal (5) by removing rue ring (11) and clevis pin (12).

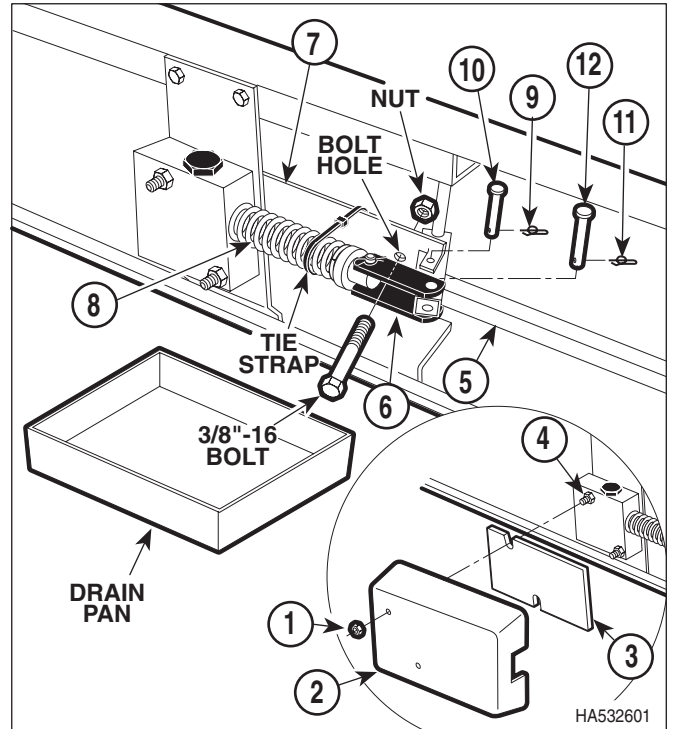


Figure 4-8. Foot Pedal Disconnection

- (10) Place a drain pan under pump assembly.

NOTE

After disconnecting, position end of hoses facing upward so oil will not leak out.

Also, some pumps will use male connectors instead of elbows.

- (11) Tag and disconnect hoses (1 and 2, Figure 4-9) from elbows or male connectors (3 and 4).
- (12) Loosen jam nuts; then remove elbows (3 and 4) from pump assembly (5) **or** remove male connectors (3 and 4) from pump assembly (5).
- (13) Remove two screws (6) and pump assembly (5) from chassis (8).

SECTION IV MAINTENANCE/SERVICE

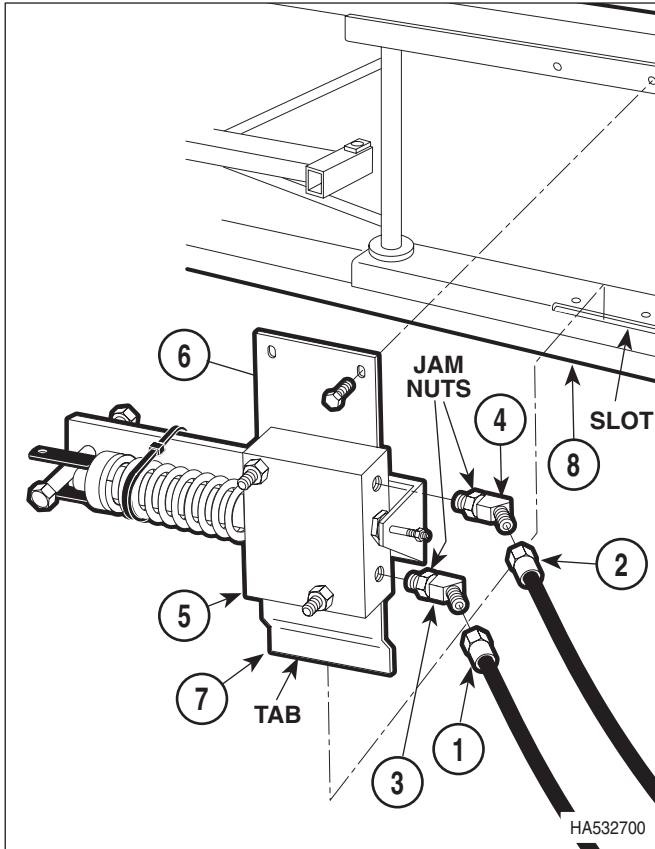


Figure 4-9. Pump Assembly Removal / Installation

- (14) Remove two nuts (1, Figure 4-10), washers (2), screws (3), and pump plate (4) from pump assembly (5).
- (15) Remove nut (6) from manual relief valve stem (7).

B. Installation

- (1) Install nut (6, Figure 4-10) on manual relief valve stem (7). Tighten only one or two turns.
- (2) Install pump plate (4) on pump assembly (5) and secure with two screws (3), washers (2), and nuts (1).
- (3) Install tab of pump plate (7, Figure 4-9) in slot in chassis (8) and secure with two screws (6).

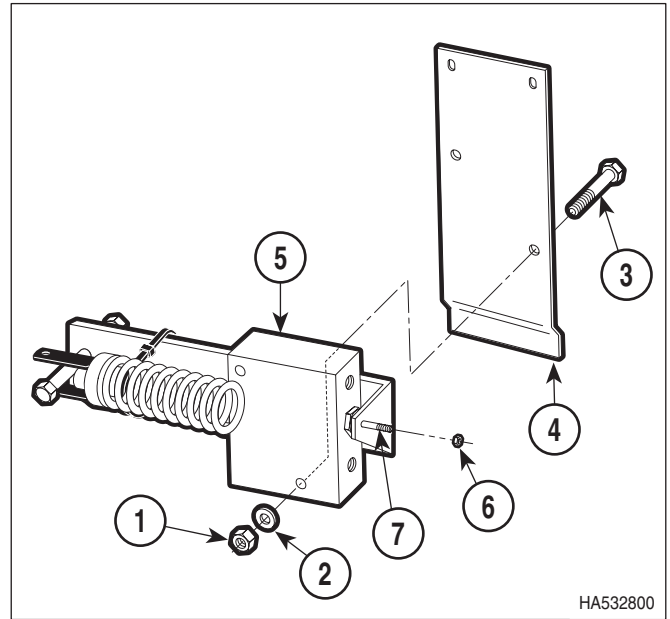


Figure 4-10. Pump Assembly Disassembly



EQUIPMENT ALERT

Make sure the o-rings are not damaged and are present on both elbows or male connectors. If not, the elbows or male connectors could leak, causing the stretcher to operate improperly.

- (4) Coat o-rings on elbows or male connectors (3 and 4) with oil.
- (5) Install elbows or male connectors (3 and 4) on pump assembly (5), making sure to tighten jam nuts of elbows after elbow itself has been hand tightened and positioned. Tighten jam nuts to 10 - 12 ft-lbs (13.5 - 16.2 N•m).
- (6) Connect hoses (1 and 2) to elbows or male connectors (3 and 4).
- (7) Connect pump pedal links (6, Figure 4-8) to pump pedal (5) with clevis pin (12) and rue ring (11).
- (8) Cut tie strap securing spring (8).

SECTION IV MAINTENANCE/SERVICE

- (9) Remove nut and 3/8-16 x 2.5" bolt from release bar (7).
- (10) Turn stretcher upright.
- (11) Add oil to hydraulic system (Refer to para 4.5).
- (12) Purge air from the hydraulic system (Refer to para 4.6).
- (13) Adjust the pump assembly release point (Refer to para 4.4).
- (14) install pad (3) and pump cover (2) on two bolts (4) and secure with two nuts (1).
- (15) Install lower cover (Refer to para 4.2).
- (16) Dispose of used oil in accordance with local regulations.

4.9 Elevation Cylinder Removal / Installation (540, 545, 550, and 555 only)

A. Removal

- (1) Remove lower cover (Refer to para 4.2).
- (2) Lower bellows or top column cover for access (Refer to para 4.3 or 4.3.1).
- (3) Depress the caster control pedal to the "brake" position.
- (4) Lay the stretcher onto its side.

NOTE

Hoses on stretchers with Rite Trac steering (fifth wheel) will be routed slightly different than one without. Note the differences in routing before disconnecting hoses or removing fittings. Figure 4-14 is shows hose routing on a stretcher without Rite Trac steering (fifth wheel).

- (5) Place a drain pan under elevation cylinder (1, Figure 4-14).
- (6) Tag and disconnect hoses (2) from fittings (3 and 4).

NOTE

The two fittings are different and the location from which they are removed should be noted.

- (7) Loosen jam nut (5), and then remove fitting (3) from elevation cylinder (1).

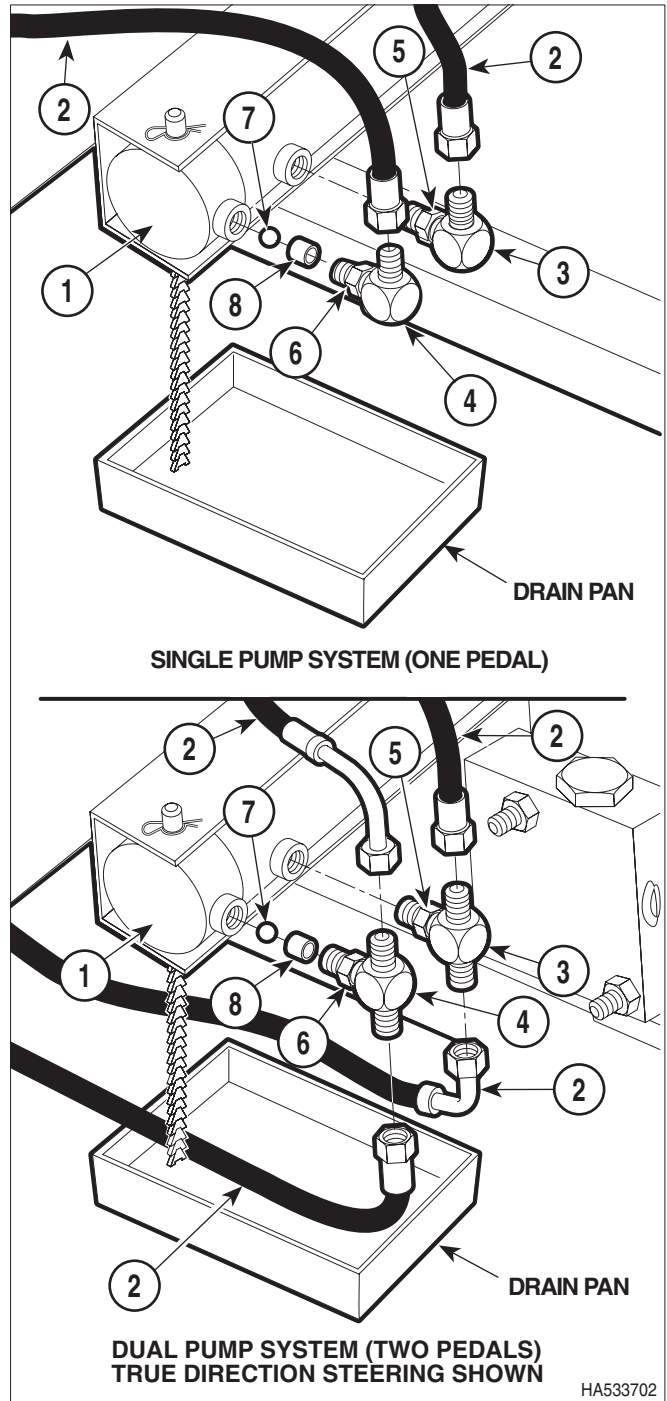


Figure 4-14. Elevation Cylinder Hose and Fittings Removal

SECTION IV MAINTENANCE/SERVICE



EQUIPMENT ALERT

The nylon ball is loose in fitting and will fall out when the fitting is removed. Do not lose the nylon ball. The stretcher will not operate properly without it.

NOTE

The restrictor seat will probably *not* come out during the following step and which elbow it is located in should be noted.

- (8) Loosen jam nut (6) and then remove fitting (4), nylon ball (7) and restrictor seat (8) from elevation cylinder (1).
- (9) Disconnect rod of elevation cylinder (1, Figure 4-15) from litter top (2) by removing rue ring (3) and clevis pin (4).
- (10) Remove rue ring (5), clevis pin (6), ground chain assembly (7), and elevation cylinder (1) from chassis (8).

B. Installation

- (1) Install ground chain assembly (7, Figure 4-15) on clevis pin (6).

NOTE

Make sure the ground chain assembly is installed in the location shown in the illustration. Otherwise, the ground chain assembly will not hang down through the lower cover and will not be able to contact the ground properly.

There are two mounting holes for the elevation cylinder, depending on whether the stretcher is a low height or standard height stretcher; mounting hole A is for low height option and mounting hole B is for standard height option.

- (2) Position elevation cylinder (1) on chassis (8) and secure with clevis pin (6) and rue ring (5).

NOTE

The litter top may need to be pulled or pushed in order to get the rod of the elevation cylinder to align with the litter top.

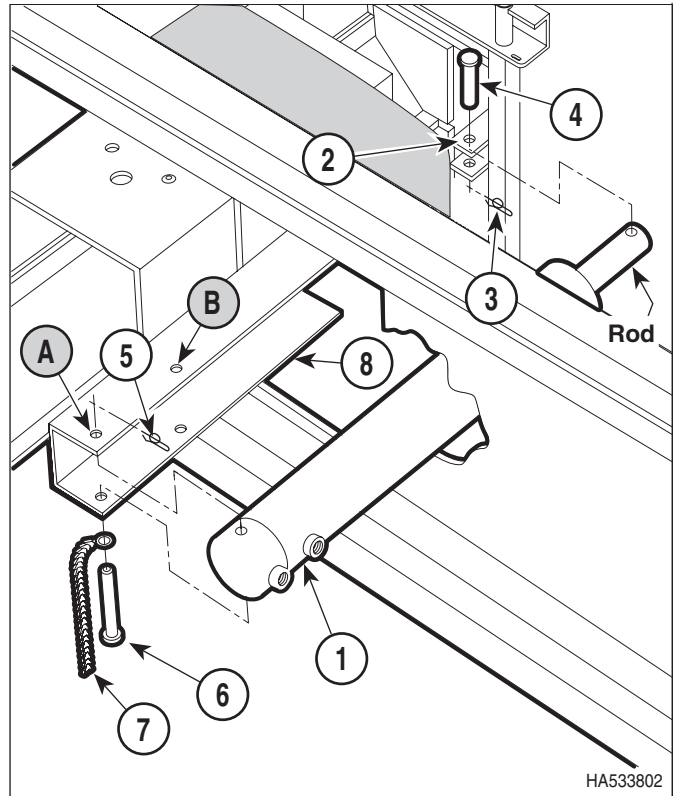


Figure 4-15. Elevation Cylinder Removal / Installation

- (3) Position rod of elevation cylinder (1) on litter top (2) and secure with clevis pin (4) and rue ring (3).
- (4) Install restrictor seat (8, Figure 4-14) and nylon ball (7) in fitting (4).



EQUIPMENT ALERT

Make sure the o-rings are not damaged and are present on both fittings. If not, the fittings could leak, causing the stretcher to operate improperly.

- (5) Coat o-rings on fittings (3 and 4) with oil.



WARNING

Make sure nylon ball (7) is installed when installing fitting. If nylon ball is not installed, the stretcher will descend much too quickly, possibly endangering a patient.

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- (6) Install fitting (4) in elevation cylinder (1). Secure fitting in place by tightening jam nut (6) to 10 - 12 ft-lbs (13.5 - 16.2 N•m).
- (7) Install fitting (3) in elevation cylinder (1). Secure fitting in place by tightening jam nut (5) to 10 - 12 ft-lbs (13.5 - 16.2 N•m).
- (8) Connect hoses (2) to fittings (3 and 4).
- (9) Turn stretcher upright.
- (10) Add oil to hydraulic system (Refer to para 4.5).
- (11) Purge air from the hydraulic system (Refer to para 4.6).
- (12) Install lower cover (Refer to para 4.2).
- (13) Dispose of used oil in accordance with local regulations.

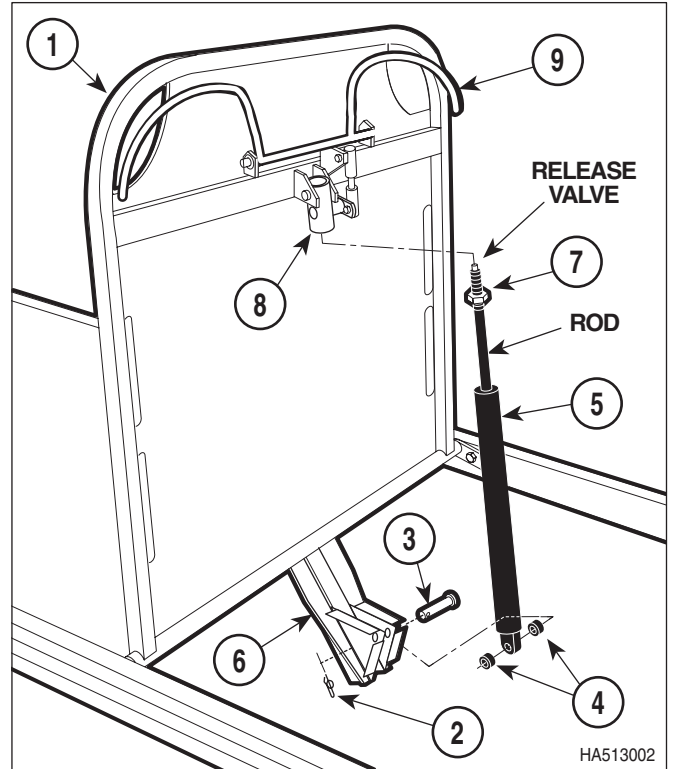


Figure 4-19. Fowler Gas Spring Removal / Installation

4.10 Fowler Gas Spring Removal / Installation

A. Removal

- (1) Raise the Fowler (1, Figure 4-19) to the "up" position if possible.

NOTE

If possible, hold the Fowler in the "up" position while removing the Fowler gas spring. Otherwise, the Fowler gas spring will have to be removed with the Fowler in the "down" position, which is more difficult.

- (2) Remove rue ring (2), clevis pin (3), two rubber springs (4), and the bottom of the Fowler gas spring (5) from Fowler bracket (6).
- (3) Loosen jam nut (7).

NOTE

Count the number of turns that it takes to unscrew the Fowler gas spring from the actuator. This is necessary so that the new Fowler gas spring can be installed easily and quickly.

- (4) Unscrew rod of Fowler gas spring (5) from actuator (8).

B. Installation

- (1) Extend rod of new Fowler gas spring (5) by firmly pressing the release valve on the rod end of the Fowler gas spring against the floor.
- (2) Hold the Fowler (1) in an upright position and screw rod of Fowler gas spring (5) into the actuator (8) the same number of turns it took to remove the Fowler gas spring.

NOTE

To align the bottom of the Fowler gas spring with Fowler bracket, simply move the Fowler up or down.

- (3) Position bottom of Fowler gas spring (5) on Fowler bracket (6) and secure with two rubber springs (4), clevis pin (3), and rue ring (2).
- (4) Squeeze the Fowler handle (9). The Fowler gas spring (5) should release when the handle is squeezed - meaning the Fowler should be

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able to be raised and lowered. Release the Fowler handle. Put pressure on the Fowler section. The Fowler should not "drift" downward.



EQUIPMENT ALERT

Vise grips and a soft cloth must be placed on rod of Fowler gas spring directly under jam nut (4) to prevent damage to rod. If the rod is scratched or scarred, the gas spring will malfunction.

- (5) If the Fowler gas spring (5) does not release when the Fowler handle (9) is squeezed, adjust as follows: Using vise grips and cloth, *screw* rod of Fowler gas spring *in* 1/2 turn. Repeat steps 4 and 5 until the Fowler gas spring releases properly.
- (6) If the Fowler gas spring (5) "drifts" downward when pressure is applied to the Fowler (1), adjust as follows: Using vise grips and cloth, *unscrew* rod of Fowler gas spring (5) 1/2 turn. Repeat steps 4 and 6 until the Fowler gas spring does not "drift".
- (7) Using vise grips and cloth to hold rod of Fowler gas spring (5) from rotating, tighten jam nut (7). Tighten jam nut to 12 - 17 ft-lbs (16.2 - 23.0 N•m).

4.11 Fowler Gas Spring Adjustment

A. Adjustment

- (1) Squeeze the Fowler handle (1, Figure 4-20). The Fowler gas spring (2) should release when the handle is squeezed - meaning the Fowler (3) should be able to be raised and lowered. Release the Fowler handle. Put pressure on the Fowler. The Fowler should not "drift" downward.
- (2) Loosen jam nut (4).



EQUIPMENT ALERT

Vise grips and a soft cloth must be placed on rod of Fowler gas spring directly under jam nut to prevent damage to rod. If the rod is scratched or scarred, the gas spring will malfunction.

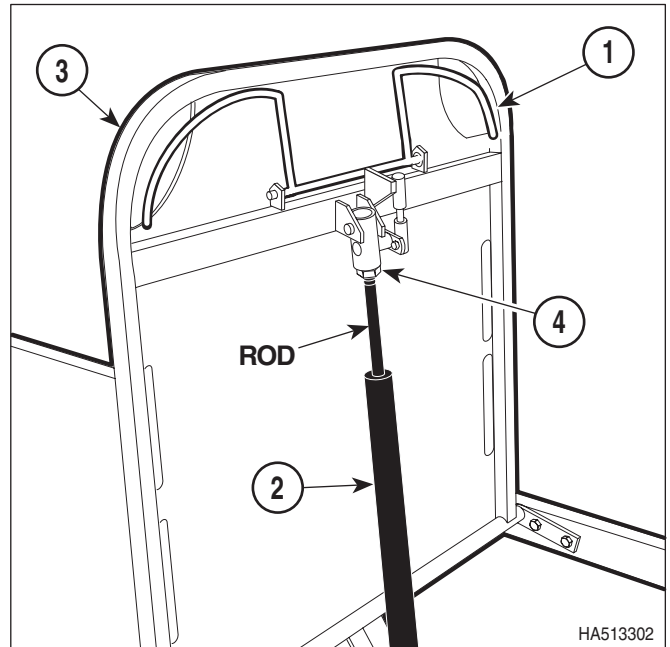


Figure 4-20. Fowler Gas Spring Adjustment

- (3) If the Fowler gas spring (2) does not release when the Fowler handle (1) is squeezed, adjust as follows: Using vise grips and cloth, *screw* rod of Fowler gas spring *in* 1/2 turn. Repeat steps 1 and 3 until the Fowler gas spring releases properly.
- (4) If the Fowler gas spring (2) "drifts" downward when pressure is applied to the Fowler (3), adjust as follows: Using vise grips and cloth, *unscrew* rod of Fowler gas spring (2) 1/2 turn. Repeat steps 1 and 4 until the Fowler gas spring does not "drift".
- (5) Using vise grips and cloth to hold rod of Fowler gas spring (2) from rotating, tighten jam nut (4). Tighten jam nut to 12 - 17 ft-lbs (16 - 23 N•m).

4.12 Trendelenburg Gas Spring Removal / Installation (540, 545, 550, and 555 only)

A. Removal

- (1) Raise the litter top of the stretcher as high as it will go.

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NOTE

Using a tie strap to compress the top and bottom of the bellows together allows for easier access to remove the Trendelenburg gas spring.

- (2) Lower *and* raise bellows for access *or* lower and raise column covers for access (Refer to para 4.3 or 4.3.1).
- (3) Depress a caster control pedal to the "brake" position.
- (4) Drive spiral pin (1, Figure 4-21) out of pivot plate (2) and separate bottom of Trendelenburg gas spring (3) from pivot plate.
- (5) Loosen jam nut (4).

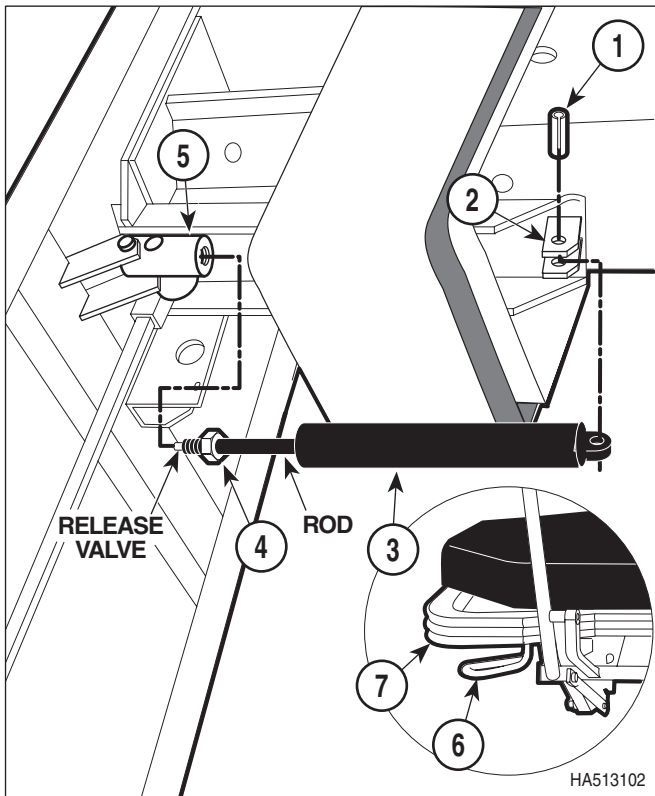


Figure 4-21. Trendelenburg Gas Spring Removal / Installation (540, 545, 550, and 555 only)

NOTE

Count the number of turns that it takes to unscrew the Trendelenburg gas spring from the actuator. This is necessary so that the new Trendelenburg gas spring can be installed easily and quickly.

- (6) Unscrew rod of Trendelenburg gas spring (3) from actuator (5).

B. Installation

- (1) Extend rod of new Trendelenburg gas spring (3) by firmly pressing the release valve on the rod end of the Trendelenburg gas spring against the floor.
- (2) Screw the rod of Trendelenburg gas spring (3) into actuator (5) the same number of turns it took to remove the Trendelenburg gas spring.

NOTE

To align the bottom of the Trendelenburg gas spring with pivot plate, simply move the litter top up or down.

- (3) Position bottom of Trendelenburg gas spring (3) on pivot plate (2) and secure with spiral pin (1).
- (4) Squeeze the Trendelenburg handle (6). The Trendelenburg gas spring (3) should release when the handle is squeezed - meaning the litter top (7) should be able to be raised and lowered. Release the Trendelenburg handle. Put pressure on one end of the litter top and then on the other end. The litter top should not "drift" upward or downward.



WARNING

The Trendelenburg gas spring could release when it is being adjusted, allowing the litter top to lower. Have an assistant support the litter top or block the litter top up before adjusting the Trendelenburg gas spring. Failure to do so could result in personal injury.

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EQUIPMENT ALERT

Vise grips and a soft cloth must be placed on rod of Trendelenburg gas spring directly under jam nut to prevent damage to rod. If the rod is scratched or scarred, the gas spring will malfunction.

- (5) If the Trendelenburg gas spring (3) does not release when the Trendelenburg handle (6) is squeezed, adjust as follows: Using vise grips and cloth, screw rod of Trendelenburg gas spring *in* 1/2 turn. Repeat steps 5 and 6 until the Trendelenburg gas spring releases properly.
- (6) If the Trendelenburg gas spring (3) "drifts" downward when pressure is applied to either end of the litter top (7), adjust as follows: Using vise grips and cloth, *unscrew* rod of Trendelenburg gas spring (3) 1/2 turn. Repeat steps 5 and 7 until the Trendelenburg gas spring does not "drift".
- (7) Using vise grips and cloth to hold rod of Trendelenburg gas spring from rotating, tighten jam nut (4). Tighten jam nut to 12 - 17 ft-lbs (16.2 - 23.0 N•m).
- (8) Return bellows or column covers from lowered and raised positions (Refer to para 4.3 or 4.3.1).

4.13 Trendelenburg Gas Spring Removal / Installation (511 and 516 only)

A. Removal

- (1) Depress a caster control pedal to the "brake" position.
- (2) Remove two acorn nuts (1, Figure 4-22) and separate bracket (2) from column (3).
- (3) Loosen jam nut (4).

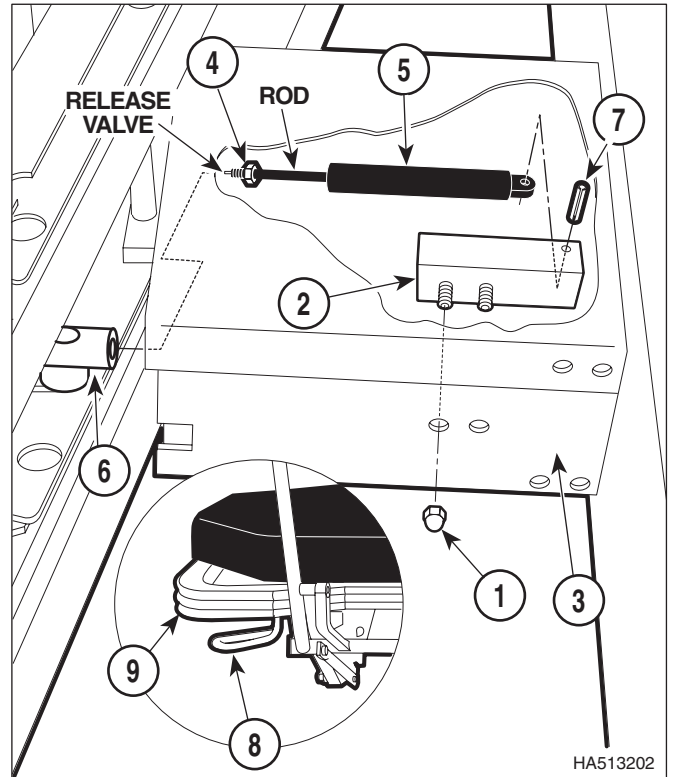


Figure 4-22. Trendelenburg Gas Spring Removal / Installation (511 and 516 only)

NOTE

Count the number of turns that it takes to unscrew the Trendelenburg gas spring from the actuator. This is necessary so that the new Trendelenburg gas spring can be installed easily and quickly.

- (4) Unscrew rod of Trendelenburg gas spring (5) from actuator (6) and remove Trendelenburg gas spring and bracket (2) from stretcher as an assembly.

NOTE

Place bracket (2) in a vice to remove the spiral pin securing the Trendelenburg gas spring. Spiral pin is difficult to remove.

- (5) Drive spiral pin (7) out of bracket (2) and remove Trendelenburg gas spring (5) from bracket.

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B. Installation

- (1) Extend rod of new Trendelenburg gas spring (5) by firmly pressing the release valve on the rod end of the Trendelenburg gas spring against the floor.

NOTE

Place bracket (2) in a vice to install Trendelenburg gas spring on it and secure with the spiral pin. Spiral pin is difficult to install.

- (2) Install Trendelenburg gas spring (5) on bracket (2) and secure with spiral pin (7).
- (3) Screw the rod of Trendelenburg gas spring (5) into actuator (6) the same number of turns it took to remove the Trendelenburg gas spring.

NOTE

To align the bottom of the bracket with the column, simply push or pull on the litter top up or down.

- (4) Install bracket (2) on column (3) and secure with two acorn nuts (1).
- (5) Squeeze the Trendelenburg handle (8). The Trendelenburg gas spring (5) should release when the handle is squeezed - meaning the litter top (9) should be able to be raised and lowered. Release the Trendelenburg handle. Put pressure on one end of the litter top and then the other end. The litter top should not "drift" upward or downward.



CAUTION

The Trendelenburg gas spring could release when it is being adjusted, allowing the litter top to lower. Have an assistant support the litter top or block the litter top up before adjusting the Trendelenburg gas spring. Failure to do so could result in personal injury.



EQUIPMENT ALERT

Vise grips and a soft cloth must be placed on rod of Trendelenburg gas spring directly under jam nut to prevent damage to rod. If the rod is scratched or scarred, the gas spring will malfunction.

- (6) If the Trendelenburg gas spring (5) does not release when the Trendelenburg handle (8) is squeezed, adjust as follows: Using vise grips and cloth, screw rod of Trendelenburg gas spring *in* 1/2 turn. Repeat steps 6 and 7 until the Trendelenburg gas spring releases properly.
- (7) If the Trendelenburg gas spring (5) "drifts" downward when pressure is applied to either end of the litter top (9), adjust as follows: Using vise grips and cloth, *unscrew* rod of Trendelenburg gas spring (5) 1/2 turn. Repeat steps 6 and 8 until the Trendelenburg gas spring does not "drift".
- (8) Using vise grips and cloth to hold rod of Trendelenburg from rotating, tighten jam nut (4). Tighten jam nut to 12 - 17 ft-lbs (16.2 - 23.0 N•m).

4.14 Trendelenburg Gas Spring Adjustment (540, 545, 550, and 555 only)

A. Adjustment

- (1) Squeeze the Trendelenburg handle (1, Figure 4-23). The Trendelenburg gas spring (2) should release when the handle is squeezed - meaning the litter top (3) should be able to be raised and lowered. Release the Trendelenburg handle. Put pressure on one end of the litter top and then the other end. The litter top should not "drift" upward or downward.
- (2) Lower bellows or top column cover for access (Refer to para 4.3 or 4.3.1).
- (3) Loosen jam nut (4).

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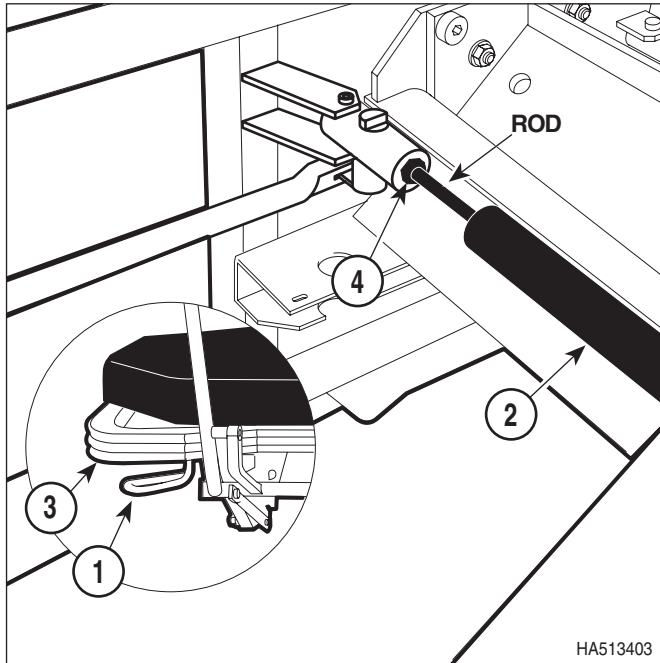


Figure 4-23. Trendelenburg Gas Spring Adjustment (540, 545, 550, and 555 only)



CAUTION

The Trendelenburg gas spring could release when it is being adjusted, allowing the litter top to lower. Have an assistant support the litter top or block the litter top up before adjusting the Trendelenburg gas spring. Failure to do so could result in personal injury.



EQUIPMENT ALERT

Vise grips and a soft cloth must be placed on rod of Trendelenburg gas spring directly under jam nut to prevent damage to rod. If the rod is scratched or scarred, the gas spring will malfunction.

- (4) If the Trendelenburg gas spring (2) does not release properly when the Trendelenburg handle (1) is squeezed, adjust as follows: Using a vise grips, screw rod of Trendelenburg gas spring *in* 1/2 turn. Repeat steps 1 and 4 until the Trendelenburg gas spring releases properly.

- (5) If the Trendelenburg gas spring (2) "drifts" downward when pressure is applied to either end of the litter top (3), adjust as follows: Using a vise grips, *unscrew* rod of Trendelenburg gas spring (2) 1/2 turn. Repeat steps 1 and 5 until the Trendelenburg gas spring does not "drift".
- (6) Using vise grips and cloth to hold the rod of Trendelenburg gas spring (2) from rotating, tighten jam nut (4). Tighten jam nut (4) to 12 - 17 ft-lbs (16.2 - 23.0 N•m).
- (7) Return bellows or top column cover from raised position (Refer to para 4.3 or 4.3.1).

4.15 Trendelenburg Gas Spring Adjustment (511 and 516 only)

A. Adjustment

- (1) Squeeze the Trendelenburg handle (1, Figure 4-24). The Trendelenburg gas spring (2) should release when the handle is squeezed - meaning the litter top (3) should be able to be raised and lowered. Release the Trendelenburg handle. Put pressure on one end of the litter top and then the other end. The litter top should not "drift" upward or downward.
- (2) Loosen jam nut (4).



CAUTION

The Trendelenburg gas spring could release when it is being adjusted, allowing the litter top to lower. Have an assistant support the litter top or block the litter top up before adjusting the Trendelenburg gas spring. Failure to do so could result in personal injury.



EQUIPMENT ALERT

Vise grips and a soft cloth must be placed on rod of Trendelenburg gas spring directly under jam nut to prevent damage to rod. If the rod is scratched or scarred, the gas spring will malfunction.

- (3) If the Trendelenburg gas spring (2) does not release properly when the Trendelenburg

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4.16 Caster Assembly Removal / Installation

A. Removal

NOTE

This note only applies to stretchers which *do not* have a Rite Trac (fifth wheel). Determine if the caster assembly you are removing is a steer caster or standard caster. This is important to remember, especially if removing more than one caster at a time. Make sure you replace the caster assembly that you remove with the same type of caster assembly. The steer caster is typically located under the patient's right foot.

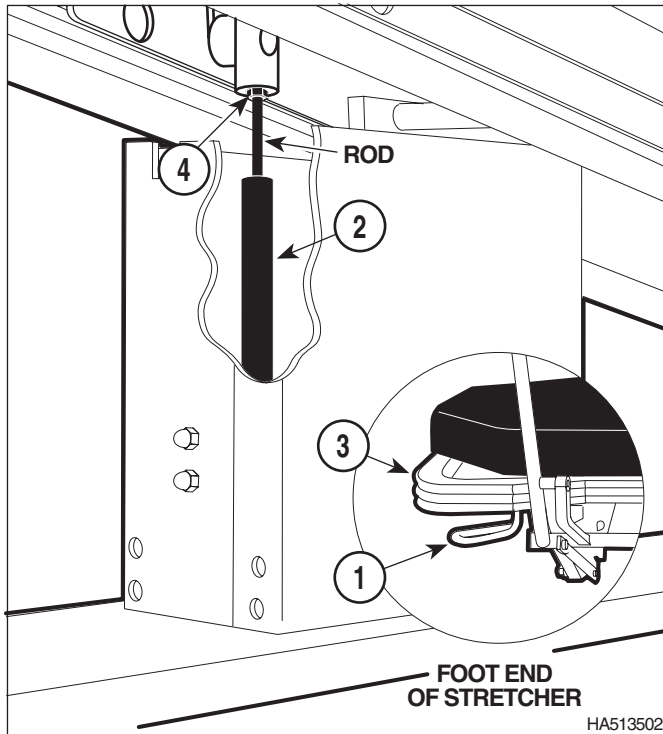


Figure 4-24. Trendelenburg Gas Spring Adjustment (511 and 516 only)

handle (1) is squeezed, adjust as follows: Using vise grips and a cloth, screw rod of Trendelenburg gas spring *in* 1/2 turn. Repeat steps 1 and 3 until the Trendelenburg gas spring releases properly.

- (4) If the Trendelenburg gas spring (2) "drifts" downward when pressure is applied to either end of the litter top (3), adjust as follows: Using a vise grips and cloth, *unscrew* rod of Trendelenburg gas spring (2) 1/2 turn. Repeat steps 1 and 4 until the Trendelenburg gas spring does not "drift".
- (5) Using vise grips and cloth to hold rod of Trendelenburg gas spring (2) from rotating, tighten jam nut (4). Tighten jam nut to 12 - 17 ft-lbs (16.2 - 23.0 N•m).

- (1) Depress a caster control pedal (1, Figure 4-25) to the brake position.
- (2) Elevate end of stretcher from which caster is being removed at least 6 in. (15.2 cm) and secure with blocks.
- (3) Loosen setscrew (2) and remove caster control pedal (1) from actuator bar (3).

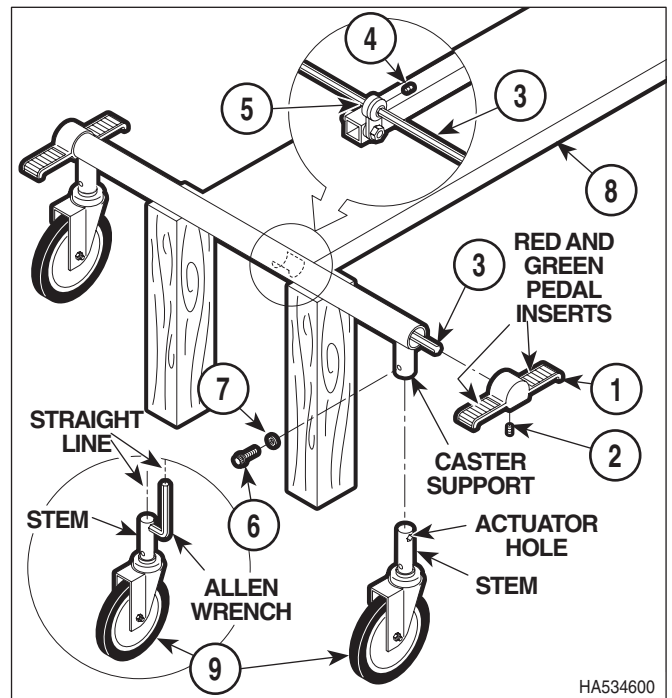


Figure 4-25. Caster Removal / Installation

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- (4) Loosen setscrew (4) which secures transfer lever (5) to actuator bar (3).
- (5) Remove two screws (6) and lockwashers (7) from chassis (8).



EQUIPMENT ALERT

Do not hit end of actuator bar with steel hammer. The end of the actuator bar will deform making installation difficult or impossible.

NOTE

The caster control pedal on the other end of the actuator bar may be pushed on to assist in driving the actuator bar into the chassis.

- (6) Using a soft faced mallet, drive actuator bar (3) into chassis (8) until the caster assembly (9) is able to be removed from the chassis.

B. Installation

NOTE

Steps 1 thru 5 describe how to prepare and orient the caster assembly for proper installation.

- (1) Insert a 7/16 inch Allen Wrench in actuator hole of new caster assembly (9) and turn Allen Wrench in one direction as far as it will go. Check if the caster assembly brake is engaged (if the caster assembly brake is engaged, the caster fork will not rotate and caster wheel will not turn). If it is determined that the caster assembly brake is not engaged, turn the Allen Wrench in the opposite direction as far as it will go; this will be the brake position.
- (2) Turn the Allen Wrench back one "click". This is the caster assembly's (9) neutral position. Remove the Allen Wrench and re-insert it so the long end of the Allen Wrench is in a straight line with the stem of the caster assembly.
- (3) Return the caster assembly (9) to the brake position (the Allen Wrench should be at an angle now).
- (4) With the Allen Wrench still inserted in the caster assembly (9), partially install the caster assembly in caster support of chassis (8) so that the long end of the Allen Wrench is

pointing in the same direction as the red pedal inserts in the caster control pedals. If not, remove the caster assembly, rotate it 180°, and re-install caster assembly. Now the long end of the Allen Wrench should be pointing in the same direction as the red pedal inserts in the caster control pedals, indicating the caster assembly is oriented properly.

- (5) Remove Allen Wrench from caster assembly (9) and install caster assembly in caster support of chassis (8).



EQUIPMENT ALERT

Make sure the caster control pedals are completely in the "brake" position before performing step 6 or the caster assembly will not operate properly when installation procedure is completed.

- (6) Push the actuator bar (3) through the actuator hole of the caster assembly (9).
- (7) Coat threads of two screws (6) with removable threadlocking adhesive (Loctite 242).
- (8) Install two new lockwashers (7) and screws (6) to secure caster assembly (9) in chassis (8). Tighten screws (6) to 25 to 30 ft-lbs. (33.9 to 40.6 N•m).
- (9) Install caster control pedal (1) on end of the actuator bar (3) and secure by tightening setscrew (2).
- (10) Making sure the transfer lever (5) is not binding, secure in position by tightening setscrew (4).
- (11) Check the newly installed caster assembly (9) for proper operation.

4.17 Caster Brake Adjustment

A. Adjustment

- (1) Depress the caster control pedal (1, Figure 4-26) to the neutral position.
- (2) If the brake needs to be tightened, use a punch to unscrew the rubber brake shoe (2) 1/4 turn, which moves the rubber brake shoe downward.

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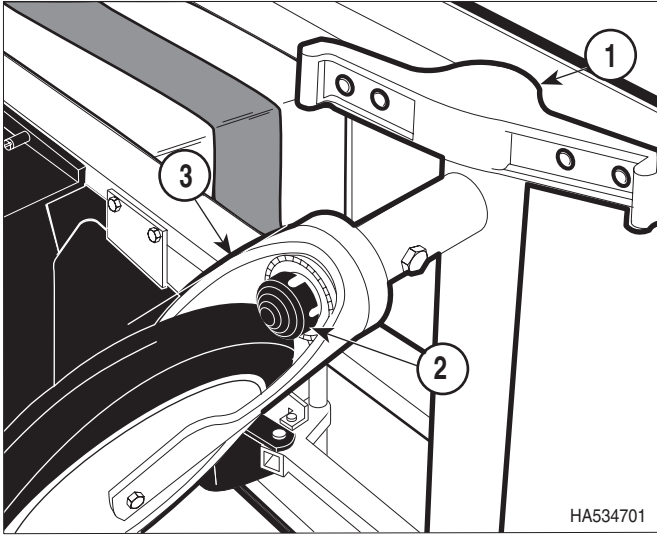


Figure 4-26. Caster Brake Adjustment

- (3) If the brake needs to be loosened, use a punch to screw in the rubber brake shoe (2) 1/4 turn, which moves the rubber brake shoe upward.

- (4) Depress the caster control pedal (1) to the brake position and check the braking action of the caster assembly (3).
- (5) Repeat steps 1 thru 4 until brakes are adjusted properly.

4.18 Caster Fork Controls Adjustment

A. Adjustment

- (1) Lift caster (1, Figure 4-27) which needs adjusted, off of the floor approximately 1 in. (2.5 cm). Place a support under chassis (2) to hold caster at that height.
- (2) Move caster control pedal (3) to "neutral" position.
- (3) Remove two screws (4) and lockwashers (5) from chassis (2).

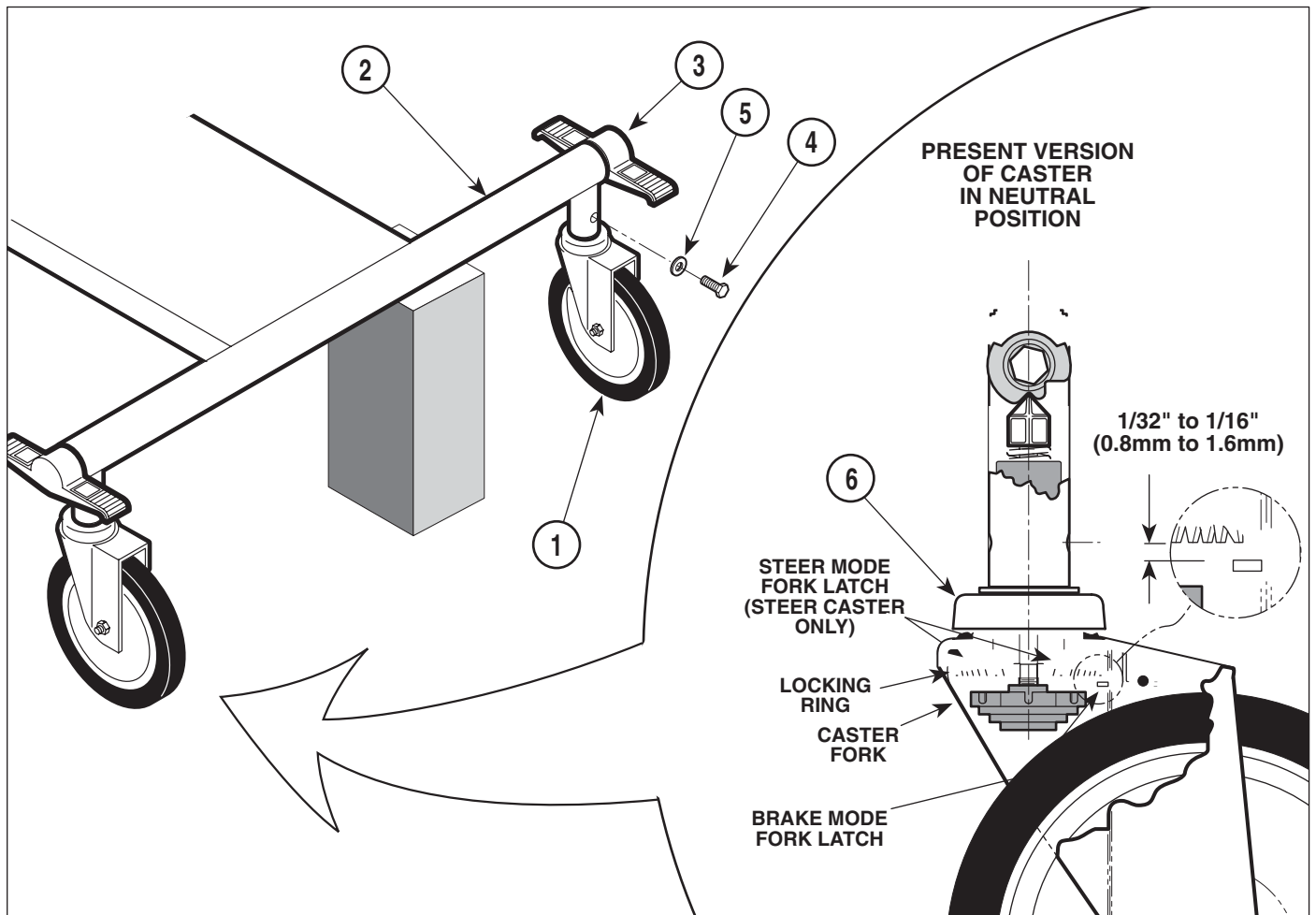


Figure 4-27. Caster Fork Controls Adjustment

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NOTE

Turning adjusting ring in a counter-clockwise direction raises locking ring while turning adjusting ring in a clockwise direction lowers locking ring (as viewed from top side of caster).

If brake mode fork latch is bent or damaged, the caster must be replaced.

- (4) Looking up from bottom side of caster fork, rotate adjusting ring (6) until teeth of locking ring are approximately 1/32 to 1/16 in. (0.8 to 1.6 mm) from the brake mode fork latch.
- (5) Install two screws (4) in chassis (2).
- (6) Attempt to rotate caster fork (one way to check is to align casters and then lean stretcher over onto two casters to see if they ratchet). Caster fork **should** rotate freely and no ratcheting noise should be heard. If caster fork does not rotate freely and / or a ratcheting noise is heard, repeat steps 2 thru 4.
- (7) Move caster control to "brake" position. Attempt to rotate caster fork. Caster fork should **not** rotate freely and no ratcheting noise should be heard. If caster fork rotates and / or a ratcheting noise is heard, perform the following steps:
 - a. Remove two screws (4) from chassis (2).
 - b. Rotate adjusting ring (6) 1/2 turn in a clockwise direction (as viewed from top of caster).
 - c. Install two screws (4) in chassis (2).
 - d. Repeat step 7 until caster fork does **not** rotate freely and no ratcheting noise is heard.

NOTE

Step 8 applies only to steer caster.

- (8) Move caster control pedal to "steer" position. Attempt to rotate caster fork. The steer mode fork latches should lock into one of two sets of locking holes in caster fork, causing caster fork to lock into one of two steer positions with no ratcheting noise heard. If caster fork rotates and / or a ratcheting noise is heard, perform the following steps:
 - a. Remove two screws (4) from chassis (2).
 - b. Rotate adjusting ring (6) 1/2 turn in a counter-clockwise direction (as viewed from top of caster).
 - c. Install two screws (4) in chassis (2).
 - d. Repeat step 7 until caster fork **locks** into one of two steer positions and no ratcheting noise is heard.
- (9) Move caster control pedal to the "brake", "neutral", and "steer" positions and check that the caster works properly in each mode.
- (10) Remove two screws (4) from chassis (2). Coat threads of two screws with removable threadlocking adhesive (Loctite 242). Install two lockwashers (5) and screws (4) in chassis (2). Tighten screws (4) to 25 to 30 ft-lbs. (33.9 to 40.6 N•m).
- (11) Remove block from under chassis (2) and lower chassis to floor.

4.19 Litter Top Removal / Installation (540, 545, 550, and 555 only)

A. Removal



WARNING

Failure to lower litter top as far as it will go before attempting removal could result in personal injury.

- (1) Lower litter top (1, Figure 4-28) as far as it will go.
- (2) Lower bellows or top column cover for access (Refer to para 4.3 or 4.3.1).
- (3) Remove rue ring (2) and clevis pin (3) which attaches litter top (1) to rod of elevation cylinder (4).

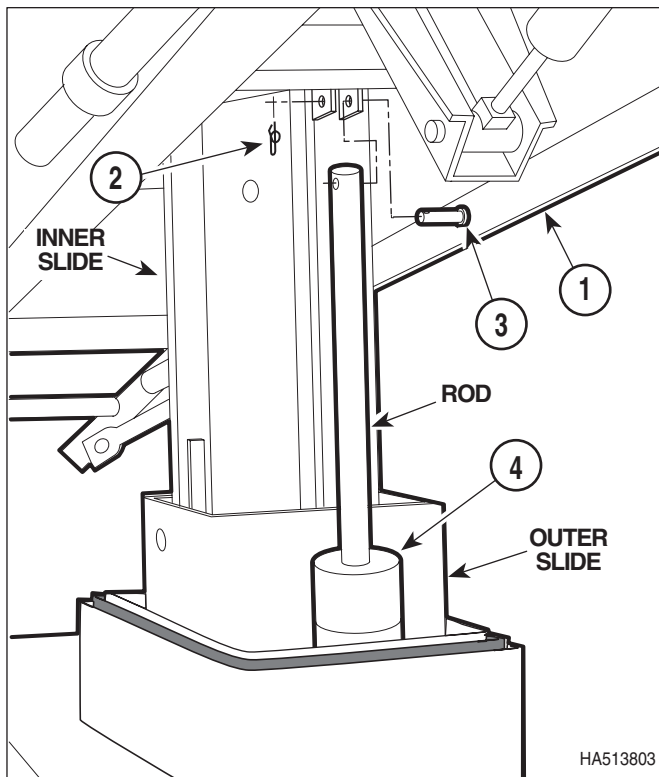


Figure 4-28. Litter Top Removal / Installation

NOTE

Note the location of the head end of the litter top and the head end of the chassis for proper installation.

- (4) With the help of an assistant, lift evenly at each end of the litter top (1) until the inner slide is free of the outer slide.

B. Installation

NOTE

Make sure that the head end of the litter top is installed toward the head end of the chassis.

- (1) With the help of an assistant, position the litter top over outer slide and then, lowering evenly at each end of the litter top (1), insert the inner slide of the litter top (1) into the outer slide, and lower litter top down gently as far as it will go.
- (2) Position rod of elevation cylinder (4) on litter top (1) and secure with clevis pin (3) and rue ring (2).
- (3) Return bellows or top column cover from lowered position (Refer to para 4.3 or 4.3.1).

4.20 Siderail Removal / Installation

A. Removal

NOTE

The 511, 516, 540, and 545 siderail is shown in illustration. Removal of the 550 and 555 siderail is similar.

- (1) Lower siderail (1, Figure 4-29).
- (2) Remove four shoulder bolts (2) and bushings (3) from two upper links (4) and two lower links (5) and then remove siderail (1).

B. Installation

- (1) Coat four bushings (3) with Silicone or Teflon based lubricant.

SECTION IV MAINTENANCE/SERVICE

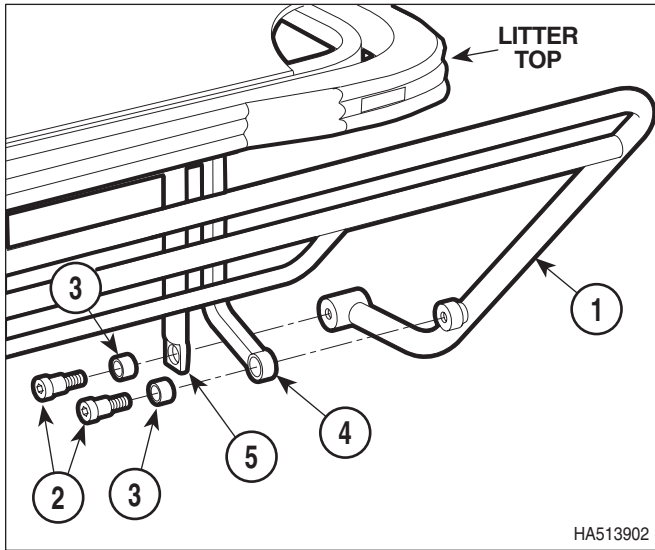


Figure 4-29. Siderail Removal / Installation

- (2) Coat threads of four shoulder bolts (2) with removable threadlocking adhesive (Loctite 242).
- (3) Install one bushing (3) in each upper link (4) and lower link (5).



EQUIPMENT ALERT

Make sure that the shoulder bolts slide into bushings perfectly when installing the shoulder bolts. Failure to do so could result in crushed bushings which will cause the siderail to be hard and noisy to operate.

- (4) Position one end of siderail (1) on lower link (5) and upper link (4) and secure with two shoulder bolts (2).
- (5) Repeat step 4 for other end of siderail (1).
- (6) Check the operation of the siderail (1).
- (7) For 550 or 555 stretchers, adjust the siderail latch (Refer to para 4.25).

4.21 511, 516, 540, and 545 Siderail Latch Adjustment

A. Adjustment



WARNING

Make sure siderail releases and latches properly after being adjusted. Make sure the 3/16 in. (0.5 cm) engagement is met. Failure to do so could result in serious personal injury or death to a patient.

NOTE

Each siderail has one latch located at the head end of the stretcher. The latches are factory set with removable threadlocking adhesive and may be difficult to adjust.

- (1) Loosen screw (1, Figure 4-30) four or five turns.

NOTE

Only coat threads of screw which will be engaged in latch block.

- (2) Coat threads of screw (1) with removable threadlocking adhesive (Loctite 242).
- (3) Turn the adjusting screw (1) into latch block (2) until the latch (3) is engaged in the bracket (4) at least 3/16 in (0.5 cm) minimum and gap between items 3 and 4 is 1/16 in. (0.16 cm) maximum.

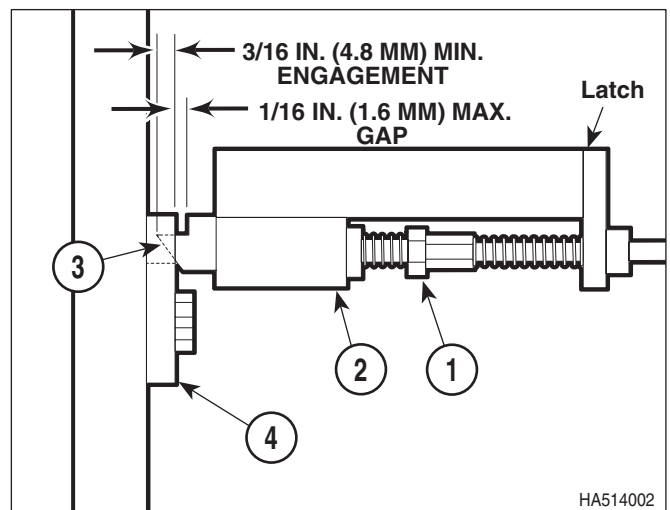


Figure 4-30. 511, 516, 540, and 545 Siderail Latch Adjustment

4.22 550 and 555 Siderail Latch Assembly Removal / Installation

A. Removal

NOTE

Each siderail has one latch located at the head end of the stretcher.

- (1) Remove screw (1, Figure 4-31), screw (2), spacer (3), and end cap (4) from siderail (5).
- (2) Remove two screws (6) securing lockout body of cable assembly (7) in siderail (5).
- (3) Push lockout body of cable assembly (7) into siderail as far as it will go.

NOTE

The following step may require the help of an assistant.

- (4) While pushing in on bolt of lockout body to relieve spring tension, simultaneously lower siderail handle (8) and pull locking ball of cable assembly (7) from socket in siderail handle.
- (5) While pulling outward on siderail handle (8) slightly to allow it to flex, pull cable assembly (7) down past siderail handle, thru the siderail (5) and remove.

B. Installation

- (1) Coat lockout body and bolt of cable assembly with White Lithium grease.
- (2) Run a thin wire, approximately 18 in. (45.7 cm) in length, thru the siderail (5). Then secure the wire to the locking ball of cable assembly (7).
- (3) While pulling outward on siderail handle (8) slightly to allow it to flex, simultaneously pull on wire to pull cable assembly (7) thru siderail (5).
- (4) While pushing in on bolt of lockout body to relieve spring tension, simultaneously lower siderail handle (8) and insert locking ball of cable assembly (7) into socket in siderail handle.
- (5) Coat threads of two screws (6) with removable threadlocking adhesive (Loctite 242).
- (6) Position lockout body of cable assembly (7) in end of siderail (5) and secure with two screws (6).
- (7) Install end cap (4) on siderail (5) and secure with spacer (3) and screws (2 and 1).
- (8) Adjust siderail latch (Refer to para 4.26).

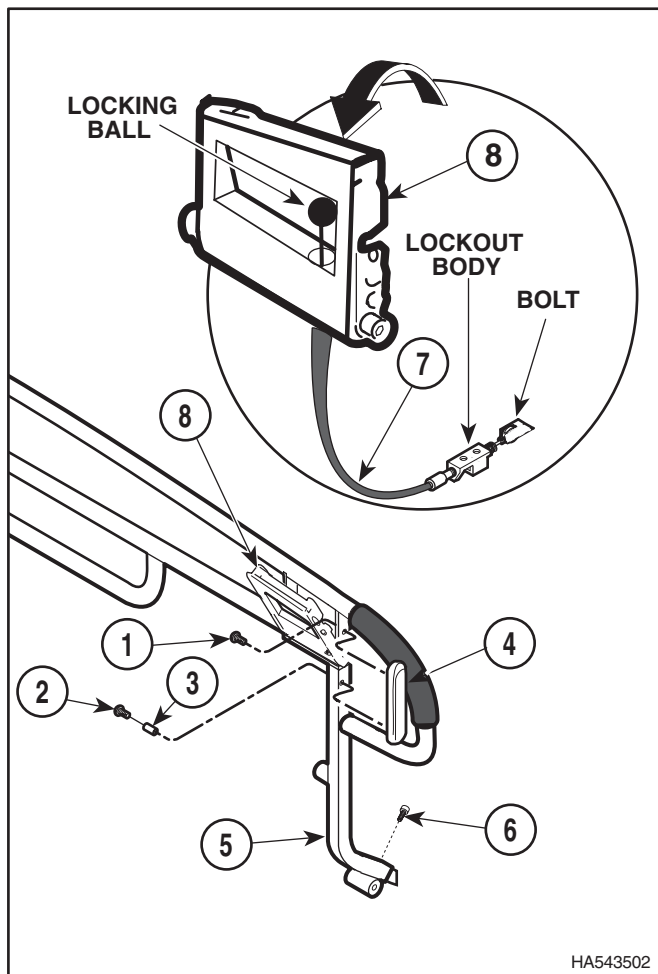


Figure 4-31. 550 and 555 Siderail Latch Assembly Removal / Installation

SECTION IV MAINTENANCE/SERVICE

4.23 550 and 555 Siderail Latch Adjustment

A. Adjustment



WARNING

Make sure siderail releases and latches properly after being adjusted. Make sure the 3/16 in. (4.8 mm) engagement is met. Failure to do so could result in serious personal injury or death to a patient.

NOTE

Each siderail has one latch located at the head end of the stretcher.

- (1) Loosen two screws (1, Figure 4-32).
- (2) Slide latch plate (2) in or out until latch bolt (3) has a minimum of 3/16 in. (4.8 mm) engagement with latch plate.
- (3) Tighten two screws (1).

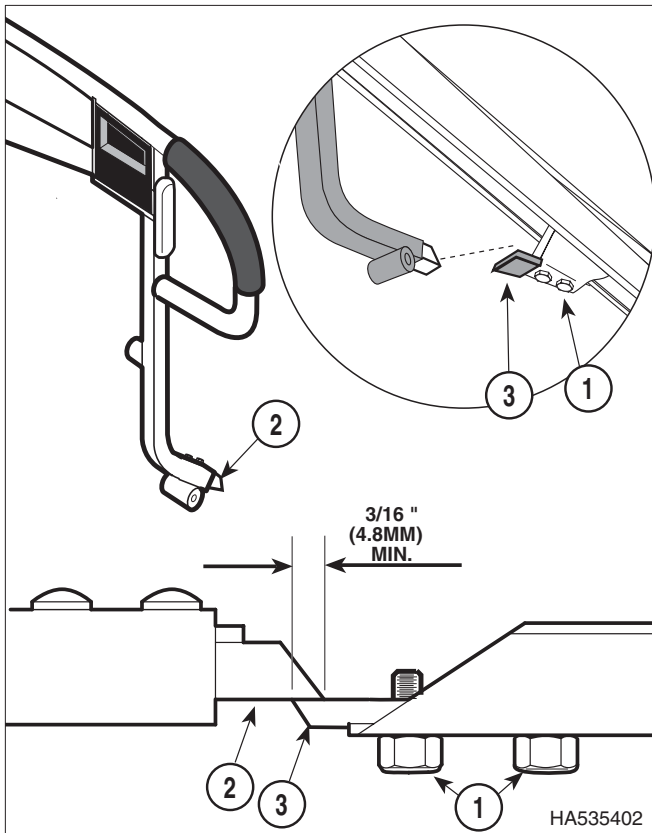


Figure 4-32. 550 and 555 Siderail Latch Adjustment

4.24 Tire Bearing Replacement / Adjustment

A. Concentric Tire Bearing Adjustment

- (1) There is no adjustment for concentric tire bearings (see letter "A" for location of concentric tire bearings). Their center spindle is concentric (round) and does not affect the tightness of the column. See Figure 4-33.

B. Eccentric Tire Bearing Replacement / Adjustment

- (1) Lower bellows or top column cover for access (Refer to para 4.3 or 4.3.1).
- (2) If necessary, remove lower cover (Refer to para 4.2).
- (3) Install any concentric tire bearings being installed before installing any eccentric bearings.
- (4) Loosen screw and rotate eccentric spindle of the eccentric tire bearing which needs adjusted (see letter "B" and "C" for location of eccentric tire bearings) in clockwise direction as viewed from outside of outer slide, until the eccentric tire bearing becomes harder to rotate (meaning the eccentric spindle in the bearing is forcing the outer race of the tire bearing against the inner slide as desired). Secure eccentric tire bearing in this position by tightening screw.
- (5) Return bellows or column covers from lowered position (Refer to para 4.3 or 4.3.1).
- (6) If removed, install lower cover (Refer to para 4.2).

SECTION IV MAINTENANCE/SERVICE

4.25 550 / 555 Trendelenburg Level Lock Adjustment

A. Adjustment

- (1) Lower bellows or top column cover for access (Refer to para 4.3 or 4.3.1).
- (2) Tighten or loosen nut (1, Figure 4-34) until end of lockout bolt (2) is 1/4 in. (6.3 mm) from sleeve (3).
- (3) Loosen two screws (4); then slide lockout strike (5) in or out until it has a minimum engagement of 3/16 in. (4.8 mm) with lockout bolt (2).

NOTE

Lockout bolt only releases from lockout strike when Trendelenburg handle is pushed downward. When Trendelenburg handle is squeezed, nothing happens.

- (4) If lockout bolt is not releasing from lockout strike properly when Trendelenburg handle is pushed downward, tighten nut (6) a few turns. Repeat step until lockout bolt is releasing properly.

If lockout bolt is releasing from lockout bolt too easily, loosen nut (6) a few turns. Repeat step until lockout bolt is releasing properly.

- (5) Return bellows or top column cover from lowered position (Refer to para 4.3 or 4.3.1).

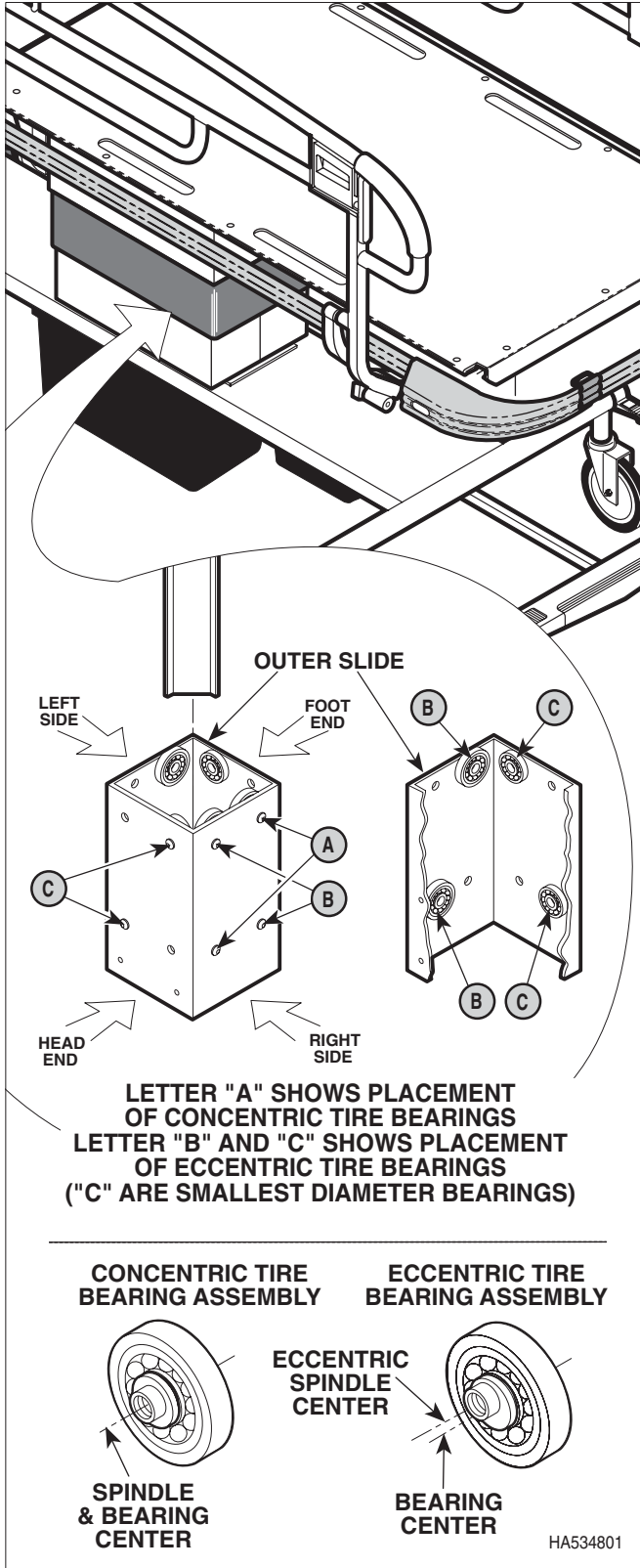


Figure 4-33. Tire Bearing Adjustment

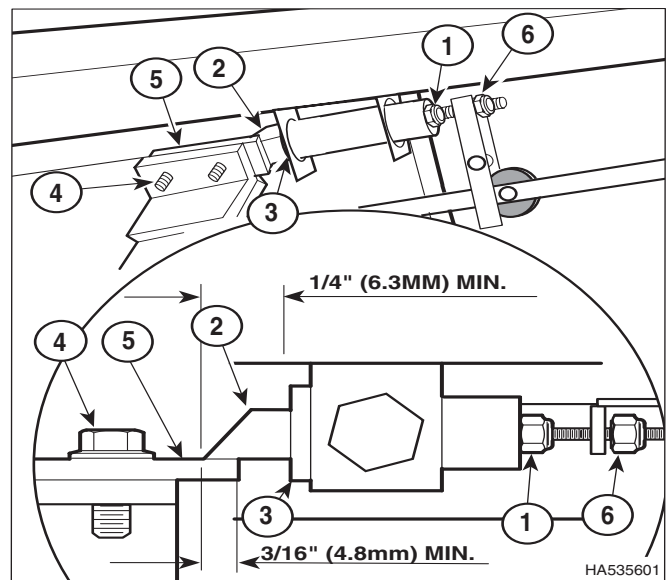


Figure 4-34. Trendelenburg Level Lock Adjustment

SECTION V SCHEMATICS AND DIAGRAMS

SECTION V SCHEMATICS AND DIAGRAMS

5.1 Hydraulic Flow Diagram

Figure 5-1, sheets 1 thru 3, illustrates the flow of oil

through the pump assembly and elevation cylinder during the different phases of raising or lowering the litter top.

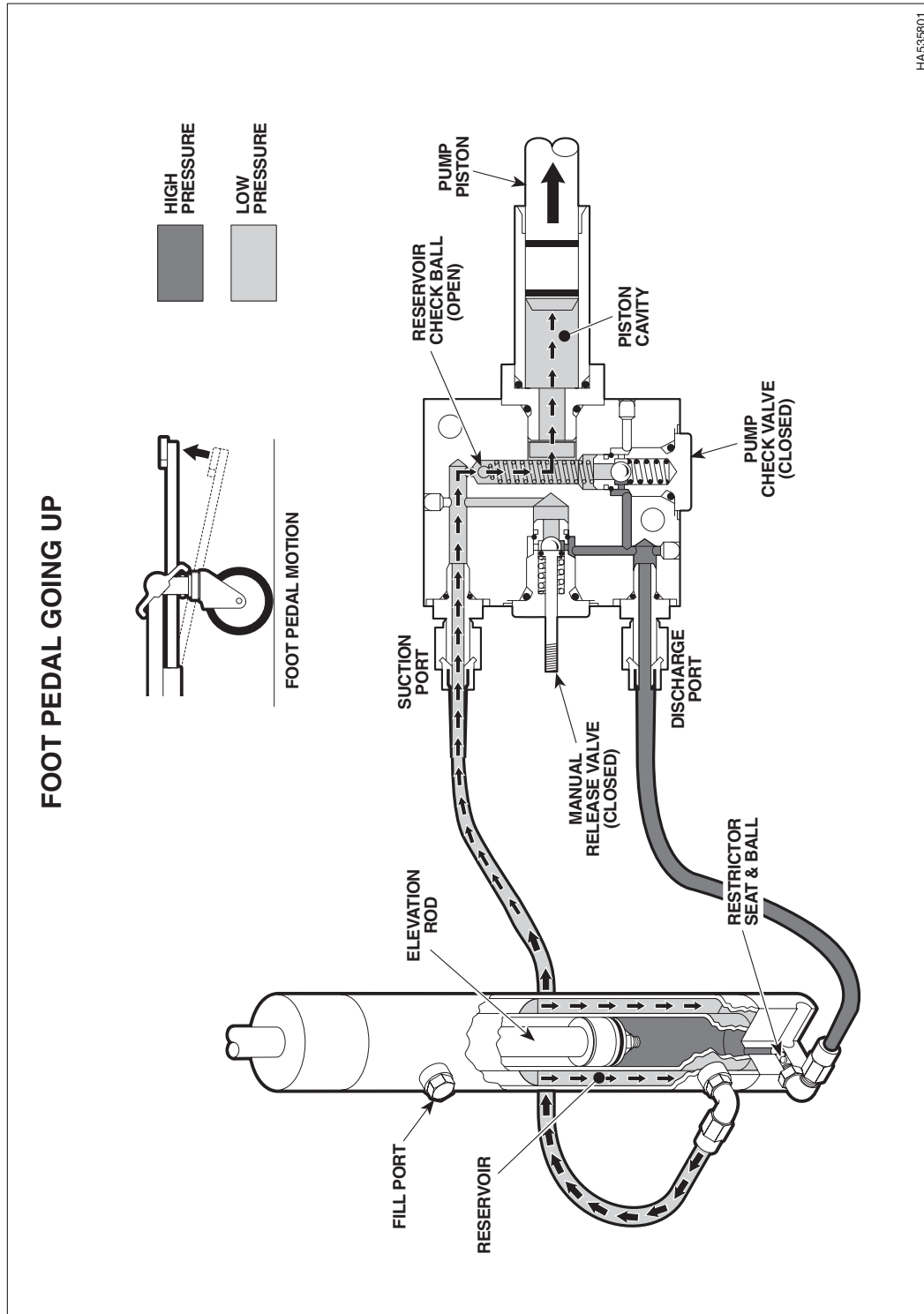


Figure 5-1. Hydraulic Flow Diagram (Sheet 1 of 3)

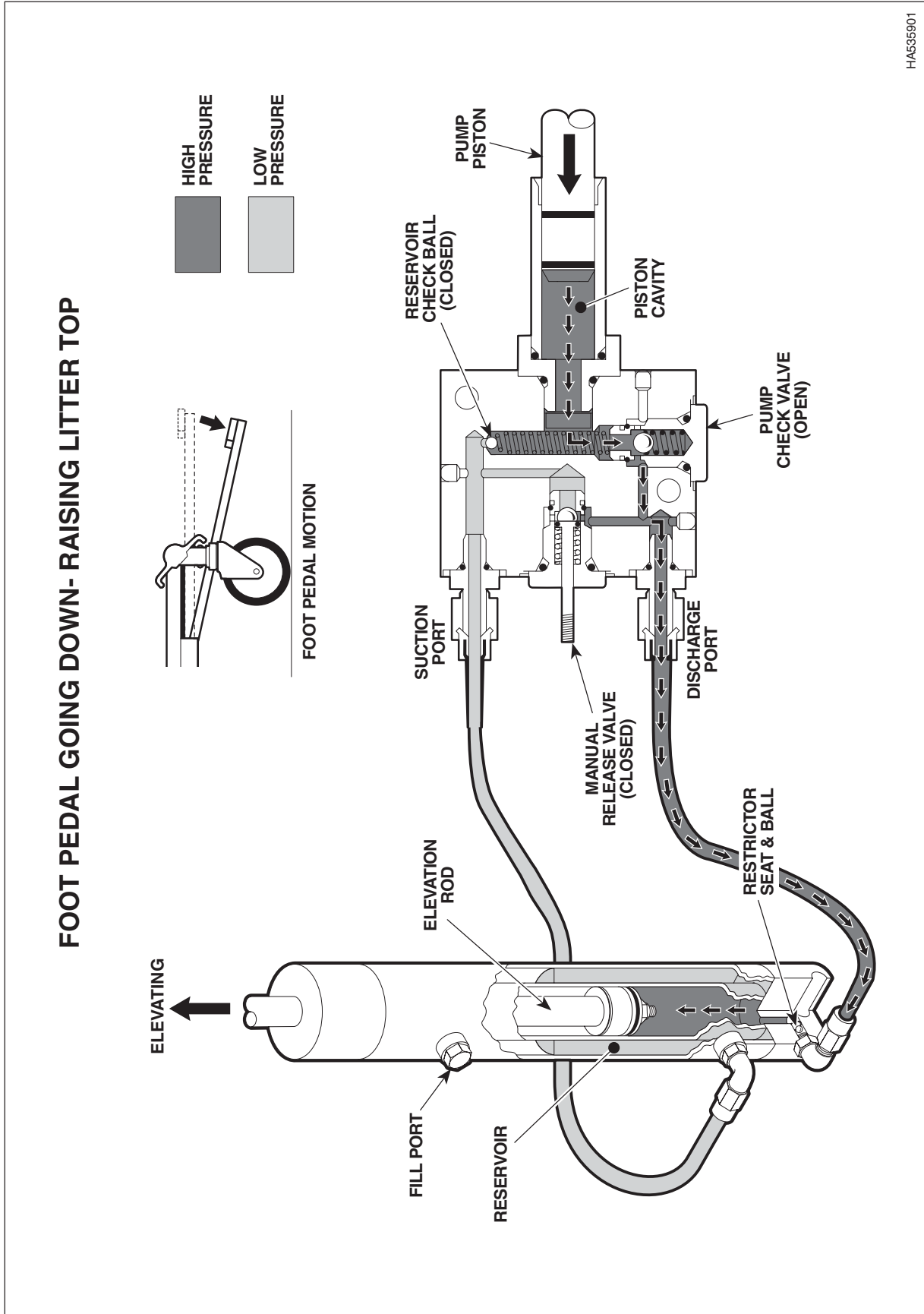


Figure 5-1. Hydraulic Flow Diagram (Sheet 2 of 3)

SECTION V SCHEMATICS AND DIAGRAMS

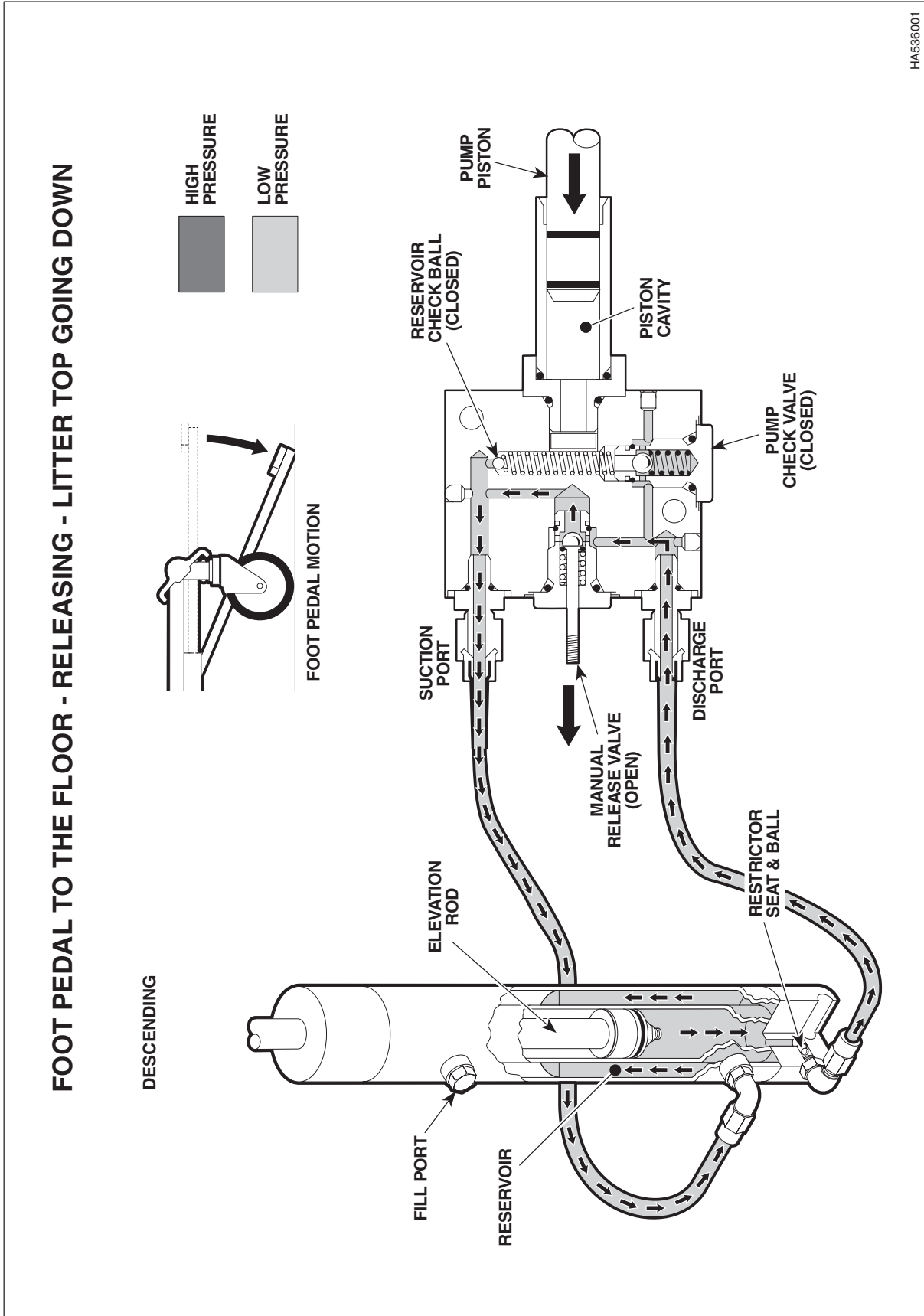


Figure 5-1. Hydraulic Flow Diagram (Sheet 3 of 3)

SECTION VI PARTS LIST

6.1 Introduction

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

The parts list also illustrates disassembly and assembly relationships of parts.

6.2 Description of Columns

The *Item* column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The *Part No.* column lists the Pedigo part number for that component.

The *Description* column provides a physical description of the component.

The *Qty.* column lists the number of units of a particular component that is required for the subassembly. The letters "AR" denote "as required" when quantities of a particular component cannot be determined, such as: adhesive.

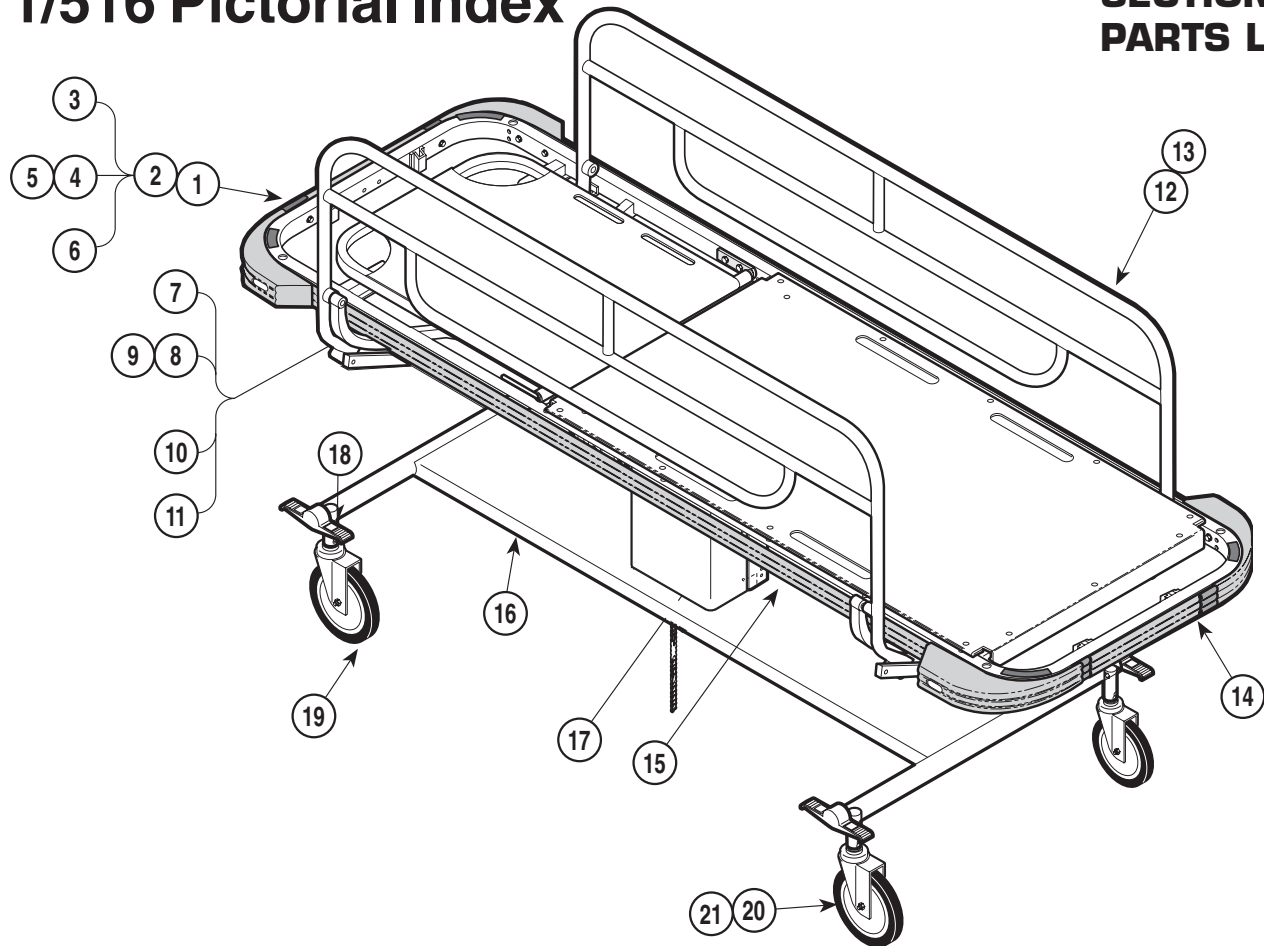
Bullets [•] in the *Part No.* column and the *Description* column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

6.3 Torque Specifications and Important Assembly Notes

When specific assembly torque specifications, measurements, or procedures have been identified, by our engineering department, as required to assure proper function of the unit, those torque specifications measurements, and procedures will be noted on the parts illustrations. Adherence to these requirements is essential.

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SECTION VI PARTS LIST



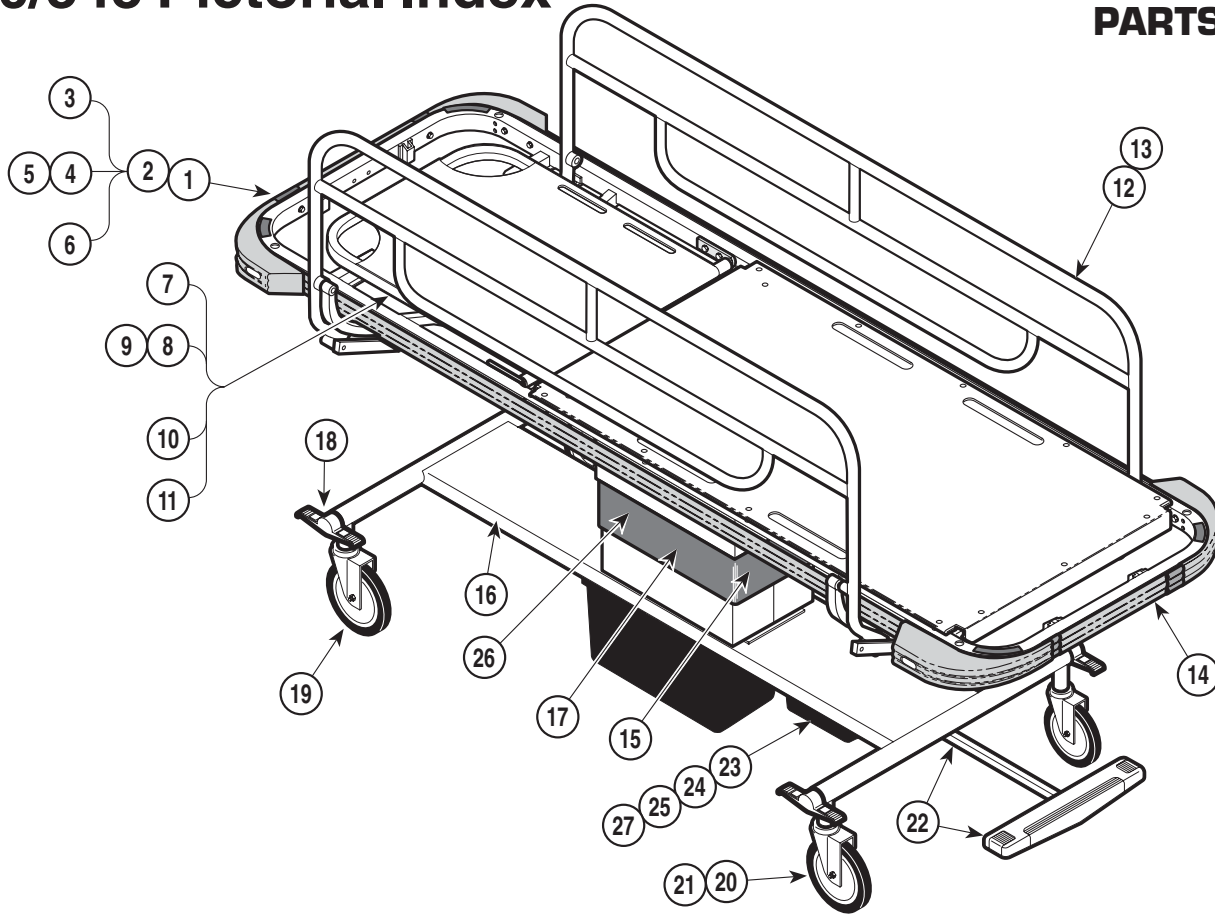
HA553103

Item	Part No.	Description	Page	Item	Part No.	Description	Page
		511/516 Stretcher					
1	•	• Labels and Decals	6-5				
2	•	• Litter Frame Assembly	6-6				
		LITTER TOP OPTIONS (3, 4 or 6)					
3	•	• Standard Litter Top (511/516)	6-7	28	•	• Standard Height Descent Control	5941
4	•	• Knee Flex Litter Top (511/516)	6-8	29	•	• Mattresses	
5	••	•• Knee Flex Crank Assembly	6-9	30	•	• Wire Baskets and Shelf	59158
6	••	•• X-Ray Litter Top (540 Only)	6-10	32	•	• Restraint Straps	5904
		FOWLER OPTIONS (7, 8, 10 or 11)		34	•	• Paper Roll Holder Kit	5966
7	••	•• Manual Fowler Comp.	6-11	35	•	• Chart Holder Assembly	5967
8	••	•• Pneumatic Fowler Comp.	6-12	36	•	• I.V. Pole	2101
9	••	•• Fowler Actuator Assembly	6-13	37	•	• 7/8" Adjustable I.V. Pole	5984
10	••	•• Total X-Ray Fowler Comp. (511) ...	6-14	38	•	• Storage Tube with Cable	5983
11	••	•• Partial X-Ray Fowler Comp.	6-15	39	•	• Easiloc I.V. Assembly with Bracket	5991
12	••	•• Siderail and Linkage Comp.	6-16	40	•	• Fold Down I.V. Assembly	59175
13	•	• Siderail Latch Components	6-17	41	•	• Vertical Oxygen Tank Holder	5981
14	••	•• Trendelenburg Handle Comp.	6-21	43	•	• Push/Pull Bar Assembly	5985
15	••	•• Trendelenburg Actuator Comp.	6-23	44	•	• Crutch/Stirrup Adapter Assembly ...	5994
16	•	• Chassis Components	6-25	45	•	• Head/Foot Extension	5996
17	••	•• Elevation Column Assembly	NA	46	•	• Stirrup Set	59100
18	••	•• Caster Linkage Components	6-27	47	•	• Foot/Monitor Board (Narrow)	59115
19	••	•• Caster Assembly	6-28			• Foot/Monitor Board (Wide)	59116
		STEERING OPTIONS (20 or 21)		48	•	• 3" Arm Board Assembly	59121
20	••	•• True Direction Steering System	6-29	49	•	• 4" Arm Board Assembly	59122
21	••	•• Rite Trac Steering System	6-30	52	•	• Knee Crutch Assembly	5911
				54	•	• I.V. Caddy	59163
				55	•	• Siderail Pad	5701
						• Headend Trendelenburg	59164

Always Specify Model & Serial Number

540/545 Pictorial Index

SECTION VI PARTS LIST



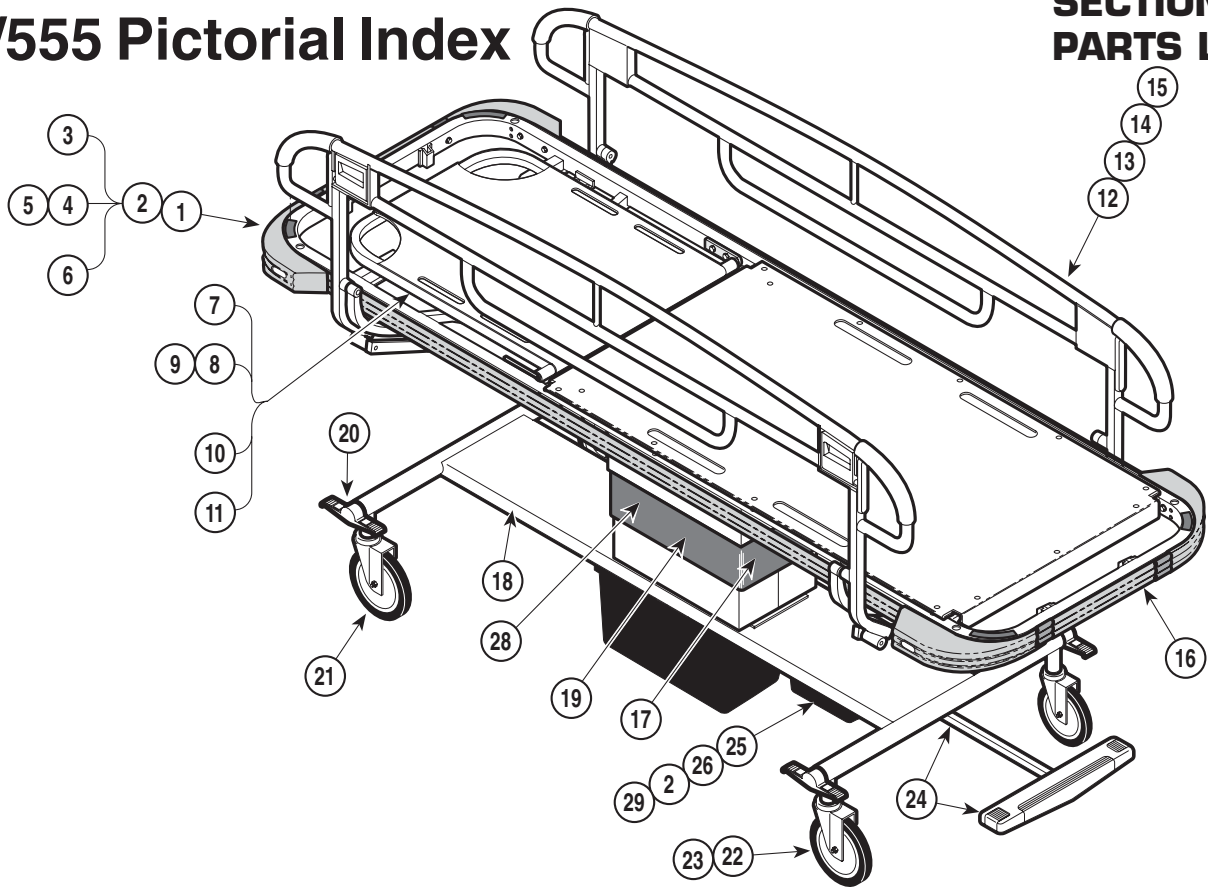
HA553100

Item	Part No.	Description	Page	Item	Part No.	Description	Page
		540/545 Stretcher				OPTIONAL ACCESSORIES	
1	•	• Labels and Decals	6-5			Refer to HOSPITAL ACCESSORY BOOK (004-0025-00)	
2	•	• Litter Frame Assembly	6-6	28	•	• Standard Height Descent Control	5941
3	•	LITTER TOP OPTIONS (3, 4 or 6)		29	•	• Mattresses	
4	•	• Standard Litter Top (540/545)	6-7	30	•	• Wire Baskets and Shelf	59158
5	••	• Knee Flex Litter Top (540/545)	6-8	32	•	• Restraint Straps	5904
6	•	• Knee Flex Crank Assembly	6-9	34	•	• Paper Roll Holder Kit	5966
		• X-Ray Litter Top (540 Only)	6-10	35	•	• Chart Holder Assembly	5967
		FOWLER OPTIONS (7, 8, 10 or 11)		36	•	• I.V. Pole	2101
7	••	•• Manual Fowler Comp.	6-11	37	•	• 7/8" Adjustable I.V. Pole	5984
8	••	•• Pneumatic Fowler Comp.	6-12	38	•	• Storage Tube with Cable	5983
9	••	•• Fowler Actuator Assembly	6-13	39	•	• Easiloc I.V. Assembly with Bracket	5991
10	••	•• Total X-Ray Fowler Comp.	6-14	40	•	• Fold Down I.V. Assembly	59175
11	••	•• Partial X-Ray Fowler Comp.	6-15	41	•	• Vertical Oxygen Tank Holder	5981
12	•	• Siderail and Linkage Comp.	6-16	43	•	• Push/Pull Bar Assembly	5985
13	•	• Siderail Latch Components	6-17	44	•	• Crutch/Stirrup Adapter Assembly ...	5994
14	••	•• Trendelenburg Handle Comp.	6-21	45	•	• Head/Foot Extension	5996
15	••	•• Trendelenburg Actuator Comp.	6-23	46	•	• Stirrup Set	59100
16	••	•• Chassis Components	6-24	47	•	• Foot/Monitor Board (Narrow)	59115
17	••	•• Elevation Column Assembly	6-26			• Foot/Monitor Board (Wide)	59116
18	••	•• Caster Linkage Components	6-27	48	•	• 3" Arm Board Assembly	59121
19	••	•• Caster Assembly	6-28	49	•	• 4" Arm Board Assembly	59122
		STEERING OPTIONS (20 or 21)		52	•	• Knee Crutch Assembly	5911
20	••	•• True Direction Steering System	6-29	54	•	• I.V. Caddy	59163
21	••	•• Rite Trac Steering System	6-30	55	•	• Siderail Pad	5701
22	••	•• Hydraulic Linkage Components	6-31			• Headend Trendelenburg	59164
		HYDRAULIC OPTIONS (23, 24 or 25)					
23	•	• Single Pump System	6-32				
24	•	• Dual Pump (True Direction Steer) ...	6-33				
25	•	• Dual Pump (Rite Trac Steer)	6-34				
26	••	•• Elevation Cylinder Assembly	6-35				
27	••	•• Elevation Pump Assembly	6-36				

Always Specify Model & Serial Number

SECTION VI PARTS LIST

550/555 Pictorial Index



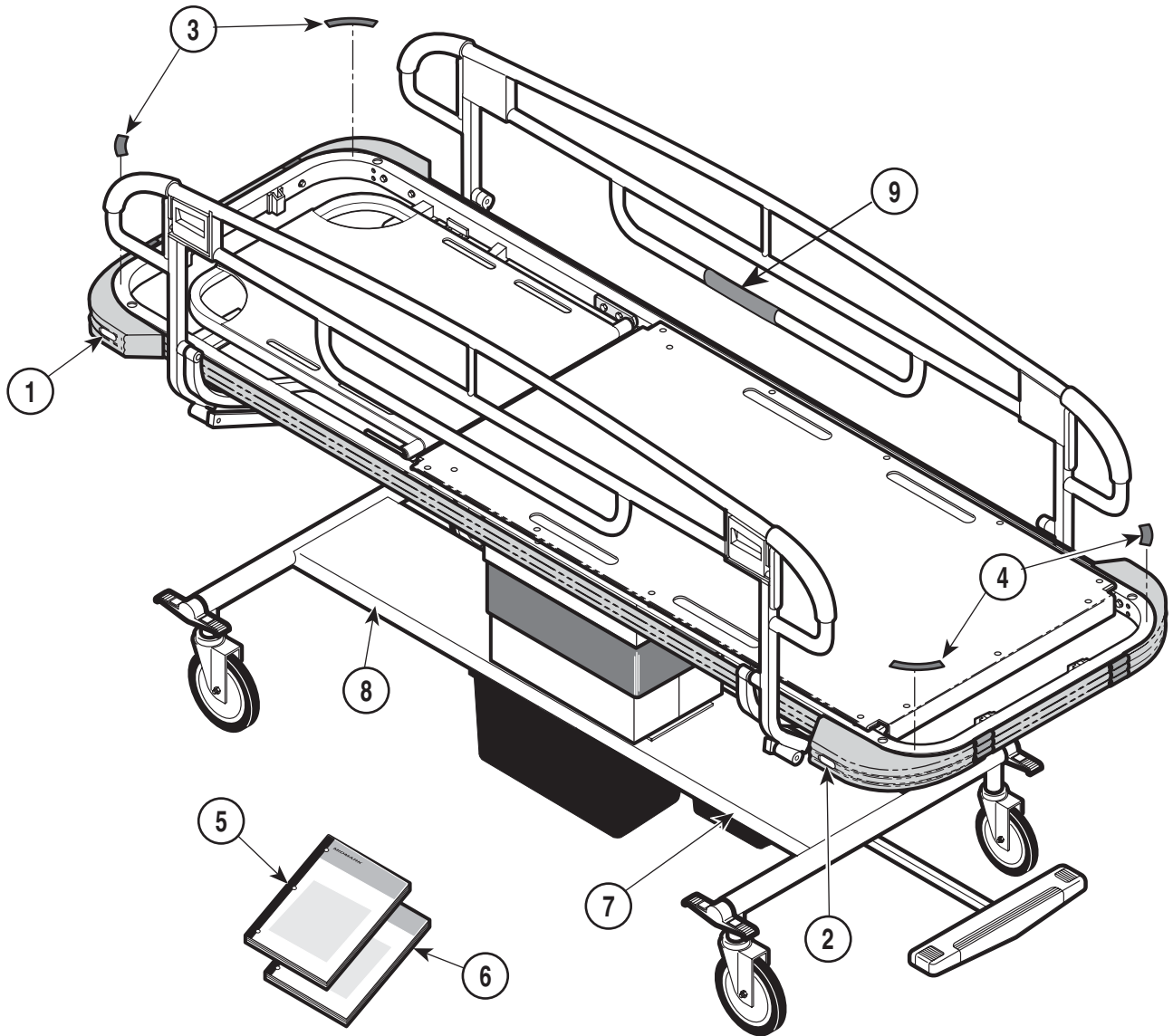
HA553000

Item	Part No.	Description	Page	Item	Part No.	Description	Page
		550/555 Stretcher				OPTIONAL ACCESSORIES	
1	•	• Labels and Decals	6-5			Refer to HOSPITAL ACCESSORY BOOK (004-0025-00)	
2	•	• Litter Frame Assembly	6-6	30	•	• Standard Height Descent Control	5941
		LITTER TOP OPTIONS (3, 4 or 6)		31	•	• Mattresses	
3	•	• Standard Litter Top (550/555)	6-7	32	•	• Wire Baskets and Shelf	59158
4	••	•• Knee Flex Litter Top (550/555)	6-8	34	•	• Restraint Straps	5903/5904
5	•	• Knee Flex Crank Assembly	6-9	35	•	• Paper Roll Holder Kit	5966
6	•	• X-Ray Litter Top (550 Only)	6-10	36	•	• Chart Holder Assembly	5967
		FOWLER OPTIONS (7, 8, 10 or 11)		37	•	• I.V. Pole	2101
7	••	•• Manual Fowler Comp.	6-11	38	•	• 7/8" Adjustable I.V. Pole	5984
8	••	•• Pneumatic Fowler Comp.	6-12	39	•	• Storage Tube with Cable	5983
9	••	•• Fowler Actuator Assembly	6-13	40	•	• Easiloc I.V. Assembly w/Bracket	5991
10	••	•• Total X-Ray Fowler Comp.	6-14	41	•	• Fold Down I.V. Assembly	59175
11	••	•• Partial X-Ray Fowler Comp.	6-15	42	•	• Vertical Oxygen Tank Holder	5981
12	•	• Siderail and Linkage Comp.	6-16	44	•	• Push/Pull Bar Assembly	5985
13	•	• Siderail Components	6-18	45	•	• Crutch/Stirrup Adapter Assembly	5994
14	••	•• Siderail Latch Components	6-19	46	•	• Head/Foot Extension	5996
15	••	•• Siderail Counter Balance Comp. ...	6-20	47	•	• Stirrup Set	59100
16	••	•• Trendelenburg Handle Comp.	6-21	48	•	• Foot/Monitor Board (Narrow)	59115
17	••	•• Trendelenburg Actuator Comp.	6-22			• Foot/Monitor Board (Wide)	59116
18	••	•• Chassis Components	6-23	49	•	• Arm Board Assembly (3")	59121
19	••	•• Elevation Column Assembly	6-24	50	•	• Arm Board Assembly (4")	59122
20	••	•• Caster Linkage Components	6-25			• Knee Crutch Assembly	5911
21	••	•• Caster Assembly	6-26	53	•	• I.V. Caddy	59163
		STEERING OPTIONS (22 or 23)		55	•	• Siderail Pad	5716
22	••	•• True Direction Steering System	6-27	56	•	• Headend Trendelenburg	59164
23	••	•• Rite Trac Steering System	6-28				
24	••	•• Hydraulic Linkage Components	6-29				
		HYDRAULIC OPTIONS (25, 26 or 27)					
25	•	• Single Pump System	6-30				
26	•	• Dual Pump (True Direction Steer) ...	6-31				
27	•	• Dual Pump (Rite Trac Steer)	6-32				
28	••	•• Elevation Cylinder Assembly	6-33				
29	••	•• Elevation Pump Assembly	6-34				

Always Specify Model & Serial Number

Labels and Decals

SECTION VI PARTS LIST



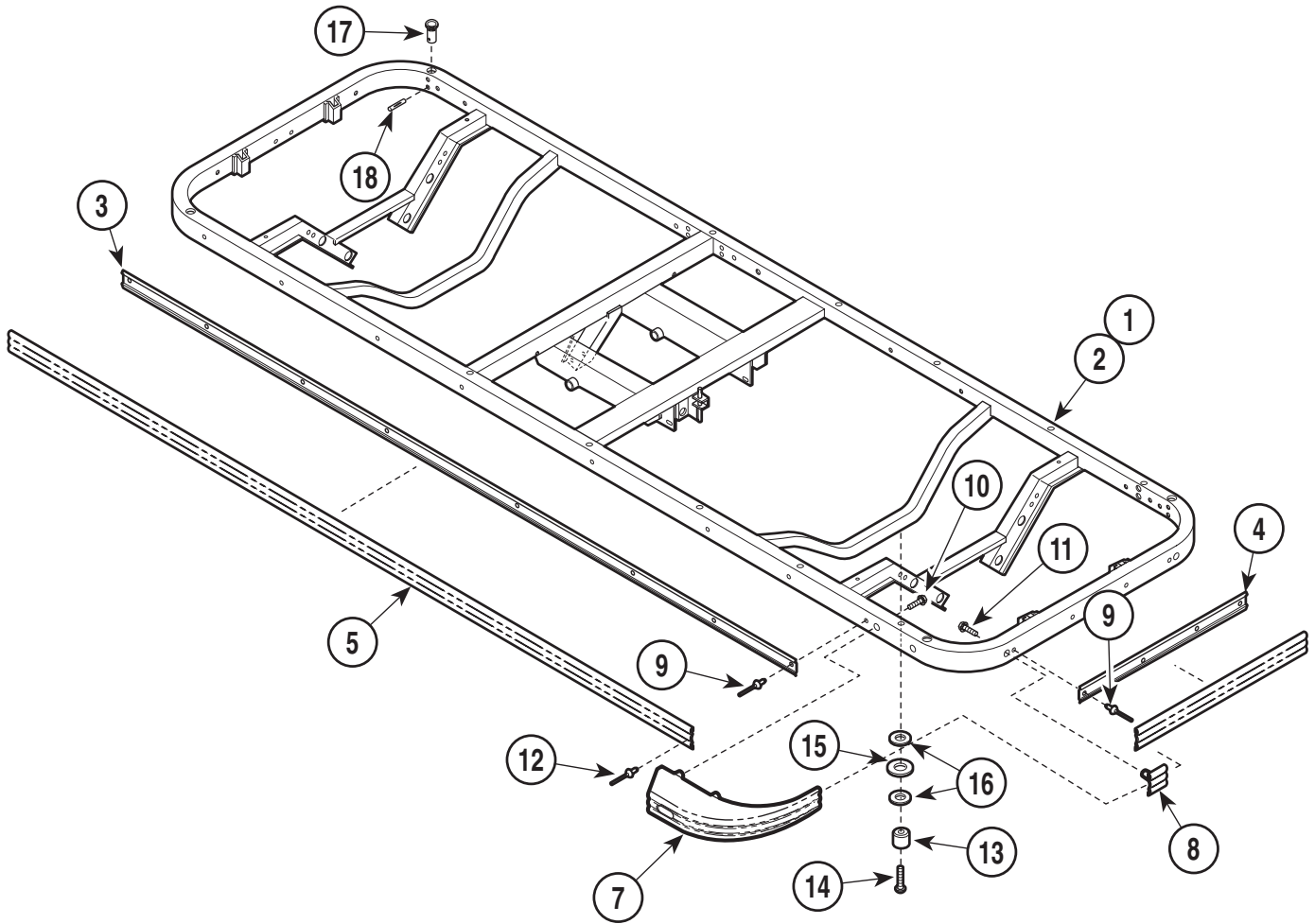
HA544003

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	561-0383-00	Stretcher Label Set (Includes Items 1 thru 4)			561-0013-14	550 Label	2
•1		•Head Decal	2		561-0013-15	555 Label	2
•2		•Foot Decal	2		561-0013-18	511 Label	2
•3		•Trendelenburg Decal	2		561-0013-19	516 Label	2
•4		•Fowler Decal	2	8	561-0258-00	Recovery Graphics	
		•Fluid Label (not shown)	1		561-0257-00	Emergency Graphics	1
5	503-0271-00	540/545 I/O Manual		9	561-0380-00	Siderail Release Label	Ref
	503-0259-00	550/555 I/O Manual		10		Serial Number Label (Not Shown)	Ref
	503-0303-00	511/516 I/O Manual	1	11	561-0045-00	X-Ray Certification Label	Ref
6	503-0268-00	Service and Parts Manual	Ref				
7	561-0013-16	540 Label	2				
	561-0013-17	545 Label	2				

Always Specify Model & Serial Number

Litter Frame Assembly

SECTION VI PARTS LIST



HA553200

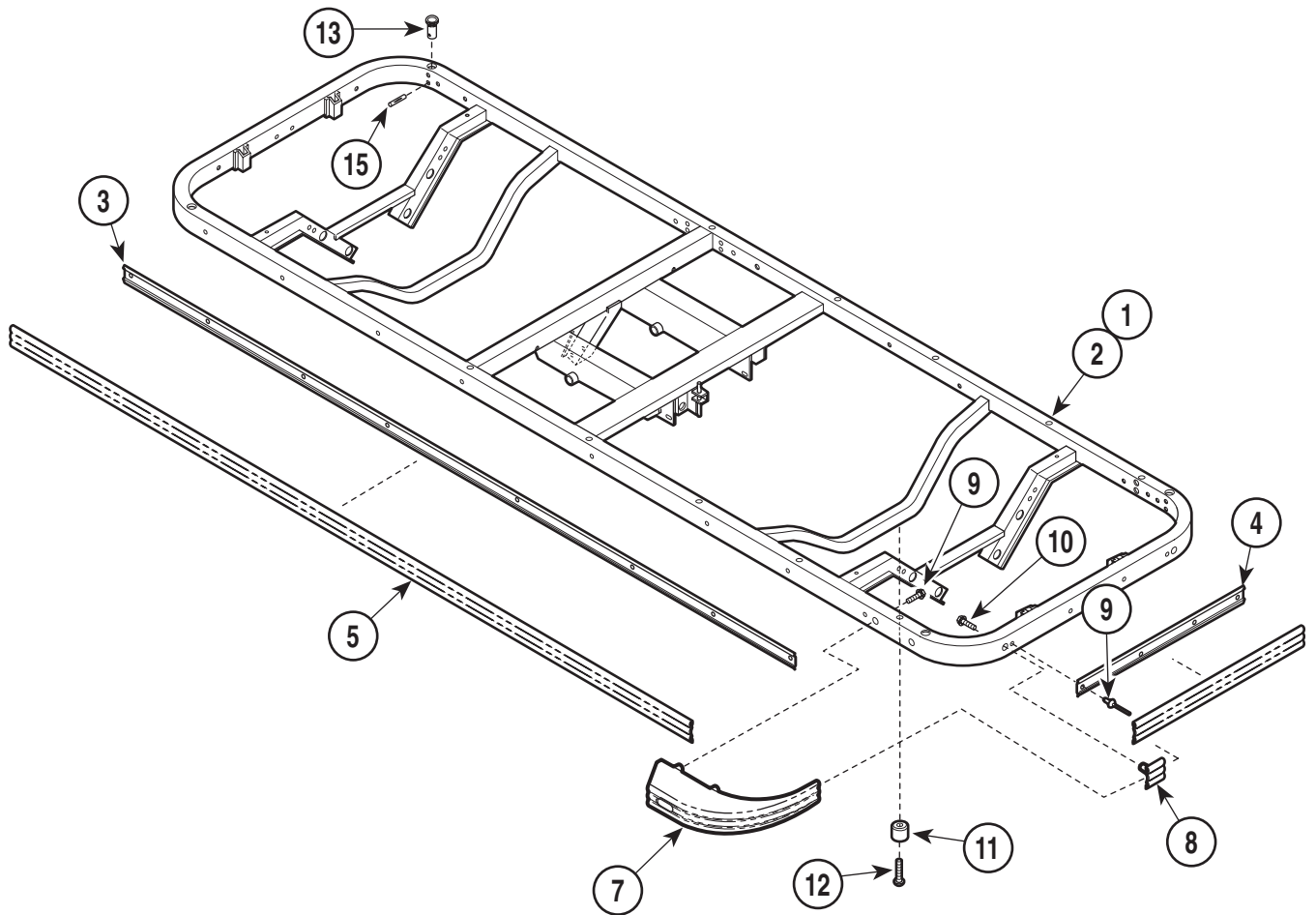
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1504 **TEH-1000 thru TEH-1146**
TEW-1000 thru TEW-1344 **TEX-1000 thru TEX-1128**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59149001	Litter Frame Assembly [Narrow] Red (Includes Items 2 thru 12)	1	7	• 553-0359-00	• Bumper Red	
	59150001	Litter Frame Assembly [Narrow] Teal (Includes Items 2 thru 12)	1		• 553-0359-01	• Bumper Teal	
	59151001	Litter Frame Assembly [Narrow] Grey (Includes Items 2 thru 12)	1	8	• 553-0359-02	• Bumper Grey	4
	59142001	Litter Frame Assembly [Wide] Red (Includes Items 2 thru 12)	1		• 553-0358-00	• Bumper Cap Red	
	59153001	Litter Frame Assembly [Wide] Teal (Includes Items 2 thru 12)	1		• 553-0358-01	• Bumper Cap Teal	
	59154001	Litter Frame Assembly [Wide] Grey (Includes Items 2 thru 12)	1		• 553-0358-02	• Bumper Cap Grey	4
2	• 530-0844-10	• Litter Frame (Narrow)		9	• 042-0010-23	• Pop Rivet	26
	• 530-0867-10	• Litter Frame (Wide)	1	10	• 040-0250-138	• Screw	8
3	• 521-0075-02	• Side Extrusion	2	11	• 040-0250-122	• Screw	4
4	• 521-0075-00	• End Extrusion (Narrow)		12	• 042-0010-12	• Pop Rivet	10
	• 521-0075-01	• End Extrusion (Wide)	2	13	553-0065-00	Bumper	4
5	• 553-0365-01	• Bumper Red		14	040-0010-116	Screw	4
	• 553-0365-02	• Bumper Teal		15	016-0138-06	Spacer	4
	• 553-0365-03	• Bumper Grey	2	16	053-0110-09	Spacer	8
				17	552-0792-00	I.V. Socket	4
				18	042-0011-07	Spirol Pin	4

Always Specify Model & Serial Number

Litter Frame Assembly

SECTION VI PARTS LIST



HA553205

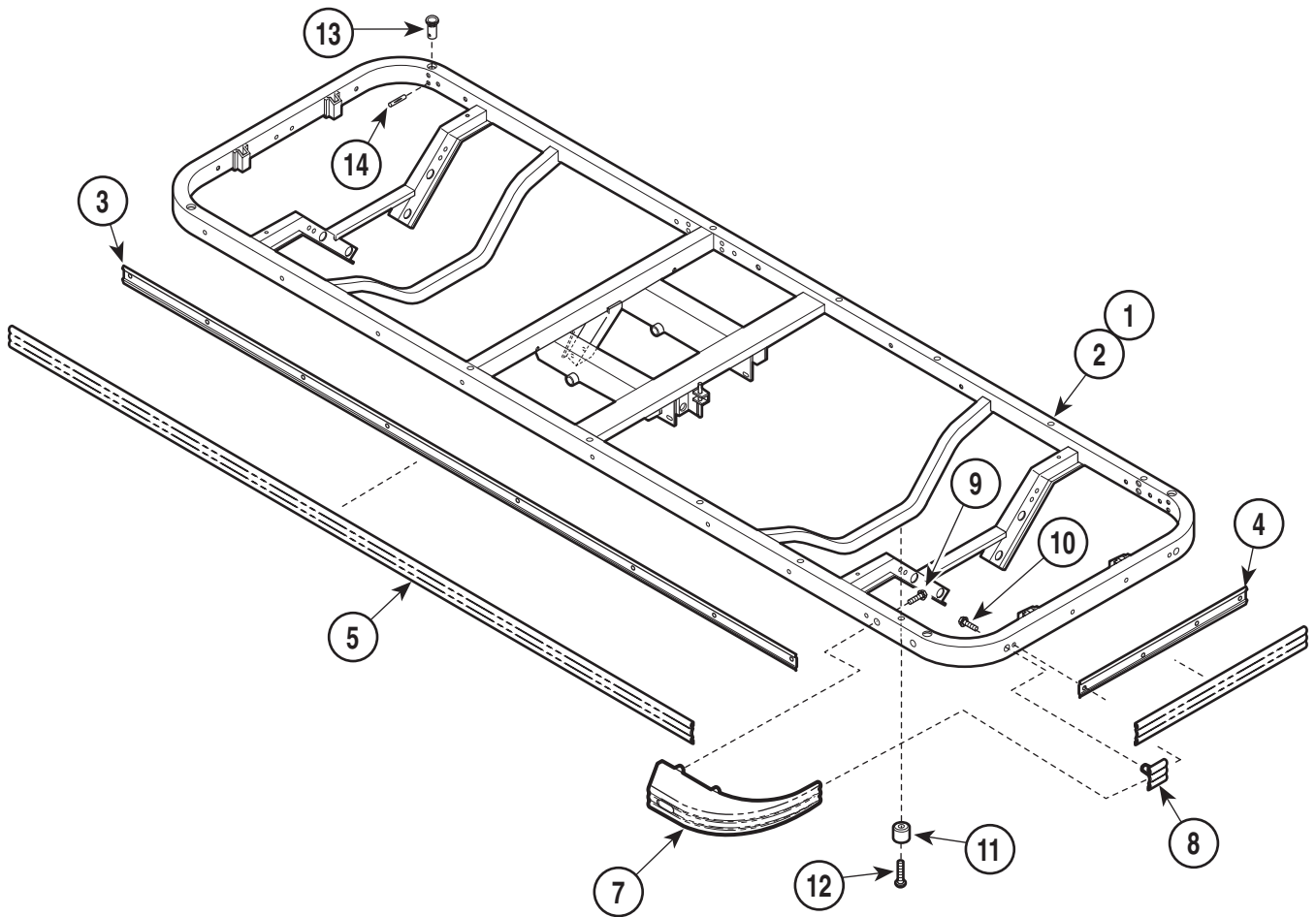
Used on Units with Serial Numbers:
TEG-1502 thru TEG-2006 **TEH-1147 thru TEH-1333**
TEW-1345 thru TEW-2643 **TEX-1128 thru TEX-1627**
TEZ- 1000 thru TEZ-1149 **TFA-1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59149001	Litter Frame Assembly [Narrow] Red (Includes Items 2 thru 12)	1	7	• 553-0359-00	• Bumper Red	
	59150001	Litter Frame Assembly [Narrow] Teal (Includes Items 2 thru 12)	1		• 553-0359-01	• Bumper Teal	
	59151001	Litter Frame Assembly [Narrow] Grey (Includes Items 2 thru 12)	1		• 553-0359-02	• Bumper Grey	4
	59142001	Litter Frame Assembly [Wide] Red (Includes Items 2 thru 12)	1	8	• 553-0358-00	• Bumper Cap Red	
	59153001	Litter Frame Assembly [Wide] Teal (Includes Items 2 thru 12)	1		• 553-0358-01	• Bumper Cap Teal	
	59154001	Litter Frame Assembly [Wide] Grey (Includes Items 2 thru 12)	1		• 553-0358-02	• Bumper Cap Grey	4
2	• 530-0993-10	• Litter Frame (Narrow)		9	• 040-0250-138	• Screw	8
	• 530-0994-10	• Litter Frame (Wide)	1	10	• 040-0250-122	• Screw	4
3	• 521-0075-02	• Side Extrusion	2	11	016-0523-01	Bumper	4
4	• 521-0075-00	• End Extrusion (Narrow)		12	040-0010-45	Screw	4
	• 521-0075-01	• End Extrusion (Wide)	2	13	552-0792-00	I.V. Socket	4
5	• 553-0365-01	• Bumper Red		14	042-0011-07	Spirol Pin	4
	• 553-0365-02	• Bumper Teal				Apply super glue in place of pop rivets	
	• 553-0365-03	• Bumper Grey	2				

Always Specify Model & Serial Number

Litter Frame Assembly

SECTION VI PARTS LIST



HA553206

Used on Units with Serial Numbers: TEG -2007 thru Present, TEH-1334 thru Present, TEW-2644 thru Present, TEX-1628 thru Present, TEZ- 1150 thru Present, TFA-1065- thru Present

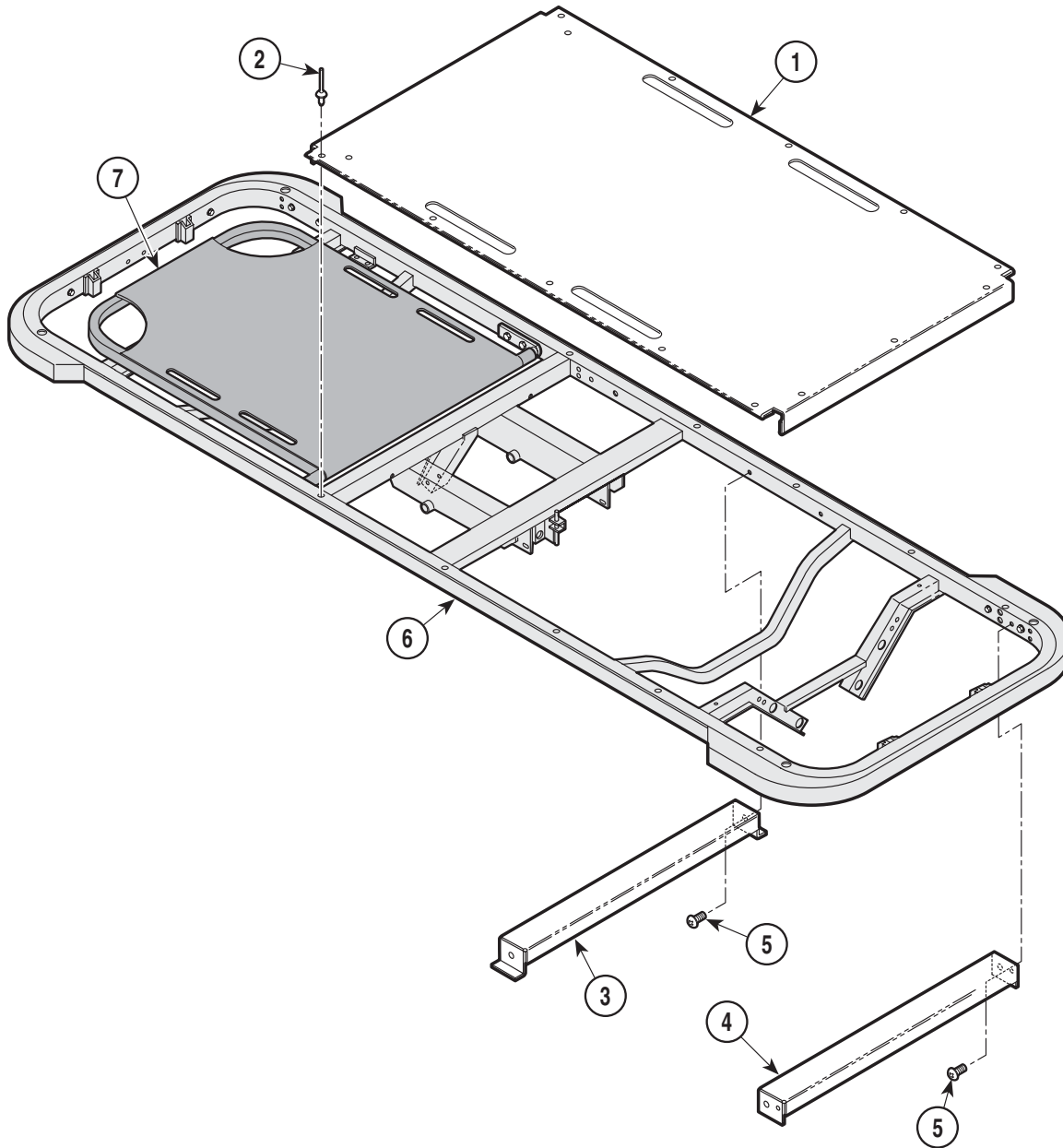
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59149001	Litter Frame Assembly [Narrow] Red (Includes Items 3 thru 10)	1	5	• 553-0365-01	• Side Bumper Red	2
	59150001	Litter Frame Assembly [Narrow] Teal (Includes Items 3 thru 10)	1		• 553-0365-02	• Side Bumper Teal	2
	59151001	Litter Frame Assembly [Narrow] Grey (Includes Items 3 thru 10)	1		• 553-0365-03	• Side Bumper Grey	2
	59142001	Litter Frame Assembly [Wide] Red (Includes Items 3 thru 10)	1	7	• 553-0359-00	• End Bumper Red	4
	59153001	Litter Frame Assembly [Wide] Teal (Includes Items 3 thru 10)	1		• 553-0359-01	• End Bumper Teal	4
	59154001	Litter Frame Assembly [Wide] Grey (Includes Items 3 thru 10)	1		• 553-0359-02	• End Bumper Grey	4
2	• 530-1223-10	• Litter Frame (550)		8	• 553-0358-00	• Bumper Cap Red	
	• 530-1224-10	• Litter Frame (555)			• 553-0358-01	• Bumper Cap Teal	
	• 530-1223-10	• Litter Frame (540)			• 553-0358-02	• Bumper Cap Grey	4
	• 530-1224-10	• Litter Frame (545)		9	• 040-0250-138	• Screw	8
	• 530-1039-10	• Litter Frame (511)		10	• 040-0250-122	• Screw	4
	• 530-1040-10	• Litter Frame (516)		11	016-0523-01	Bumper	2
3	• 521-0075-02	• Side Extrusion	2	12	040-0010-07	Screw	2
4	• 521-0075-00	• End Extrusion (Narrow)		13	552-0879-00	I.V. Socket	4
	• 521-0075-01	• End Extrusion (Wide)	2	14	042-0011-07	Spirol Pin	4

Apply super glue in place of pop rivets

Always Specify Model & Serial Number

Standard Litter Top

SECTION VI PARTS LIST



HA543200

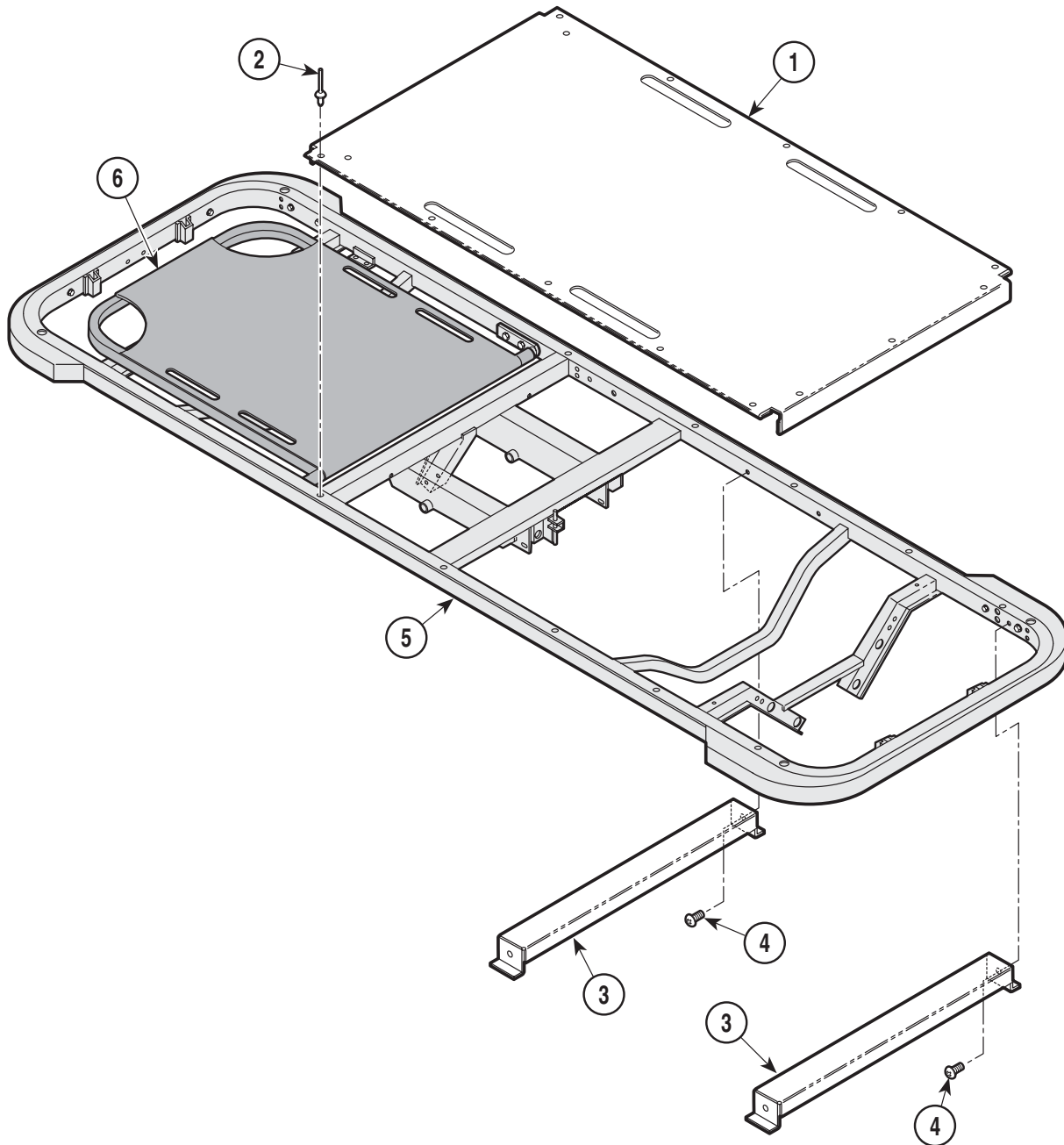
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1501 **TEH-1000 thru TEH-1146**
TEW-1000 thru TEW-1344 **TEX-1000 thru TEX-1127**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	550-0777-10	Full Skin (Narrow)	1	5	040-0250-83	Screw	4
	550-0777-11	Full Skin (Wide)	1	6		Litter Frame (Refer to "Litter Frame	
2	042-0010-23	Pop Rivets	13			Assembly" Elsewhere)	Ref
3	550-0773-10	Litter Cross Brace (Narrow)	1	7		Fowler Components (Refer to "Manual	
	550-0773-11	Litter Cross Brace (Wide)	1			Fowler Components", "Pneumatic Fowler	
4	550-0309-10	Skin Support (Narrow)	1			Components" or "Partial X-Ray Fowler	
	550-0309-11	Skin Support (Wide)	1			Components" Elsewhere)	Ref

Always Specify Model & Serial Number

Standard Litter Top

SECTION VI PARTS LIST



HA543201

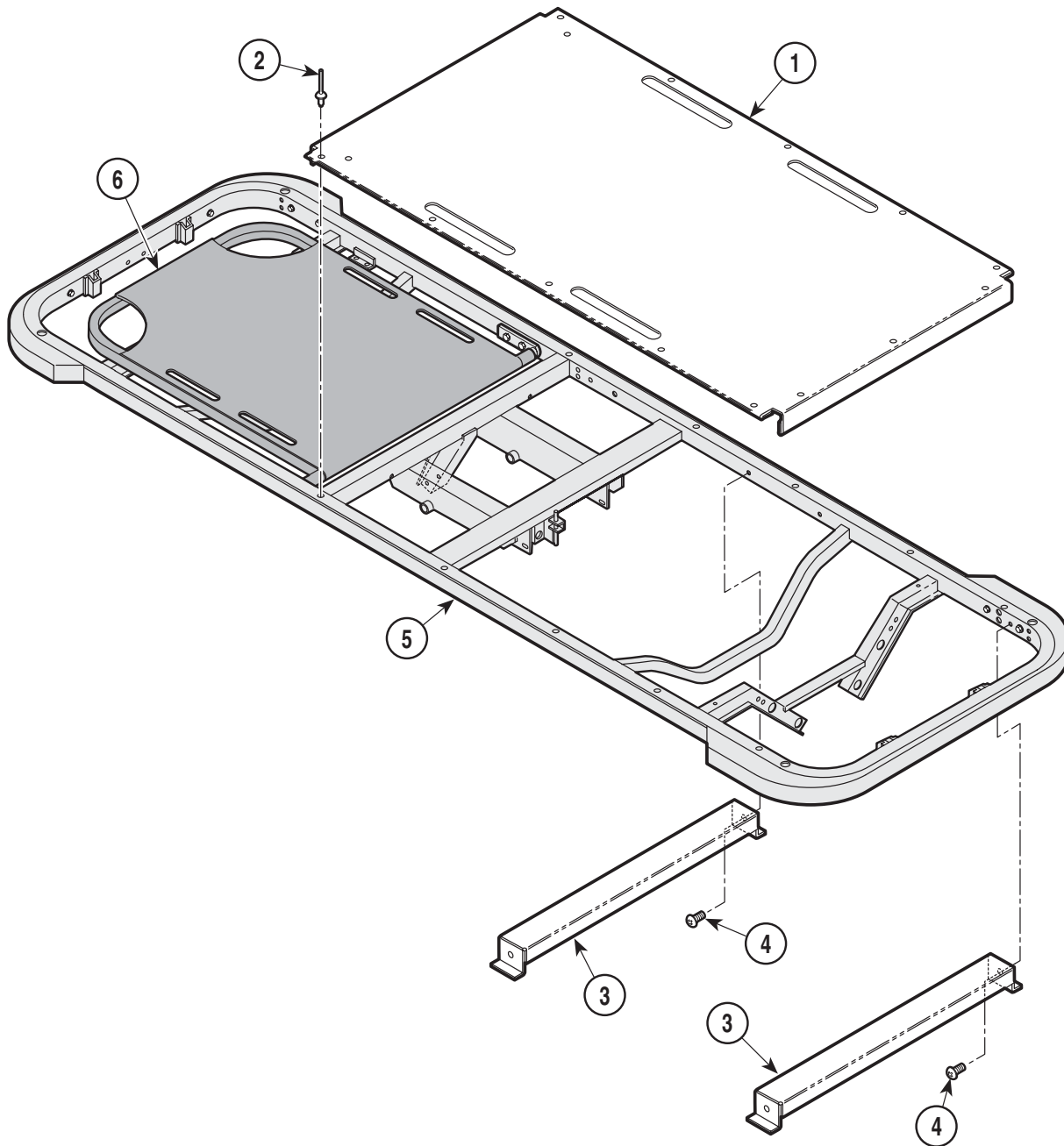
Used on Units with Serial Numbers:
TEG-1502 thru TEG-2006 **TEH-1147 thru TEH-1333**
TEW-1345 thru TEW-2643 **TEX-1128 thru TEX-1627**
TEZ- 1000 thru TEZ 1149 **TFA 1000- thru TFA 1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	550-0777-10	Full Skin (Narrow)	1	5		Litter Frame (Refer to "Litter Frame	
	550-0777-11	Full Skin (Wide)	1			Assembly" Elsewhere)	Ref
2	042-0010-23	Pop Rivets	13	6		Fowler Components (Refer to "Manual	
3	550-0309-10	Skin Support (Narrow)	2			Fowler Components", "Pneumatic Fowler	
	550-0309-11	Skin Support (Wide)	2			Components" or "Partial X-Ray Fowler	
4	040-0250-83	Screw	4			Components" Elsewhere)	Ref

Always Specify Model & Serial Number

Standard Litter Top

SECTION VI PARTS LIST



HA543201

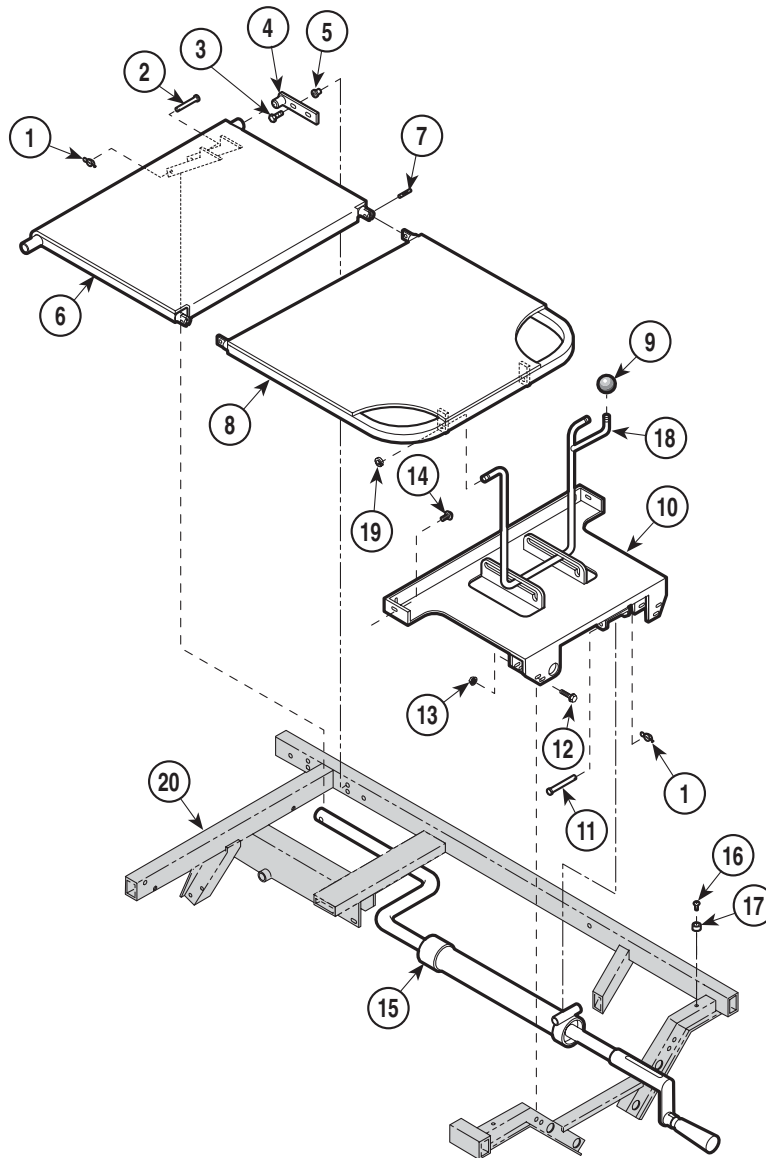
Used on Units with Serial Numbers:
TEG-2007 thru Present **TEH-1334 thru Present**
TEW-2644 thru Present **TEX-1628 thru Present**
TEZ-1150 thru Present **TFA-1065 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	550-1007-10	Full Skin (Narrow)	1	5		Litter Frame (Refer to "Litter Frame	
	550-1007-11	Full Skin (Wide)	1			Assembly" Elsewhere)	Ref
2	042-0010-23	Pop Rivets	12	6		Fowler Components (Refer to "Manual	
3	550-0309-10	Skin Support (Narrow)	2			Fowler Components", "Pneumatic Fowler	
	550-0309-11	Skin Support (Wide)	2			Components" or "Partial X-Ray Fowler	
4	040-0250-83	Screw	4			Components" Elsewhere)	Ref

Always Specify Model & Serial Number

Knee Flex Litter Top

SECTION VI PARTS LIST



HA542800

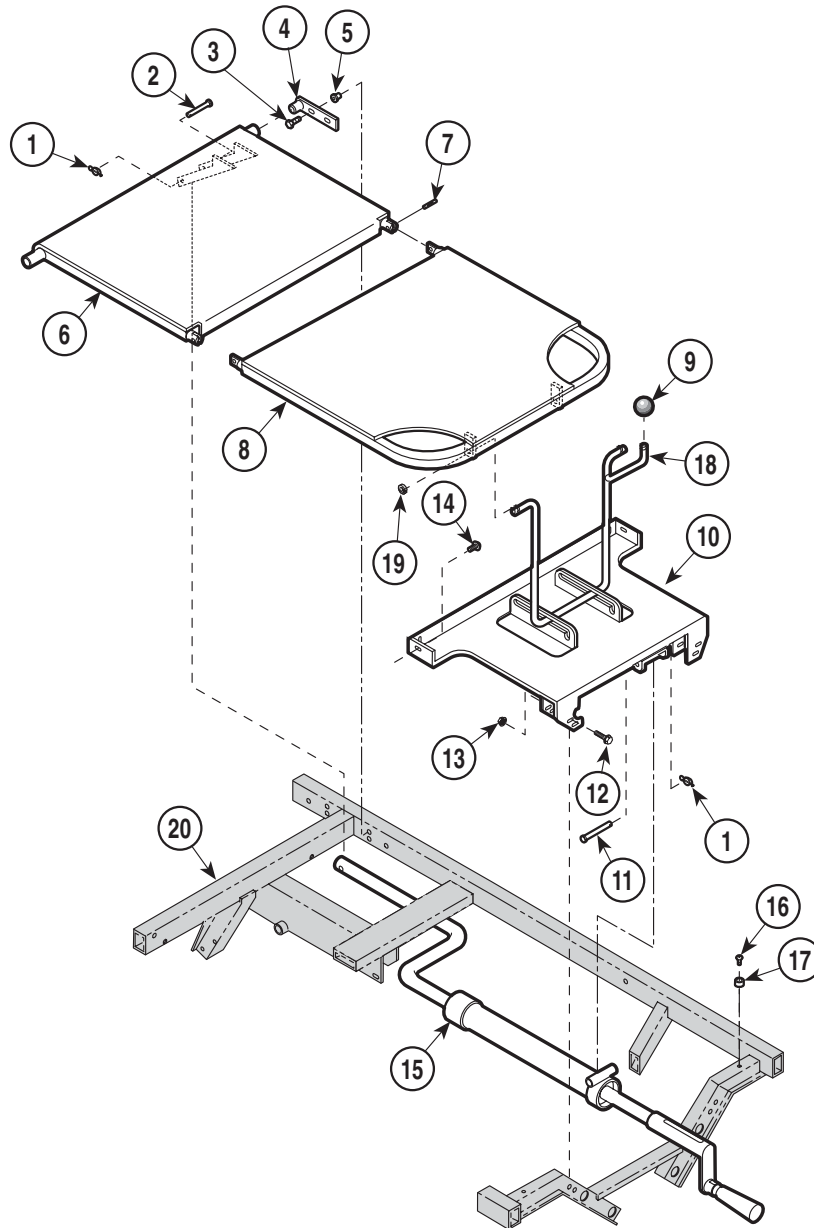
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1192 TEH-1000 thru TEH-1083
TEW-1000 thru TEW-1008 TEX-1000 thru TEX-1001

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring Cotter	2	11	042-0005-10	Clevis Pin	1
2	042-0005-05	Clevis Pin	1	12	040-0250-90	Whiz Lock Bolt	4
3	040-0250-88	Whiz Lock Bolt	4	13	041-0250-13	Whiz Lock Nut	4
4	530-0410-10	Hinge	2	14	040-0250-83	Screw	2
5	042-0045-06	Nutsert	4	15		Knee Flex Crank (Refer to Kneeflex Crank Assembly" Elsewhere)	Ref
6	530-0406-10	Thigh Section Weldment (Narrow)	1	16	040-0008-04	Screw	2
	530-0406-11	Thigh Section Weldment (Wide)	1	17	053-0020-00	Recess Bumper	2
7	042-0067-02	Groove Pin	2	18	530-0411-00	Bail Rod Weldment	1
8	530-0405-10	Foot Section Weldment (Narrow)	1	19	042-0065-01	Klipring	2
	530-0405-11	Foot Section Weldment (Wide)	1	20		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	516-0015-00	Ball Knob (Apply Loctite #042-0025-00) .	1				
10	530-0878-10	Knee Flex Bracket (Narrow)	1				
	530-0879-10	Knee Flex Bracket (Wide)	1				

Always Specify Model & Serial Number

Knee Flex Litter Top

SECTION VI PARTS LIST



HA542801

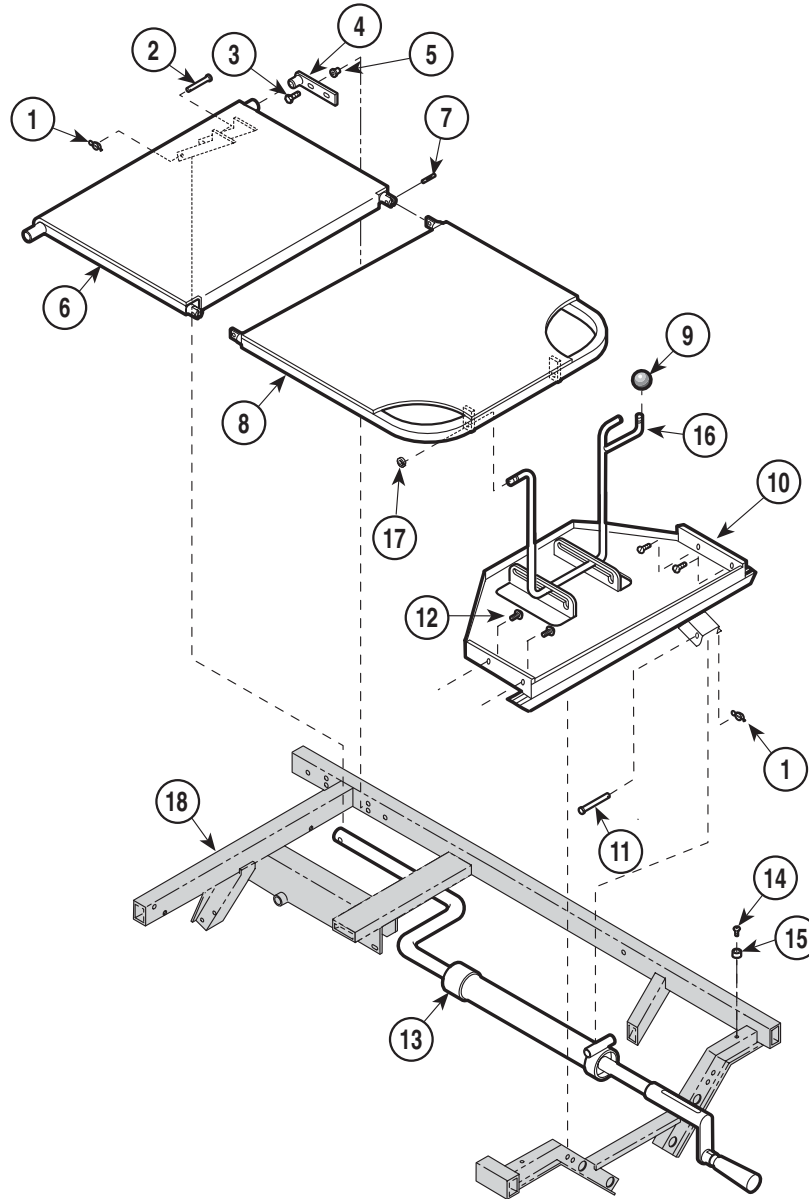
Used on Units with Serial Numbers:
TEG-1193 thru TEG-1501 TEH-1084 thru TEH-1146
TEW-1009 thru TEW-1344 TEX-1002 thru TEX-1127

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring Cotter	2	11	042-0005-10	Clevis Pin	1
2	042-0005-05	Clevis Pin	1	12	040-0250-90	Whiz Lock Bolt	4
3	040-0250-88	Whiz Lock Bolt	4	13	041-0250-13	Whiz Lock Nut	4
4	530-0410-10	Hinge	2	14	040-0250-83	Screw	2
5	042-0045-06	Nutsert	4	15		Knee Flex Crank (Refer to Kneeflex Crank Assembly" Elsewhere)	Ref
6	530-0406-10	Thigh Section Weldment (Narrow)	1	16	040-0008-04	Screw	2
	530-0406-11	Thigh Section Weldment (Wide)	1	17	053-0020-00	Recess Bumper	2
7	042-0067-02	Groove Pin	2	18	530-0411-00	Bail Rod Weldment	1
8	530-0405-10	Foot Section Weldment (Narrow)	1	19	042-0065-01	Klipring	2
	530-0405-11	Foot Section Weldment (Wide)	1	20		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	516-0015-00	Ball Knob (Apply Loctite #042-0025-00) .	1				
10	530-0951-10	Knee Flex Bracket (Narrow)	1				
	530-0952-10	Knee Flex Bracket (Wide)	1				

Always Specify Model & Serial Number

Knee Flex Litter Top

SECTION VI PARTS LIST



HA542802

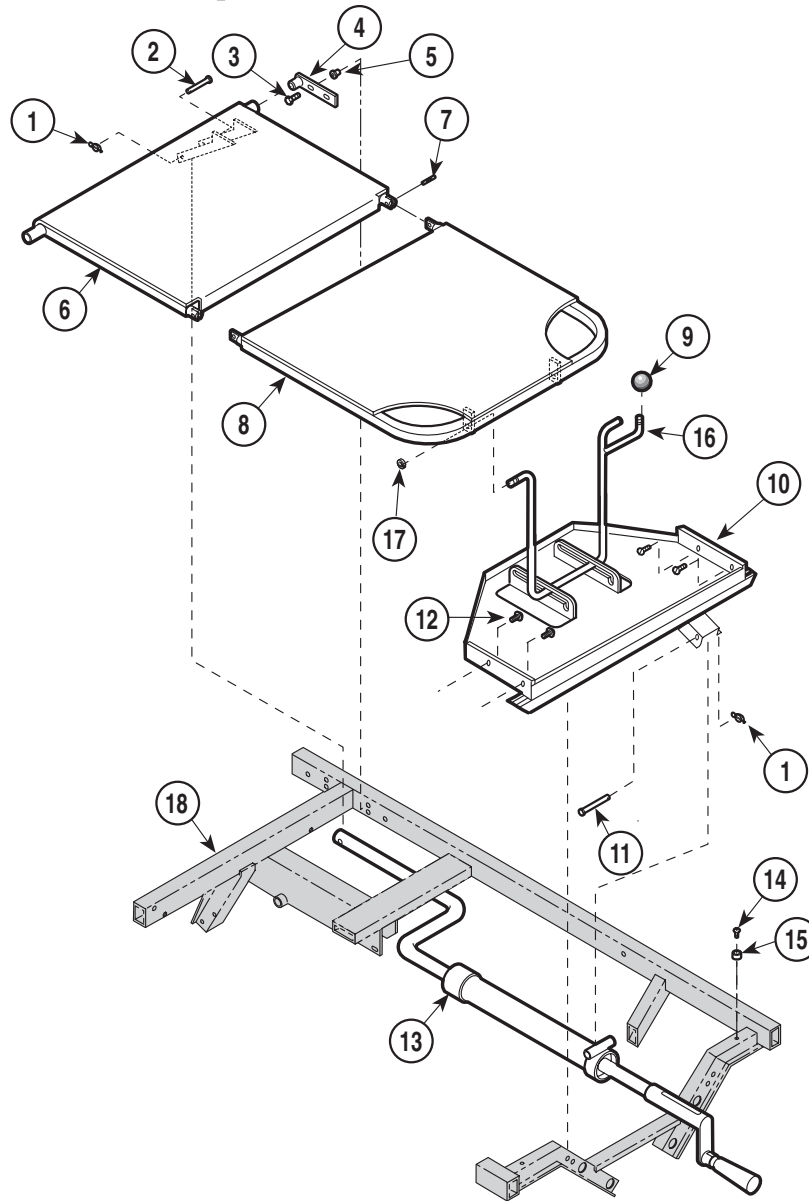
Used on Units with Serial Numbers:
TEG-1502 thru TEG-2006 **TEH-1147 thru TEH-1333**
TEW-1345 thru TEW-2643 **TEX-1128 thru TEX-1627**
TEZ-1000 thru TEZ-1149 **TFA 1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring Cotter	2	10	530-0985-10	Knee Flex Bracket (Narrow)	1
2	042-0005-05	Clevis Pin	1		530-0986-10	Knee Flex Bracket (Wide)	
3	040-0250-88	Whiz Lock Bolt	4	11	042-0005-10	Clevis Pin	1
4	530-0410-10	Hinge	2	12	040-0250-83	Screw	4
5	042-0045-06	Nutsert	4	13		Knee Flex Crank (Refer to Kneeflex Crank Assembly" Elsewhere)	Ref
6	530-0406-10	Thigh Section Weldment (Narrow)	1	14	040-0010-07	Screw	4
	530-0406-11	Thigh Section Weldment (Wide)	1	15	053-0065-01	Recess Bumper	4
7	042-0067-02	Groove Pin	2	16	530-0411-00	Bail Rod Weldment	1
8	530-0405-10	Foot Section Weldment (Narrow)	1	17	042-0065-01	Klipring	2
	530-0405-11	Foot Section Weldment (Wide)	1	18		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	516-0015-00	Ball Knob (Apply Loctite #042-0025-00) .	1				

Always Specify Model & Serial Number

Knee Flex Litter Top

SECTION VI PARTS LIST



HA542802

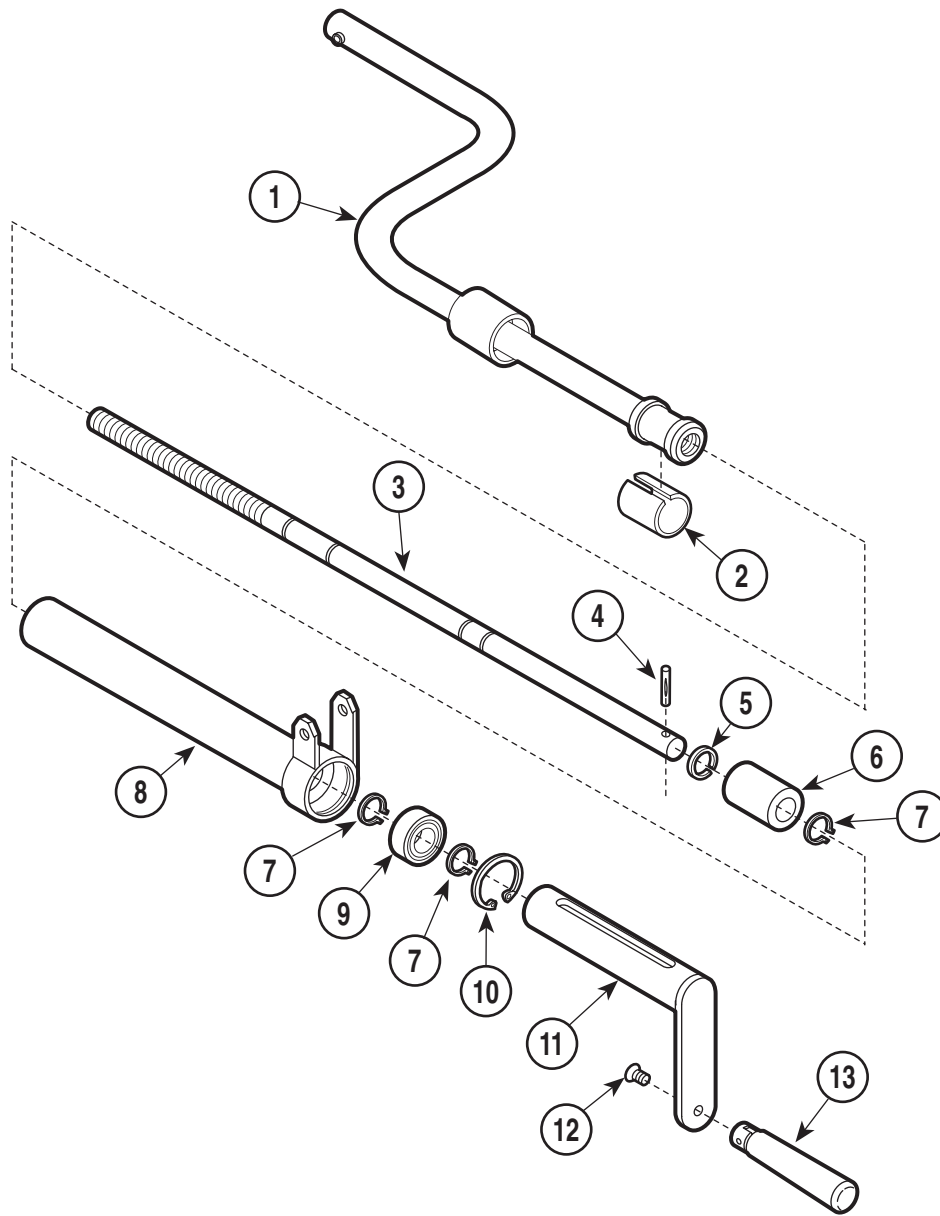
Used on Units with Serial Numbers:
TEG-2007 thru Present **TEH-1334 thru Present**
TEW-2644 thru Present **TEX-1628 thru Present**
TEZ-1150 thru Present **TFA-1065 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring Cotter	2	11	042-0005-10	Clevis Pin	1
2	042-0005-05	Clevis Pin	1	12	040-0250-83	Screw	4
3	040-0250-95	Whiz Lock Bolt	4	13		Knee Flex Crank (Refer to "Kneeflex Crank Assembly" Elsewhere)	Ref
4	551-0700-10	Hinge	2	14	040-0010-07	Screw	4
5	042-0045-06	Nutsert	4	15	553-0065-01	Recess Bumper	4
6	530-1048-10	Thigh Section Weldment (Narrow)	1	16	530-0411-00	Bail Rod Weldment (Narrow).....	1
	530-1048-11	Thigh Section Weldment (Wide)	1		530-0411-02	Bail Rod Weldment (Wide).....	1
7	042-0067-02	Groove Pin	2	17	042-0065-01	Klip ring	2
8	530-0405-10	Foot Section Weldment (Narrow)	1	18		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere).....	Ref
	530-0405-11	Foot Section Weldment (Wide)	1				
9	516-0015-00	Ball Knob (Apply Loctite #042-0025-00) .	1				
10	530-0985-10	Knee Flex Bracket (Narrow)	1				
	530-0986-10	Knee Flex Bracket (Wide)	1				

Always Specify Model & Serial Number

Knee Flex Crank Assembly

SECTION VI PARTS LIST



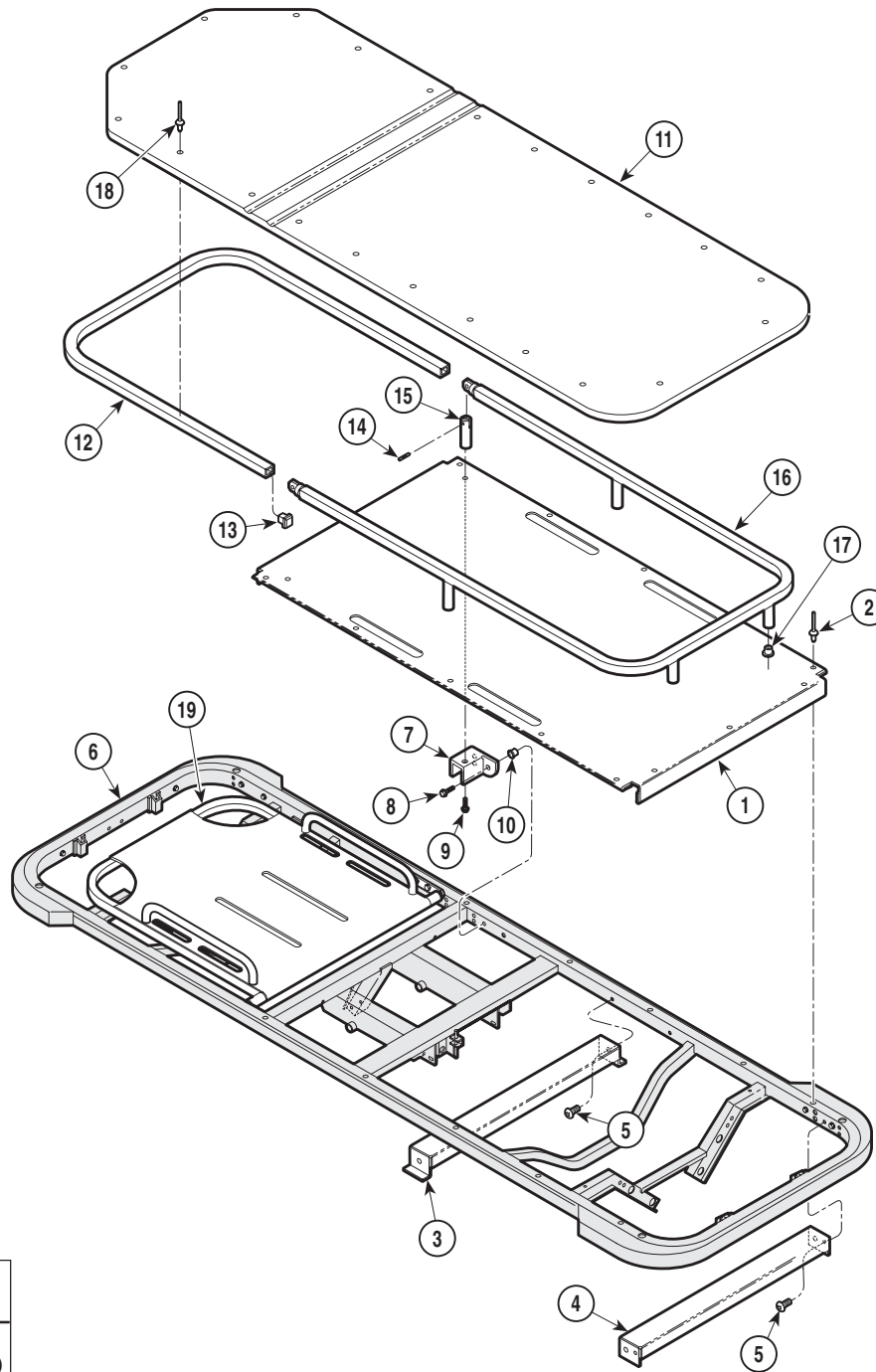
HA522100

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	529-0188-00	Knee-Flex Crank Assembly (Includes Items 1 thru 13)	1	7	• 042-0056-03	• Retaining Ring	3
1	• 530-0408-00	• Inner Tube	1	8	• 530-0276-00	• Outer Tube	1
2	• 053-0250-01	• Nyliner Bearing	1	9	• 516-0089-00	• Bearing	1
3	• 557-0126-00	• Shaft	1	10	• 016-0299-02	• Retaining Ring	1
4	• 042-0043-06	• Groove Pin	1	11	• 530-0580-10	• Crank	1
5	• 042-0066-00	• Crescent Ring	1	12	• 042-0062-04	• Screw	1
6	• 552-0218-00	• Spacer	1	13	• 516-0041-00	• Handle	1

Always Specify Model & Serial Number

Total X-Ray Litter Top 511/540

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
9	16 - 20 FT-LBS (21.7 - 27.1 N•M)

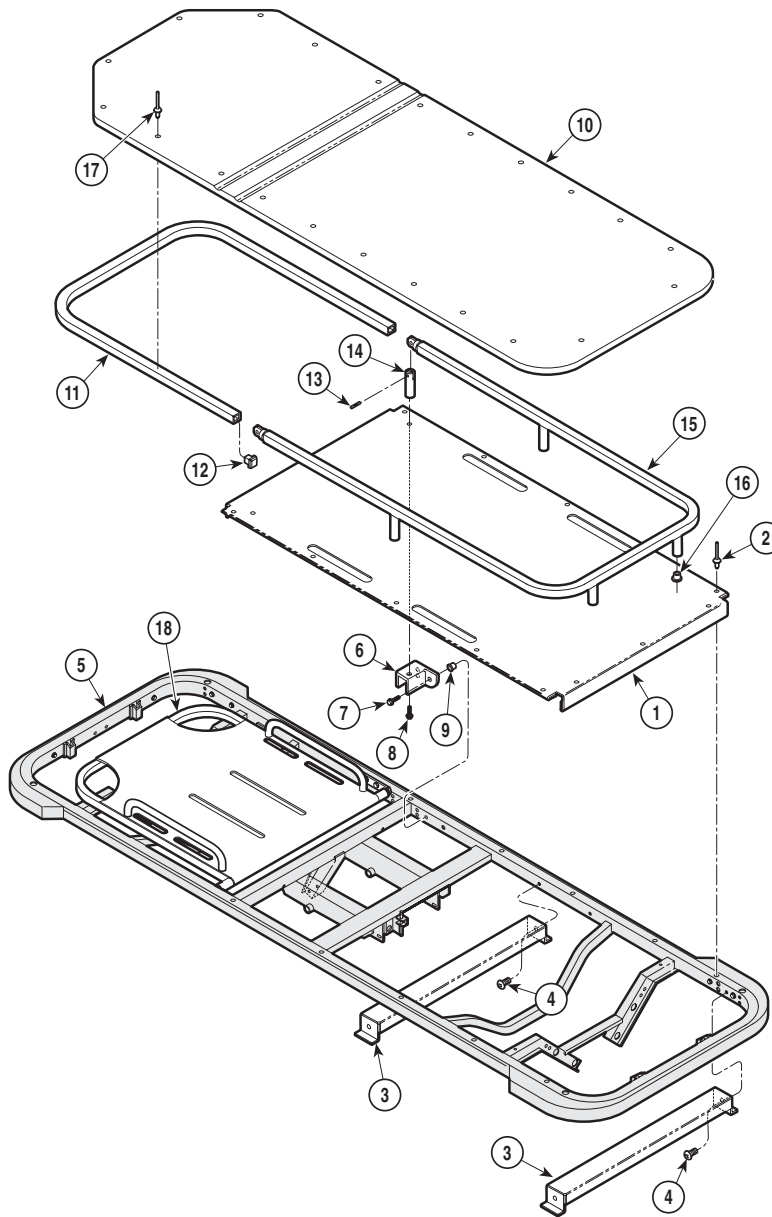
HA544200

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	550-1007-10	Full Skin	1	10	042-0045-06	Nutsert	6
2	042-0010-23	Pop Rivets	13	11	553-0385-00	X-Ray Top	1
3	550-0773-10	Litter Cross Brace	1	12	552-0801-10	Fowler Tube	1
4	550-0309-10	Skin Support	1	13	553-0101-02	Square Endcap	2
5	040-0250-83	Screw	4	14	042-0067-02	Groove Pin	2
6		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref	15	557-0760-10	Pivot/Hinge	2
7	530-0882-10	Hinge Support (RH)	1	16	530-0887-10	Foot X-Ray Frame	1
	530-0882-11	Hinge Support (LH Shown)	1	17	553-0093-06	Round Endcap	4
8	040-0250-88	Screw	6	18	042-0010-18	Pop-Rivet	24
9	040-0312-25	Screw	2	19		Total X-Ray Fowler (Refer to "Total X-Ray Fowler Components" Elsewhere)	Ref

Always Specify Model & Serial Number

Total X-Ray Litter Top 511/540

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
8	16 - 20 FT-LBS (21.7 - 27.1 N•M)

HA544201

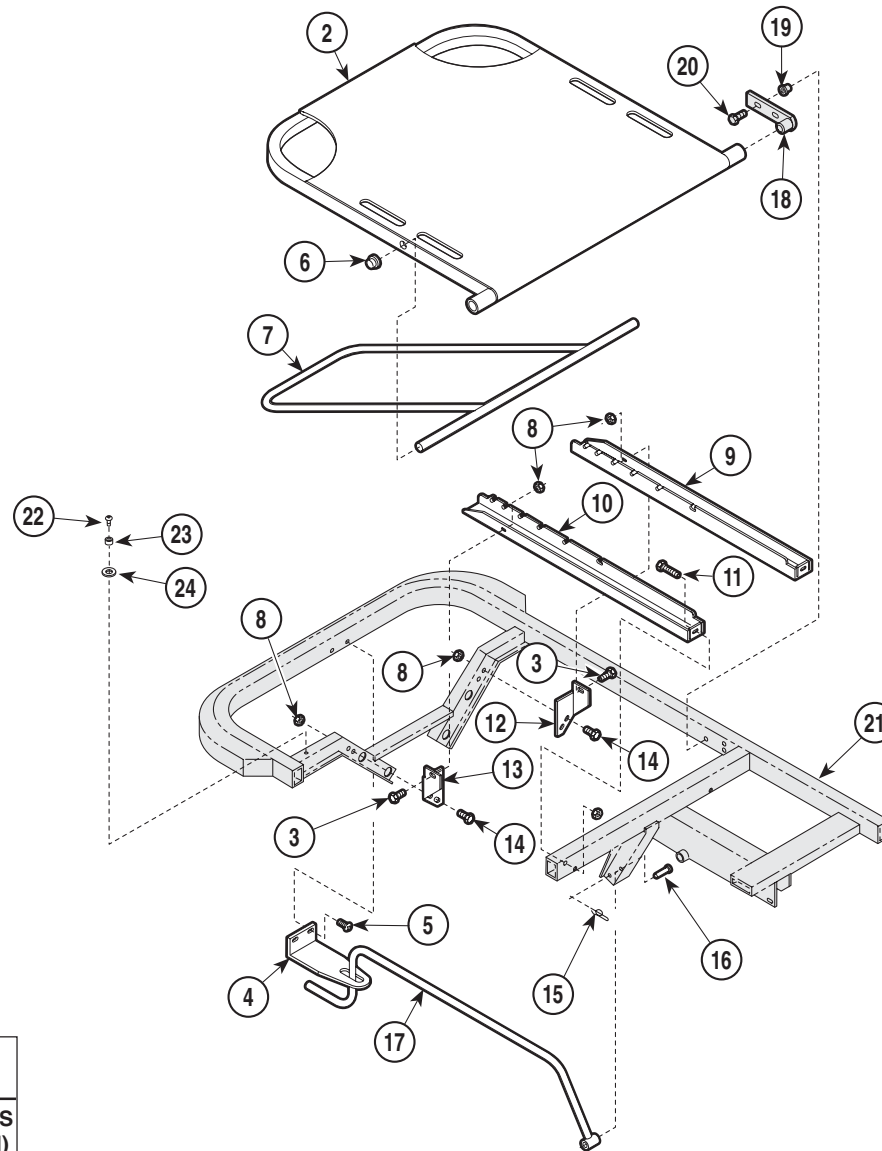
Used on Units with Serial Numbers:
TEG-152 thru Present **TEH-1147 thru Present**
TEW-1345 thru Present **TEX-1128 thru Present**
TEZ-1000 thru Present **TTA-1000 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	550-1007-10	Full Skin	1	10	553-0385-00	X-Ray Top	1
2	042-0010-23	Pop Rivets	12	11	552-0801-10	Fowler Tube	1
3	550-0309-10	Skin Support	2	12	553-0101-02	Square Endcap	2
4	040-0250-83	Screw	4	13	042-0067-02	Groove Pin	2
5		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref	14	557-0760-10	Pivot/Hinge	2
6	530-0882-10	Hinge Support (RH)	1	15	530-0887-10	Foot X-Ray Frame	1
7	530-0882-11	Hinge Support (LH Shown)	1	16	553-0093-06	Round Endcap	4
8	040-0250-88	Screw	6	17	042-0010-18	Pop-Rivet	24
9	040-0312-25	Screw	2	18		Total X-Ray Fowler (Refer to "Total X-Ray Fowler Components" Elsewhere)	Ref
	042-0045-06	Nutsert	6				

Always Specify Model & Serial Number

Manual Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
20	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA553300

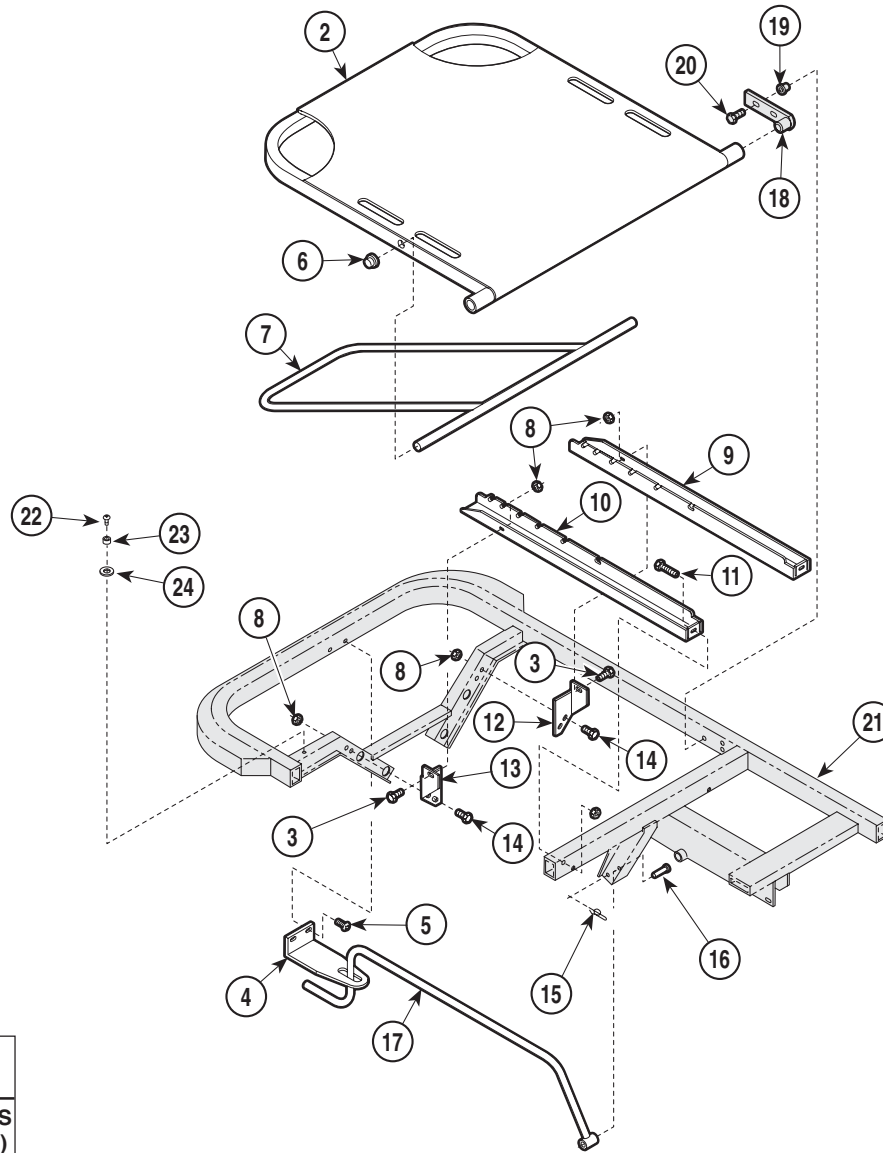
Used on Units with Serial Numbers:
TEG-1000 thru TEG-2006 **TEH-1000 thru TEH-1333**
TEW-1000 thru TEW-2643 **TEX-1000 thru TEX-1627**
TEZ-1000 thru TEZ-1149 **TFA-1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	5993001	Manual Fowler [Narrow] (Includes Items 2 thru 24)	1	11	• 040-0250-90	• Screw	2
	5993002	Manual Fowler [Wide] (Includes Items 2 thru 24)	1	12	• 550-0346-11	• Ratchet Support - L.H.	1
2	• 530-0401-10	• Manual Fowler Weldment [Narrow]	1	13	• 550-0346-10	• Ratchet Support - R.H.	1
	• 530-0401-11	• Manual Fowler Weldment [Wide]	1	14	• 040-0250-95	• Screw	4
3	• 040-0250-88	• Screw	2	15	• 042-0063-00	• Rue Ring Cotter	1
4	• 550-0345-10	• End Guide	1	16	• 042-0005-04	• Clevis Pin	1
5	• 040-0250-83	• Screw	2	17	• 530-1196-00	• Bail Release Weldment	1
6	• 904190	• Push Nut	2	18	530-0410-10	Hinge	2
7	• 530-0897-10	• Bail Weldment [Narrow]	1	19	042-0045-06	Nutsert	4
	• 530-0897-11	• Bail Weldment [Wide]	1	20	040-0250-88	Screw	4
8	• 041-0250-13	• Nut	8	21		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	• 530-0898-11	• Fowler Bracket - L.H.	1	22	040-0010-07	Screw	2
10	• 530-0898-10	• Fowler Bracket - R.H.	1	23	553-0065-01	Recess Bumper	2
				24	053-0110-10	Spacer (Used on earlier units)	2

Always Specify Model & Serial Number

Manual Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
20	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA553300

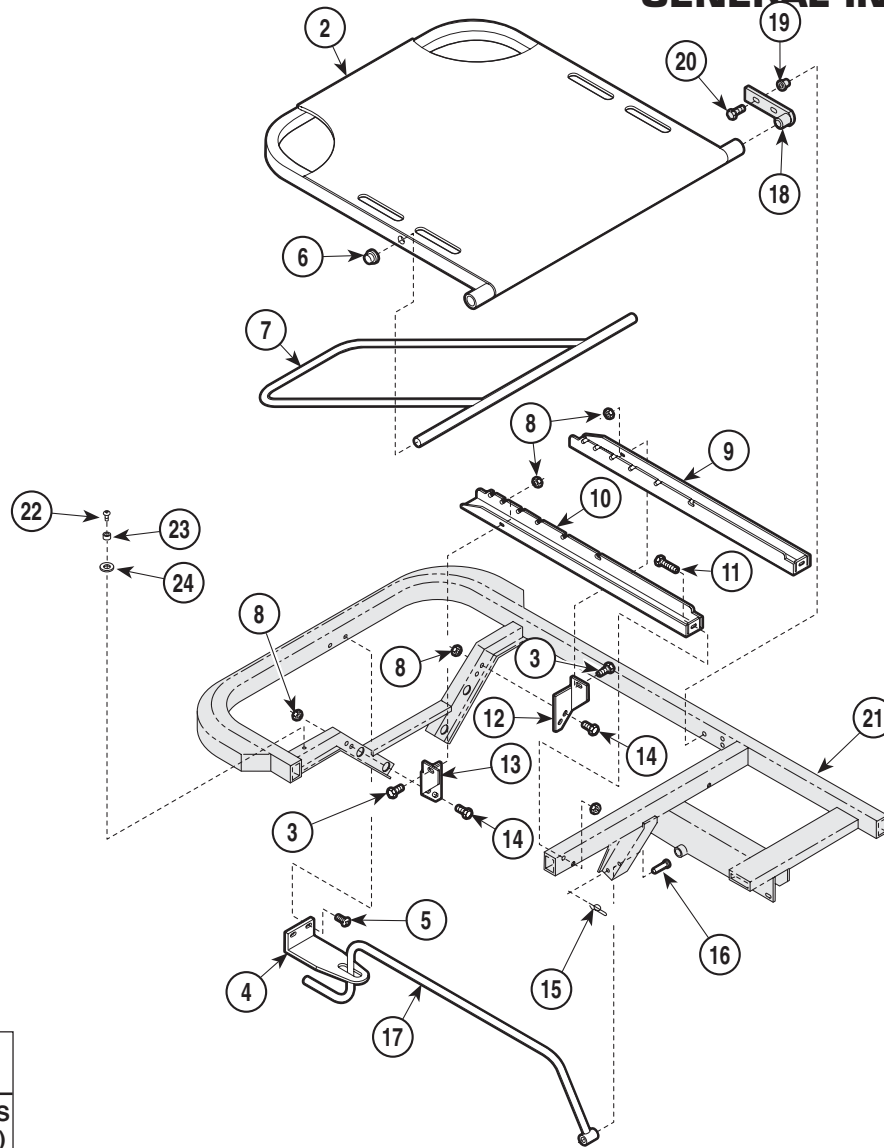
Used on Units with Serial Numbers:
TEG-2007 thru TEG-2203 **TEH-1334 thru TEH-1439**
TEW-2644 thru TEW-3131 **TEX-1628 thru TEX-1809**
TEZ-1150 thru TEZ-1278 **TFA-1065 thru TFA-1071**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	5993001	Manual Fowler [Narrow] (Includes		11	• 040-0250-90	• Screw	2
	5993002	Items 2 thru 24)	1	12	• 550-0346-11	• Ratchet Support - L.H.	1
		Manual Fowler [Wide] (Includes		13	• 550-0346-10	• Ratchet Support - R.H.	1
		Items 2 thru 24)	1	14	• 040-0250-95	• Screw	4
2	• 530-0401-10	• Manual Fowler Weldment [Narrow]	1	15	• 042-0063-00	• Rue Ring Cotter	1
	• 530-0401-11	• Manual Fowler Weldment [Wide]	1	16	• 042-0005-04	• Clevis Pin	1
3	• 040-0250-88	• Screw	2	17	• 530-1196-00	• Bail Release Weldment	1
4	• 550-0345-10	• End Guide	1	18	551-0700-10	Hinge	2
5	• 040-0250-83	• Screw	2	19	042-0045-06	Nutsert	4
6	• 904190	• Push Nut	2	20	040-0250-88	Screw	4
7	• 530-0897-10	• Bail Weldment [Narrow]	1	21		Litter Frame (Refer to "Litter Frame	
	• 530-0897-11	• Bail Weldment [Wide]	1			Assembly" Elsewhere)	Ref
8	• 041-0250-13	• Nut	8	22	040-0010-07	Screw	2
9	• 530-0898-11	• Fowler Bracket - L.H.	1	23	553-0065-01	Recess Bumper	2
10	• 530-0898-10	• Fowler Bracket - R.H.	1	24	053-0110-10	Spacer (Used on earlier units)	2

Always Specify Model & Serial Number

Manual Fowler Components

SECTION I GENERAL INFORMATION



TORQUE LEGEND	
ITEM #	TORQUE
20	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA553300

Used on Units with Serial Numbers:
TEG-2204 thru Present **TEH-1440 thru Present**
TEW-3132 thru Present **TEX-1810 thru Present**
TEZ-1279 thru Present **TFA-1072 thru Present**

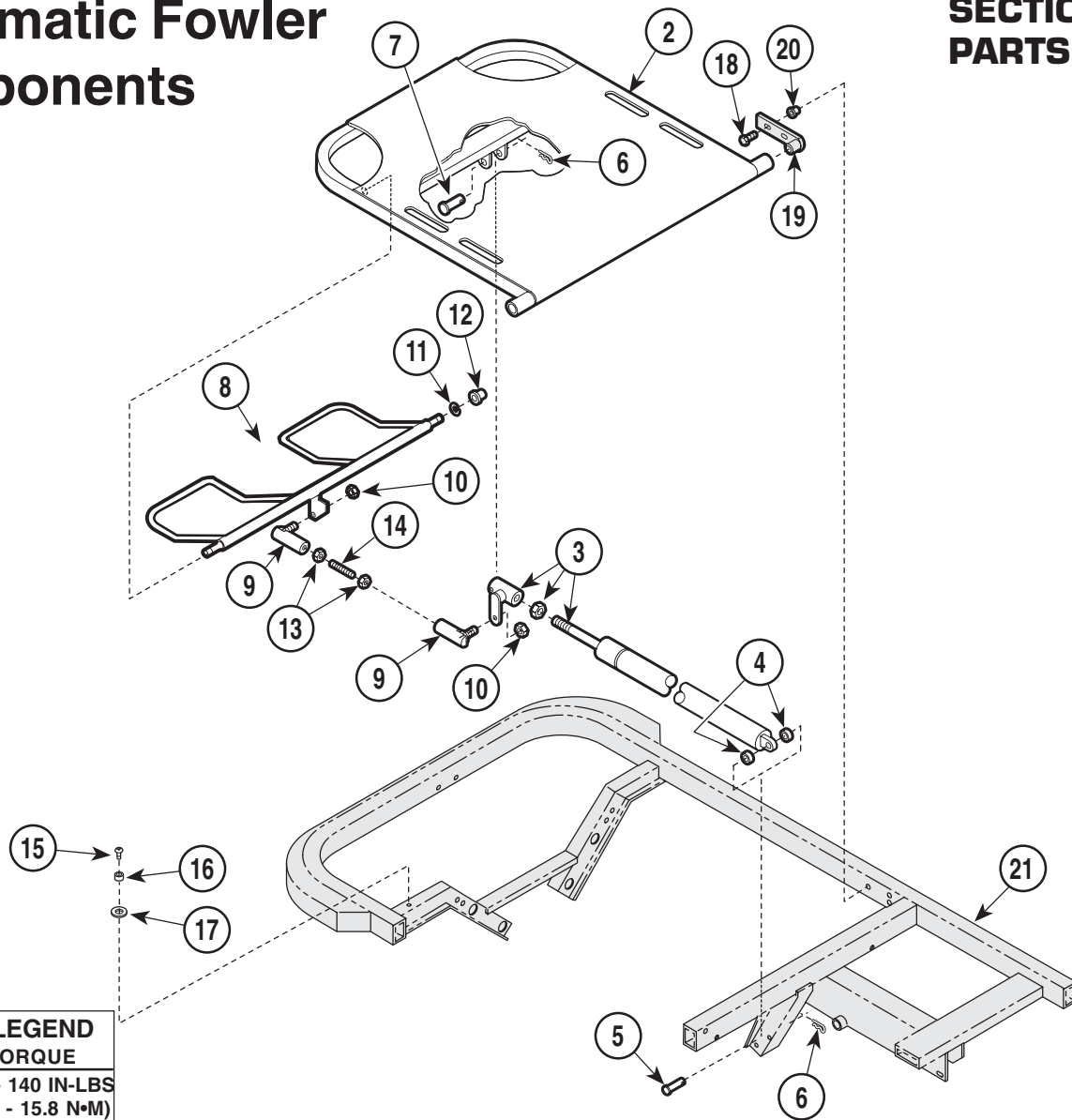
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59180	Manual Fowler [Narrow] (Includes Items 2 thru 24)	1	11	• 040-0250-90	• Screw	2
	59181	Manual Fowler [Wide] (Includes Items 2 thru 24)	1	12	• 550-0346-11	• Ratchet Support - L.H.	1
2	• 530-1058-10	• Manual Fowler Weldment [Narrow]	1	13	• 550-0346-10	• Ratchet Support - R.H.	1
	• 530-1058-11	• Manual Fowler Weldment [Wide]	1	14	• 040-0250-95	• Screw	4
3	• 040-0250-88	• Screw	2	15	• 042-0063-00	• Rue Ring Cotter	1
4	• 550-0345-10	• End Guide	1	16	• 042-0005-04	• Clevis Pin	1
5	• 040-0250-83	• Screw	2	17	• 530-1196-00	• Bail Release Weldment	1
6	• 904190	• Push Nut	2	18	551-0700-10	Hinge	2
7	• 530-0897-10	• Bail Weldment [Narrow]	1	19	042-0045-06	Nutsert	4
	• 530-0897-11	• Bail Weldment [Wide]	1	20	040-0250-88	Screw	4
8	• 041-0250-13	• Nut	8	21		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	• 530-0898-11	• Fowler Bracket - L.H.	1	22	040-0010-07	Screw	2
10	• 530-0898-10	• Fowler Bracket - R.H.	1	23	553-0065-01	Recess Bumper	2
				24	053-0110-10	Spacer (Used on earlier units)	2

Always Specify Model & Serial Number

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Pneumatic Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
18	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA553401

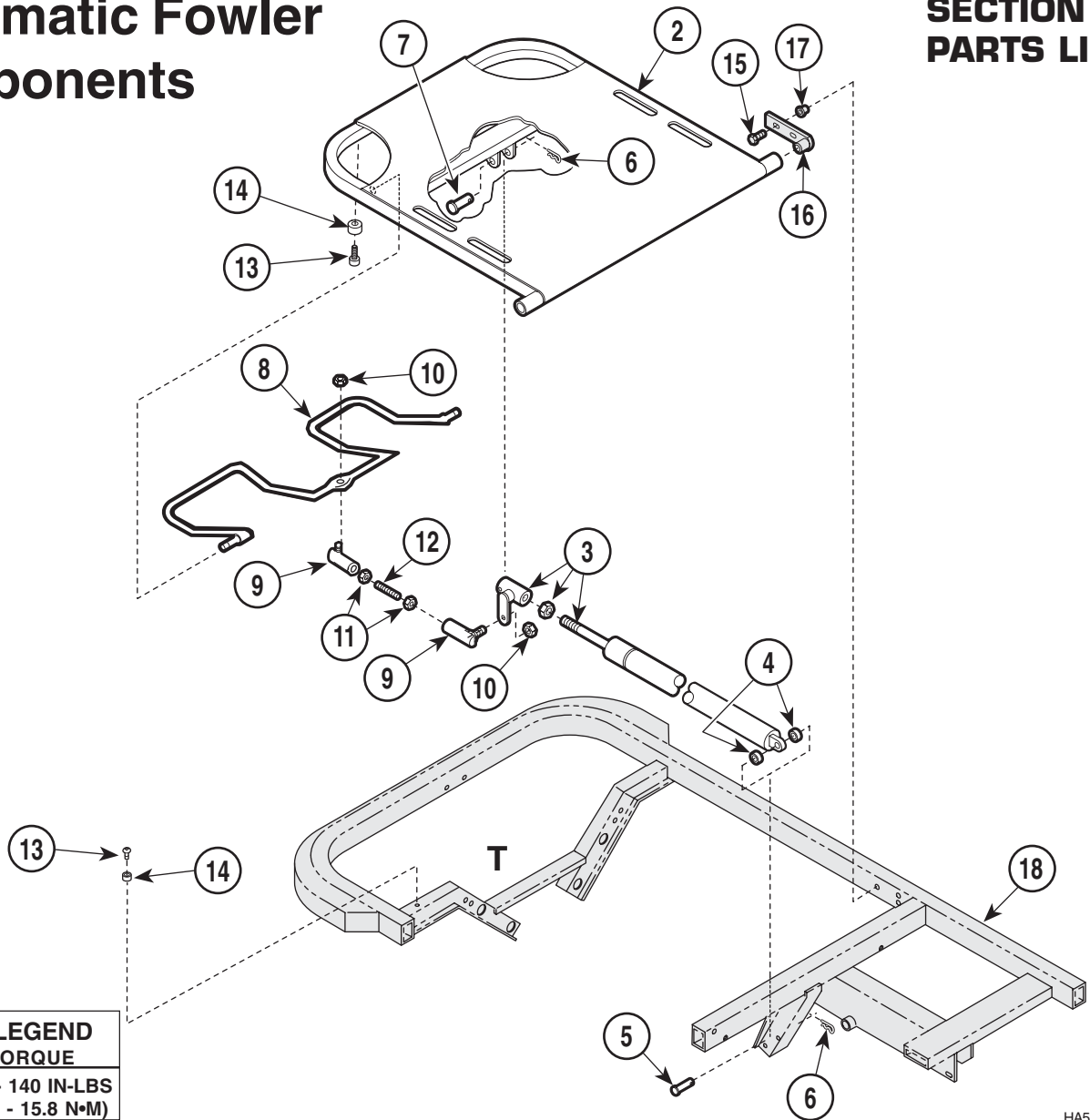
Used on Units with Serial Numbers:
TEG-1000 thru TEG-2006 **TEH-1000 thru TEH-1333**
TEW-1000 thru TEW-2643 **TEX-1000 thru TEX-1627**
TEZ-1000 thru TEZ 1149 **TFA-1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59130001	Pneumatic Fowler Option (Narrow) (Includes Items 2 thru 20)	1	10	• 041-0250-08	• Nut	2
	59131001	Pneumatic Fowler Option (Wide) (Includes Items 2 thru 20)	1	11	• 042-0065-01	• Klipping	2
2	• 530-1001-10	• Fowler Weldment (Narrow)	1	12	• 016-0392-00	• Flange Bearing	2
	• 530-1001-11	• Fowler Weldment (Wide)	1	13	• 041-0250-07	• Nut	2
3	•	• Fowler Actuator (Refer to "Fowler Actuator Assembly" Elsewhere)	1	14	• 040-0250-102	• Hex Socket Set Screw	1
4	• 553-0106-01	• Elastomer Spring	2	15	040-0010-07	Screw	4
5	• 042-0005-04	• Clevis Pin	1	16	553-0065-01	Recess Bumper	2
6	• 042-0063-00	• Rue Ring Cotter	2	17	053-0110-10	Spacer	2
7	• 042-0602-05	• Clevis Pin	1	18	040-0250-88	Screw	4
8	• 530-0997-00	• Fowler Handle Weldment (Narrow)	1	19	530-0410-10	Hinge	2
9	• 530-0997-01	• Fowler Handle Weldment (Wide)	1	20	042-0045-06	Nutsert	4
	• 516-0007-00	• Ball Joint	2	21		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
				22	553-0065-01	Bumper	2

Always Specify Model & Serial Number

Pneumatic Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
15	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA553403

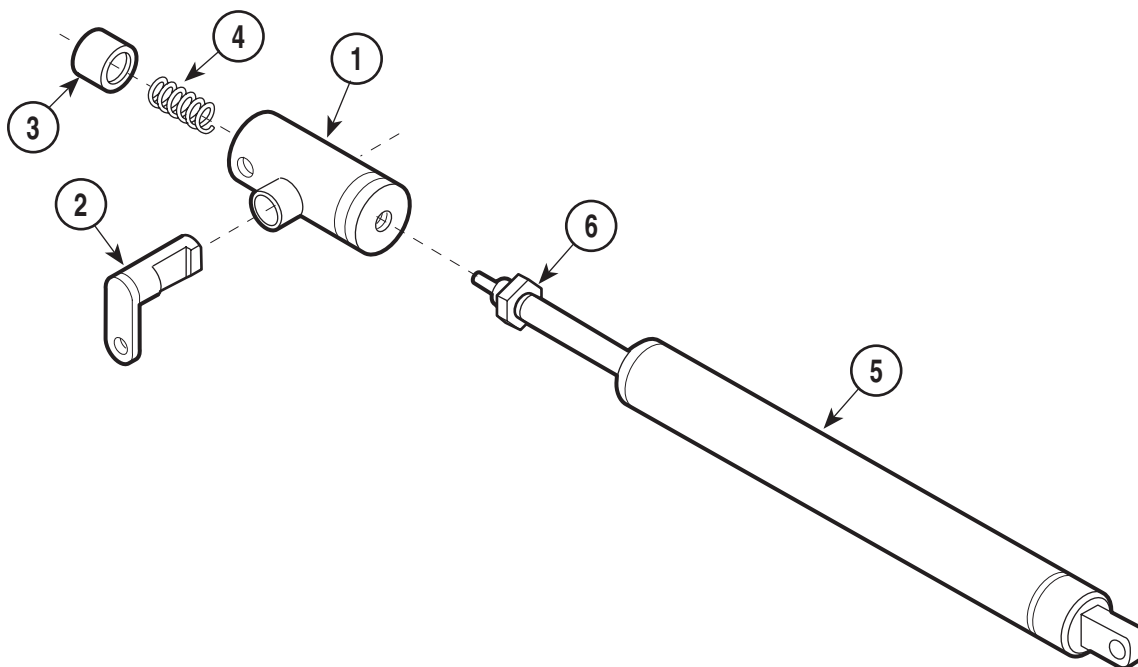
Used on Units with Serial Numbers:
TEG-2007 thru Present **TEH-1334 thru Present**
TEW-2644 thru Present **TEX-1628 thru Present**
TEZ-1150 thru Present **TFA-1065 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59130001	Pneumatic Fowler Option (Narrow) (Includes Items 2 thru 20)	1	9	• 516-0007-00	• Ball Joint	2
	59131001	Pneumatic Fowler Option (Wide) (Includes Items 2 thru 20)	1	10	• 041-0250-08	• Nut	2
2	• 530-1045-10	• Fowler Weldment (Narrow)	1	11	• 041-0250-07	• Nut	2
	• 530-1045-11	• Fowler Weldment (Wide)	1	12	• 040-0250-146	• Hex Socket Set Screw	1
3	•	• Fowler Actuator (Refer to "Fowler Actuator Assembly" Elsewhere)	1	13	040-0010-07	Screw	2
4	• 553-0106-01	• Elastomer Spring	2	14	553-0065-01	Recess Bumper	2
5	• 042-0005-04	• Clevis Pin	1	15	040-0250-95	Screw	4
6	• 042-0063-00	• Rue Ring Cotter	2	16	551-0700-10	Hinge	2
7	• 042-0005-05	• Clevis Pin	1	17	042-0045-06	Nutsert	4
8	• 557-0873-00	• Fowler Handle Weldment (Narrow)	1	18		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
	• 557-0873-01	• Fowler Handle Weldment (Wide)	1				

Always Specify Model & Serial Number

Fowler Actuator Assembly

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
6	12 - 17 FT-LBS (16.2 - 23.0 N•M)

HA522002

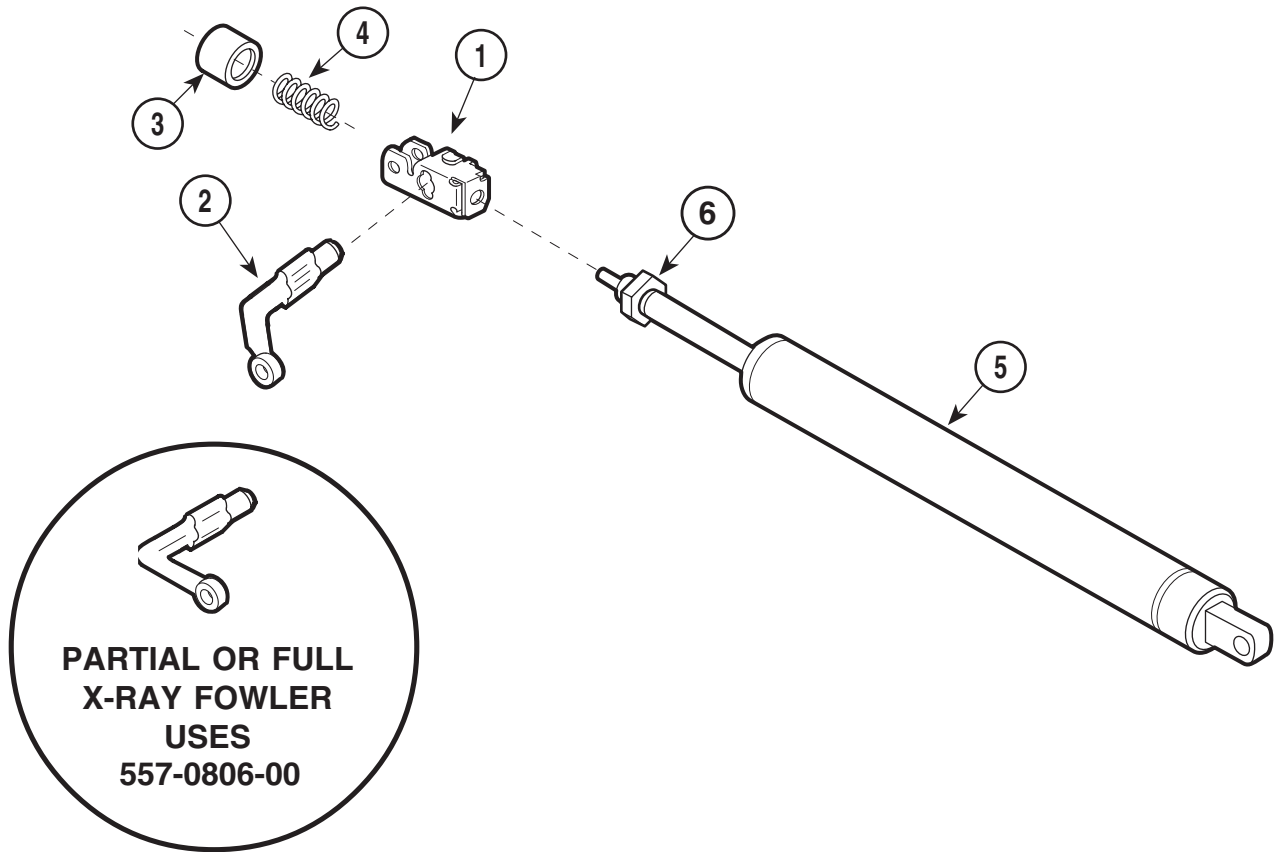
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1501 TEH-1000 thru TEH-1146
TEW-1000 thru TEW-1344 TEX-1000 thru TEX1127

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	529-0253-00	Fowler Actuator Assembly (obsolete) Replaced with 529-0647-00		3	• 553-0005-00	• Piston	1
1	529-0253-02	X-Ray Fowler Actuator Assembly	1	4	• 525-0001-00	• Spring	1
2	• 530-0499-00	• Actuator Tube	1	5	516-0100-01	Fowler Gas Spring (400N)	1
	• 530-0500-00	• Fowler Actuator		6	•	• Nut	1
	• 530-0811-00	• X-Ray Fowler Actuator	1				

Always Specify Model & Serial Number

Fowler Actuator Assembly

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
6	12 - 17 FT-LBS (16.2 - 23.0 N•M)

HA522006

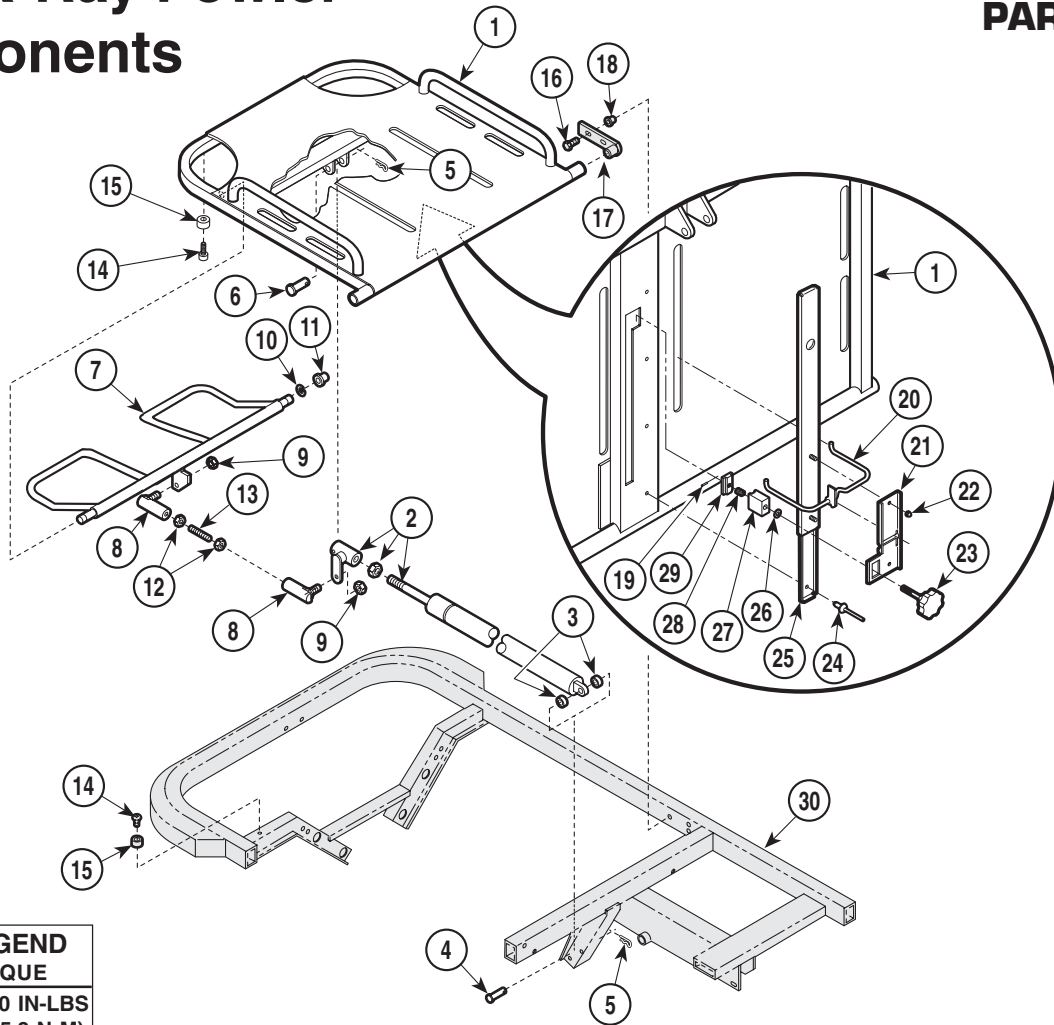
Used on Units with Serial Numbers:
TEG-1502 thru Preent TEG-1147 thru Present
TEW-1345 thru Present TEX-1128 thru Present

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	529-0647-00	Fowler Actuator Assembly		3	• 553-0448-00	• Piston	1
1	529-0647-02	X-Ray Fowler Actuator Assembly	1	4	• 525-0001-00	• Spring	1
2	• 550-0841-00	• Actuator Body	1	5	516-0100-01	Fowler Gas Spring (400N)	1
	• 557-0806-02	• Fowler Actuator			516-0100-02	Fowler Gas Spring (600N) X-Ray	1
	• 557-0806-00	• X-Ray Fowler Actuator	1	6	•	• Nut	1

Always Specify Model & Serial Number

Total X-Ray Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
16	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA545604

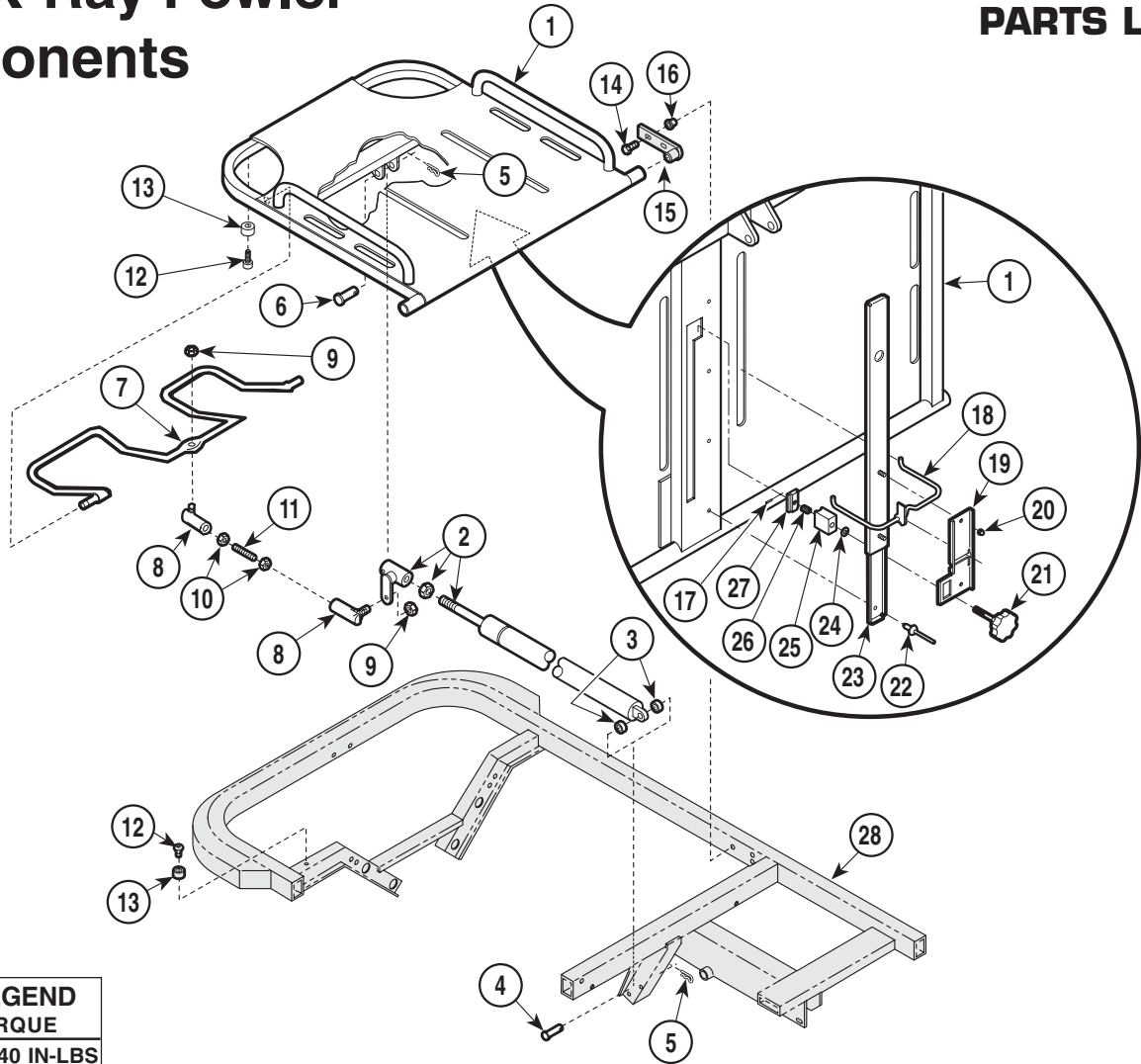
Used on Units with Serial Numbers:
TEG-1000 thru TEG-2006 **TEH-1000 thru TEH-1333**
TEW-1000 thru TEW-2643 **TEX-1000 thru TEX-1627**
TEZ-1000 thru TEZ-1149 **TFA-1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	• 530-1002-10	Total X-Ray Fowler Assembly (Includes Items 2 thru 14)	1	16	053-0110-10	Spacer (Used on Earlier Units Only)	2
2	•	• Fowler Weldment	1	17	040-0250-88	Screw	4
3	• 553-0106-01	• Fowler Actuator (Refer to "Fowler Actuator Assembly" Elsewhere)	Ref	18	530-0410-10	Hinge	2
4	• 042-0005-04	• Elastomer Spring	2	19	042-0045-06	Nutsert	4
5	• 042-0063-00	• Clevis Pin	1	20	042-0001-23	Roll Pin	1
6	• 042-0602-05	• Rue Ring Cotter	2	21	530-0892-00	Support	1
7	• 530-0997-00	• Clevis Pin	1	22	550-0788-10	Cassette Carrier	1
8	• 516-0007-00	• Fowler Handle Weldment	1	23	505-703241	Nut	2
9	• 041-0250-08	• Ball Joint	2	24	516-0328-00	Knob	1
10	• 042-0065-01	• Nut	2	25	042-0010-04	Pop Rivet	4
11	• 016-0392-00	• Klipping	2	26	516-0347-00	Drawer Slide	1
12	• 041-0250-07	• Flange Bearing	2	27	045-0007-06	Bearing Washer	1
13	• 040-0250-102	• Nut	2	28	551-0601-00	Clamp Bushing	1
14	• 040-0010-07	• Hex Socket Set Screw	1	29	025-0035-00	Compression Spring	1
15	553-0065-01	Screw	4	30	516-0330-00	T-Nut	1
		Recess Bumper	4			Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref

Always Specify Model & Serial Number

Total X-Ray Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
14	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA545605

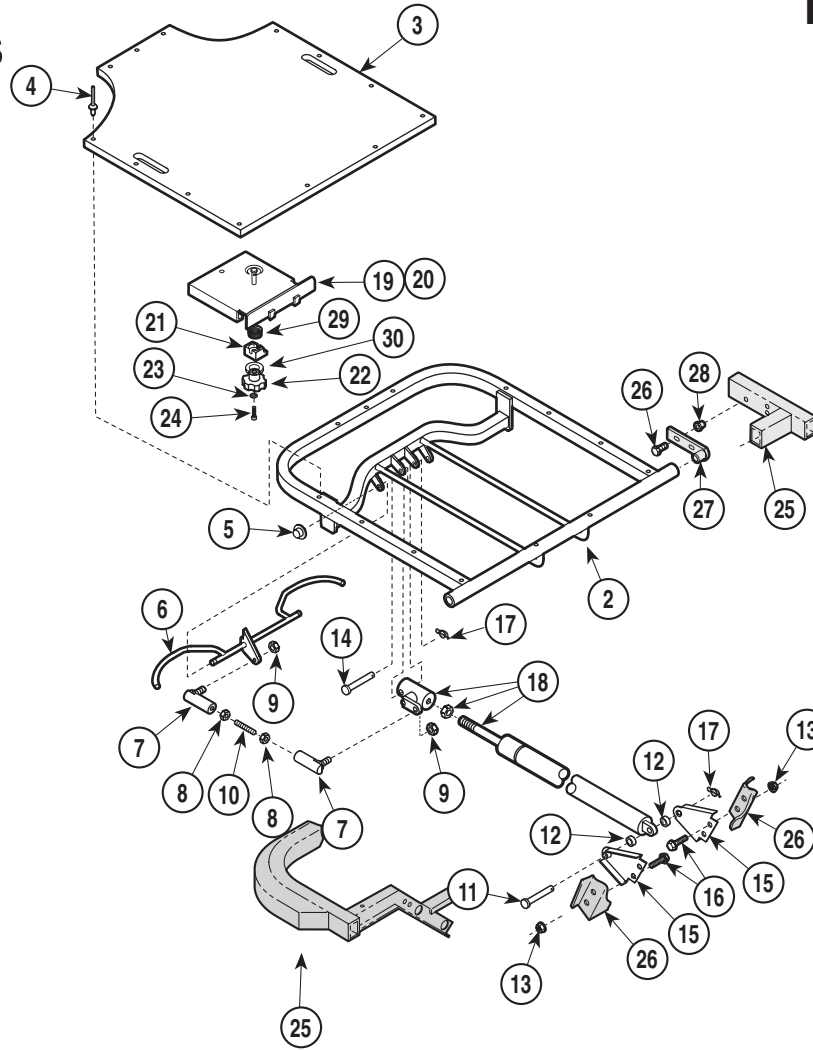
Used on Units with Serial Numbers:
TEG-2007 thru Present **TEH-1334 thru Present**
TEW-2644 thru Present **TEX-1628 thru Present**
TEZ-1150 thru Present **TFA-1065 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	• 530-1049-10	Total X-Ray Fowler Assembly (Includes Items 2 thru 14)	1	14	040-0250-88	Screw	4
2	•	• Fowler Weldment	1	15	551-0700-10	Hinge	2
3	• 553-0106-01	• Fowler Actuator (Refer to "Fowler Actuator Assembly" Elsewhere)	Ref	16	042-0045-06	Nutsert	4
4	• 042-0005-04	• Elastomer Spring	2	17	042-0001-23	Roll Pin	1
5	• 042-0063-00	• Clevis Pin	1	18	530-0892-00	Support	1
6	• 042-0602-05	• Rue Ring Cotter	2	19	550-0788-10	Cassette Carrier	1
7	• 557-0873-00	• Clevis Pin	1	20	505-703241	Nut	2
8	• 516-0007-00	• Fowler Handle Weldment	1	21	516-0328-00	Knob	1
9	• 041-0250-08	• Ball Joint	2	22	042-0010-04	Pop Rivet	4
10	• 041-0250-07	• Nut	2	23	516-0347-00	Drawer Slide	1
11	• 040-0250-146	• Nut	2	24	045-0007-06	Bearing Washer	1
12	040-0010-07	• Hex Socket Set Screw	1	25	551-0601-00	Clamp Bushing	1
13	553-0065-01	Screw	2	26	025-0035-00	Compression Spring	1
	053-0110-10	Recess Bumper	4	27	516-0330-00	T-Nut	1
		Spacer (Used on Earlier Units Only)	2	28		Litter Frame (Refer to "Litter Frame	

Always Specify Model & Serial Number

Partial X-Ray Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
26	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA553601

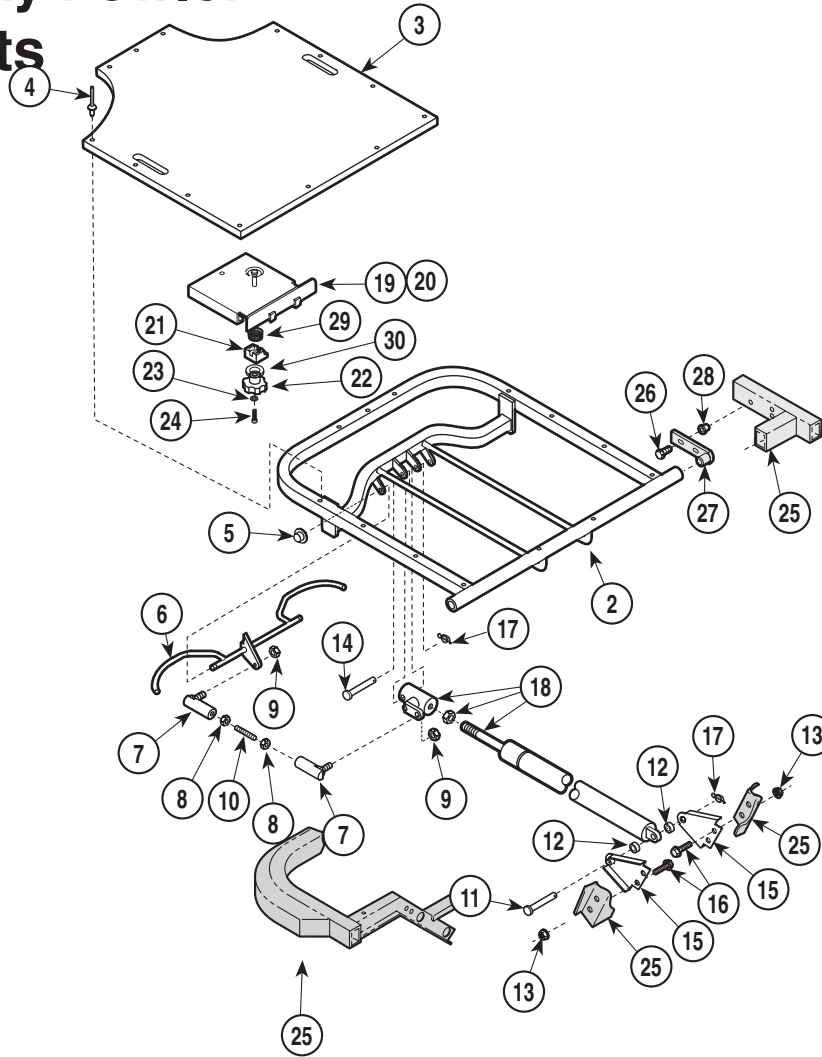
Used on Units with Serial Numbers:
TEG-1000 thru TEG-2006 **TEH-1000 thru TEH-1333**
TEW-1000 thru TEW-2643 **TEX-1000 thru TEX-1627**
TEZ-1000 thru TEZ-1149 **TFA-1000 thru TFA 1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59128001	Partial X-Ray Fowler [Narrow] (Includes Items 2 thru 25)	1	14	• 042-0005-05	• Clevis Pin	1
	59129001	Partial X-Ray Fowler [Wide] (Includes Items 2 thru 25)	1	15	• 550-0695-10	• Cylinder Bracket	2
2	• 530-0782-10	• Fowler Frame (Narrow)	1	16	• 040-0375-00	• Screws	4
	• 530-0782-11	• Fowler Frame (Wide)	1	17	• 040-0063-00	• Rue Ring	2
3	• 553-0290-00	• Fowler Top (Narrow)	1	18	•	• Fowler Actuator (Refer to "Fowler Actuator Assembly" Elsewhere)	Ref
	• 553-0290-01	• Fowler Top (Wide)	1	19	• 530-0812-10	• Plate Assembly Slide	1
4	• 042-0010-22	• Pop Rivet	13	20	• 053-0018-00	• Nylon Tape	30
5	• 904190	• Pushnut	2	21	• 551-0658-00	• Clamp	1
6	• 530-0781-01	• Fowler Handle (Narrow)	1	22	• 516-0059-00	• Clamping Knob	1
	• 530-0781-02	• Fowler Handle (Wide)	1	23	• 045-0001-87	• Washer	1
7	• 516-0007-00	• Ball Joint	2	24	• 040-0010-80	• Screw	1
8	• 041-0250-07	• Nut	2	25		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	• 041-0250-08	• Nut	2	26	040-0250-88	Screw	4
10	• 040-0250-102	• Set Screw	1	27	530-0410-00	Hinge	2
11	• 042-0005-04	• Clevis Pin	1	28	042-0045-06	Nutsert	4
12	• 553-0106-01	• Elastomer Spring	2	29	525-0001-00	Spring	1
13	• 041-0375-12	• Nut	4	30	553-0024-00	Spacer	1

Always Specify Model & Serial Number

Partial X-Ray Fowler Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
26	120 - 140 IN-LBS (13.5 - 15.8 N•M)

HA553601

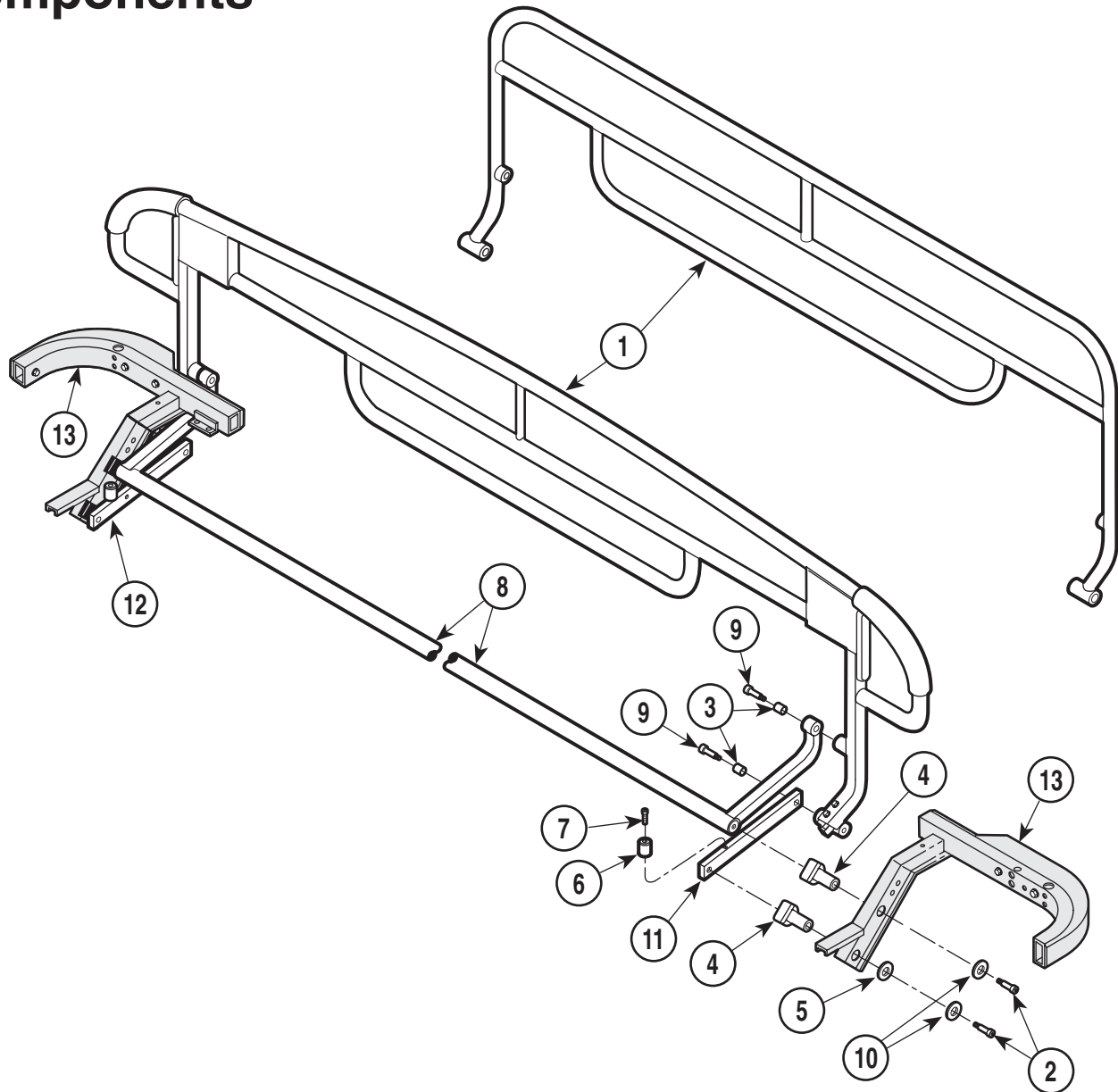
Used on Units with Serial Numbers:
TEG-2007 thru Present **TEH-1334 thru Present**
TEW-2644 thru Present **TEX-1628 thru Present**
TEZ-1150 thru Present **TFA-1065 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59176001	Partial X-Ray Fowler [Narrow] (Includes Items 2 thru 25)	1	14	• 042-0005-05	• Clevis Pin	1
	59177001	Partial X-Ray Fowler [Wide] (Includes Items 2 thru 25)	1	15	• 550-0695-10	• Cylinder Bracket	2
2	• 530-1054-10	• Fowler Frame (Narrow)	1	16	• 040-0375-00	• Screws	4
	• 530-1054-11	• Fowler Frame (Wide)	1	17	• 040-0063-00	• Rue Ring	2
3	• 553-0290-00	• Fowler Top (Narrow)	1	18	•	• Fowler Actuator (Refer to "Fowler Actuator Assembly" Elsewhere)	Ref
	• 553-0290-01	• Fowler Top (Wide)	1	19	• 530-0812-10	• Plate Assembly Slide	1
4	• 042-0010-22	• Pop Rivet	13	20	• 053-0018-00	• Nylon Tape	30
5	• 904190	• Pushnut	2	21	• 551-0658-10	• Clamp	1
6	• 530-0781-02	• Fowler Handle (Narrow)	1	22	• 516-0059-00	• Clamping Knob	1
	• 530-0781-03	• Fowler Handle (Wide)	1	23	• 045-0001-87	• Washer	1
7	• 516-0007-00	• Ball Joint	2	24	• 040-0010-80	• Screw	1
8	• 041-0250-07	• Nut	2	25		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	• 041-0250-08	• Nut	2	26	040-0250-88	Screw	4
10	• 040-0250-102	• Set Screw	1	27	551-0700-00	Hinge	2
11	• 042-0005-04	• Clevis Pin	1	28	042-0045-06	Nutsert	4
12	• 553-0106-01	• Elastomer Spring	2	29	525-0001-00	Spring	1
13	• 041-0375-10	• Nut	4	30	553-0024-00	Spacer	1

Always Specify Model & Serial Number

Siderail and Linkage Components

SECTION VI PARTS LIST



Note: Quantities listed are per side.

HA543300

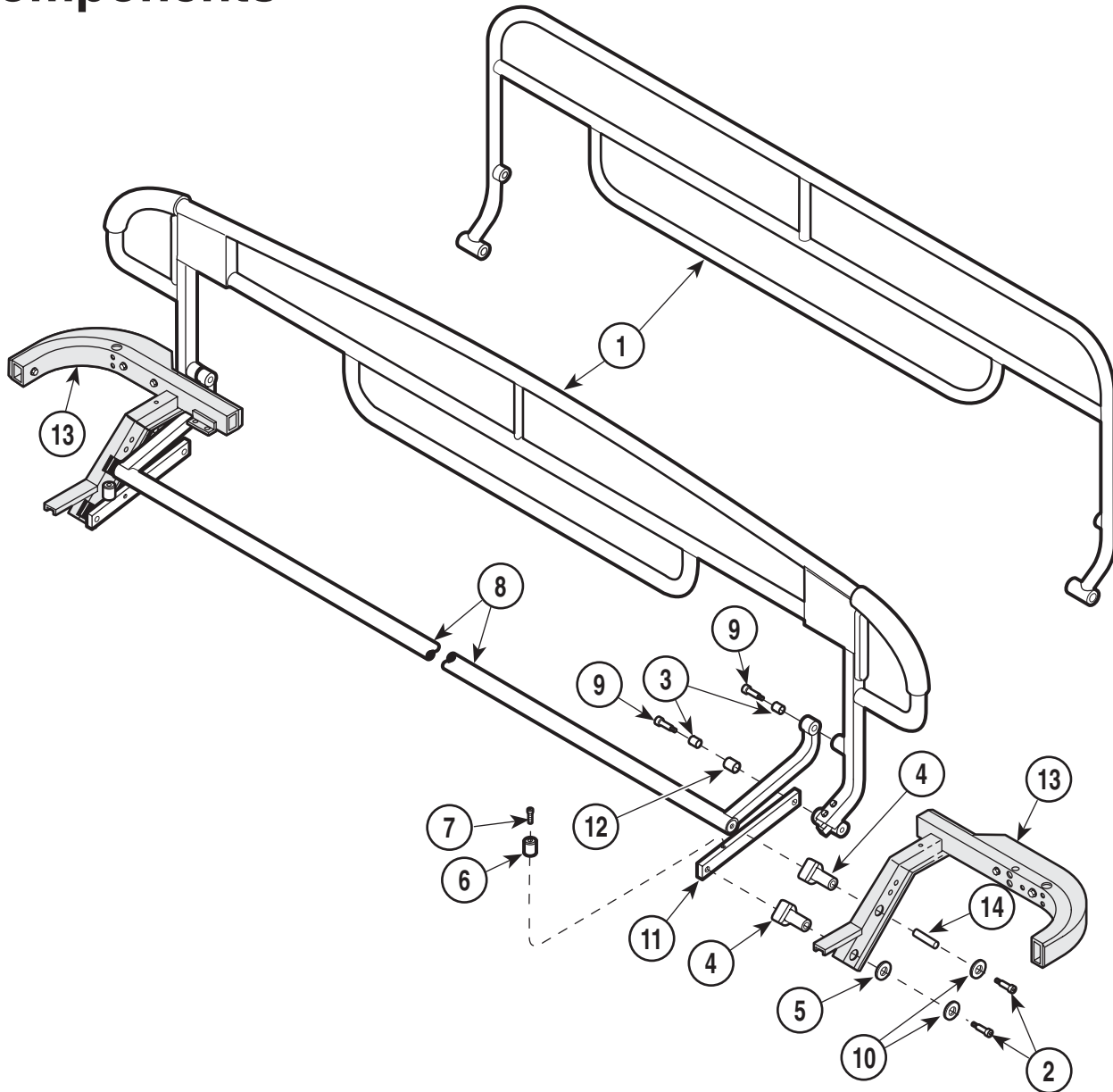
Used on Units with Serial Numbers:
TEG-1000 thru TEG-2006 **TEH-1000 thru TEH-1333**
TEW-1000 thru TEW-2643 **TEX-1000 thru TEX-1627**
TEZ-1000 thru TEZ-1149 **TFA-1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Siderail Assembly [550/555] (Refer to "Siderail Component" Elsewhere)	Ref	8	530-0885-10	Upper Link (Shown) (Obsolete) Replaced with 530-1042-10	
	530-0440-00	Siderail Weldment [540/545, 511/516]	2		530-0407-10	Upper Link (w/ Latch Holes)	1
2	042-0014-28	Shoulder Screw	4	9	042-0014-24	Shoulder Screw	4
3	016-0076-00	Bushing	4	10	045-0001-51	Washer	4
4	553-0103-00	Male Pivot Bearing	4	11	521-0078-11	Lower Link (55X Style)	1
5	553-0104-00	Pivot Bearing Spacer	2	12	521-0078-10	Lower Link (55X Style) w/CB Hole	1
6	553-0417-00	Bumper	2	13		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
7	040-0008-84	Screw	2				

Always Specify Model & Serial Number

Siderail and Linkage Components

SECTION VI PARTS LIST



Note: Quantities listed are per side.

HA543302

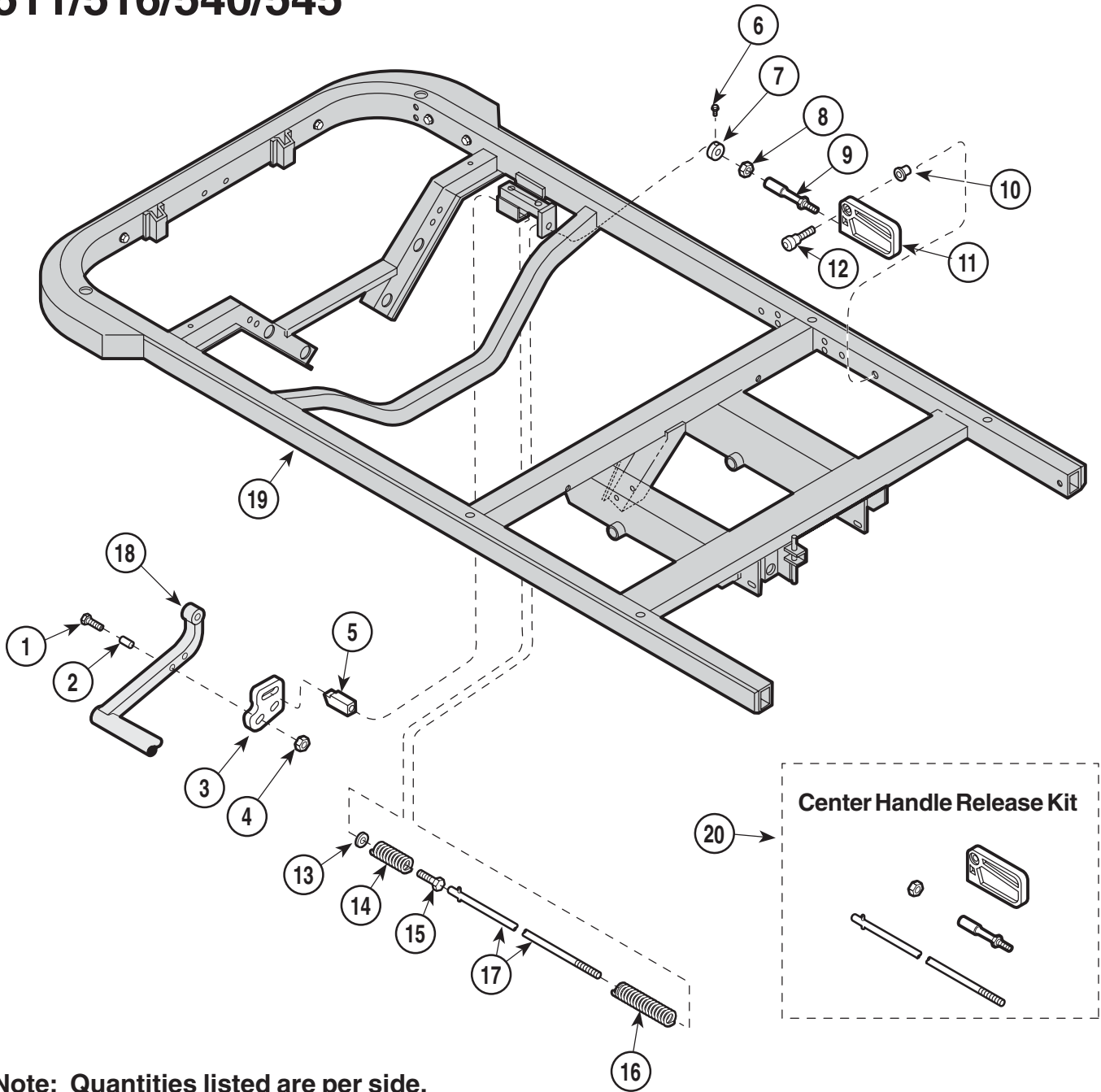
Used on Units with Serial Numbers: TEG-2007 thru Present, TEH-1334 thru Present, TEW-2644 thru Present, TEX-1628 thru Present, TEZ-1150 thru Present, and TFA-1065 thru Present

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	59147	Siderail Assembly [550/555](Refer to "Siderail Component" Elsewhere)	Ref	8	530-1042-10	Upper Link (w/ Latch Holes)	1
	59148	Siderail Assembly [540/545, 511/516]		9	040-0375-65	Shoulder Screw	4
	530-0440-00	Siderail Weldment [540/545, 511/516]	2	10	045-0001-01	Washer (K59147)	4
2	040-0375-64	Shoulder Screw	4			K59148	6
3	016-0076-00	Bushing	4	11	550-0989-10	Lower Link (55X Style)	2
4	553-0103-00	Male Pivot Bearing	4	12	551-0699-00	Spacer	4
5	553-0104-00	Pivot Bearing Spacer	3	13		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
6	553-0529-00	Bumper	2	14	551-0698-00	Spacer	4
7	040-0008-79	Screw	2				

Always Specify Model & Serial Number

Siderail Latch Components 511/516/540/545

SECTION I GENERAL INFORMATION



Note: Quantities listed are per side.

HA543601

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
		Siderail Latch Components (Includes Items 1 thru 19)	1	13	• 045-0001-47	• Washer	1
1	• 040-0250-92	• Screw	2	14	• 525-0016-00	• Latch Spring	1
2	• 016-0138-02	• Spacer	2	15	• 040-0250-91	• Adjusting Screw	1
3	• 551-0583-00	• Latch Strike	1	16	• 525-0015-00	• Rod Spring	1
4	• 041-0250-13	• Nut (order 502-0215-00)	2	17	• 557-0248-00	• Latch Rod (order 502-0215-00)	1
5	• 551-0663-00	• Latch Bolt	1	18		Upper Link (Refer to "Siderail Linkage Components" Elsewhere)	Ref
6	• 040-0010-87	• Set Screw	1	19		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
7	• 516-0416-00	• Collar	1	20	• 502-0215-00	Center Handle Release Kit	
8	• 041-0250-06	• Nut	1			• Latch Handle	
9	• 516-0103-00	• Ball Joint (order 502-0215-00)	1			• Latch Rod	
10	• 042-0045-05	• Nutsert	1			• Nut	
11	• 553-0135-00	• Latch Handle (order 502-0215-00)	1			• Ball Joint	
12	• 042-0014-20	• Shoulder Screw (Apply Loctite #042-0024-00)	1				

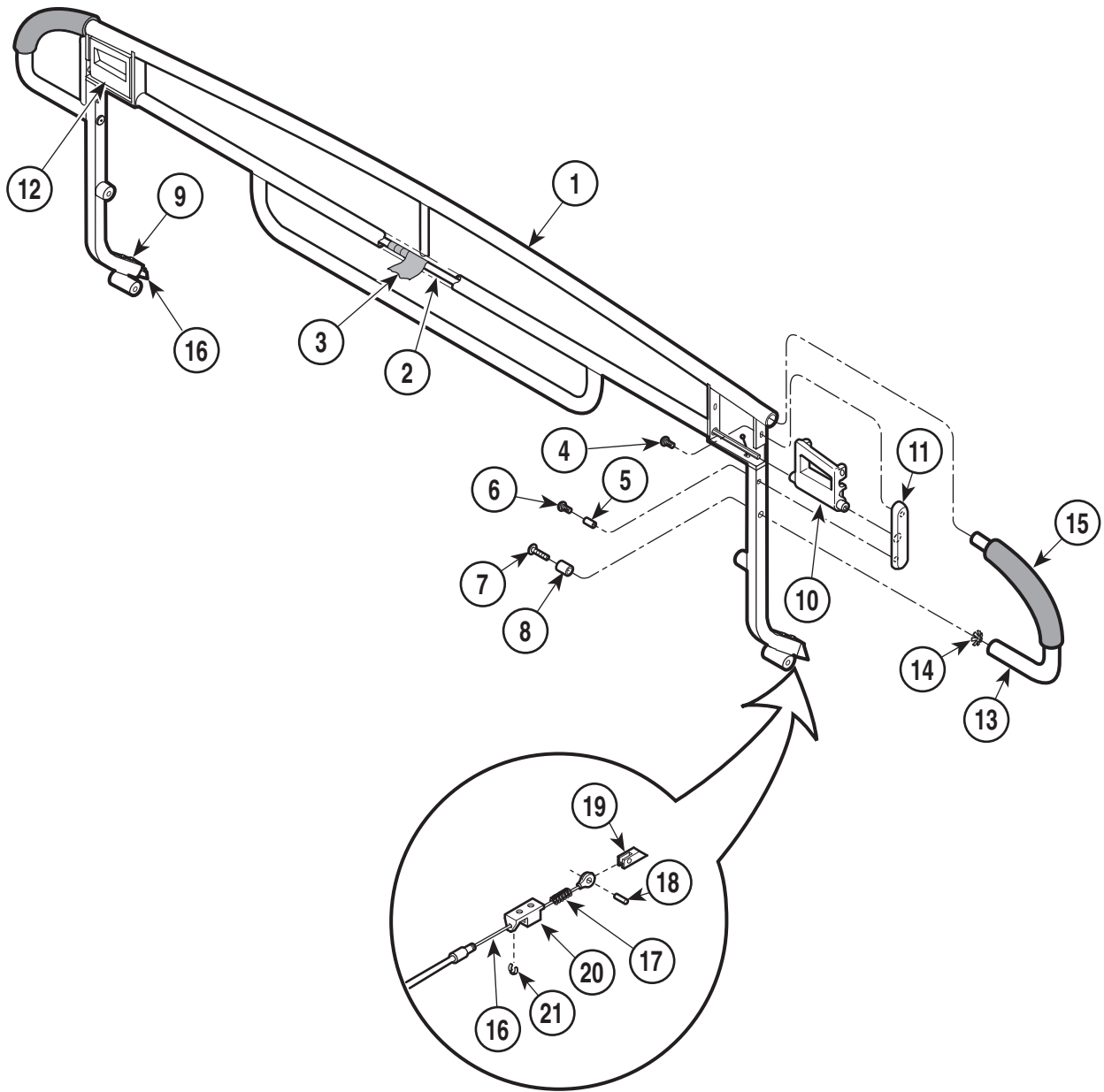
Always Specify Model & Serial Number

Siderail Components

550/555

SECTION VI

PARTS LIST



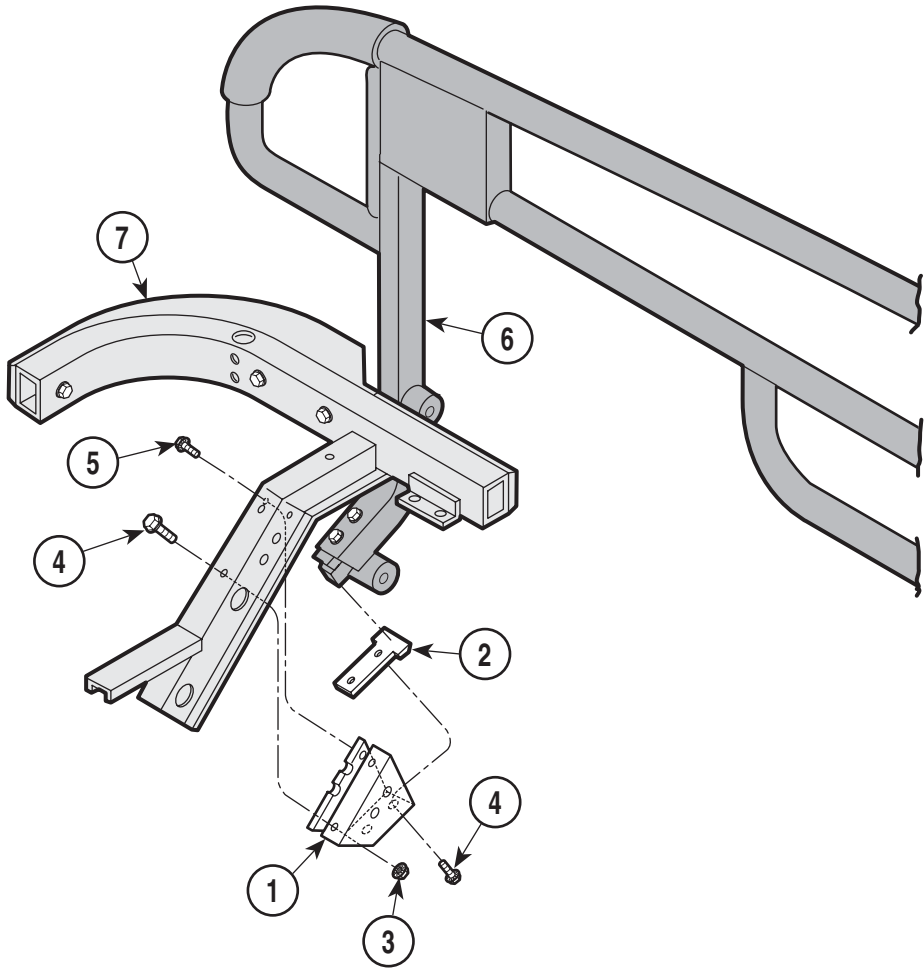
HA543501

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
•	502-0181-00	Siderail Kit R.H.			553-0420-00	Endcap LH	1
	502-0181-01	Siderail Kit L.H.		12	553-0338-00	Siderail Handle (L.H.)	1
1	530-0866-00	Siderail	1	13	552-0877-00	End Tube	2
2	529-0526-01	Release Shaft Assembly	1	14	042-0085-01	Tube Connector	2
3	050-0006-00	Duct Tape	AR	15	553-0466-00	Hand Grip	2
4	040-0010-109	Screw	2	16	516-0300-00	Siderail Cable Assembly	1
5	016-0138-16	Spacer	2	17	101191	Spring	1
6	040-0010-116	Screw	2	18	042-0001-15	Roll Pin	1
7	042-0059-07	Screw	2	19	520-0004-00	Lockout Bolt	1
8	016-0138-17	Spacer	2	20	520-0003-00	Lockout Body	1
9	040-0010-117	Screw	2	21	042-0065-00	Klipring	1
10	553-0337-00	Siderail Handle	1				
11	553-0419-00	Endcap RH	1				

Always Specify Model & Serial Number

Siderail Latch Components 550/555

SECTION VI PARTS LIST



HA543400

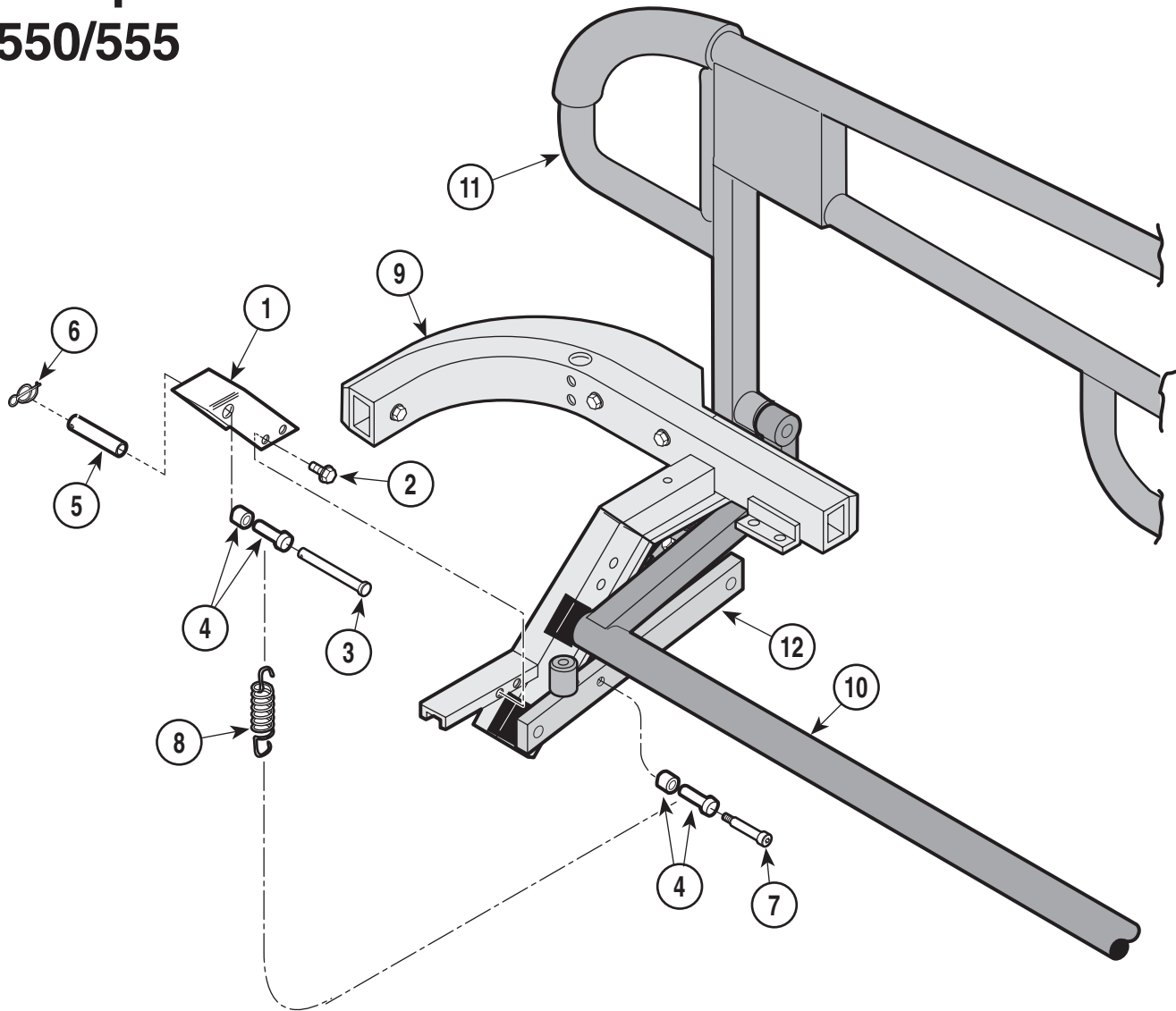
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	550-0843-10	Strike Plate Bracket	1	6		Siderail (Refer to "Siderail Components" Elsewhere)	Ref
2	551-0582-00	Strike Plate	1	7		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
3	041-0250-13	Nut	2				
4	040-0250-88	Screw	4				
5	040-0250-68	Screw	1				

Always Specify Model & Serial Number

Siderail Counter Balance Components

550/555

SECTION VI PARTS LIST



HA543900

Used on Units with Serial Numbers:
TEG-1000 thru TEG-2006 **TEH-1000 thru TEH-1333**
TEW-1000 thru TEW-2643 **TEX-1000 thru TEX-1627**
TEZ-1000 thru TEZ-1149 **TFA-1000 thru TFA 1064**

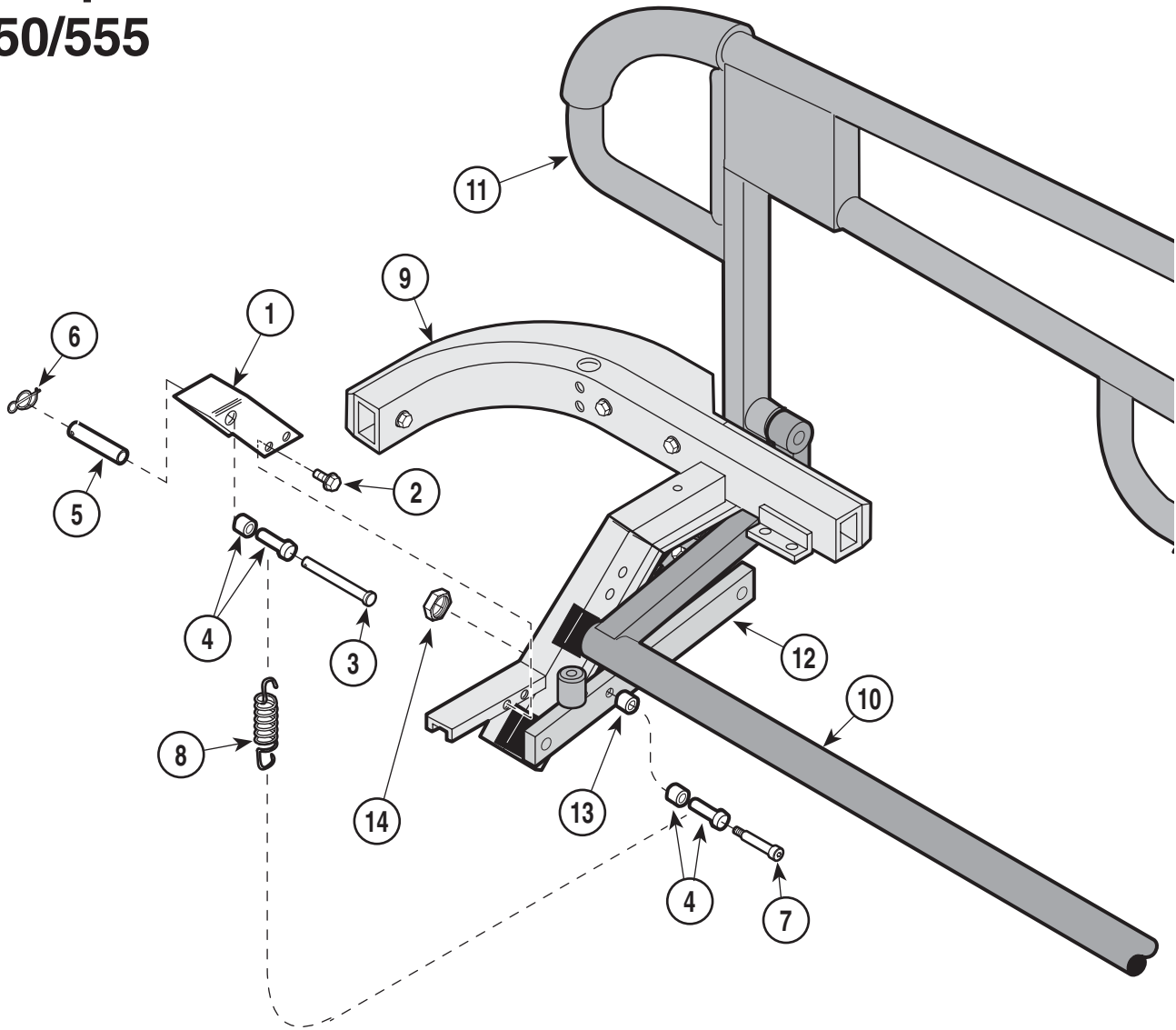
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	• 550-0974-10	Siderail Counter Balance		7	• 042-0014-37	• Shoulder Screw	2
	• 550-0974-11	• Spring Channel R.H.	1	8	• 525-0013-00	• Spring	2
2	• 040-0250-68	• Spring Channel L.H.	1	9		Litter (Refer to "Litter and Base	
3	• 042-0602-16	• Screw	8			Components" Elsewhere)	Ref
4	• 553-0455-00	• Clevis Pin	2	10		Upper Link (Refer to "Siderail Linkage	
	• 553-0456-00	• Spring Roller (male)	4			Components" Elsewhere)	Ref
	• 557-0866-00	• Spring Roller (female)	4	11		Siderail Assembly (Refer to "Siderail	
5		• Pin Sleeve	2			Components" Elsewhere)	Ref
6	• 042-0063-02	• Rue Ring	2	12		Lower Link (Refer to "Siderail Linkage	
						Components" Elsewhere)	Ref

Always Specify Model & Serial Number

Siderail Counter Balance Components

550/555

SECTION VI PARTS LIST



HA543900

Used on Units with Serial Numbers:
TEG-2007 thru Present **TEH-1334 thru Present**
TEW-2644 thru Present **TEX-1628 thru Present**
TEZ-1150 thru Present **TFA-1065 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	• 550-0974-10	Siderail Counter Balance	1	9		Litter (Refer to "Litter and Base Components" Elsewhere)	Ref
	• 550-0974-11	•Spring Channel R.H.	1	10		Upper Link (Refer to "Siderail Linkage Components" Elsewhere)	Ref
2	• 040-0250-68	• Screw	8	11		Siderail Assembly (Refer to "Siderail Components" Elsewhere)	Ref
3	• 042-0602-16	• Clevis Pin	2	12		Lower Link (Refer to "Siderail Linkage Components" Elsewhere)	Ref
4	• 553-0455-00	• Spring Roller (male)	4	13	553-0417-02	Spacer	2
	• 553-0456-00	• Spring Roller (female)	4	14	041-0250-13	Nut	
5	• 557-0866-00	• Pin Sleeve	2				
6	• 042-0063-02	• Rue Ring	2				
7	• 042-0014-42	• Shoulder Screw	2				
8	• 525-0013-00	• Spring	2				

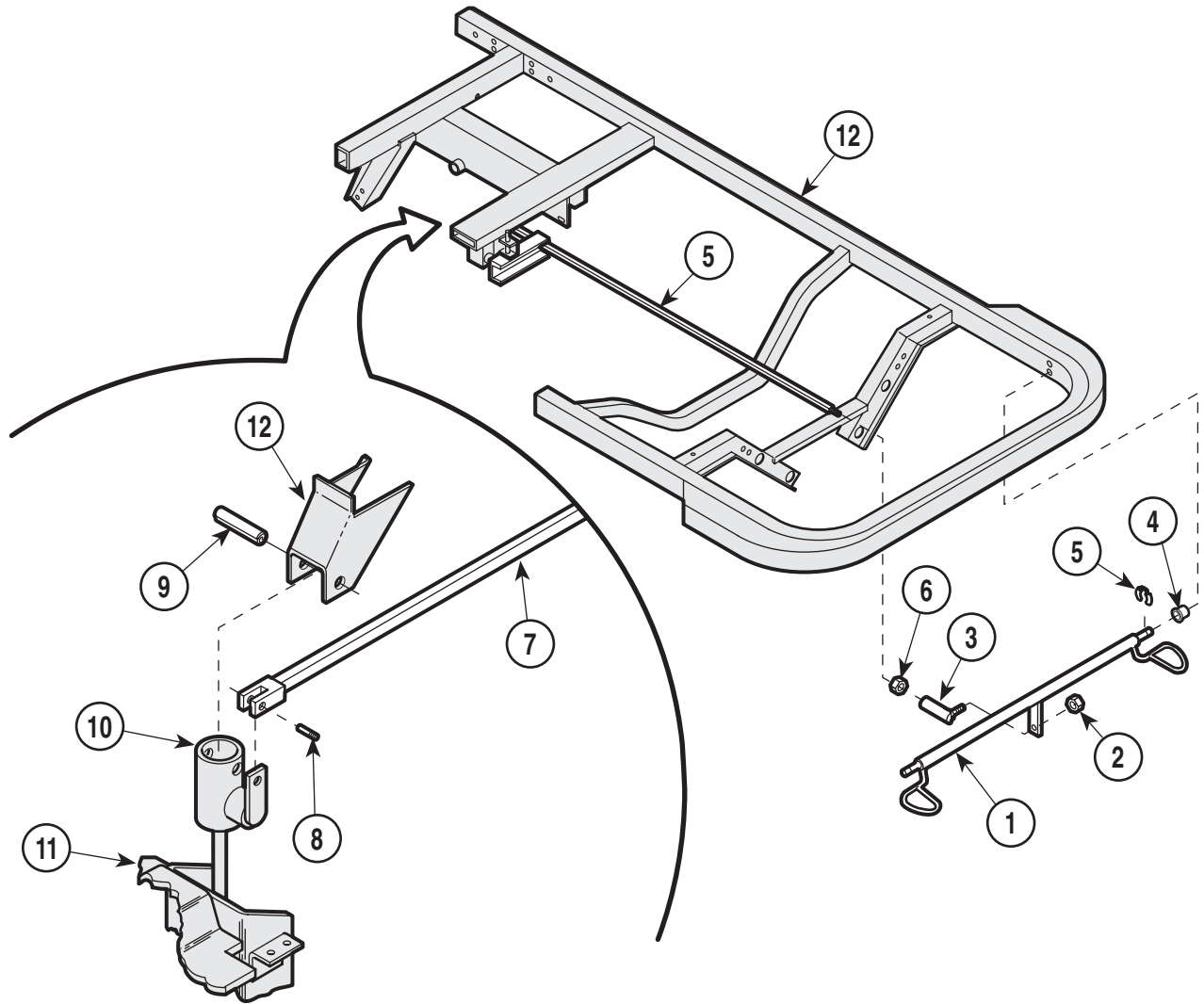
Always Specify Model & Serial Number

Trendelenburg Handle Components

511/516/540/545

SECTION VI

PARTS LIST



HA553700

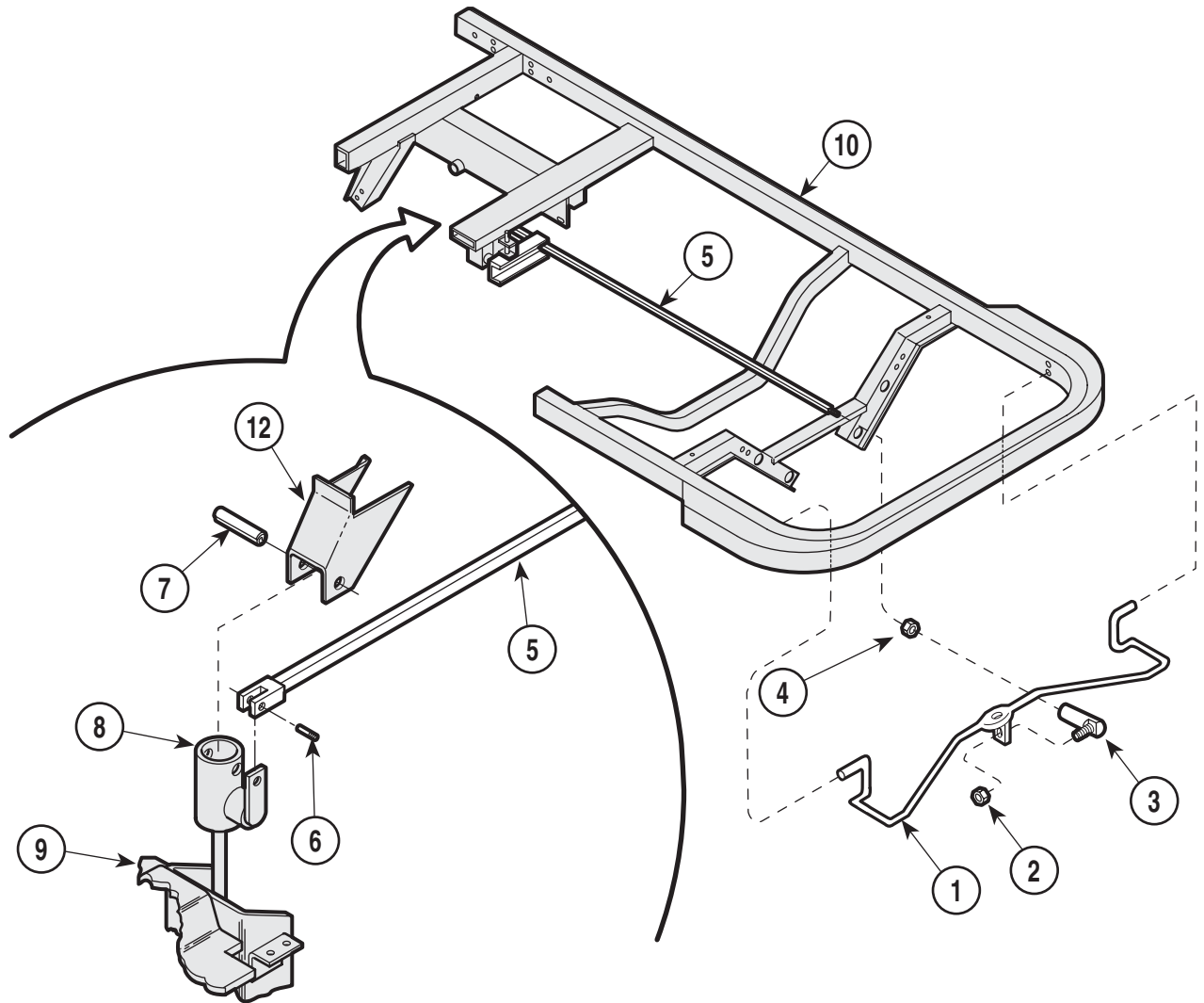
Used on Units with Serial Numbers:
TEZ-1000 thru TEZ-1149 **TFA-1000 thru TFA-1064**
TEW-1000 thru TEW-2643 **TEX-1000 thru TEX-1627**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	530-0858-10	Trend Handle (Narrow)	1	9	042-0011-02	Spirol Pin	1
	530-0858-11	Trend Handle (Wide)	1	10		Trendelenburg Actuator (Refer to "Trendelenburg Actuator Component" Elsewhere)	Ref
2	041-0250-08	Nylock Nut	1	11		Pivot Plate (Refer to "Chassis Components" Elsewhere)	Ref
3	516-0007-00	Ball Joint	1	12		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
4	016-0392-00	Flange Bearing	2				
5	042-0065-01	Klipping	2				
6	041-0250-07	Nut	1				
7	530-1025-11	Trend Handle Link Rod	1				
8	516-0002-00	Pivot Pin	1				

Always Specify Model & Serial Number

Trendelenburg Handle Components 511/516/540/545

SECTION VI PARTS LIST



HA553702

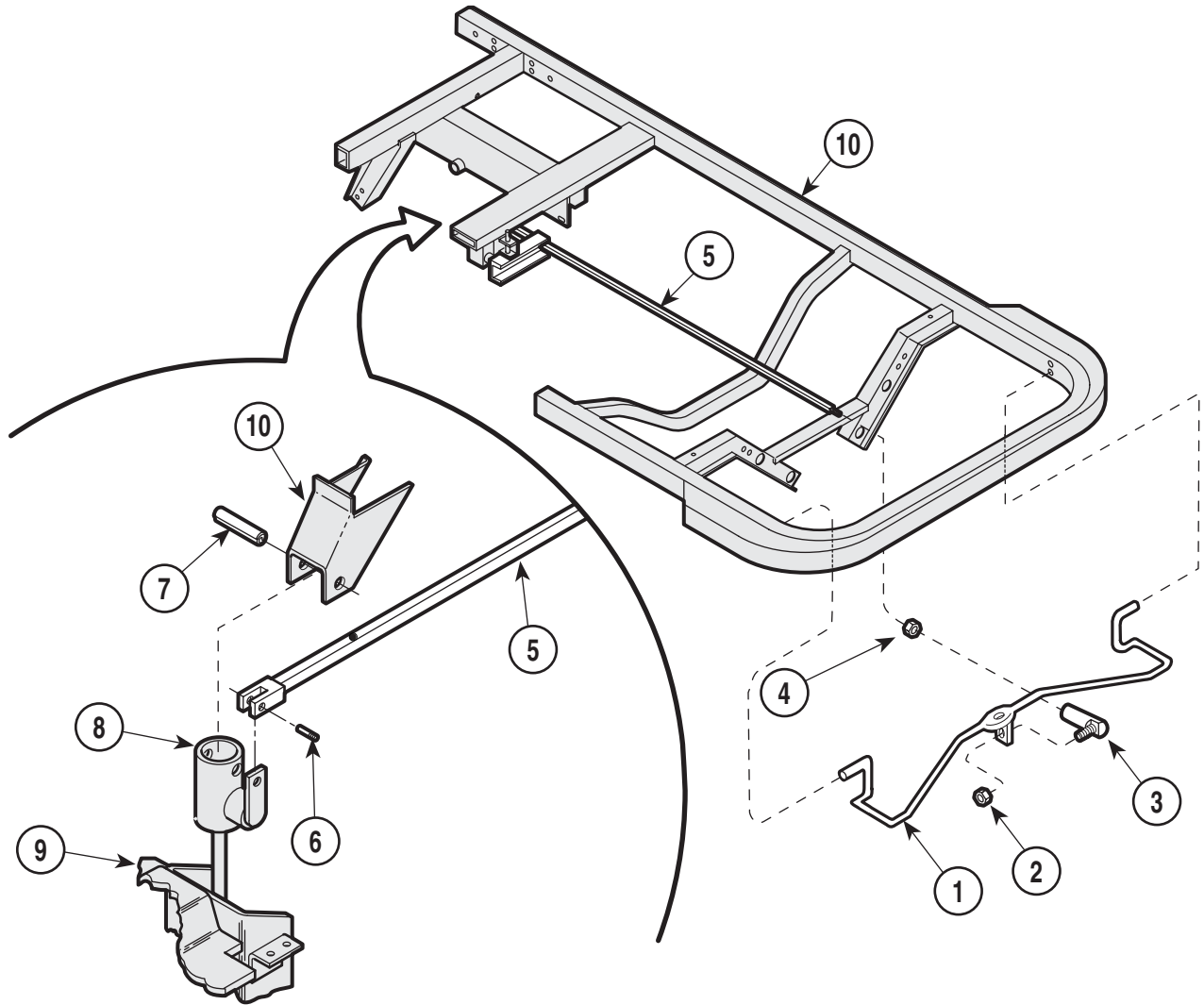
Used on Units with Serial Numbers:
TEZ-1150 thru TEZ-1278 **TFA-1065 thru TFA-1071**
TEW-2644 thru TEW-3131 **TEX-1628 thru TEX-1809**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	530-1053-00	Trend Handle (Narrow)	1	8		Trendelenburg Actuator (Refer to "Trendelenburg Actuator Component" Elsewhere)	Ref
	530-1053-01	Trend Handle (Wide)	1	9		Pivot Plate (Refer to "Chassis Components" Elsewhere)	Ref
2	041-0250-08	Nylock Nut	1	10		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
3	516-0007-00	Ball Joint	1				
4	016-0392-00	Flange Bearing	2				
5	530-1036-11	Trend Release Rod	1				
6	516-0002-00	Pivot Pin	1				
7	042-0011-02	Spirol Pin	1				

Always Specify Model & Serial Number

Trendelenburg Handle Components 511/516/540/545

SECTION VI PARTS LIST



HA553702

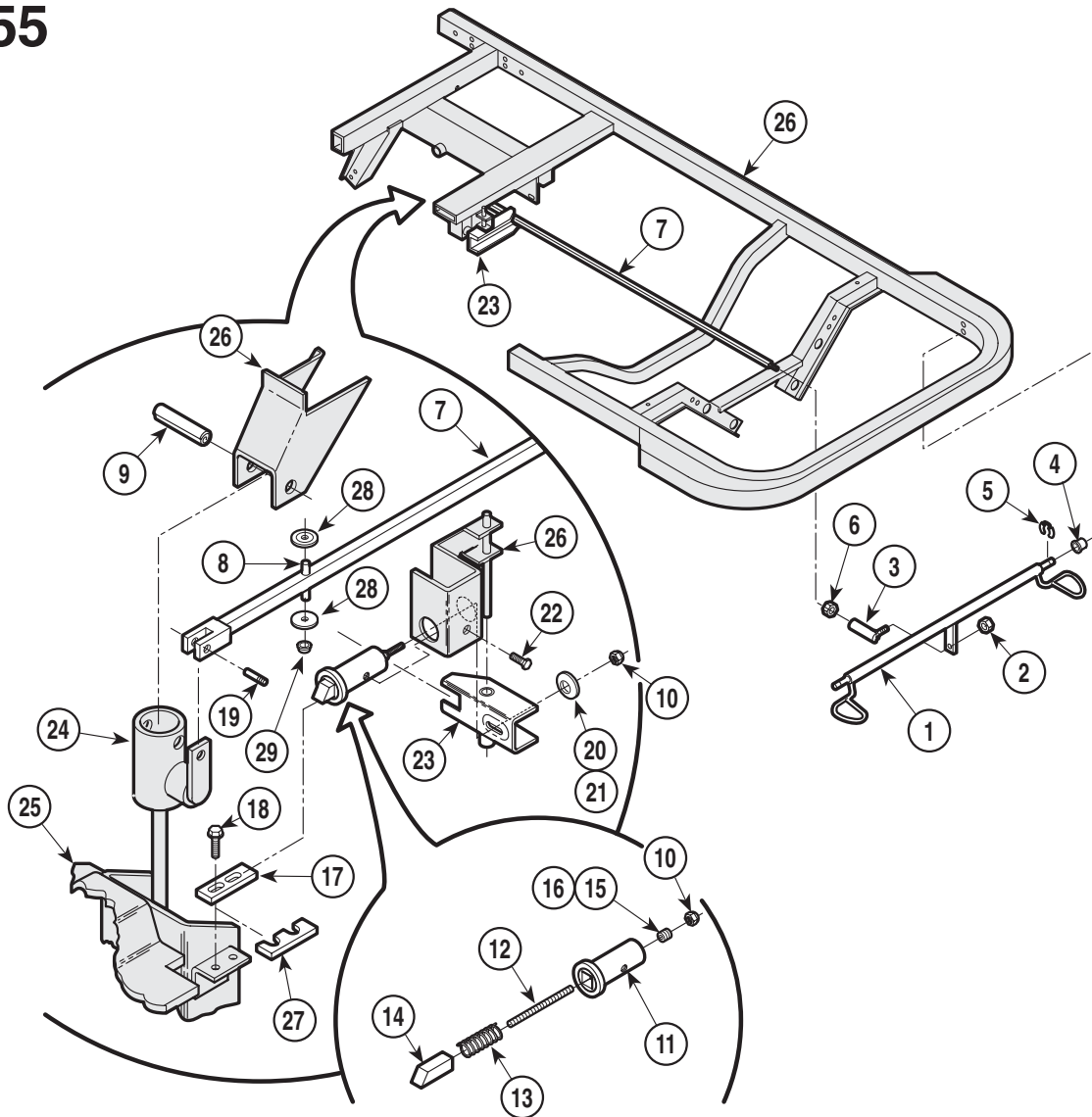
Used on Units with Serial Numbers:
TEZ-1279 thru Present **TFA-1072 thru Present**
TEW-3132 thru Present **TEX-1810 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	530-1062-00	Trend Handle (Narrow)	1	5	530-1063-10	Trend Release Rod	1
	530-1062-01	Trend Handle (Wide)	1	6	040-0250-145	Bolt	1
	530-0858-00	Trend Handle Weldment (Narrow) {used on units with crank fowler}.....	1	7	042-0011-03	Spirol Pin	1
	530-0858-01	Trend Handle Weldment (Narrow) {used on units with crank fowler}.....	1	8		Trendelenburg Actuator (Refer to "Trendelenburg Actuator Component" Elsewhere)	Ref
2	041-0250-08	Nylock Nut	1	9		Pivot Plate (Refer to "Chassis Components" Elsewhere)	Ref
3	516-0007-00	Ball Joint	1	10		Litter Frame (Refer to "Litter Frame	
4	041-0250-07	Nut	1				

Always Specify Model & Serial Number

Trendelenburg Handle Components 550/555

SECTION VI PARTS LIST



HA542902

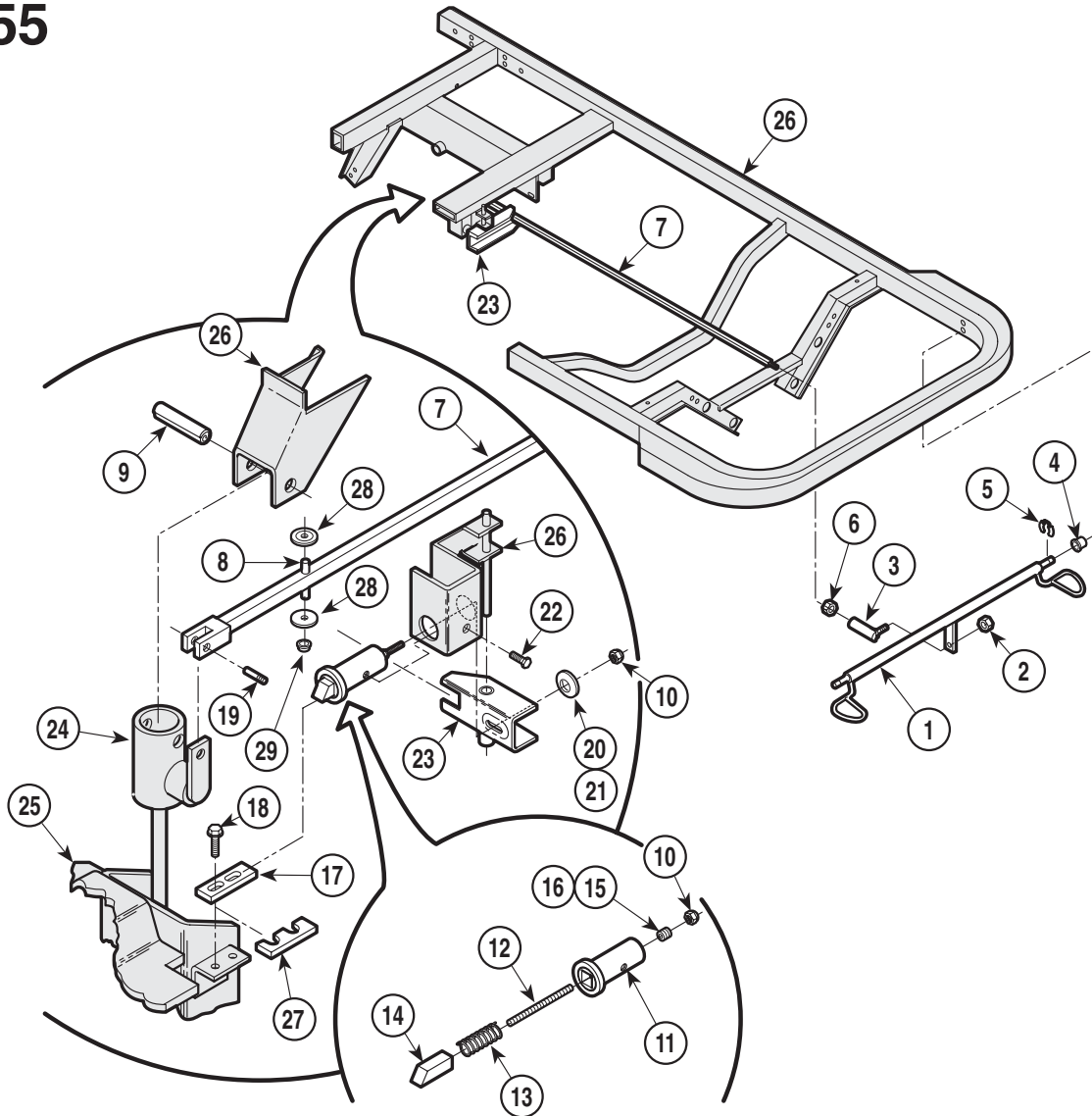
Used on Units with Serial Numbers: TEG-1000 thru TEG-1063 TEH-1000 thru TEH-1026

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	530-0858-10	Trend Handle (Narrow)	1	17	551-0015-00	Strike Plate	1
	530-0858-11	Trend Handle (Wide)	1	18	040-0250-122	Screw	2
2	041-0250-08	Nylock Nut	1	19	516-0002-00	Pivot Pin	1
3	516-0007-00	Ball Joint	1	20	045-0001-90	Spherical Washer	1
4	016-0392-00	Flange Bearing	2	21	S066-00010	Never-Seez	AR
5	042-0065-01	Klipring	2	22	040-0250-132	Screw	1
6	041-0250-07	Nut	1	23	530-0886-00	Swivel Weldment	1
7	530-0888-10	Trend Handle Link Rod	1	24		Trendelenburg Actuator (Refer to "Trendelenburg Actuator Component" Elsewhere)	Ref
8	042-0043-11	Groove Pin	1	25		Pivot Plate (Refer to "Chassis Components" Elsewhere)	Ref
9	042-0011-03	Spiral Pin	1	26		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
10	041-0010-02	Nylock Nut	2	27	550-0799-00	Shim	2
11	530-0088-00	Broached Sleeve	1				
12	516-0004-00	Trend Thd, Rod	1				
13	101191	Latch Bolt Spring	1				
14	551-0044-00	Latch Bolt	1				
15	516-0010-00	Plug	1				
16	042-0025-00	Loctite	AR				

Always Specify Model & Serial Number

Trendelenburg Handle Components 550/555

SECTION VI PARTS LIST



HA542902

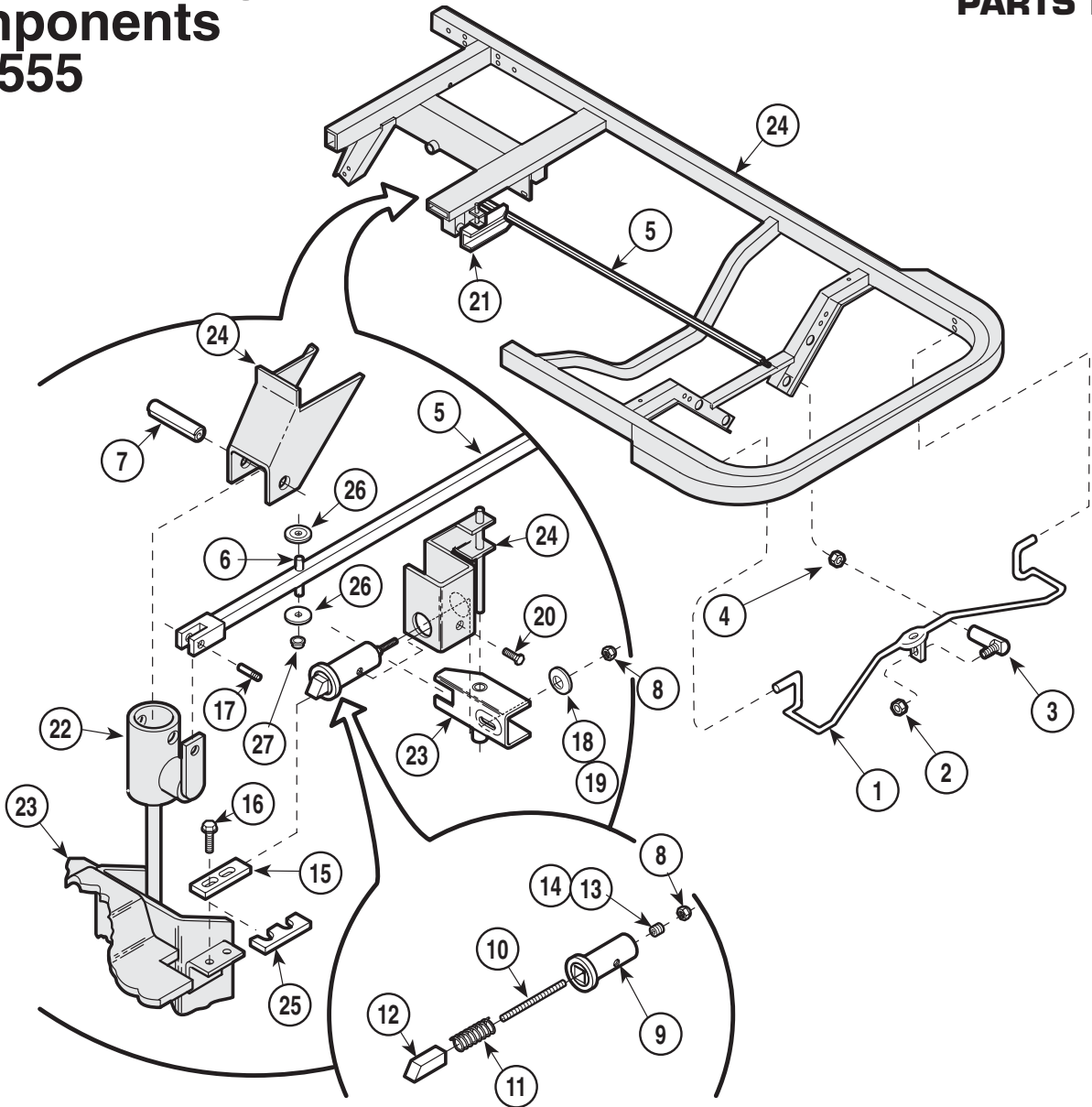
Used on Units with Serial Numbers: TEG-1064 thru TEG-2006 TEH-1026 thru TEH-1333

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	530-0858-10	Trend Handle (Narrow)	1	17	551-0015-00	Strike Plate	1
	530-0858-11	Trend Handle (Wide)	1	18	040-0250-122	Screw	2
2	041-0250-08	Nylock Nut	1	19	516-0002-00	Pivot Pin	1
3	516-0007-00	Ball Joint	1	20	045-0001-90	Spherical Washer	1
4	016-0392-00	Flange Bearing	2	21	064-0015-00	Lubricant	AR
5	042-0065-01	Klipring	2	22	040-0250-132	Screw	1
6	041-0250-07	Nut	1	23	530-0933-00	Swivel Weldment	1
7	530-1025-10	Trend Handle Link Rod	1	24		Trendelenburg Actuator (Refer to "Trendelenburg Actuator Component" Elsewhere)	Ref
8	042-0602-18	Groove Pin	1	25		Pivot Plate (Refer to "Chassis Components" Elsewhere)	Ref
9	042-0011-03	Spiral Pin	1	26		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
10	041-0010-02	Nylock Nut	2	27	550-0799-00	Shim	2
11	530-0088-00	Broached Sleeve	1	28	553-0431-00	Roller	2
12	516-0004-00	Trend Thd, Rod	1	29	041-0009-00	Push Nut	1
13	101191	Latch Bolt Spring	1				
14	551-0044-00	Latch Bolt	1				
15	516-0010-00	Plug	1				
16	042-0025-00	Loctite	AR				

Always Specify Model & Serial Number

Trendelenburg Handle Components 550/555

SECTION VI PARTS LIST



HA542903

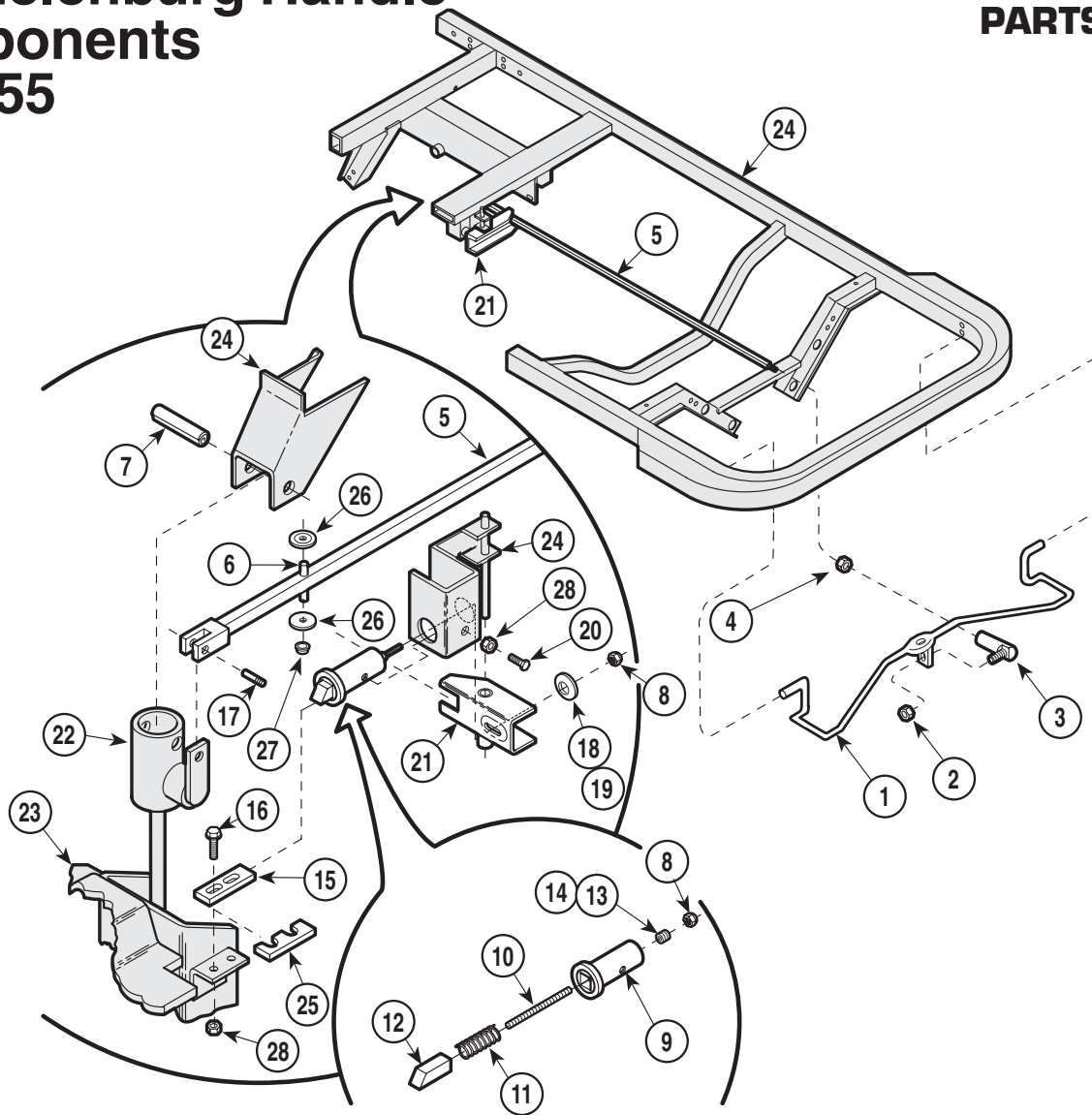
**Used on Units with Serial Numbers:
TEG-2007 thru TEG-2203 TEH-1334 thru TEH-1439**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	530-1062-00	Trend Handle (Narrow)	1	16	040-0250-122	Screw	2
	530-1062-01	Trend Handle (Wide)	1	17	516-0002-00	Pivot Pin	1
2	041-0250-08	Nylock Nut	1	18	045-0001-90	Spherical Washer	1
3	516-0007-00	Ball Joint	1	19	064-0015-00	Lubricant	AR
4	016-0392-00	Flange Bearing	2	20	040-0250-132	Screw	1
5	530-1063-10	Trend Handle Link Rod	1	21	530-0933-00	Swivel Weldment	1
6	042-0602-18	Groove Pin	1	22		Trendelenburg Actuator (Refer to "Trendelenburg Actuator Component" Elsewhere)	Ref
7	042-0011-03	Spiral Pin	1	23		Pivot Plate (Refer to "Chassis Components" Elsewhere)	Ref
8	041-0010-02	Nylock Nut	2	24		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
9	530-0088-00	Broached Sleeve	1	25	550-0799-00	Shim	2
10	516-0004-00	Trend Thd, Rod	1	26	553-0431-00	Roller	2
11	101191	Latch Bolt Spring	1	27	041-0009-00	Push Nut	1
12	551-0044-00	Latch Bolt	1				
13	516-0010-00	Plug	1				
14	042-0025-00	Loctite	AR				
15	551-0015-00	Strike Plate	1				

Always Specify Model & Serial Number

Trendelenburg Handle Components 550/555

SECTION VI PARTS LIST



HA542904

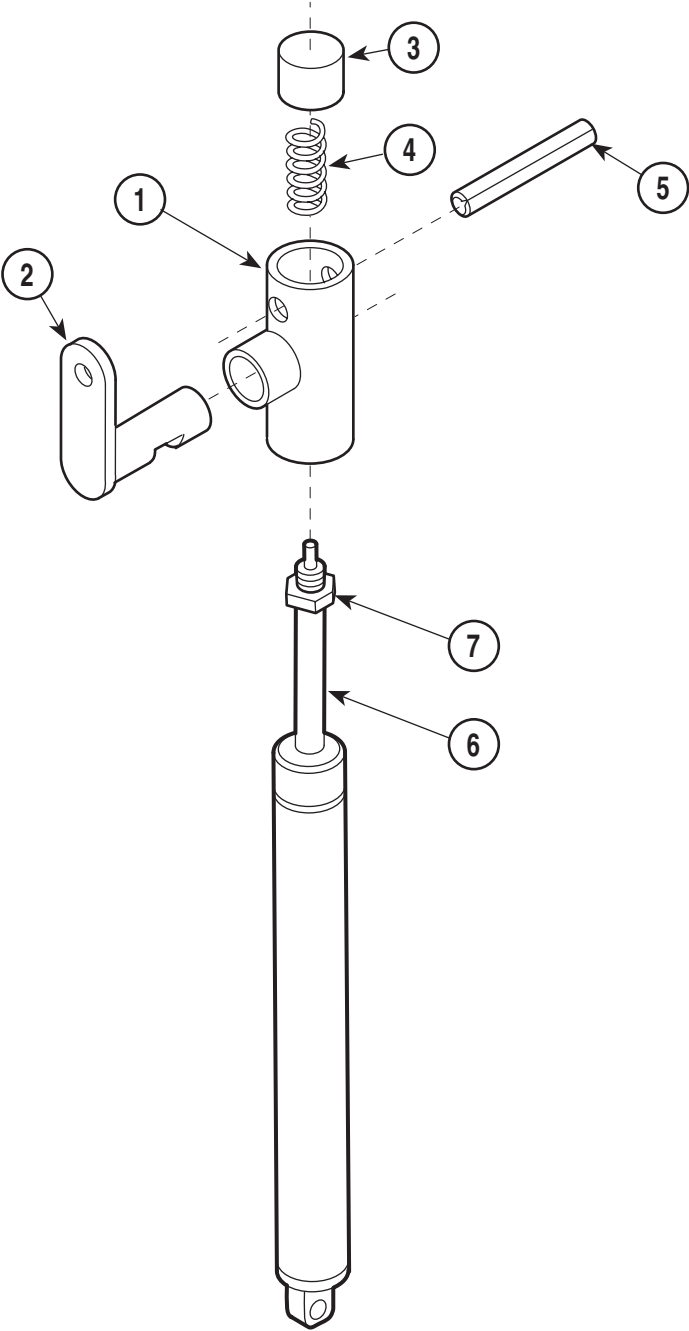
Used on Units with Serial Numbers: TEG-2204 thru Present TEH-1440 thru Present

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	530-1062-00	Trend Handle (Narrow)	1	15	551-0015-00	Strike Plate	1
	530-1062-01	Trend Handle (Wide)	1	16	040-0250-95	Screw	2
	530-0858-00	Trend Handle Weldment (Narrow) {used on units with crank fowler	1	17	040-0250-145	Screw	1
	530-0858-01	Trend Handle Weldment (Narrow) {used on units with crank fowler	1	18	045-0001-90	Spherical Washer	1
2	041-0250-08	Nylock Nut	1	19	064-0015-00	Lubricant	AR
3	516-0007-00	Ball Joint	1	20	040-0250-70	Screw	1
4	041-0250-07	Jam Nut	1	21	530-1061-00	Swivel Weldment	1
5	530-1063-10	Trend Handle Link Rod	1	22		Trendelenburg Actuator (Refer to "Trendelenburg Actuator Component" Elsewhere)	Ref
6	042-0602-18	Groove Pin	1	23		Pivot Plate (Refer to "Chassis Components" Elsewhere)	Ref
7	042-0011-03	Spirol Pin	1	24		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref
8	041-0010-02	Nylock Nut	2	25	550-0799-00	Shim	2
9	530-0088-00	Broached Sleeve	1	26	553-0431-00	Roller	2
10	557-0881-00	Trend Thd, Rod	1	27	041-0009-00	Push Nut	1
11	101191	Latch Bolt Spring	1	28	041-0250-13	Nut	3
12	551-0707-00	Latch Bolt	1				
13	516-0414-00	Plug	1				
14	042-0025-00	Loctite	AR				

Always Specify Model & Serial Number

Trendelenburg Actuator Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
7	12 - 17 FT-LBS (16.2 - 23.0 N•M)

HA543000

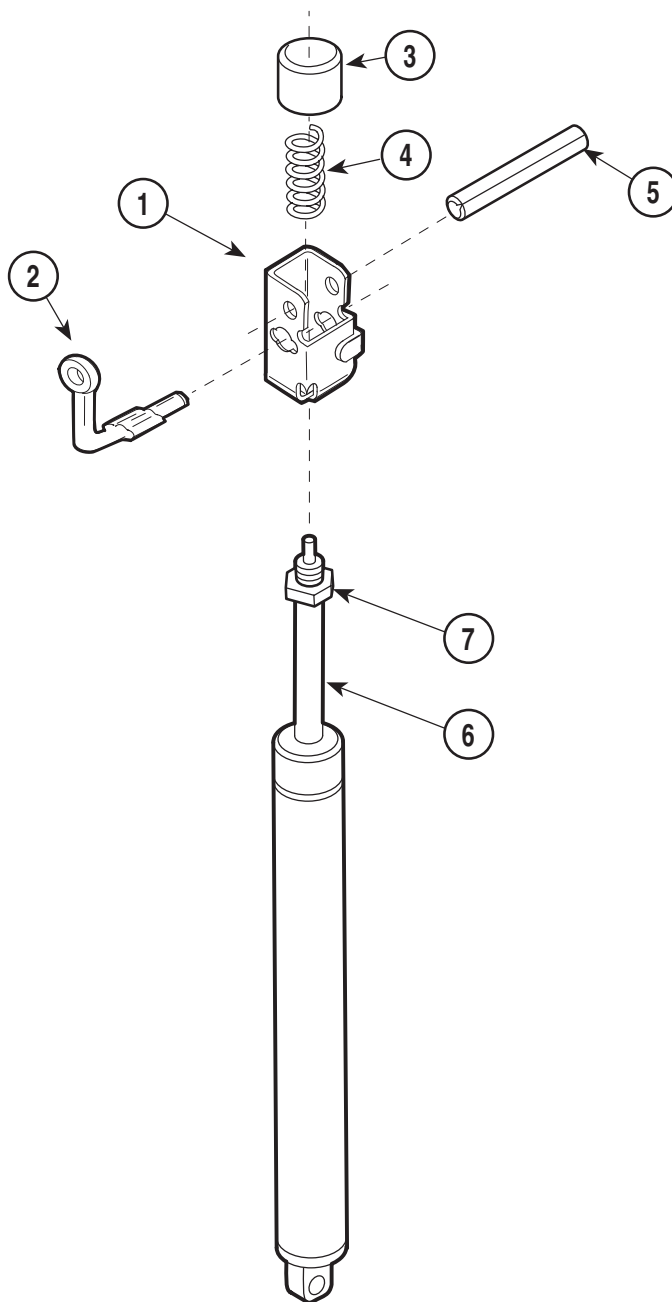
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1501 **TEH-1000 thru TEH-1146**
TEW-1000 thru TEW-1344 **TEX-1000 thru TEX1127**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	529-0253-01	Trend Actuator Assembly (Includes Items 1 thru 4)	1	4	• 525-0001-00	• Spring	1
1	• 530-0499-00	• Trend Actuator Body	1	5		Clevis Pin (Refer to "Trendelenburg Components" Elsewhere)	Ref
2	• 530-0501-00	• Trend Actuator	1	6	103132	Gas Spring (Includes Items 7)	1
3	• 553-0005-00	• Piston	1	7	•	• Nut	1

Always Specify Model & Serial Number

Trendelenburg Actuator Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
7	12 - 17 FT-LBS (16.2 - 23.0 N•M)

HA543001

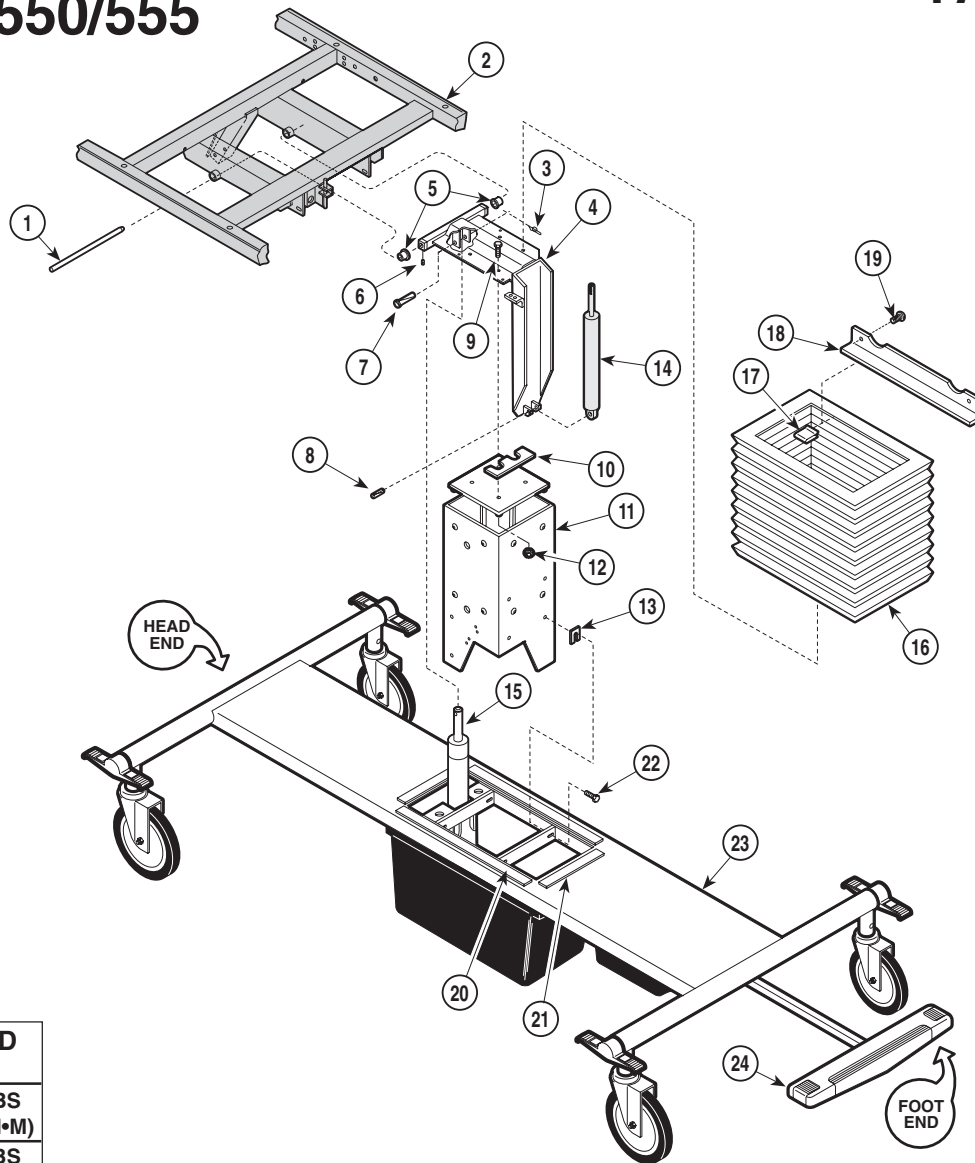
Used on Units with Serial Numbers:
TEG-1502 thru Present **TEH-1147 thru Present**
TEW-1345 thru Present **TEX-1128 thru Present**
TEZ-1000 thru Present **TFA-1000 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	529-0647-01	Trend Actuator Assembly (Includes Items 1 thru 4)	1	4	• 525-0001-00	• Spring	1
1	• 550-0841-00	• Trend Actuator Body	1	5		Clevis Pin (Refer to "Trendelenburg Components" Elsewhere)	Ref
2	• 557-0806-01	• Trend Actuator	1	6	103132	Gas Spring (Includes Items 7)	1
3	• 553-0448-00	• Piston	1	7	•	• Nut	1

Always Specify Model & Serial Number

Chassis Components 540/545/550/555

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
22	35 - 40 FT-LBS (47.5 - 54.2 N•M)
9	35 - 40 FT-LBS (47.5 - 54.2 N•M)

HA543800

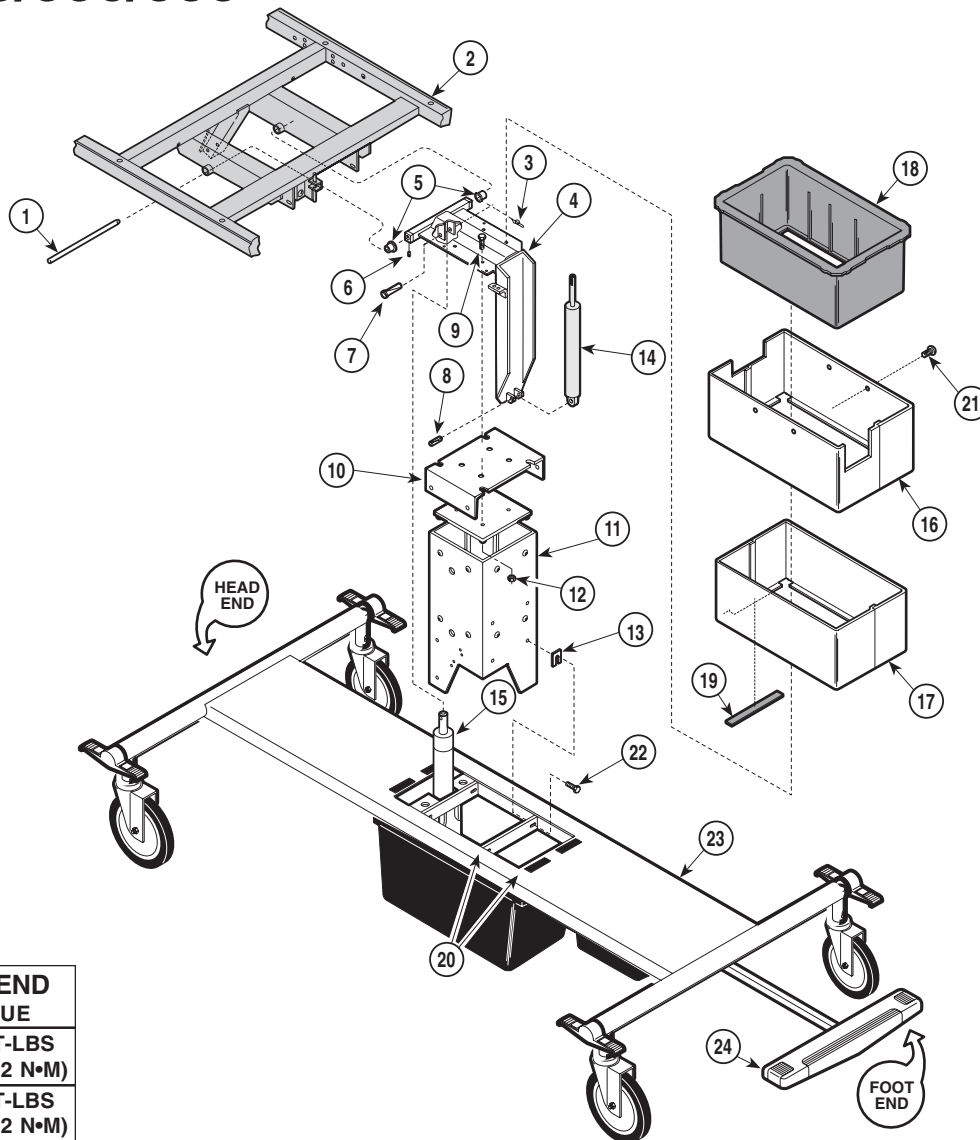
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1264 **TEH-1000 thru TEH-1092**
TEW-1000 thru TEW-1008 **TEX-1000 thru TEX-1001**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	551-0019-00	Pivot Shaft	1	14		Gas Spring (Refer to "Trendelenburg Actuator Components" Elsewhere)	Ref
2		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref	15		Elevation Cylinder (Refer to "Elevation Cylinder Assembly" Elsewhere)	Ref
3	042-0063-00	Rue Ring	1	16	516-0023-00	Bellows	1
4	530-0391-10	Pivot Plate Assembly	1	17	042-0071-00	Clip	4
5	016-0131-06	Flange Bearing	2	18	550-0212-00	Bellows Bracket	2
6	040-0312-28	Set Screw	2	19	040-0010-18	Screw	4
7	042-0602-03	Clevis Pin	1	20	053-0131-07	Velcro	2
8	042-0011-03	Spiral Pin	1	21	053-0131-10	Velcro	2
9	040-0375-38	Bolt	4	22	040-0375-00	Bolt	4
10	550-0806-00	Shim	2	23		Chassis Frame (Refer to "Caster Linkage Components" Elsewhere)	Ref
11		Elevation Column (Refer to "Elevation Column Assembly" Elsewhere)	Ref	24		Pump Pedal (Refer to "Hydraulic Linkage Components" Elsewhere)	Ref
12	041-0375-12	Nut	4				
13	550-0082-00	Shim	AR				

Always Specify Model & Serial Number

Chassis Components 540/545/550/555

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
22	35 - 40 FT-LBS (47.5 - 54.2 N•M)
9	35 - 40 FT-LBS (47.5 - 54.2 N•M)

HA553902

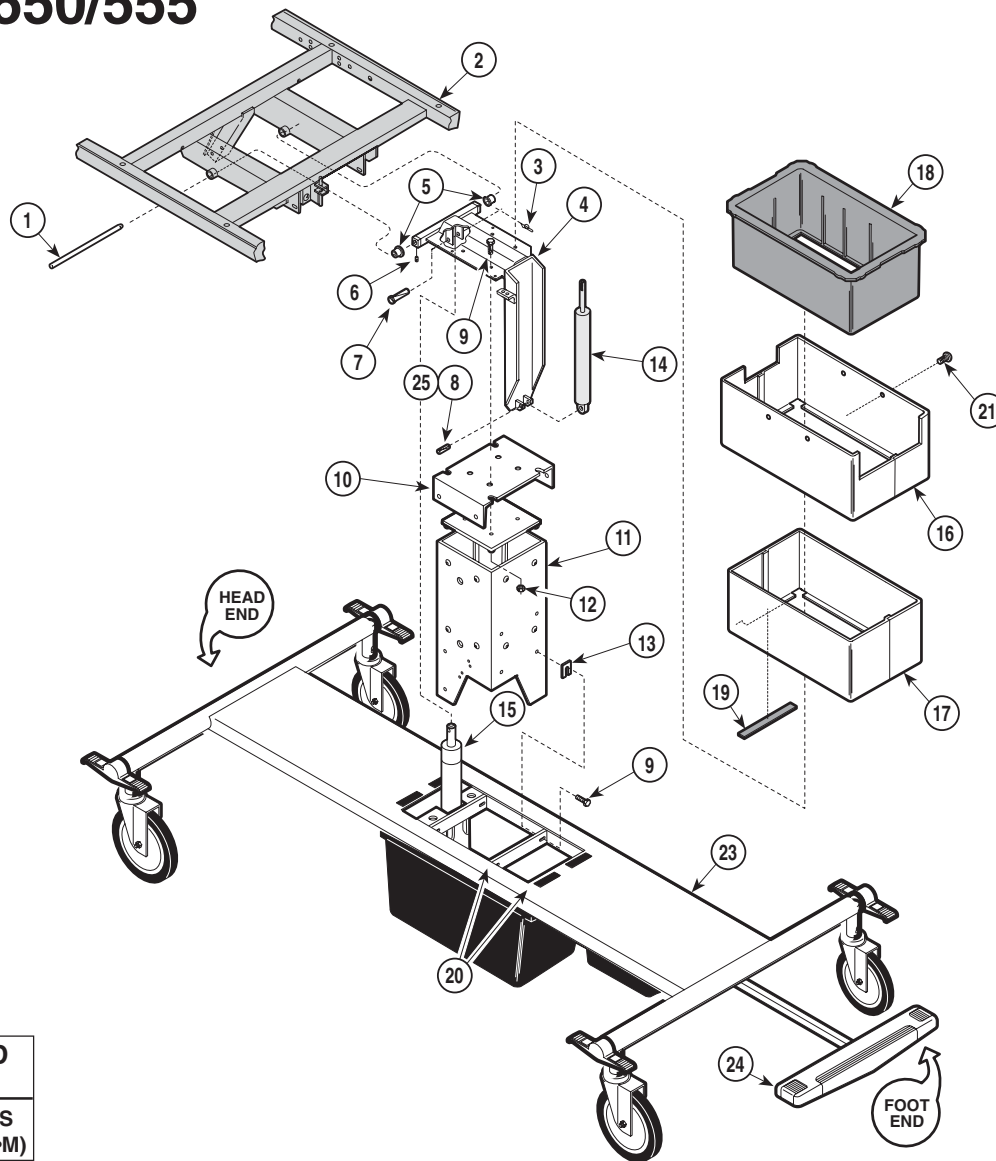
Used on Units with Serial Numbers:
TEG-1265 thru TEG-2006 TEH-1093 thru TEH-1333
TEW-1009 thru TEW-2643 TEX-1002 thru TEX-1627

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	551-0019-00	Pivot Shaft	1	14		Gas Spring (Refer to "Trendelenburg Actuator Components" Elsewhere)	Ref
2		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref	15		Elevation Cylinder (Refer to "Elevation Cylinder Assembly" Elsewhere)	Ref
3	042-0063-00	Rue Ring	1	16	530-0890-10	Upper Cover	1
4	530-0391-10	Pivot Plate Assembly	1	17	530-0889-10	Lower Cover	1
5	016-0131-06	Flange Bearing	2	18	553-0370-00	Center Cover	1
6	040-0312-28	Set Screw	2	19	053-0105-33	Velcro	4
7	042-0602-03	Clevis Pin	1	20	053-0131-31	Velcro	4
8	042-0011-03	Spiral Pin	1	21	040-0010-62	Screw	4
9	040-0375-38	Bolt	4	22	040-0375-00	Bolt	4
10	550-0767-10	Cover Mounting Bracket	1	23		Chassis Frame (Refer to "Caster Linkage Components" Elsewhere)	Ref
11		Elevation Column (Refer to "Elevation Column Assembly" Elsewhere)	Ref	24		Pump Pedal (Refer to "Hydraulic	
12	041-0375-12	Nut	4				
13	550-0082-00	Shim	AR				

Always Specify Model & Serial Number

Chassis Components 540/545/550/555

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
9	35 - 40 FT-LBS (47.5 - 54.2 N•M)

HA553902

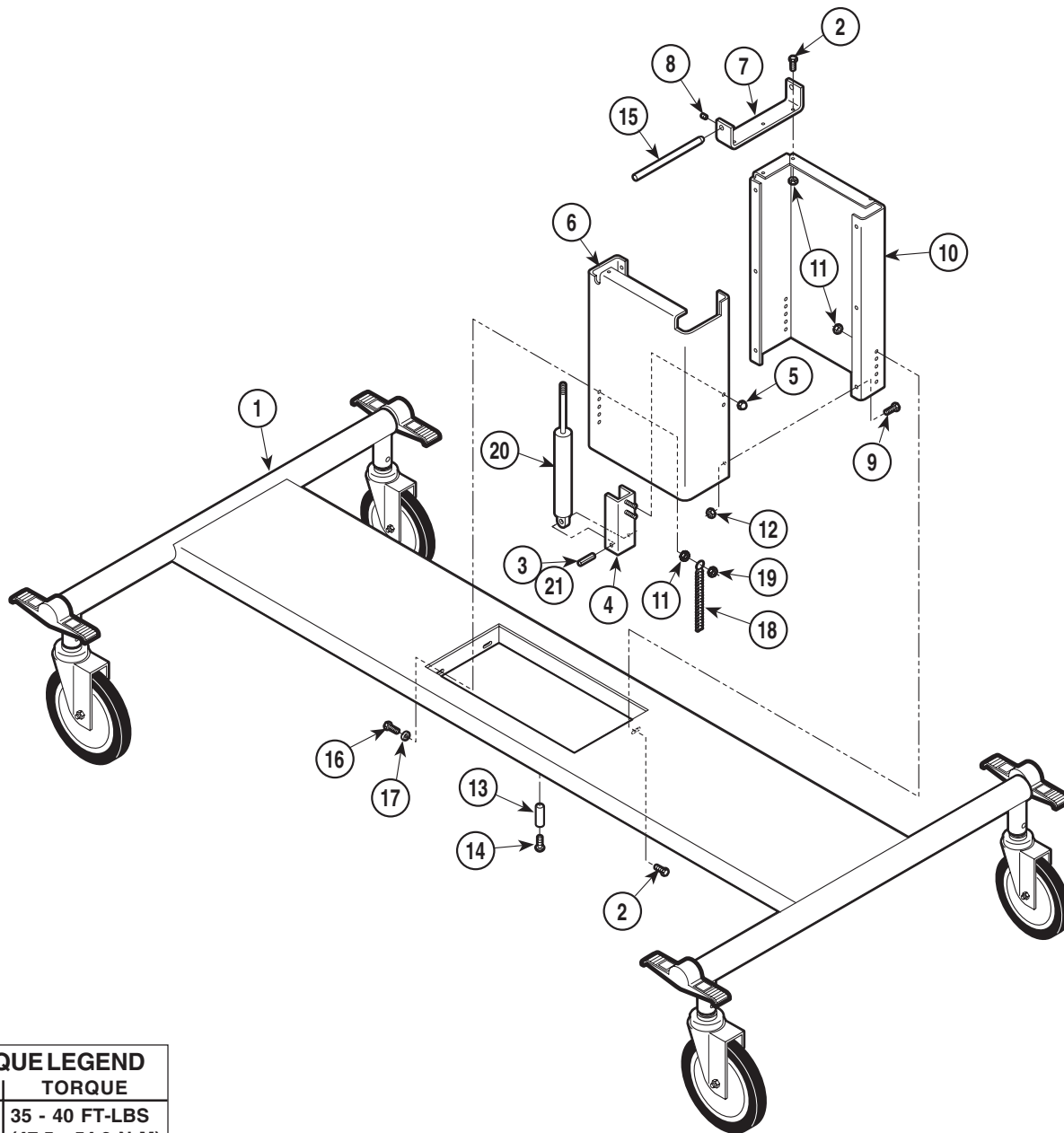
Used on Units with Serial Numbers:
TEG-2007 thru Present **TEH-1334 thru Present**
TEW-2644 thru Present **TEX-1628 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	551-0019-00	Pivot Shaft	1	14		Gas Spring (Refer to "Trendelenburg Actuator Components" Elsewhere)	Ref
2		Litter Frame (Refer to "Litter Frame Assembly" Elsewhere)	Ref	15		Elevation Cylinder (Refer to "Elevation Cylinder Assembly" Elsewhere)	Ref
3	042-0063-00	Rue Ring	1	16	530-1051-10	Upper Cover	1
4	530-1044-10	Pivot Plate Assembly	1	17	530-0889-10	Lower Cover	1
5	016-0131-06	Flange Bearing	2	18	553-0370-00	Center Cover	1
6	040-0312-28	Set Screw	2	19	053-0105-33	Velcro	4
7	042-0602-03	Clevis Pin	1	20	053-0131-31	Velcro	4
8	042-0005-17	Clevis Pin.....	1	21	040-0010-62	Screw	4
9	040-0375-38	Bolt	8	23		Chassis Frame (Refer to "Caster Linkage Components" Elsewhere)	Ref
10	550-0767-10	Cover Mounting Bracket	1	24		Pump Pedal (Refer to "Hydraulic Retaining Ring	1
11		Elevation Column (Refer to "Elevation Column Assembly" Elsewhere)	Ref	25	042-0066-02	Retaining Ring	1
12	041-0375-12	Nut	4				
13	550-0082-00	Shim	AR				

Always Specify Model & Serial Number

Chassis Components 511/516

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
2	35 - 40 FT-LBS (47.5 - 54.2 N•M)
16	35 - 40 FT-LBS (47.5 - 54.2 N•M)

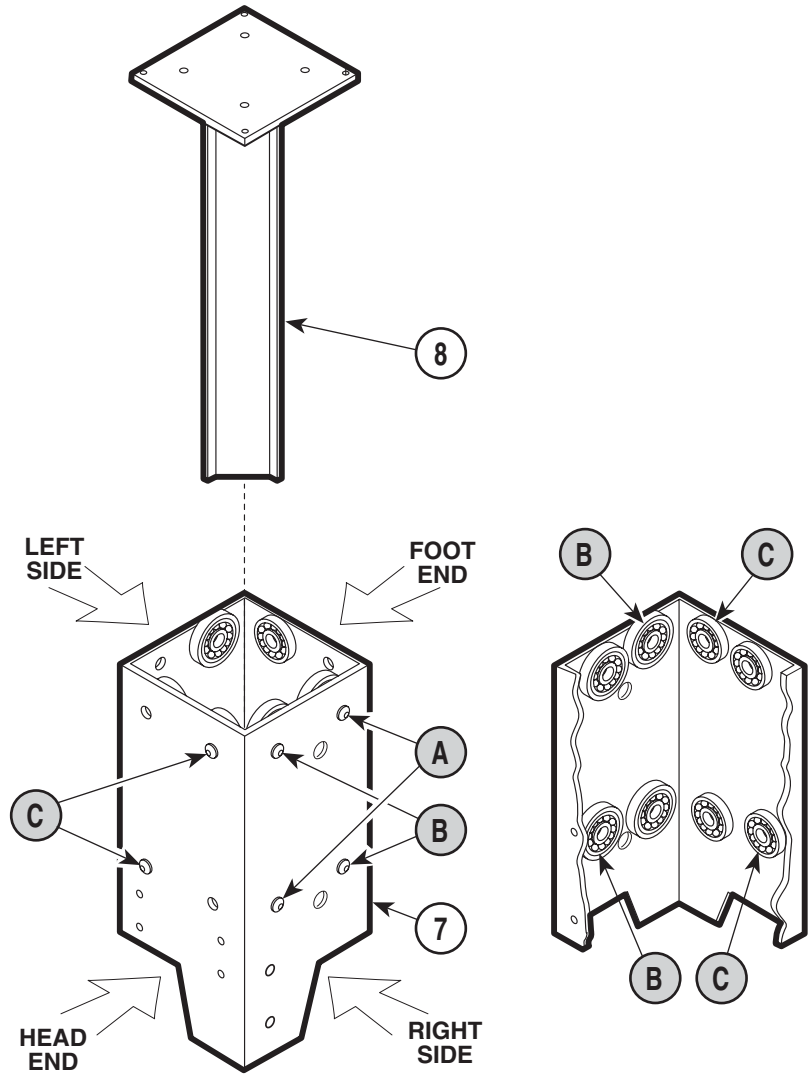
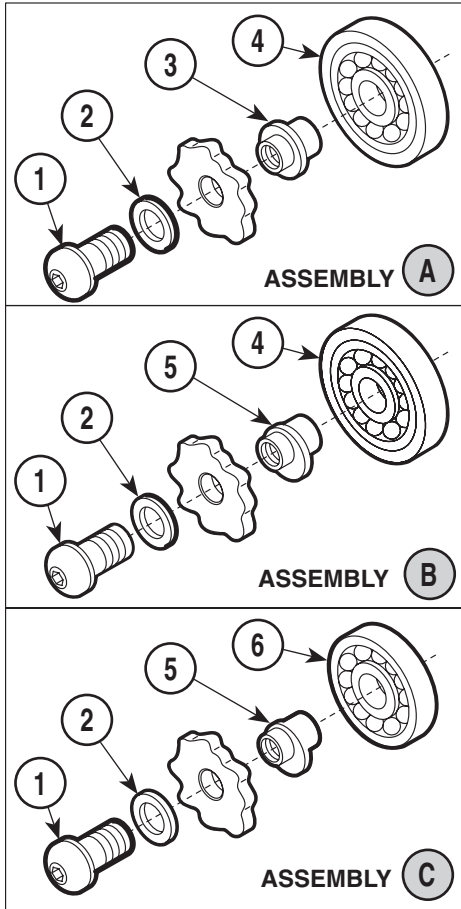
HA509002

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Chassis Frame (Refer to "Caster Linkage Components" Elsewhere)	Ref	11	041-0375-12	Nut	1
2	042-0375-36	Bolt	6	12	041-0312-05	Nut	6
3	042-0005-17	Clevis Pin	1	13	016-0138-10	Rolled Spacer	4
4	530-0323-10	Bracket	1	14	040-0010-76	Screw	4
5	041-0312-04	Acorn Nut	2	15	551-0019-02	Pivot Shaft	1
6	550-0933-10	Column, R.H.	1	† 16	040-0375-38	Bolt	6
7	551-0174-10	Pivot Bar	1	17	045-0001-49	Washer	6
8	040-0250-04	Set Screw	2	18	529-0180-01	Grounding Chain	1
9	040-0312-25	Bolt	6	19	041-0375-10	Nut	1
10	550-0301-10	Column, L.H.	1	20		Gas Spring (Refer to " Trendelenburg Actuator Components" Elsewhere)	Ref
				21	042-0063-02	Retaining Clip	1

Always Specify Model & Serial Number

Elevation Column Assembly

SECTION VI PARTS LIST



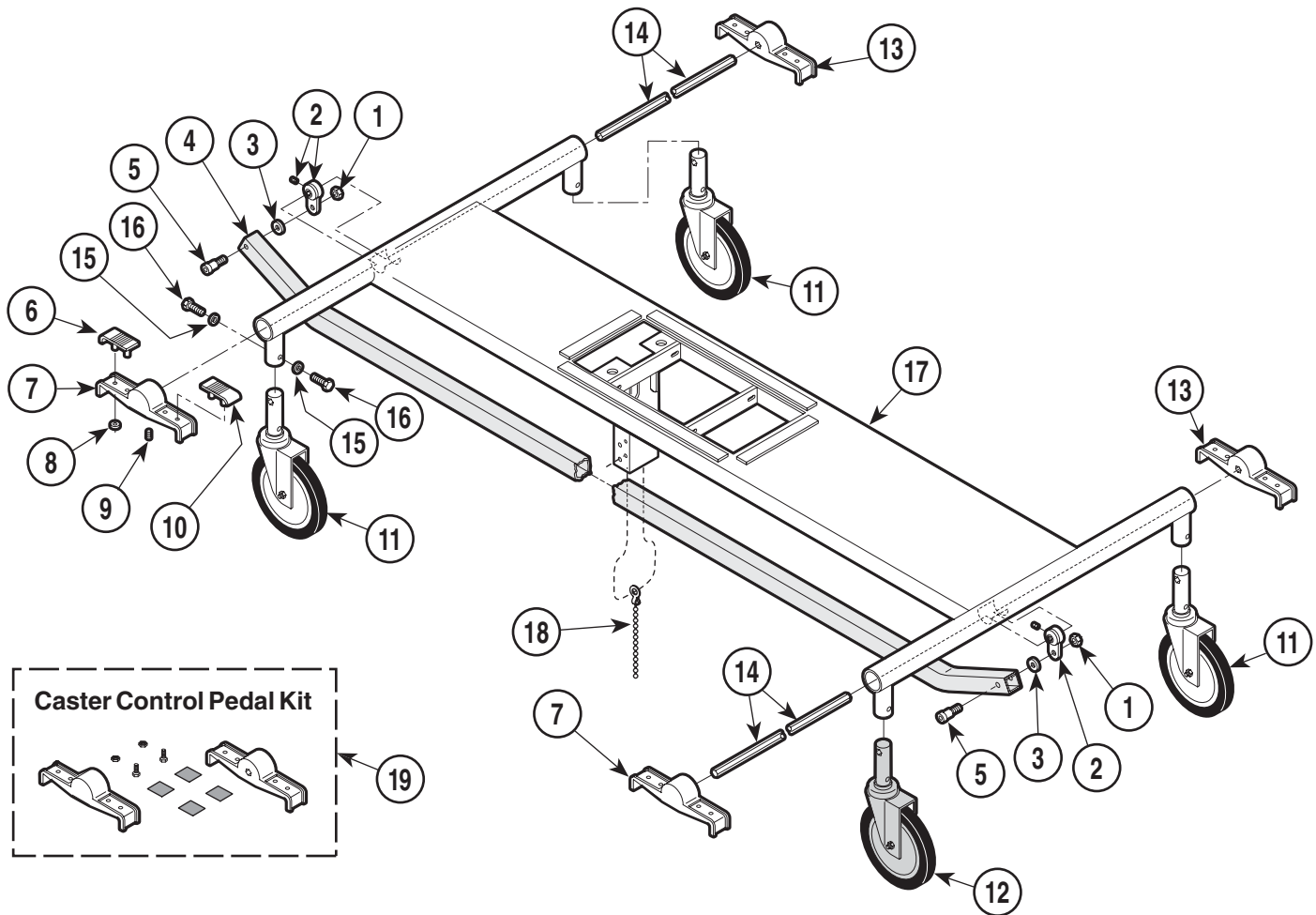
HA540004

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	529-0167-01	Elevation Column Assembly		5	557-0241-00	Eccentric Spindle	8
1	• 040-0312-22	Bolt	16	6	516-0012-00	Ball Bearing	8
2	045-0001-02	Washer	16	7	552-1202-00	Outer Slide	1
3	557-0240-00	Concentric Spindle	8	8	530-0251-01	Inner Slide	1
4	529-0072-00	Tire and Bearing Assembly	8				

Always Specify Model & Serial Number

Caster Linkage Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
16	25 - 30 FT-LBS (33.7 - 40.5 N•M)

HA540102

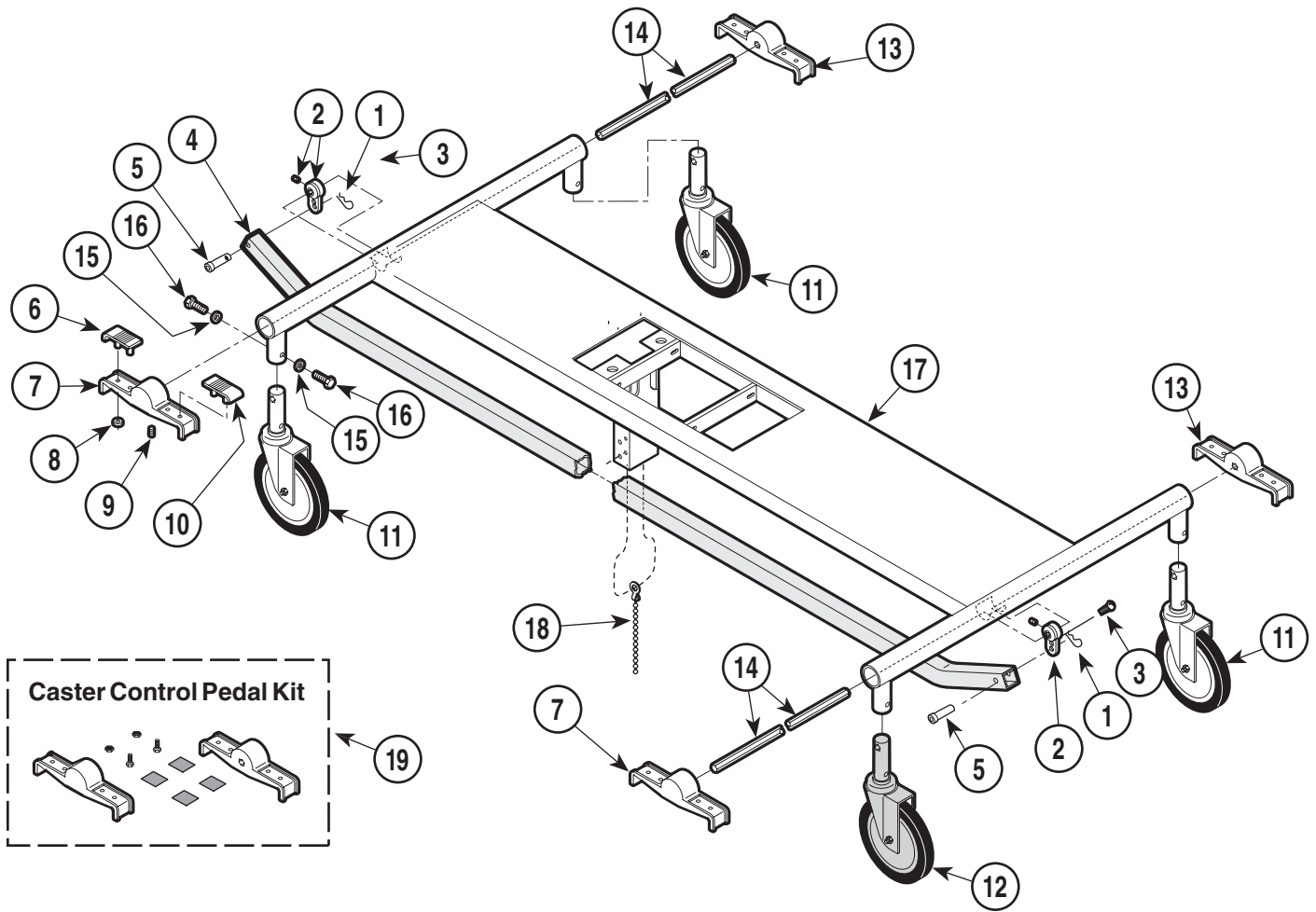
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1578 TEH-1000 thru TEH-1161
TEW-1000 thru TEW-1525 TEX-1000 thru TEX-1228

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	903439	Nut	2	11	516-0119-01	Caster Assembly - Brake (Refer to "Caster Assembly" Elsewhere)	3
2	516-0036-00	Connecting Lever (Includes Set Screw [Apply Loctite #042-0025-00])	2	12		Caster Assembly- Steer (Refer to "Caster Assembly" Elsewhere)	Ref
3	902583-1	Washer	2	13	520-0046-11	Caster Control Pedal - L.H (order Caster Control Pedal Kit).....	2
4		Throw Rod (Refer to "Steering Options" Elsewhere)	Ref	14	551-0020-00	Actuator Bar	2
5	042-0014-20	Screw (Apply Loctite #042-0024-00)	2	15	045-0001-59	Washer	8
6	553-0260-01	Green Insert (order Caster Control Pedal Kit).....	4	16	042-0081-02	Screw (Apply Loctite #042-0025-00)	8
7	520-0046-10	Caster Control Pedal - R.H. (order Caster Control Pedal Kit).....	2	17	530-0834-10	Chassis Frame	1
8	042-0061-00	Retaining Ring	16	18		Grounding Chain (Refer to "Hydraulic Linkage Components" Elsewhere)	Ref
9	040-0312-37	Set Screw (Apply Loctite #042-0024-00)	4	19	502-0213-00	Caster Control Pedal Kit 2 Steer Labels, 2 Brake Labels, 1 Caster Control Pedal - R.H., 1 Caster Control Pedal - L.H., 2 Nuts, and 2 Screws	
10	553-0260-00	Red Insert (order Caster Control Pedal Kit)	4				

Always Specify Model & Serial Number

Caster Linkage Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
16	25 - 30 FT-LBS (33.7 - 40.5 N•M)

HA540105

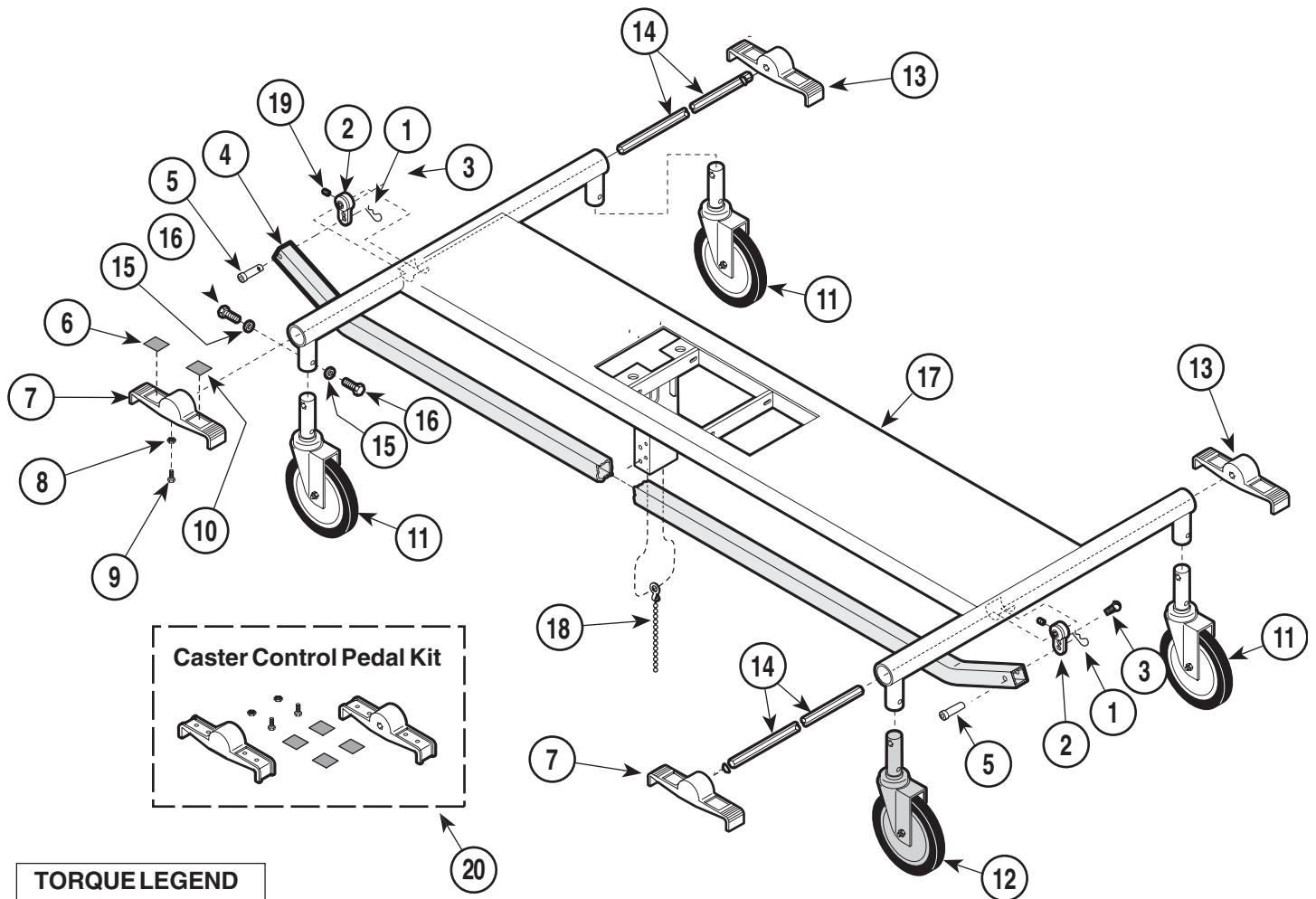
Used on Units with Serial Numbers:
TEG-1579 thru TEG-1654 TEH-1162 thru TEH-1188
TEW-1526 thru TEW-1683 TEX-1229 thru TEX-1336

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring	2	11		Caster Assembly - Brake (Refer to "Caster Assembly" Elsewhere)	3
2	520-0083-00	Transfer Link (True Direction)	2	12		Caster Assembly- Steer (Refer to "Caster Assembly" Elsewhere)	Ref
	520-0084-00	Transfer Link (Rite Trac Steering)	2	13	520-0046-11	Caster Control Pedal - L.H. (order Caster Control Pedal Kit)	2
		(Includes Set Screw 042-0062-08)		14	551-0020-00	Actuator Bar	2
3	040-0010-76	Screw	4	15	045-0001-59	Washer	8
4		Throw Rod (Refer to "Steering Options" Elsewhere)	Ref	16	042-0081-02	Screw	8
5	042-0602-22	Clevis Pin	2	17	530-0968-10	Chassis Frame (540,545,550,555)	1
6	553-0260-01	Green Insert (order Caster Control Pedal Kit)	4		530-0969-10	Chassis Frame (511,516)	1
7	520-0046-10	Caster Control Pedal - R.H. (order Caster Control Pedal Kit)	2	18		Grounding Chain (Refer to "Hydraulic Linkage Components" Elsewhere)	Ref
8	042-0061-00	Retaining Ring	16	19	502-0213-00	Ref Caster Control Pedal Kit	
9	040-0312-37	Set Screw	4			2 Steer Labels, 2 Brake Labels, 1 Caster Control Pedal - R.H., 1 Caster Control Pedal - L.H., 2 Nuts, and 2 Screws	
10	553-0260-00	Red Insert (order Caster Control Pedal Kit)	4				

Always Specify Model & Serial Number

Caster Linkage Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
16	25 - 30 FT-LBS (33.7 - 40.5 N•M)

HA540106

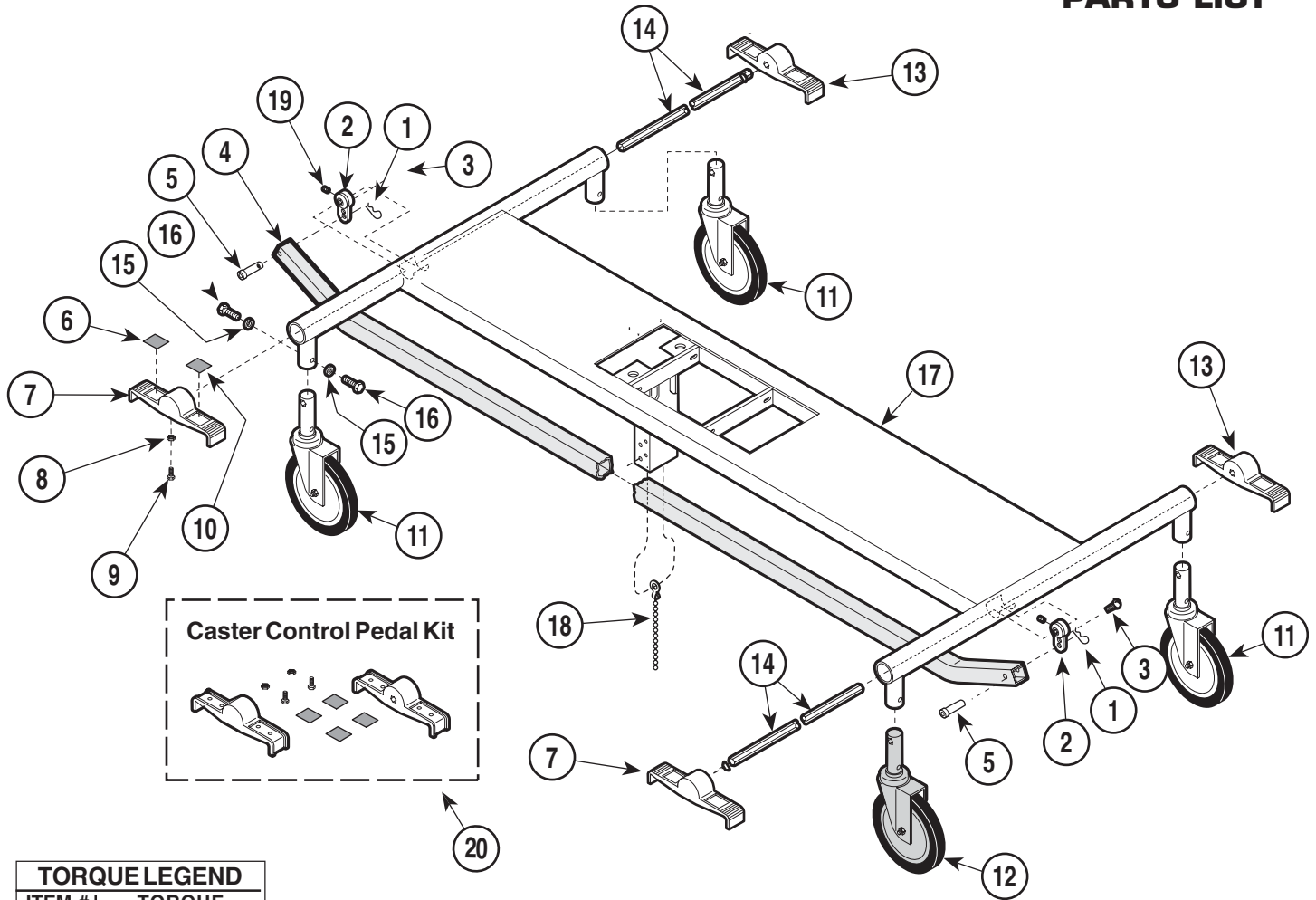
Used on Units with Serial Numbers:
TEG-1655 thru TEG-2006 **TEH-189 thru TEH-1333**
TEW-1684 thru TEW-2644 **TEX-1337 thru TEX-1628**
TEZ-1000 thru TEZ-1149 **TFA-1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring	2	12		Caster Assembly- Steer (Refer to "Caster Assembly" Elsewhere)	Ref
2	520-0083-00	Transfer Link (True Direction)	2	13	553-0125-01	Caster Control Pedal - L.H. (order Caster Control Pedal Kit)	2
	520-0084-00	Transfer Link (Rite Trac Steering)	2	14	551-0020-00	Actuator Bar	2
3	040-0010-76	Screw	4	15	045-0001-59	Washer	8
4	550-0918-00	Transfer Channel	1	16	042-0081-02	Screw	8
5	042-0602-22	Clevis Pin	2	17	530-0968-10	Chassis Frame (540,545,550,555)	1
6	561-0319-00	Steer Insert (order Caster Control Pedal Kit)	4		530-0969-10	Chassis Frame (511, 516)	1
7	553-0125-00	Caster Control Pedal - R.H. (order Caster Control Pedal Kit)	2	18		Grounding Chain (Refer to "Chassis Components" Elsewhere)	Ref
8	041-0312-05	Nut	4	19	040-0250-142	Set Screw	2
9	040-0312-56	Screw	4	20	502-0213-00	Caster Control Pedal Kit	
10	561-0320-00	Brake Insert (order Caster Control Pedal Kit)	4			2 Steer Labels, 2 Brake Labels, 1 Caster Control Pedal - R.H., 1 Caster Control Pedal - L.H., 2 Nuts, and 2 Screws	
11		Caster Assembly - Brake (Refer to "Caster Assembly" Elsewhere)	3				

Always Specify Model & Serial Number

Caster Linkage Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
16	25 - 30 FT-LBS (33.7 - 40.5 N•M)

HA540106

Used on Units with Serial Numbers:

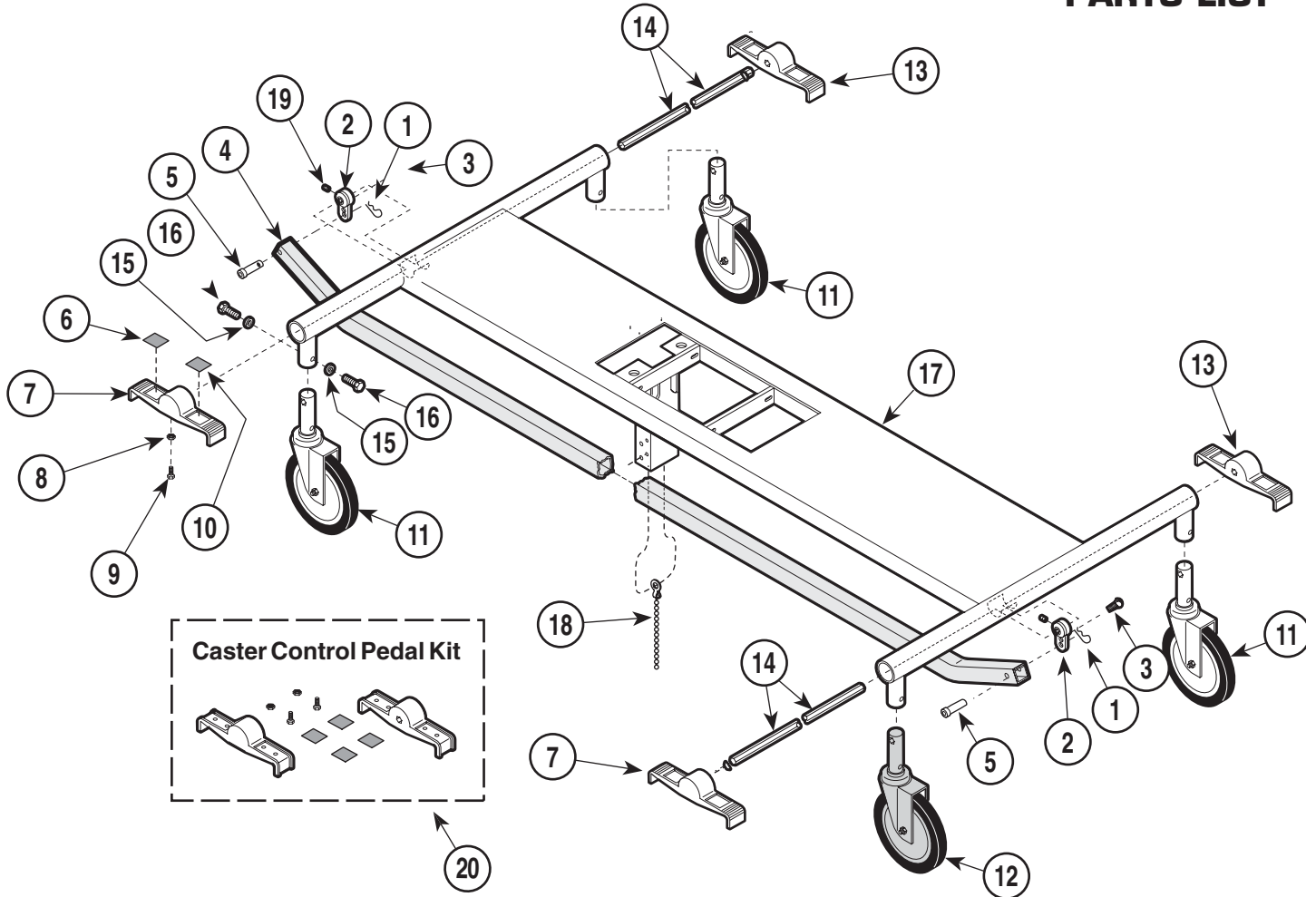
TEG-2007 thru TEG-2958	TEH-1334 thru TEH-1789
TEW-2644 thru TEW-6275	TEX-1628 thru TEX-2948
TEZ-1150 thru TEZ-1853	TFA-1065 thru TFA-1160

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring	2	12		Caster Assembly- Steer (Refer to "Caster Assembly" Elsewhere)	Ref
2	520-0083-00	Transfer Link (True Direction)	2	13	553-0125-01	Caster Control Pedal - L.H. (order Caster Control Pedal Kit)	2
3	520-0084-00	Transfer Link (Rite Trac Steering)	2	14	551-0020-00	Actuator Bar	2
4	040-0010-76	Screw	4	15	045-0001-59	Washer	8
5	550-0918-00	Transfer Channel	1	16	042-0081-02	Screw	8
6	042-0602-22	Clevis Pin	2	17	530-1034-10	Chassis Frame (540,545,550,555)	1
7	561-0319-00	Steer Label (order Caster Control Pedal Kit)	4	18	530-1047-10	Chassis Frame (511, 516)	1
8	553-0125-00	Caster Control Pedal - R.H. (order Caster Control Pedal Kit)	2	19	040-0250-142	Grounding Chain (Refer to "Chassis Components" Elsewhere)	Ref
9	041-0312-05	Nut	4	20	502-0213-00	Caster Control Pedal Kit	
10	040-0312-56	Screw	4			2 Steer Labels, 2 Brake Labels, 1 Caster Control Pedal - R.H., 1 Caster Control Pedal - L.H., 2 Nuts, and 2 Screws	
11	561-0320-00	Brake Label (order Caster Control Pedal Kit)	4				
		Caster Assembly - Brake (Refer to "Caster Assembly" Elsewhere)	3				

Always Specify Model & Serial Number

Caster Linkage Components

SECTION VI PARTS LIST



TORQUE LEGEND	
ITEM #	TORQUE
16	25 - 30 FT-LBS (33.7 - 40.5 N•M)

HA540106

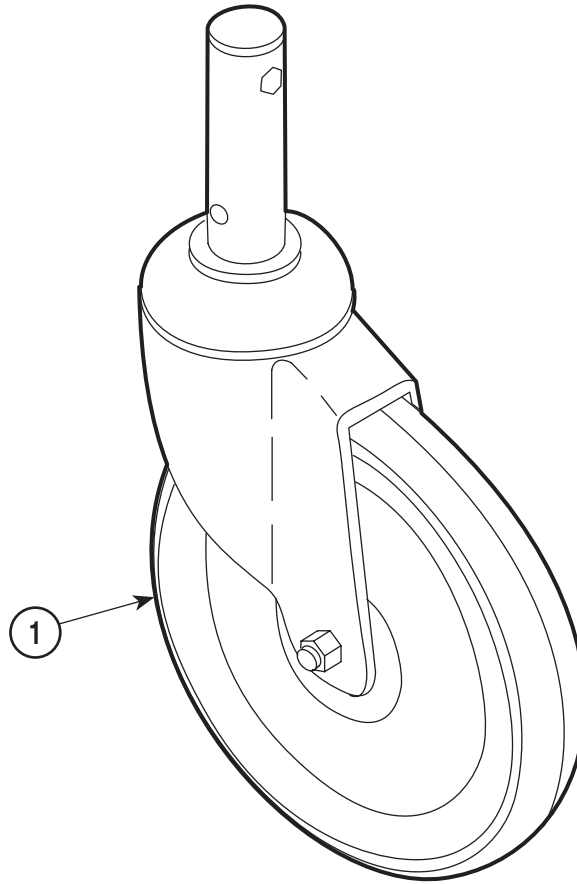
Used on Units with Serial Numbers:

<p>TEG-2959 thru Present TEW-6275 thru Present TEZ-1854 thru Present</p>	<p>TEH-1790 thru Present TEX-2948 thru Present TFA-1161 thru Present</p>
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Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	042-0063-00	Rue Ring	2	12		Assembly" Elsewhere)	3
2	520-0083-00	Transfer Link (True Direction)	2			Caster Assembly- Steer (Refer to "Caster Assembly" Elsewhere)	Ref
	520-0084-00	Transfer Link (Rite Trac Steering)	2	13	553-0125-01	Caster Control Pedal - L.H. (order Caster Control Pedal Kit)	2
3	040-0010-76	Screw	4	14	551-0020-00	Actuator Bar	2
4	550-0918-00	Transfer Channel	1	15	045-0001-59	Washer	8
5	042-0602-22	Clevis Pin	2	16	042-0081-02	Screw	8
6	561-0390-00	Brake Label (order Caster Control Pedal Kit)	4	17	530-1034-10	Chassis Frame (540,545,550, 555)	1
7	553-0125-00	Caster Control Pedal - R.H. (order Caster Control Pedal Kit)	2		530-1047-10	Chassis Frame (511, 516)	1
8	041-0312-05	Nut	4	18		Grounding Chain (Refer to "Chassis Components" Elsewhere)	Ref
9	040-0312-56	Screw	4	19	040-0250-151	Set Screw	2
10	561-0391-00	Brake Label (order Caster Control Pedal Kit)	4	20	502-0213-00	Caster Control Pedal Kit	
11		Caster Assembly - Brake (Refer to "Caster Assembly" Elsewhere)	2			2 Steer Labels, 2 Brake Labels, 1 Caster Control Pedal - R.H., 1 Caster Control Pedal - L.H., 2 Nuts, and 2 Screws	

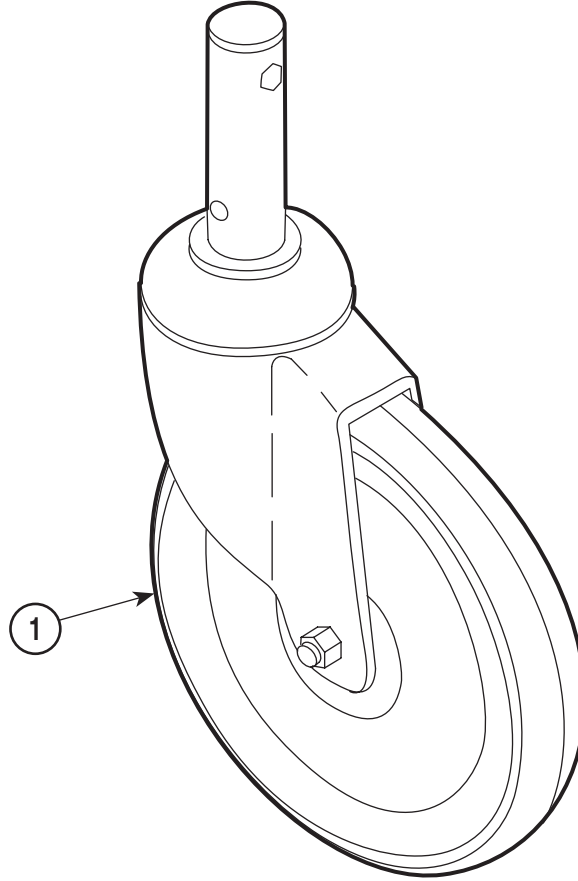
Always Specify Model & Serial Number

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HA540200

Used on Units with Serial Numbers:							
TEG-1000 thru TEG-2208				TEX-1000 thru TEX-1822			
TEH-1000 thru TEH-1457				TEZ-1000 thru TEZ-2231			
TEW-1000 thru TEW-3177				TFA-1000 thru TFA-1075			
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	516-0119-00 • 516-0154-00	Steer Caster • Brake Puck	1	516-0119-01 • 516-0154-00	Brake Caster • Brake Puck		1
Always Specify Model & Serial Number							



HA540200

Used on Units with Serial Numbers:
TEG-2209 thru Present TEX-1823 thru Present
TEH-1458 thru Present TEZ-2232 thru Present
TEW-3178 thru Present TFA-1076 thru Present

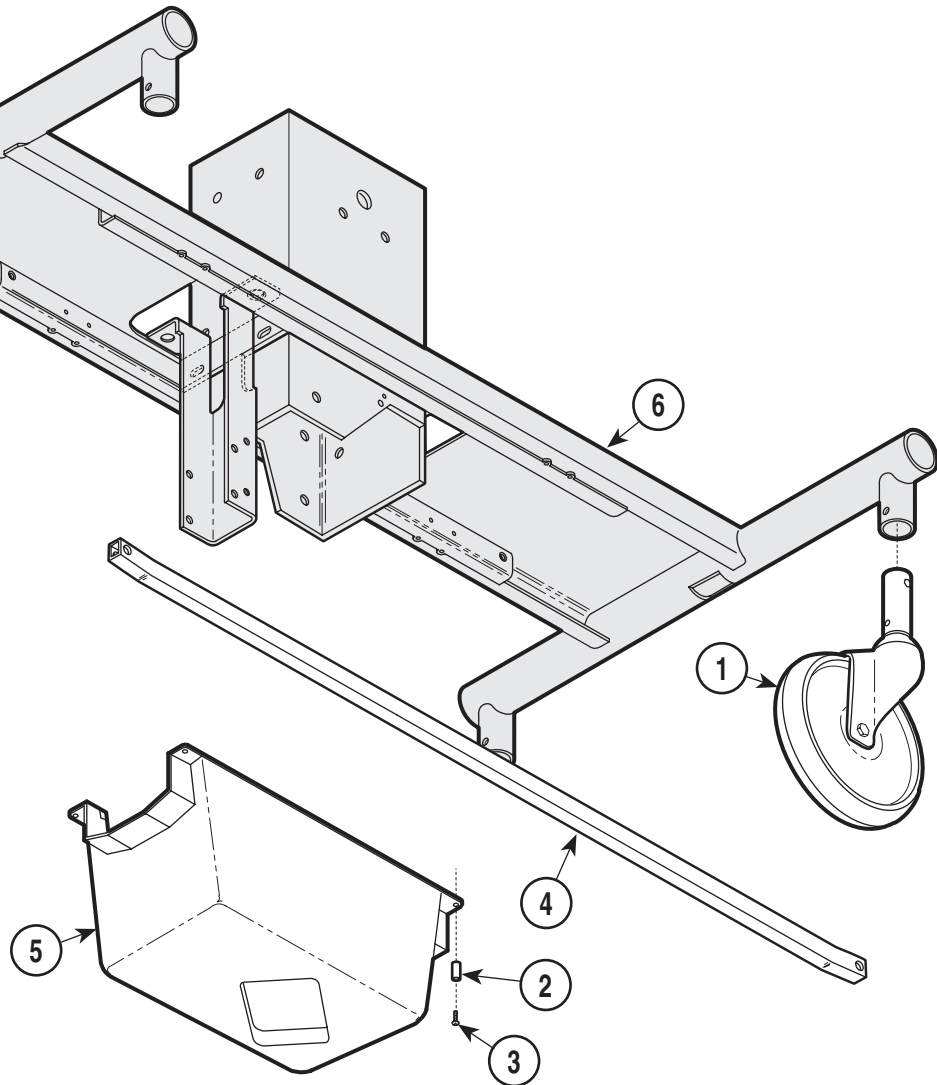
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	516-0409-00 • 516-0154-00	Steer Caster • Brake Puck	1		516-0409-01 • 516-0154-00	Brake Caster • Brake Puck	1

Always Specify Model & Serial Number

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True Direction Steering System

SECTION VI PARTS LIST



HA539500

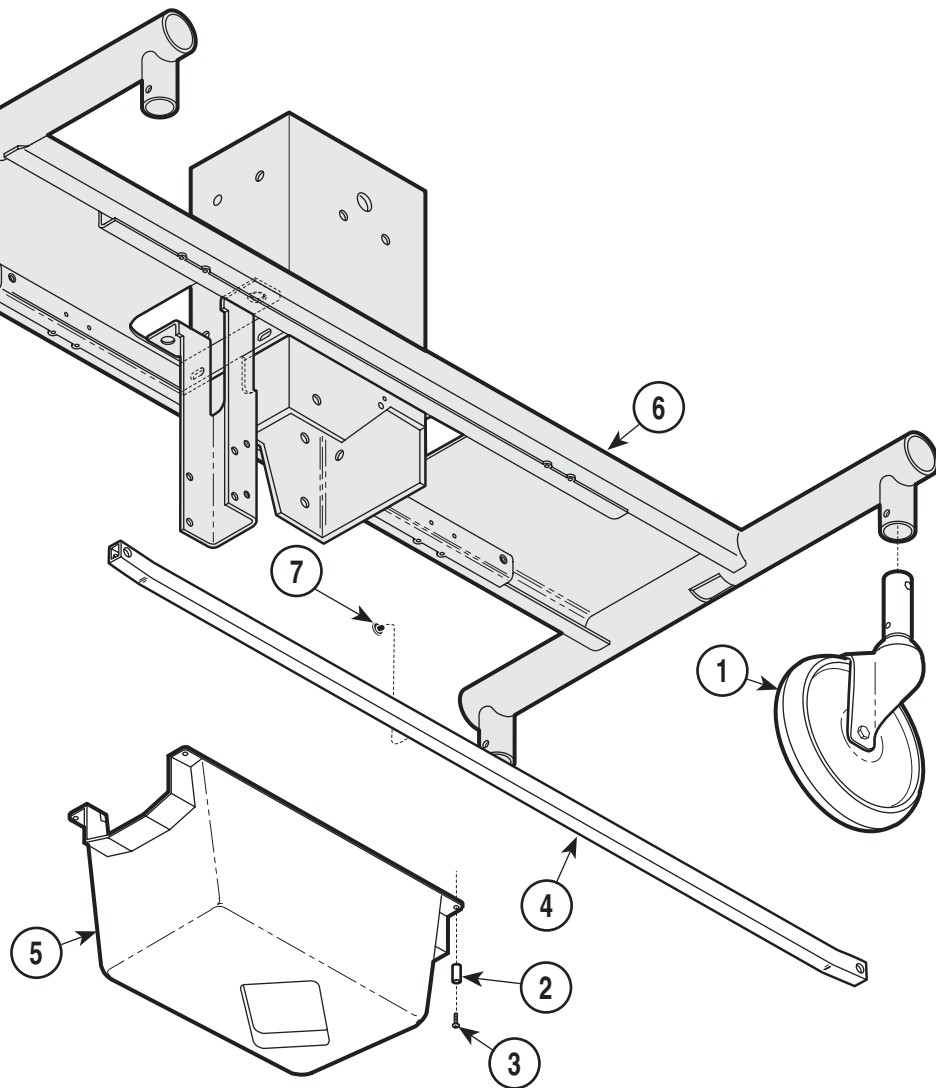
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1578 TEH-1000 thru TEH-1161
TEW-1000 thru TEW-1525 TEX-1000 thru TEX-1227

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59133001	True Direction Steering Assembly		4	• 552-0462-10	• Transfer Channel	1
1	• 516-0119-00	• Steer Caster	1	5	• 553-0163-00	• Lower Cover	1
2	• 016-0138-10	• Spacer	4	6		Chassis Assembly (Refer to "Caster and Linkage Components" Elsewhere)	Ref
3	• 040-0010-76	• Screw	4				

Always Specify Model & Serial Number

True Direction Steering System

SECTION VI PARTS LIST



HA539501

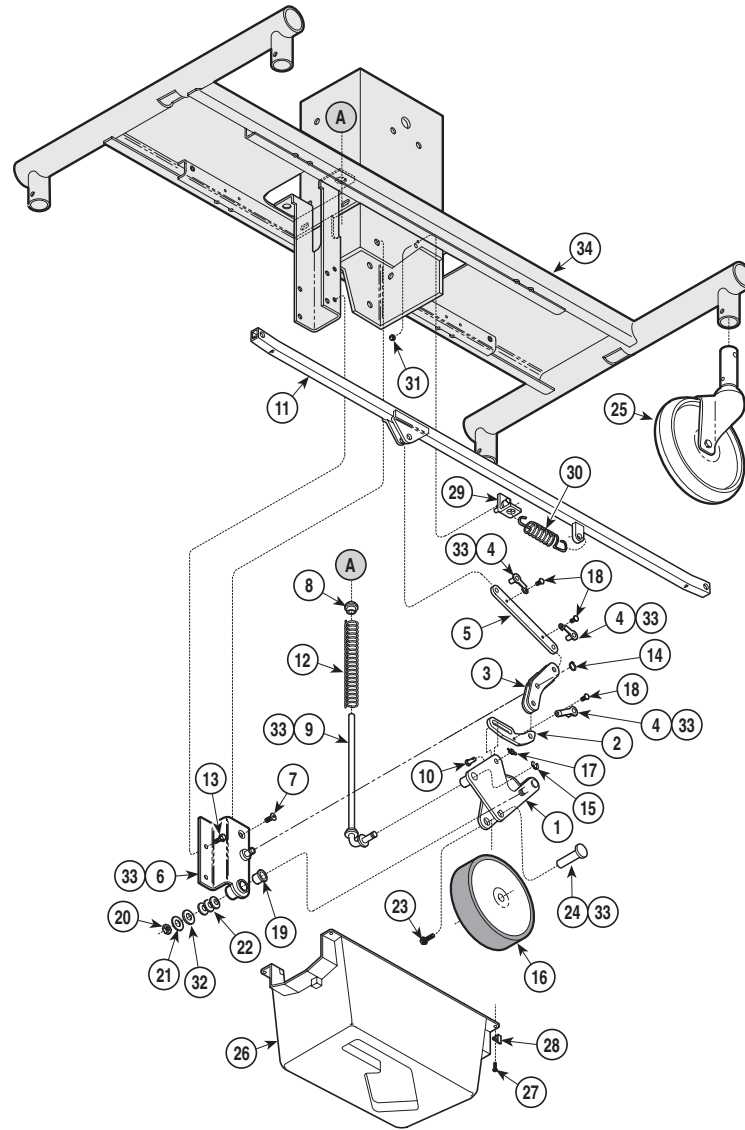
Used on Units with Serial Numbers:
TEG-1579 thru Present **TEH-1162 thru Present**
TEW-1526 thru Present **TEX-1228 thru Present**
TEZ-1000 thru Present **TFA-1000 thru Present**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59133001	True Direction Steering Assembly		5	• 553-0511-00	• Lower Cover	1
1	• 516-0409-00	• Steer Caster	1	6		Chassis Assembly (Refer to "Caster and Linkage Components" Elsewhere)	Ref
2	• 016-0138-10	• Spacer	4	7	• 553-0464-00	• Stem Bumper	2
3	• 040-0010-76	• Screw	4				
4	• 550-0918-00	• Transfer Channel	1				

Always Specify Model & Serial Number

Rite Trac Steering System

SECTION VI PARTS LIST



HA539401

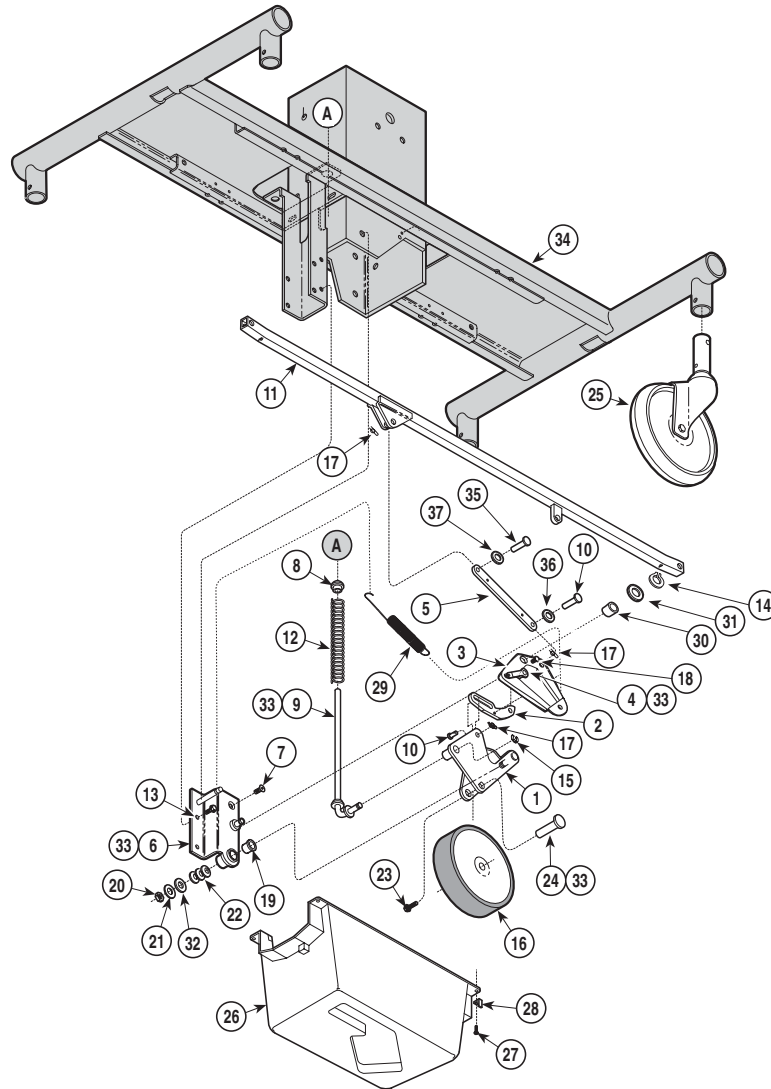
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1578 **TEH-1000 thru TEH-1161**
TEW-1000 thru TEW-1525 **TEX-1000 thru TEX-1228**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59132001	Rite Trac Steering Assembly		18	• 040-0008-26	• Screw	3
1	• 530-0790-00	• Wheel Housing	1	19	• 016-0392-10	• Bearing	1
2	• 551-0537-00	• Lower Link	1	20	• 041-0500-02	• Locknut	1
3	• 530-0840-00	• Middle Link	1	21	• 045-0015-00	• Washer	1
4	• 530-0808-00	• Pin Tab	3	22	• 045-0001-85	• Washer	3
5	• 551-0536-00	• Upper Link	1	23	• 040-0010-91	• Screw	1
6	• 530-0789-10	• Pivot Plate	1	24	• 557-0761-00	• Axle	1
7	• 040-0375-40	• Screw	1	25	• 516-0119-01	• Braking Caster	1
8	• 553-0296-00	• Spring Seat	1	26	• 553-0318-00	• Lower Cover	1
9	• 530-0807-00	• Spring Guide	1	27	• 040-0010-07	• Screw	4
10	• 042-0602-17	• Clevis Pin	1	28	• 550-0723-00	• Basket Retainer	4
11	• 530-0830-10	• Transfer Link	1	29	• 530-0843-10	• Spring Mount	1
12	• 525-0024-10	• Spring	1	30	• 525-0055-01	• Extension Spring	1
13	• 040-0375-00	• Bolt	2	31	• 041-0010-02	• Nut	1
14	• 042-0077-00	• Snap Ring	1	32	• 045-0001-62	• Washer	1
15	• 042-0065-01	• Klipping	1	33	• 064-0015-00	• Lubricant	AR
16	• 516-0262-00	• Caster	1	34		Chassis (See Caster and Linkage Components)	Ref
17	• 042-0063-00	• Rue Ring	1				

Always Specify Model & Serial Number

Rite Trac Steering System

SECTION VI PARTS LIST



HA539404

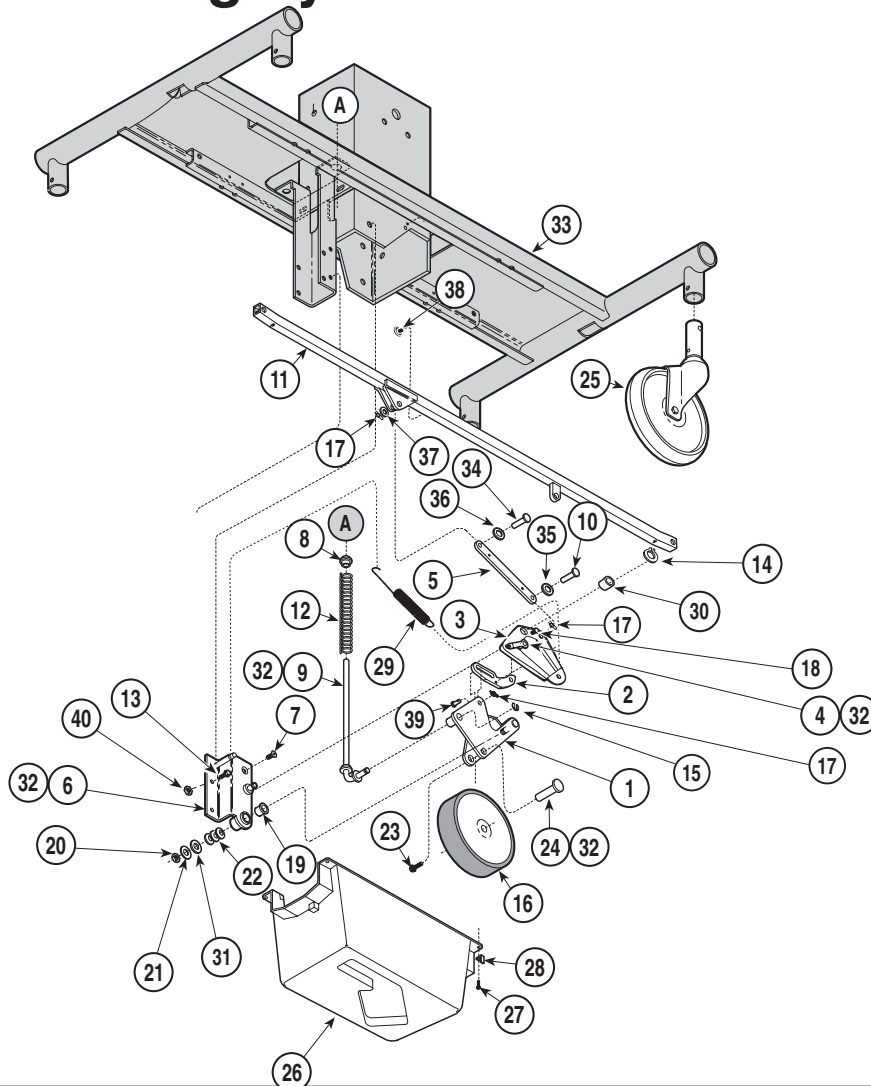
Used on Units with Serial Numbers:
TEG-1579 thru TEG-1698 **TEH-1162 thru TEH-1219**
TEW-1526 thru TEW-1847 **TEX-1229 thru TEX-1357,**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59132001	Rite Trac Steering Assembly		20	• 041-0500-02	• Locknut	1
1	• 530-0790-00	• Wheel Housing	1	21	• 045-0015-00	• Washer	1
2	• 551-0691-00	• Lower Link	1	22	• 045-0001-85	• Washer	3
3	• 530-1021-00	• Middle Link	1	23	• 040-0010-91	• Screw	1
4	• 530-0808-00	• Pin Tab	3	24	• 557-0710-00	• Axle	1
5	• 551-0968-10	• Upper Link	1	25	• 516-0119-01	• Braking Caster	1
6	• 530-1020-00	• Pivot Plate	1	26	• 553-0461-00	• Lower Cover	1
7	• 040-0375-40	• Screw	1	27	• 040-0010-07	• Screw	4
8	• 553-0296-00	• Spring Seat	1	28	• 550-0723-00	• Basket Retainer	4
9	• 530-0807-00	• Spring Guide	1	29	• 525-0067-00	• Extension Spring	1
10	• 042-0602-17	• Clevis Pin	2	30	• 016-0076-24	• Bushing	1
11	• 550-0918-00	• Transfer Link	1	31	• 045-0001-106	• Washer	1
12	• 525-0024-10	• Spring	1	32	• 045-0001-62	• Washer	1
13	• 040-0375-00	• Bolt	2	33	• 064-0015-00	• Lubricant	AR
14	• 042-0077-00	• Snap Ring	1	34		• Chassis (See Caster and Linkage Components)	Ref
15	• 042-0065-01	• Klipping	1	35	• 042-0602-23	• Clevis Pin	1
16	• 516-0262-00	• Caster	1	36	• 045-0001-02	• Spacer	1
17	• 042-0063-00	• Rue Ring	1	37	• 053-0110-11	• Washer	1
18	• 040-0008-26	• Screw	3				
19	• 016-0392-10	• Bearing	1				

Always Specify Model & Serial Number

Rite Trac Steering System

SECTION VI PARTS LIST



HA539406

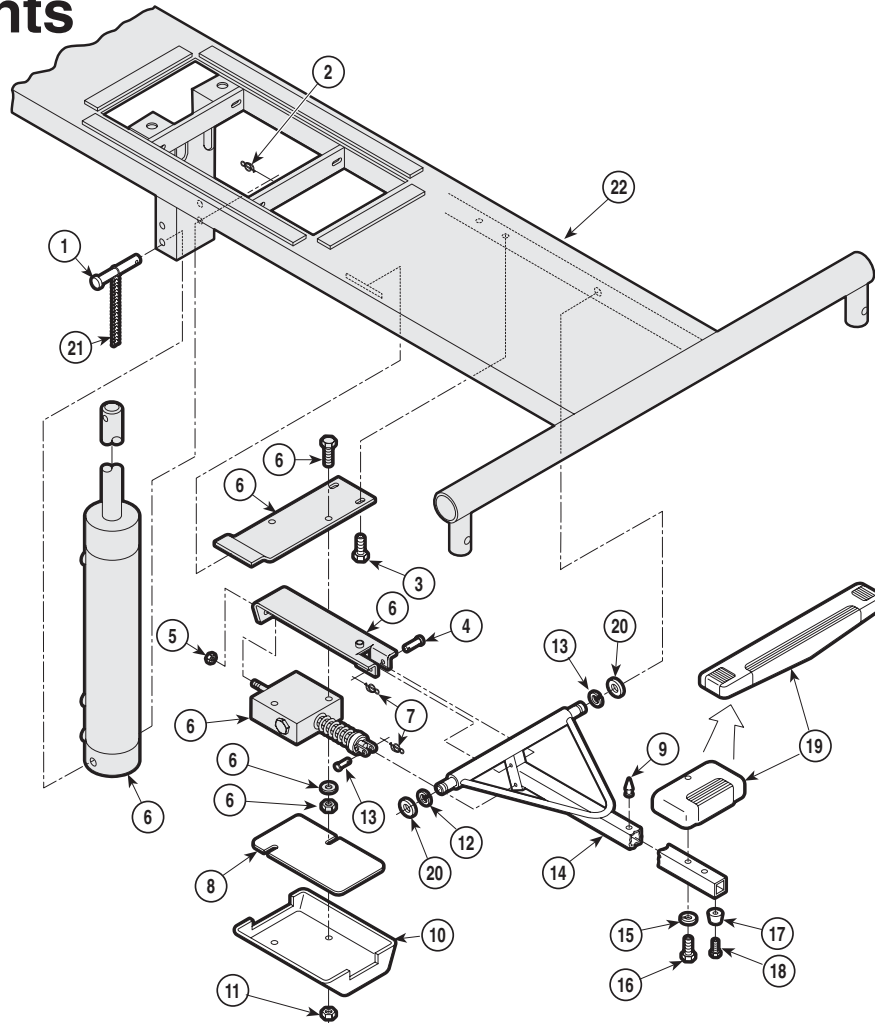
**Used on Units with Serial Numbers:,
TEG-1699 thru TEG-2006, TEH-1220 thru TEH-1333, TEW-1848 thru TEW-2643,
TEX-1358 thru TEX-1627, TEZ-1000 thru TEZ-1149, TFA-1000 thru TFA-1064**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59132001	Rite Trac Steering Assembly		22	• 045-0001-85	• Spring	3
1	• 530-0790-00	• Wheel Housing	1	23	• 040-0010-91	• Screw	1
2	• 551-0691-00	• Lower Link	1	24	• 557-0761-00	• Axle	1
3	• 530-1021-00	• Middle Link	1	25	• 516-0119-01	• Braking Caster	1
4	• 530-0808-00	• Pin Tab	1	26	• 553-0461-00	• Lower Cover	1
5	• 550-0968-00	• Upper Link	1	27	• 040-0010-07	• Screw	4
6	• 530-1020-10	• Pivot Plate	1	28	• 550-0723-00	• Basket Retainer	4
7	• 040-0375-45	• Screw	1	29	• 525-0067-00	• Extension Spring	1
8	• 553-0296-00	• Spring Seat	1	30	• 016-0076-24	• Bushing	1
9	• 530-1029-00	• Spring Guide	1	31	• 045-0001-62	• Washer	1
10	• 042-0602-17	• Clevis Pin	2	32	• 064-0015-00	• Lubricant	AR
11	• 550-0918-00	• Transfer Link	1	33		• Chassis (See Caster and Linkage Components)	Ref
12	• 525-0024-10	• Spring	1	34	• 042-0602-23	• Clevis Pin	1
13	• 040-0375-00	• Bolt	4	35	• 045-0001-02	• Spacer	1
14	• 042-0077-00	• Snap Ring	1	36	• 053-0110-11	• Washer	1
15	• 042-0065-01	• Klipping	1	37	• 053-0110-11	• Spacer	1
16	• 516-0262-00	• Caster	1	38	• 553-0464-00	• Stem Bumper	2
17	• 042-0063-00	• Rue Ring	5	39	• 042-0602-22	• Clevis Pin	2
18	• 040-0008-26	• Screw	1	40	• 041-0375-12	• Nut	4
19	• 016-0392-10	• Bearing	1				
20	• 041-0500-02	• Locknut	1				
21	• 045-0015-00	• Washer	1				

Always Specify Model & Serial Number

Hydraulic Linkage Components

SECTION VI PARTS LIST



HA539701

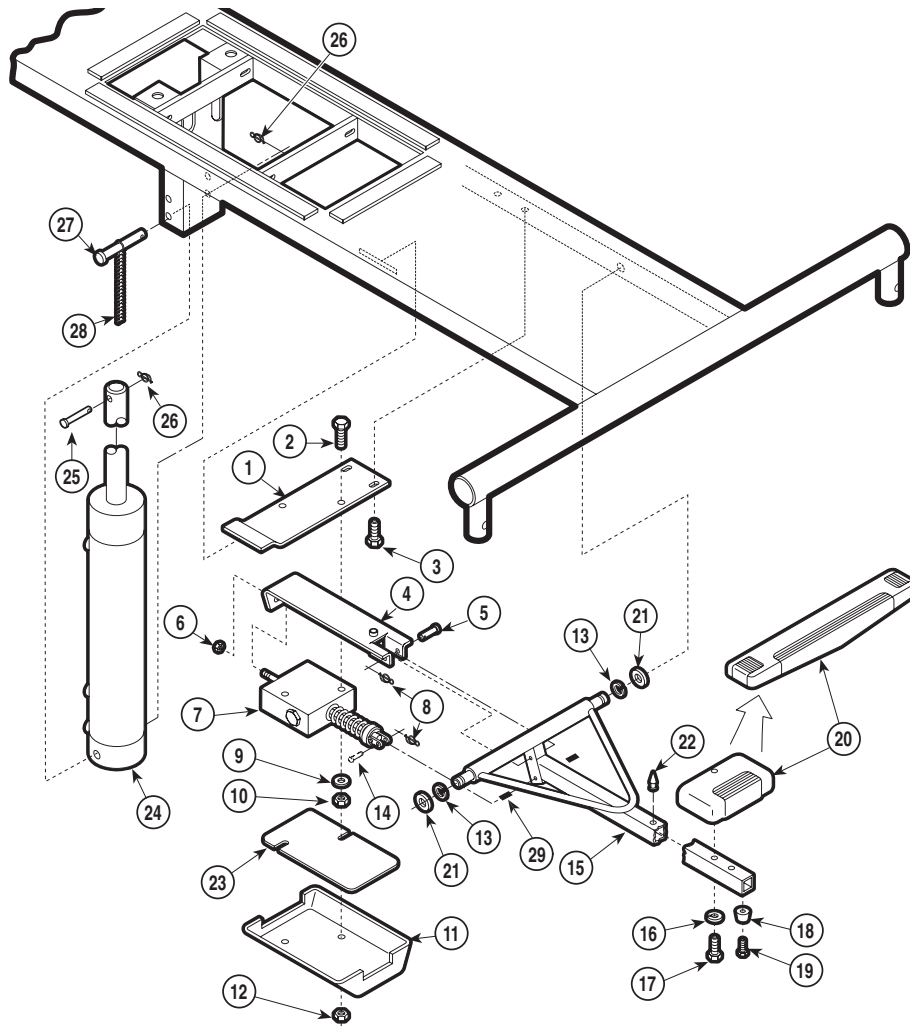
Used on Units with Serial Numbers:
TEG-1000 thru TEG-1133 TEH-1000 thru TEH-1074
TEW-1000 thru TEW-1001 TEX-1000 thru TEX-1000

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59134001	Foot End Pump w/Narrow Pedal (Shown)		7	• 042-0063-01	• Rue Ring Cotter	2
	59135001	Foot End Pump w/Wide Pedal (Shown)		8	• 566-0109-00	• Oil Pad	1
	59136001	Head End Pump w/Narrow Pedal		9	• 553-0162-00	• Bumper	1
	59137001	Head End Pump w/Wide Pedal		10	• 553-0031-00	• Pump Cover	1
	59138001	Dual Pumps w/Narrow Pedal		11	• 041-0375-10	• Nut	2
		True Direction Steering (Double Quantity)		12	• 042-0007-00	• E-Ring	2
	59139001	Dual Pumps w/Wide Pedal		13	• 042-0602-14	• Clevis Pin	1
		True Direction Steering (Double Quantity)		14	• 530-0513-10	• Pump Pedal Weldment	1
	59140001	Dual Pumps w/Narrow Pedal		15	• 045-0001-47	• Washer	2
		Rite Trac Steering (Double Quantity)		16	• 040-0250-27	• Screw	2
	59141001	Dual Pumps w/Wide Pedal		17	• 553-0065-00	• Round Bumper	1
		Rite Trac Steering (Double Quantity)	1	18	• 040-0010-45	• Screw	1
1	• 042-0005-01	• Clevis Pin	1	19	• 520-0023-10	• 540/545 Elevation Pedal (Narrow)	1
2	• 042-0063-00	• Rue Ring	1		• 520-0001-00	• 550/555 Elevation Pedal (Wide)	1
3	• 040-0250-122	• Bolt	2	20	• 045-0001-01	• Washer	2
4	• 042-0602-15	• Clevis Pin	1	21	529-0180-00	Ground Chain Assembly	1
5	• 041-0250-02	• Nut	1	22		Chassis Frame (Refer to "Caster and Linkage Components" Elsewhere)	Ref
6	•	• Refer to Hydraulic System on pages 6-32 and 6-32.1	1				

Always Specify Model & Serial Number

Hydraulic Linkage

SECTION VI PARTS LIST



HA539700

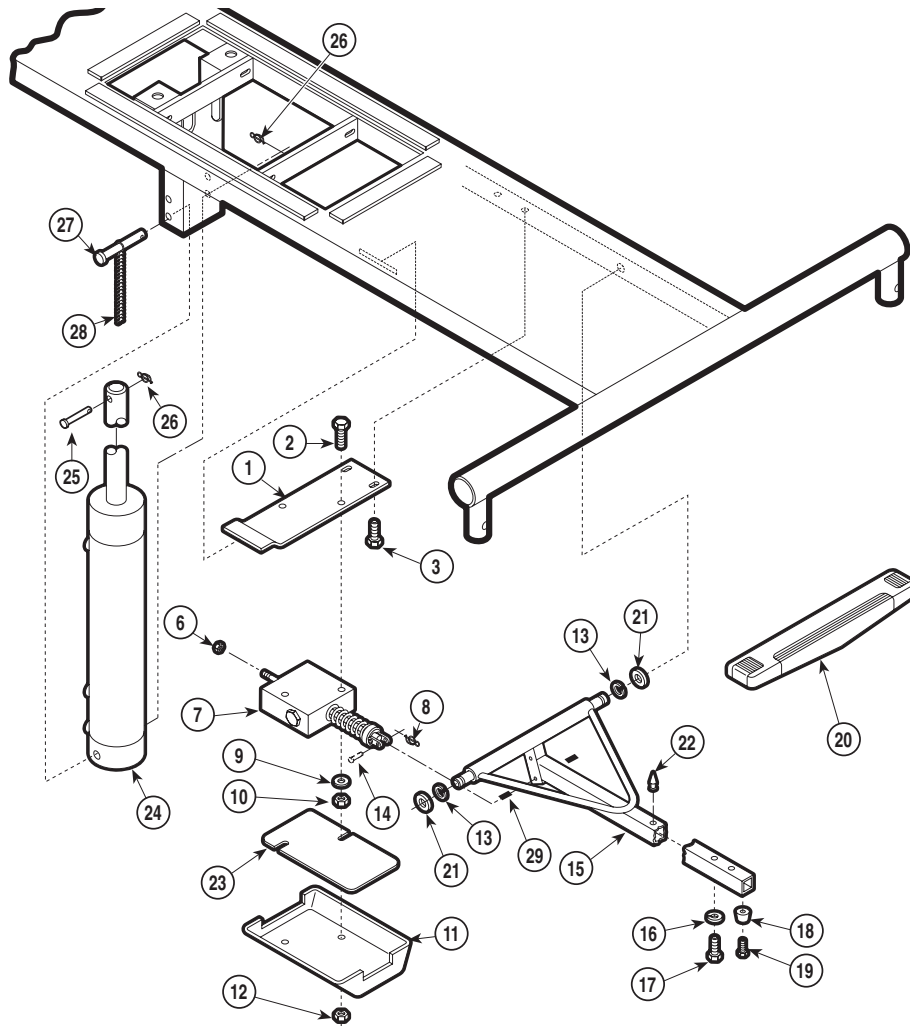
Used on Units with Serial Numbers:
TEG-1134 thru --
TEW-1002 thru --
TEH-1075 thru --
TEX-1001 thru --

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59134001	Foot End Pump w/Narrow Pedal (Shown)		10	•041-0375-10	Nut	2
	59135001	Foot End Pump w/Wide Pedal (shown)		11	•553-0031-00	Pump Cover	1
	59136001	Head End Pump w/Narrow Pedal		12	•040-0375-18	• Nut	2
	59137001	Head End Pump w/Wide Pedal		13	•042-0007-00	• E-Ring	2
	59138001	Dual Pumps w/Narrow Pedal		14	•042-0602-14	• Clevis Pin	1
		True Direction Steering (Double Quantity)		15	•530-0939-10	• Pump Pedal Weldment	1
	59139001	Dual Pumps w/Wide Pedal		16	•045-0001-47	• Washer	2
		True Direction Steering (Double Quantity)		17	•040-0250-27	• Screw	2
	59140001	Dual Pumps w/Narrow Pedal		18	•553-0065-00	• Round Bumper	1
		Rite Trac Steering (Double Quantity)		19	•040-0010-45	• Screw	1
	59141001	Dual Pumps w/Wide Pedal		20	•520-0001-00	• Elevation Pedal (Wide)	1
		Rite Trac Steering (Double Quantity)			•520-0023-10	• Elevation Pedal (Narrow)	1
1	•550-0583-10	Pump Plate	1	21	•045-0001-01	• Washer	2
2	•040-0375-29	Bolt	2	22	•553-0162-00	• Bumper	1
3	•040-0250-122	• Bolt	2	23	•566-0109-00	• Oil Pad	1
4		Release Bar (Refer to "Elevation Pump Kit" Elsewhere)	Ref	24	•	• Refer to Hydraulic System on pages 6-32 and 6-32.1	Ref
5	•042-0602-15	• Clevis Pin	1	25	•042-0602-03	• Clevis Pin	1
6	•041-0250-01	• Nut	1	26	•042-0063-00	• Rue Ring	2
7	•	• Refer to Hydraulic System on pages 6-32 and 6-32.1	Ref	27	•042-0005-01	• Clevis Pin	1
8	•042-0063-01	• Rue Ring Cotter	2	28	529-0180-00	Ground Chain Assembly	1
9	•045-0001-49	Washer	2	29	016-0076-20	Du Bearing	2

Always Specify Model & Serial Number

Hydraulic Linkage

SECTION VI PARTS LIST

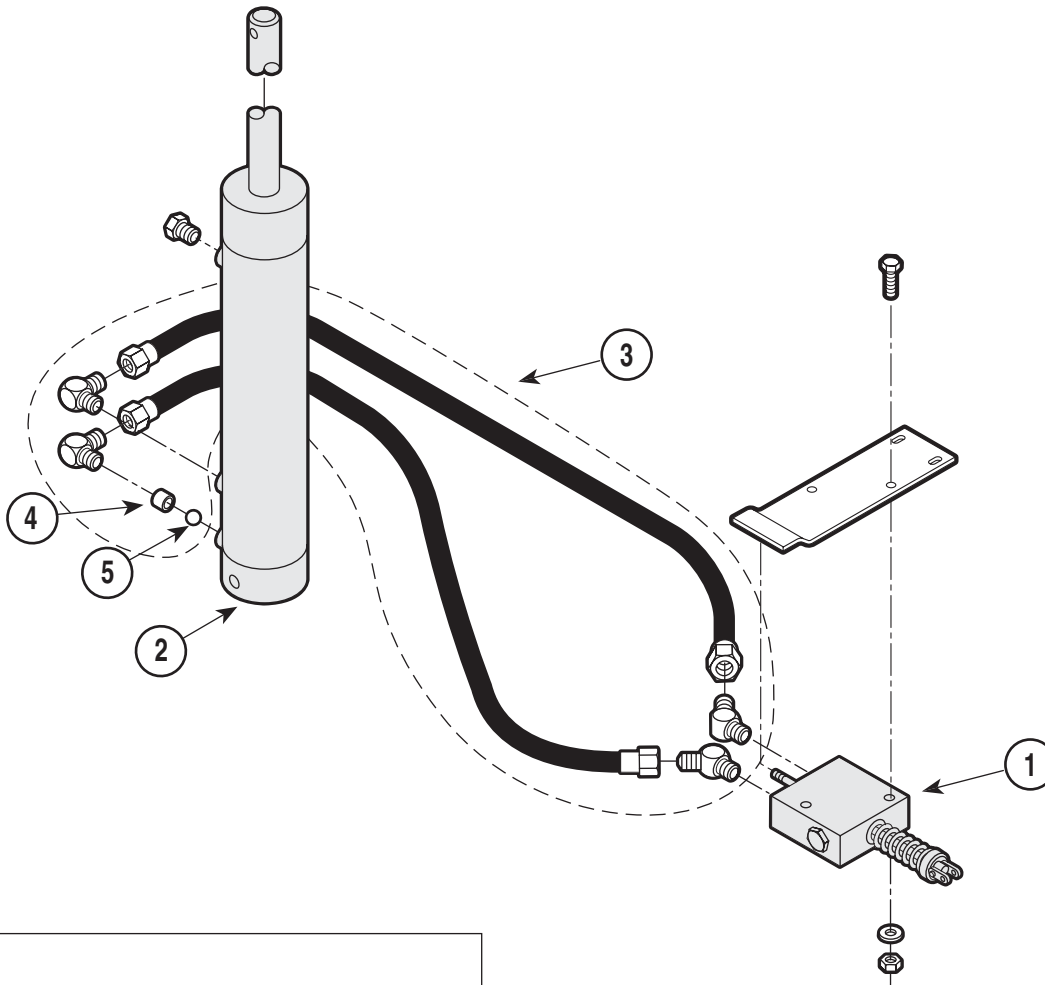


HA539700

Used on Units with Prefixes beginning in SMI, OMI and PK

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	59241001	Hydraulic System - Single		16	•045-0001-47	• Washer	2
	59242001	Hydraulic System - Dual (Double Quantity)		17	•040-0250-27	• Screw	2
1	•550-0583-10	Pump Plate	1	18	•553-0065-00	• Round Bumper	1
2	•040-0375-29	Bolt	2	19	•040-0010-45	• Screw	1
3	•040-0250-122	• Bolt	2	20	•520-0001-00	• Elevation Pedal (Wide)	1
7	•	• Refer to Hydraulic System on pages 6-32 and 6-32.1	Ref	21	•045-0001-01	• Washer	2
8	•042-0063-01	• Rue Ring Cotter	1	22	•553-0162-00	• Bumper	1
9	•045-0001-49	Washer	2	23	•566-0109-00	• Oil Pad	1
10	•041-0375-10	Nut	2	24	•	• Refer to Hydraulic System on pages 6-32 and 6-32.1	Ref
11	•553-0031-00	Pump Cover	1	25	•042-0602-03	• Clevis Pin	1
12	•040-0375-18	• Nut	2	26	•042-0063-00	• Rue Ring	2
13	•042-0007-00	• E-Ring	2	27	•042-0005-01	• Clevis Pin	1
14	•042-0602-14	• Clevis Pin	1	28	529-0180-00	Ground Chain Assembly	1
15	•530-0939-10	• Pump Pedal Weldment	1	29	016-0076-20	Du Bearing.....	2

Always Specify Model & Serial Number



NOTE:

1. It is recommended that work on this hydraulic system be performed by an authorized Pedigo service technician.

2. It is recommended that the hoses and fittings be replaced whenever a cylinder or pump is replaced.

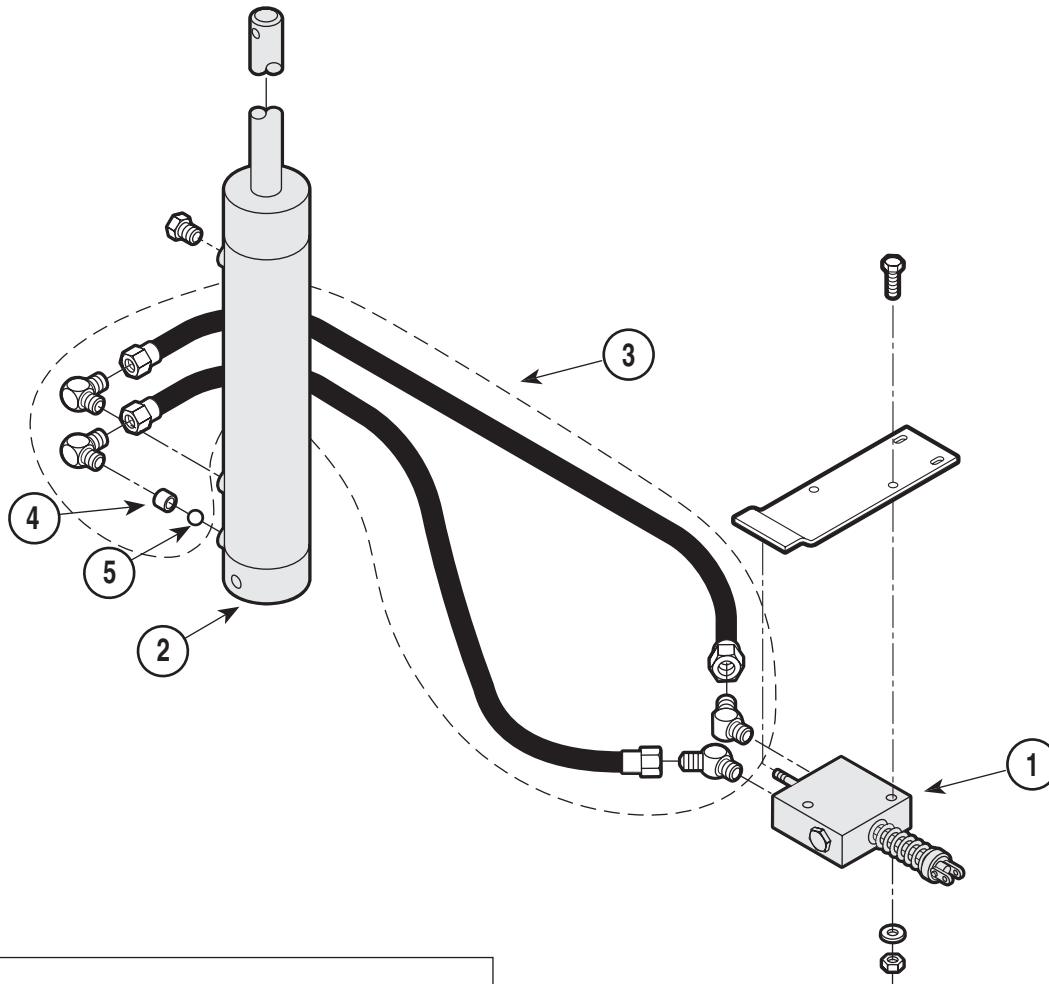
**For Serial Numbers That Begin With:
TEW, TEX, TEG, and TEH**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	514-0174-00	Single Pump Hydraulic Assembly		2	502-0034-00	Cylinder	1
				3	502-0210-00	Single Pump Hose Kit	1
				4	514-0145-00	Restrictor Seat	1
1	NA	Pump	1	5	516-0274-01	Ball	1
		Pump not available (refer to 514-0174-00)					

Always Specify Model & Serial Number

Single Pump Units

SECTION VI PARTS LIST



NOTE:

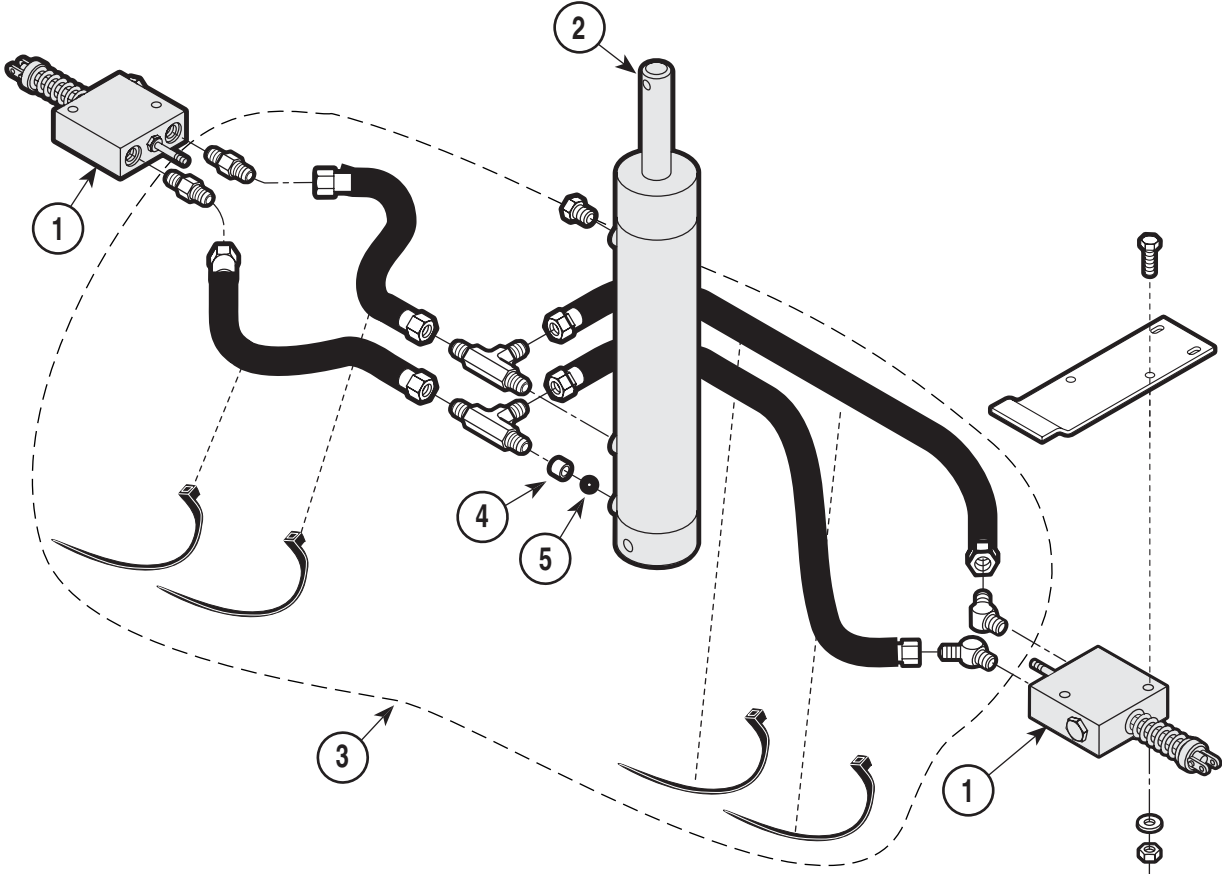
1. It is recommended that work on this hydraulic system be performed by an authorized Pedigo service technician.

2. It is recommended that the hoses and fittings be replaced whenever a cylinder or pump is replaced.

**For Serial Numbers That Begin With:
OMI, SMI, and PK**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	514-0174-00	Single Pump Hydraulic Assembly		2	014-0279-00	Cylinder	1
				3	502-0210-00	Single Pump Hose Kit	1
				4	514-0145-00	Screen	1
1	014-0277-00	Pump	1	5	516-0274-01	Ball	1

Always Specify Model & Serial Number



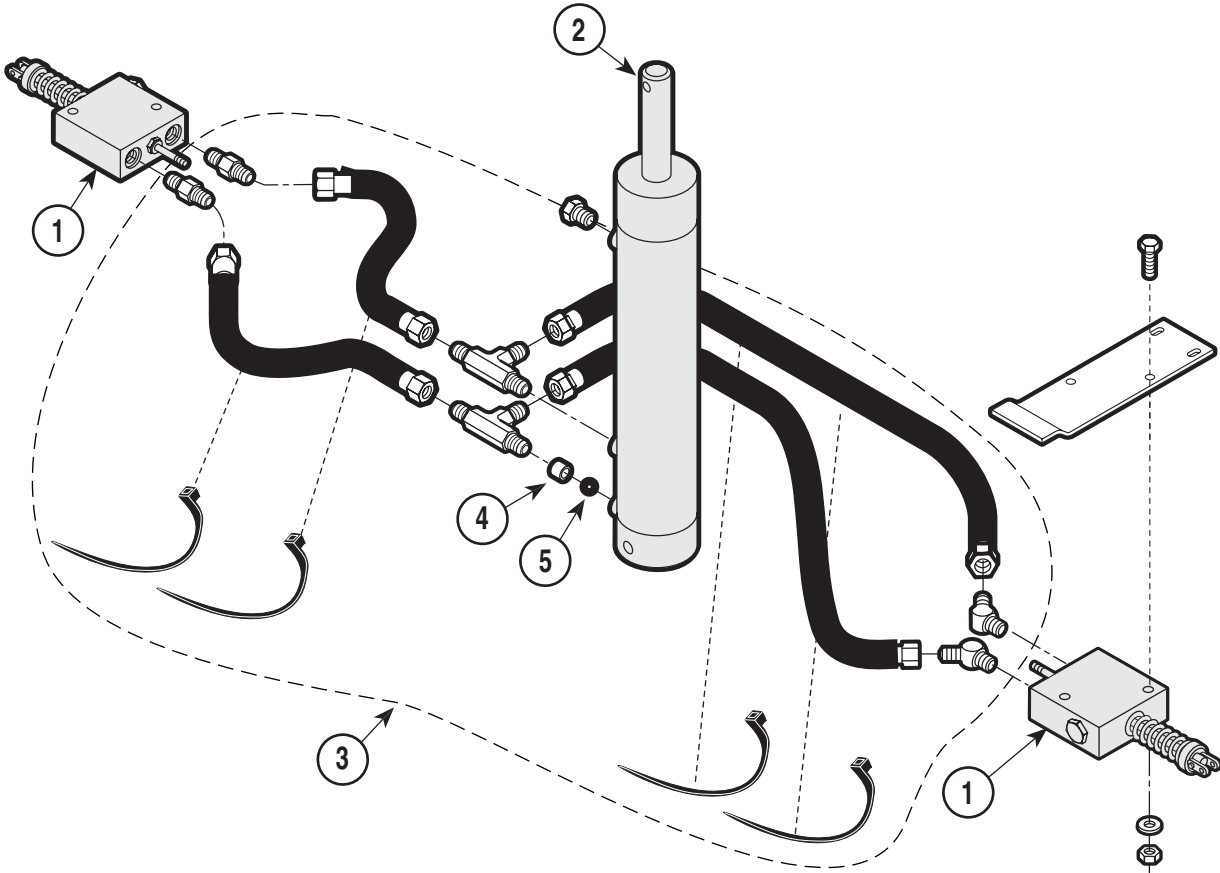
**For Serial Numbers That Begin With:
TEW, TEX, TEG, and TEH**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	514-0175-00	Dual Pump Hydraulic Assembly		2	502-0034-00	Cylinder	1
				3	502-0211-00	Dual Pump Hose Kit	1
				4	516-0274-01	Restrictor Seat	1
				5	516-0145-00	Ball	1
1	NA	Pump 2 Pump not available (refer to 514-0175-00)					

Always Specify Model & Serial Number

Dual Pump Units

SECTION VI GENERAL INFORMATION



**For Serial Numbers That Begin With:
OMI, SMI, and PK**

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
	514-0175-00	Dual Pump Hydraulic Assembly		2	014-0279-00	Cylinder	1
				3	502-0211-00	Dual Pump Hose Kit	1
				4	516-0145-00	Screen	1
1	014-0277-00	Pump	2	5	516-0274-01	Ball	1

Always Specify Model & Serial Number



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