

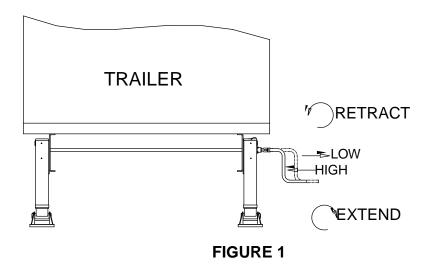
# OPERATING, MAINTENANCE AND REPAIR PROCEDURES FOR H-450 10 YEAR HEAVY DUTY MAGNUM LANDING GEAR



WARNING: Before attempting to operate the landing gear, you must read and understand the following procedures:

- Perform all procedures in lighted area clear of obstacles and other personnel.
- Always grip the crank handle securely with both hands.
- Maintain proper footing at all times.
- Never attempt to shift the landing gear while under load.
- Lifting and lowering of the trailer must always be done in LOW GEAR.
- DO NOT ATTEMPT TO LIFT OR LOWER TRAILER WITH LANDING GEAR IN HIGH GEAR, AS SERIOUS PERSONAL INJURY COULD OCCUR.
- Always secure the crank handle when not in use.

# **OPERATING INSTRUCTIONS**



- Push crank handle in for high gear.
- Pull crank handle out for low gear.
- Turn crank:

Counterclockwise - Retract Clockwise - Extend

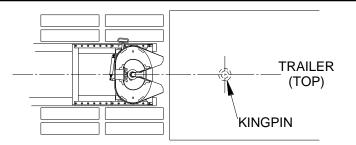
Note: Both inside and outside mounts crank the same.



## **COUPLING PROCEDURES**

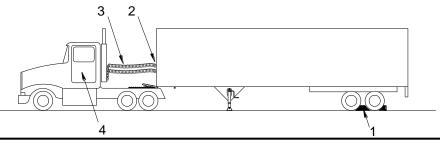
#### STEP 1

Inflate tractor air suspension and back up close to the trailer centering the kingpin with the throat of the fifth wheel and STOP! DO NOT ATTEMPT TO COUPLE UNTIL STEPS 2 THROUGH 4 ARE COMPLETED.



#### STEP 2

- 1. Chock trailer wheels.
- 2. Connect brake lines and light cord.
- 3. Support slack in lines to prevent interference.
- 4. Set trailer brakes.



#### STEP 3

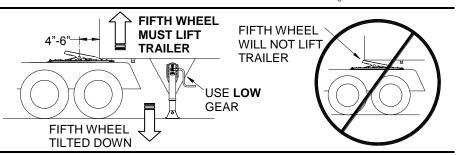
Make sure that the landing gear is in low gear (see figure 1) and engage crank handle.



#### STEP 4

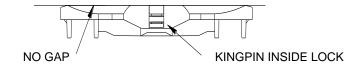
Adjust trailer height. The fifth wheel must contact the trailer bolster 4-6 inches behind the fifth wheel pivot.

The fifth wheel will lift the trailer.



## STEP 5

Couple and verify that there is no gap between fifth wheel and trailer and that the kingpin is inside the lock.



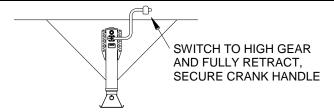
## STEP 6

While still in low gear, retract landing gear until pads just come off the ground.



#### STEP 7

Switch to high gear and fully retract, secure crank handle.



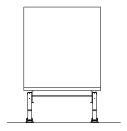




# **UNCOUPLING PROCEDURES**

#### STEP 1

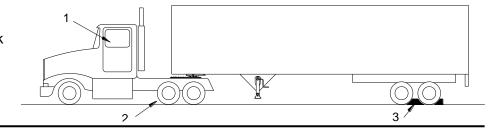
Position the tractor and trailer on level and solid ground, clear of persons and obstacles.





## STEP 2

- 1. Set trailer brakes. Slowly back tractor tightly against trailer.
- 2. Set tractor brakes.
- 3. Chock trailer wheels.



## STEP 3

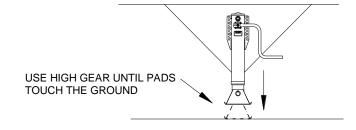
Shift landing gear to high gear (see figure 1) and engage crank handle.





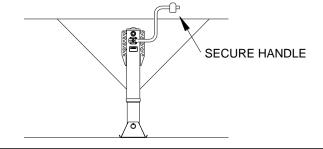
## STEP 4

Extend landing gear until pads just touch the ground.



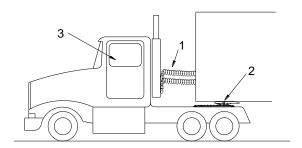
#### STEP 5

Switch to low gear and crank an additional 4-8 turns minimum. Secure crank handle



#### STEP 6

- 1. Disconnect air lines and light cord.
- 2. Pull fifth wheel release handle.
- 3. Release tractor brakes and slowly drive away from trailer.







# **MAINTENANCE PROCEDURES**

<u>IMPORTANT</u>: All inspections must be performed at least every 3-6 months, depending upon use.

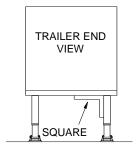
# STEP 1: INSPECT LEGS AND MOUNTINGS:

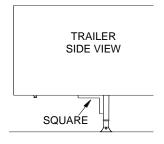
Important: Landing gear with excessive play should be rebuilt or replaced.

Inspection	Possible Causes		
Cross shaft connection bolts and lock nuts must be secure, but allow side-to-side play in the cross shaft.	Cross shaft bolt too tight     Incorrect cross shaft length		
Tighten or replace bolts as necessary.	Bolts not tightened to proper torque     Improper coupling procedures		
Inspect the mounting flange for cracks or other signs of damage.	Overloading     Improper coupling techniques		
Repair or replace any broken or damaged parts of the landing gear assembly.	<ol> <li>Legs not fully retracted</li> <li>Overloading</li> <li>Legs damaged by collision</li> </ol>		
Extend the legs and, using a straightedge, inspect for bent lower leg and damaged footwear.	Legs not fully retracted when moving trailer     Improper ground clearance     Improper coupling procedures		
Check for interference between powder metal bushing and trailer mounting surface.	Holes too small or in incorrect location on mounting		
Inspect the crank handle bolt and lock nut. Tighten or replace as necessary.	Crank handle bolt too tight (the crank handle bolt must be loose enough to allow free engagement)		
Check for proper crank shaft shifting in both high and low gear.	Damage to crankshaft due to contact or collision		

## STEP 2: INSPECT ALIGNMENT:

Inspection		Possible Causes	
	Using a square, check that both legs are square to the trailer and parallel with each other as shown.	Improper installation     Loose bracing bolts     Improper coupling techniques	





The right to alter specifications is reserved.

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# MAINTENANCE PROCEDURES

#### STEP 3: INSPECT FOR PROPER OPERATION: (see Operating Instructions on page 1)

Action	Inspection (Look for the following indicators):	Possible Causes	
	Lower leg wobbling or twisting.	1.Bent leg. 2.Bent lift screw.	
1. Shift to high gear	Lower leg makes a sudden drop (hopping).	Damage to lift screw threads.	
Extend leg to the ground.     Inspect for smooth operation.	Inconsistent torques at different positions of the crank handle throughout the travel.	Bent or damaged screw.	
	Without load in high gear the torque should not exceed approx. 7 ½ lbs at the crank handle.	Damage to lift screw or lift nut.     Gear not lubricated at routine maintenance intervals.	
<ul><li>4. Extend leg to the ground.</li><li>5. Shift to low gear.</li><li>6. Crank an additional 8 to 10 turns.</li></ul>	With an empty trailer in <u>low gear</u> the torque should not exceed approx. 19 lbs at the crank handle.	Gear not lubricated at routine maintenance intervals.	

If any of the above indicators are present the landing gear should be disassembled and inspected for actual wear and/or damage. Replace as required.

## STEP 4: LUBRICATE:

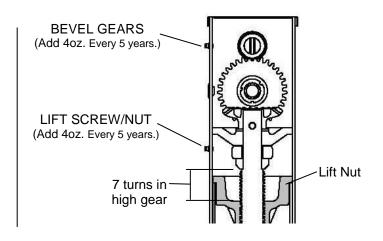
The only solution for corrosion problems is regular re-lubing of the legs in both the gearbox (upper grease zerk) and the screw/nut cavity (lower grease zerk). This action will place a fresh coat of grease on all the surfaces protecting them from rust.

- 1. Lubricate at least every 5 years and more frequently in applications where the landing gear are exposed to excessive moisture (liquid salt water spray), dust, or if they are not used for extended periods.
- 2. Lubricate with the trailer securely coupled to a tractor (see coupling instructions on page 2).
- Employ a lubricant compatible with the original type of grease used: Standard – Lithium base 1-2% Moly EP-2 Low temperature – Arctic-grade, all weather white grease

Warning: Do not use any lubricants containing Teflon

Bevel Gear Lubrication Instructions:				
	Lubricate in the top grease fitting as shown.			
	At least 4oz. (50 pumps on a hand grease gun).			

Lift S	Lift Screw/Nut Lubrication Instructions:				
	Fully retract the landing gear, then using high gear extend 7 turns.				
	Lubricate in the bottom grease fitting as shown. At least 4oz. (50 pumps on a hand grease gun).				
Extend and retract the landing gear to apply greas to the entire length of the screw.					



The right to alter specifications is reserved.

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# **MAINTENANCE PROCEDURES**

Greas	Grease Tube in Lower Leg Instructions:						
	Fully retract the landing gear, then using high gear extend 7 turns.						
	Remove plastic plugs from access holes (Figure 1)						
	Recharge grease tube in lower leg through grease fittings as shown. Add 24 oz. every 5 years.						
	Replace plastic plugs in holes						
	Extend and retract the landing gear to apply grease to the entire length of the screw.						

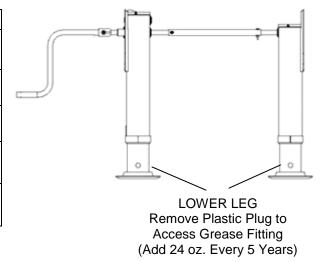


Figure 1



# **TROUBLE-SHOOTING POINTS**

Problem	Cause	Correction
Hard to crank landing gear	Turning crank in wrong direction.	See below for proper crank handle rotation.
Tanamy god.	Attempting to raise or lower trailer in high gear.	Shift to low gear (see figure 1, page1).     DO NOT ATTEMPT TO LIFT OR     LOWER IN HIGH GEAR.
	Legs are already fully extended or retracted.	Turn crank in opposite direction to retract or extend.
	4. Cross shaft binding: - over-tightened bolts cross shaft bent or too long.	4. Inspect cross shaft bolts. Back off bolts to allow lateral (side-to-side) movement of cross shaft. Use self-locking type nuts only.
	5. Mis-aligned landing gear legs.	5. Legs must be parallel and extend and retract evenly. Remove cross shaft; adjust landing gear legs to same height.
	6. Lack of grease.	Grease landing gear as directed in step 4 on page 5.
	7. Damaged lift screw or lift nut.	7. Check landing gear for signs of impact (accident) damage. Disconnect cross shaft and crank legs individually to determine which leg is damaged. Replace damaged leg.
	Interference between powder metal bushing and trailer mounting surface	Hole in trailer mounting surface may need to be enlarged.
Shaft turns but	Broken shaft or shaft bolt.	Replace broken bolt(s) and shaft as needed.
legs do not operate	Broken pinion gear or bevel gear or gear pins.	2. Replace broken gear(s) or pin.
Shaft does not	1. Broken gear teeth.	1. Replace broken gear(s).
turn	2. Damaged lift screw.	Replace inner leg or entire landing gear leg.
	3. Seized lift screw or nut	Replace inner leg or entire landing gear leg.
	4. Bent inner or outer leg tube.	Replace bent inner leg or outer leg, or entire landing gear leg.
Crank shaft skips when cranking	Broken gear teeth.	Replace broken gear(s).



The item numbers mentioned in the following section refer to the spare parts list located on page 8.

Do not attempt to do the following repairs with the legs on the trailer. Please remove the legs before continuing.

## Two Speed Leg Disassembly

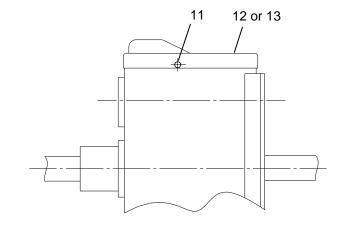
#### STEP 1

Remove (2) cover screws (item 11).

Lift off cover (item 12 or 13).

Important: The cover is sealed to the upper housing with a silicone sealant. Use Dow Corning #700 or equivalent when replacing the cover.

Remove the grease before continuing.

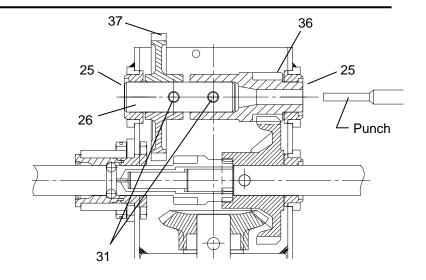


#### STEP 2

Remove the (2) Shaft Caps (item 25) from the bushings.

Drive (2) spiral pins (item 31) from the Output Spur Gear (item 36) and from the Input Gear (item 37).

Then drive out the Output Shaft (item 26) by placing a punch thru the hole in item 36.

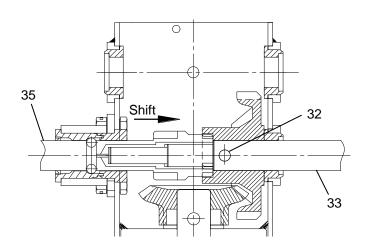


#### STEP 3

Remove the Cap Plug in outer housing exposing the ½ dia. access hole\*.

Shift the Input Gear Shaft (item 35) to the high gear position. Drive out the roll pin (item 32) using the ½ dia. access hole.

Remove the Output Cluster Shaft (item 33).







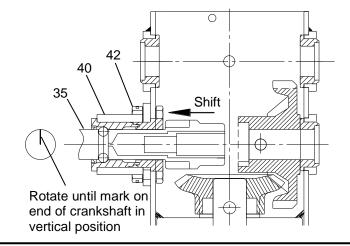
# Two Speed Leg Disassembly con't

#### STEP 4

Shift the Input Gear Shaft (item 35) to the low gear position. Rotate until mark on the end is in the vertical position.

Remove (4) 5/16 locknuts (item 42) from Shift Housing (item 40).

Remove the Input Gear Shaft (item 35) and the Shift Housing (item 40) as one unit.

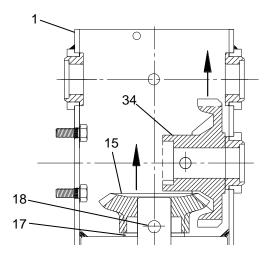


#### STEP 5

Remove Output Cluster Gear (item 34) and Bevel Gear (item 15) by lifting upwards on both parts at the same time.

Remove the Groove Pin (item 18) and Thrust Washer (item 17).

Now the Outer Housing (item 1) can be lifted off from the lower leg assembly.



#### STEP 6

Remove the Thrust Bearing (item 24).

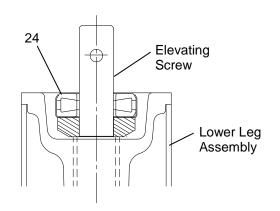
Attention: New thrust bearing must be packed with grease before assembly.

#### \*Advice:

Fully extend the elevating screw to inspect for damage, corrosion or wear. Replace the Lower Leg Assembly if there are hard to extend spots or the head orbits when extending and retracting.

Replace the Lower Leg Assembly if any elevating screw threads are corroded, damaged or worn thin.

Coat the entire surface of the screw with a minimum of 4oz. (112 Grams) of Lithium base 1-2% Moly EP-2 grease before continuing.

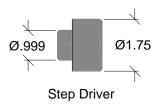


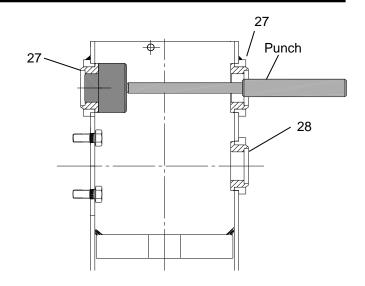




## Bushing Installation – As Needed

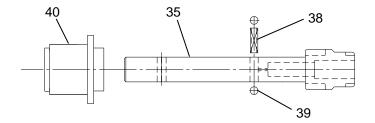
If Bushings (items 27 & 28) are worn they must be replaced. Use part #A10255 (item 27) on all end shafts. Use part #A10727 (item 28) on input, output cluster and pinion shafts. Install bushings with a step driver and punch (see diagram).





# Input Gear Shaft & Shift Housing Sub-Assembly

Apply a thin film of Lithium grease to the inside of the Shift Housing (item 40). Reassemble by compressing (2) Detent Balls (item 39) and Detent Spring (item 38) into hole in Input Gear Shaft (item 35). Then slide Shift Housing (item 40) onto the shaft, capturing the Detent Balls and Spring.







## Two Speed Leg Assembly

## STEP 1

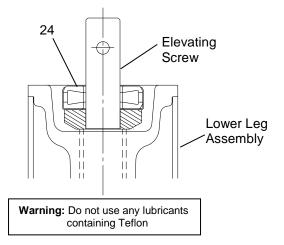
Attention: New thrust bearing (item 24) must be packed with grease before assembly.

#### \*Advice:

Fully extend the elevating screw to inspect for damage, corrosion or wear. Replace the Lower Leg Assembly if there are hard to extend spots or the head orbits when extending and retracting.

Replace the Lower Leg Assembly if any elevating screw threads are corroded, damaged or worn thin.

Coat the entire surface of the screw with a minimum of 4oz. (112 Grams) Lithium base 1-2% Moly EP-2 grease before continuing.



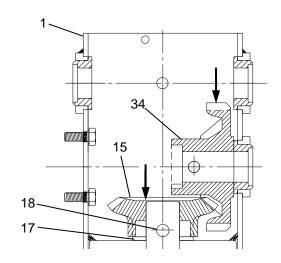
#### STEP 2

Now the Outer Housing (item 1) can be set on the lower leg assembly. Index the flange plate parallel to the pressed elevating nut stakes, also perpendicular to the sand shoe axle.

Install the Thrust Washer (item 17) and insert the Groove Pin (item 18).

Install Output Cluster Gear (item 34) and Bevel Gear (item 15) together.

Rotate the gears until the Bevel Gear (item 15) drops over the Grooved Pin (item 18) and the Output Cluster Gear (item 34) roll pin hole is facing up.



## STEP 3

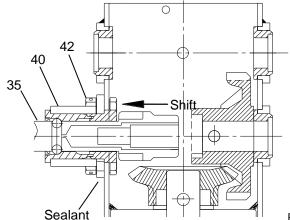
Apply silicone sealant to the face of the Shift Housing before installing.

Install the Input Gear Shaft (item 35) and the Shift Housing (item 40) as one unit.

Install (4) 5/16 locknuts (item 42) to secure the Shift Housing (item 40).

Shift the Input Gear Shaft (item 35) to the low gear position.

The right to alter specifications is reserved.



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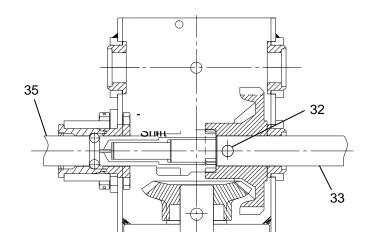
# Two Speed Leg Assembly con't

## STEP 4

Insert the Output Cluster Shaft (item 33). Align the roll pin hole with the hole in the Output Cluster Gear.

Drive in the 3/8" x 1-3/4" roll pin (item 32).

Insert the Cap Plug in outer housing closing the ½" dia. access hole.



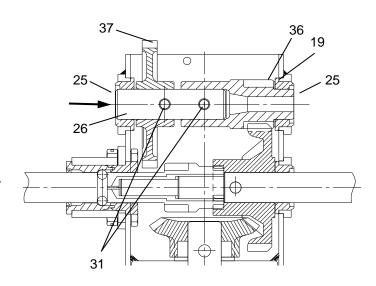
#### STEP 5

Place the Spacer Washer (item 19) against the output spur bushing. Insert the Output Spur Gear (item 36). Insert the Input Spur Gear (item 37).

Insert the Output Shaft (item 26) through the Bushing and the Input Spur Gear (item 37). Align the spiral pin holes.

Drive (2) spiral pins (item 31) into the Output Spur Gear (item 36) and into the Input Spur Gear (item 37).

Insert the (2) Shaft Caps (item 25) into the bushings. Seal each cap perimeter using RTV silicone.



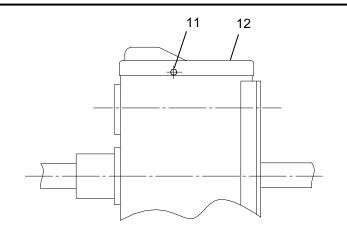
## STEP 6

Install 20 oz. Lithium base 1-2% Moly EP-2 grease before continuing.

**Warning:** Do not use any lubricants containing Teflon

Important: The cover is sealed to the upper housing with a silicone sealant. Remove old sealant and grease. Use Dow Corning #700 or equivalent when replacing the cover.

Install the Cover (item 12).



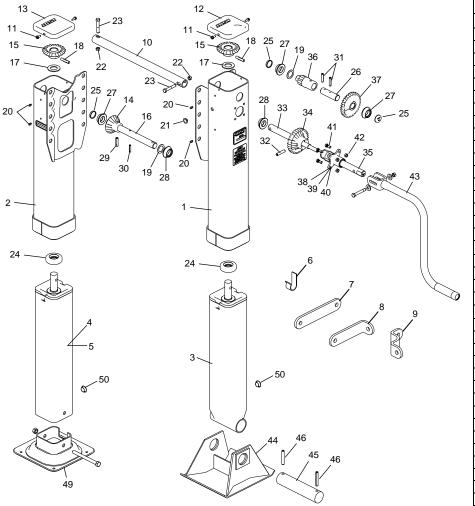




# Parts List

5-YR Magnum Heavy Duty Assemblies								
Outside Mount (H440) Inside Mount (H441)								41)
Item	Description 14" Travel 17" Travel 19" Travel 14" Travel				14" Travel	17" Travel	19" Travel	
1	Upper Housing	Two-Speed (Drive Leg)	D11640.1	D11640.2	D11640.3	D11413.1	D11413.2	D11413.3
2	Upper Housing	One-Speed (Slave Leg)	D11641.1	D11641.2	D11641.3	D11414.1	D11414.2	D11414.3
3	Lower Leg Asm.	Standard (for Sand Shoe)	13101.10	13101.20	13101.30	13101.10	13101.20	13101.30
4	Lower Leg Asm.	10 x 10 Standard Cushion	13103.10	13103.20	13103.30	13103.10	13103.20	13103.30
5	Lower Leg Asm.	10 x 10 Low-Pro Cushion	13102.10	13102.20	13102.30	13102.10	13102.20	13102.30

10-YR Magnum Heavy Duty Assemblies								
Item	D	escription	450)	0) Inside Mount (H451)				
itein	De	escription	14" Travel 17" Travel 19" Travel			14" Travel	17" Travel	19" Travel
1	Upper Housing	Two-Speed (Drive Leg)	D11640.1	D11640.2	D11640.3	D11413.1	D11413.2	D11413.3
2	Upper Housing	One-Speed (Slave Leg)	D11641.1	D11641.2	D11641.3	D11414.1	D11414.2	D11414.3
3	Lower Leg Asm.	Standard (for Sand Shoe)	12867.10	12867.20	12867.30	12867.10	12867.20	12867.30
4	Lower Leg Asm.	10 x 10 Standard Cushion	13104.10	13104.20	13104.30	13104.10	13104.20	13104.30
5	Lower Leg Asm.	10 x 10 Low-Pro Cushion	12651.10	12651.20	12651.30	12651.10	12651.20	12651.30



Shift Housing Assembly	Input Gear & Shift Housing Assembly		
Includes Items 38, 39 & 40 above	Includes Items 35, 38, 39 & 40 above		
Part Number – B10229S	Part Number – B10285		

Item	Individual Commonanta								
6 Crank Hanger 1 B10261 7 Brace Lug - Flat 2 C10262 8 Brace Lug - 90° 2 C10263 9 Brace Lug - W Standard 2 C10108 10 Cross Shaft 1 B10066 11 Cover Screw 4 A10059.1 12 Cover - Two-Speed 1 C10217 13 Cover - One-Speed 1 C10217 14 Pinion Gear - One-Speed 1 C10217 15 Bevel Gear 2 C101155 16 Pinion Shaft - One-Speed 1 B10130 17 Thrust Washer 2 A10102 18 Grooved Pin 2 A10052.3 19 Spacer Washer 2 A10012 20 Grease Fitting 4 A10040 21 Button Plug - Upper 1 A10500 22 Self-Locking Nut - 3/8-16 2 A10038.7 23 Cross Shaft Bolt - 3/8-16 x 2" Gr 5 A10038.7 24 Roller Bearing 2 A10038.7 25 Shaft Cap 3 12113 26 Idler Shaft 1 A10212 27 Bushing (Standard) 3 A10255 28 Bushing w/Seal 2 A10727 29 Roll Pin - 3/8 x 1 1/2 1 A10054.3 30 Roll Pin - 3/8 x 1 3/4 1 A10054.7 31 Spiral Pin 2 A10234 32 Roller Bear 1 C10234 33 Output Cluster Shaft 1 B10236 34 Output Cluster Gear 1 C10234 35 Input Gear Shaft 1 C10234 46 Roller Shoe - 10 x 10 x 12 x 2 (T30) 24 Self-Locking Nut - 5/16-18 4 A10038 25 Sand Shoe - 10 x 10 x 12 x 2 (T30) 26 Sand Shoe - 10 x 10 x 12 x 2 (T30) 27 Sand Shoe - 10 x 12 x 2 (T30) 28 Roll Pin 3/8 x 2 1/2 49 Removable Cushion Foot - 10 x 10 2 12497	Individual Components								
7         Brace Lug - Flat         2         C10262           8         Brace Lug - 90°         2         C10263           9         Brace Lug - W Standard         2         C10108           10         Cross Shaft         1         B10066           11         Cover Screw         4         A10059.1           12         Cover - Two-Speed         1         C10217           13         Cover - One-Speed         1         C10277           15         Bevel Gear         2         C10155           16         Pinion Gear - One-Speed         1         B10130           17         Thrust Washer         2         A10052.3           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug - Upper         1         A10500           22         Self-Locking Nut - 3/8-16         2         A10038.7           23         Cross Shaft Bolt - 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           25         Shaft Ca		•							
8         Brace Lug - 90°         2         C10263           9         Brace Lug - W Standard         2         C10108           10         Cross Shaft         1         B10066           11         Cover Screw         4         A10059.1           12         Cover - Two-Speed         1         C10217           13         Cover - One-Speed         1         C10279           14         Pinion Gear - One-Speed         1         C10177           15         Bevel Gear         2         C10155           16         Pinion Shaft - One-Speed         1         B10130           17         Thrust Washer         2         A10012           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10018           20         Grease Fitting         4         A10040           21         Button Plug - Upper         1         A10038.7           23         Cross Shaft Bolt - 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           25         Shaft Cap         3         12113           26         Ider Shaft									
9 Brace Lug – W Standard 2 C10108 10 Cross Shaft 1 B10066 11 Cover Screw 4 A10059.1 12 Cover – Two-Speed 1 C10217 13 Cover – One-Speed 1 C10259 14 Pinion Gear – One-Speed 1 C10177 15 Bevel Gear 2 C10155 16 Pinion Shaft – One-Speed 1 B10130 17 Thrust Washer 2 A10052.3 19 Spacer Washer 2 A10052.3 19 Spacer Washer 2 A10268 20 Grease Fitting 4 A10040 21 Button Plug – Upper 1 A10500 22 Self-Locking Nut – 3/8-16 2 A10038.7 23 Cross Shaft Bolt – 3/8-16 x 2" Gr 5 A10037.1 24 Roller Bearing 2 A10037.1 25 Shaft Cap 3 12113 26 Idler Shaft 1 A10212 27 Bushing (Standard) 3 A10255 28 Bushing w/Seal 2 A10727 29 Roll Pin – 3/8 x 1 1/2 1 A10054.6 31 Spiral Pin 2 A10260.1 32 Roll Pin – 3/8 x 1 3/4 1 A10054.7 33 Output Cluster Gear 1 C10234 35 Input Gear Shaft 1 C10234 36 Output Spur Gear 1 C10234 37 Input Spur Gear 1 C10085 38 Detent Spring 1 A10048 40 Shift Housing 1 B10229 41 Shift Housing 1 B10229 41 Shift Housing 1 B10229 42 Sand Shoe – 10 x 10 x 4 1/2 (T11) C10592.2 5 Sand Shoe – 10 x 10 x 4 1/2 (T11) C10519 5 Solid Axle 4 Roll Pin 3/8 x 2 1/2 4 A10038.9 40 Removable Cushion Foot – 10 x 10 x 10 x 12497									
10         Cross Shaft         1         B10066           11         Cover Screw         4         A10059.1           12         Cover – Two-Speed         1         C10217           13         Cover – One-Speed         1         C10177           15         Bevel Gear         2         C10155           16         Pinion Shaft – One-Speed         1         B10130           17         Thrust Washer         2         A10102           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing WSeal         2         A10727           28         Bushing w/Seal		Brace Lug - 90°							
11         Cover Screw         4         A10059.1           12         Cover - Two-Speed         1         C10217           13         Cover - One-Speed         1         C10259           14         Pinion Gear - One-Speed         1         C10175           15         Bevel Gear         2         C10155           16         Pinion Shaft - One-Speed         1         B10130           17         Thrust Washer         2         A10102           18         Grooved Pin         2         A10252.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug - Upper         1         A10038.7           23         Cross Shaft Bolt - 3/8-16 x 2" Gr 5         2         A10038.7           23         Cross Shaft Bolt - 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing Wisaal         2         A10255           28         Bu									
12         Cover – Two-Speed         1         C10217           13         Cover – One-Speed         1         C10259           14         Pinion Gear – One-Speed         1         C10177           15         Bevel Gear         2         C10155           16         Pinion Shaft – One-Speed         1         B10130           17         Thrust Washer         2         A10102           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A100337.1           24         Roller Bearing         2         A100337.1           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushi									
13         Cover - One-Speed         1         C10259           14         Pinion Gear - One-Speed         1         C10177           15         Bevel Gear         2         C10155           16         Pinion Shaft - One-Speed         1         B10130           17         Thrust Washer         2         A100102           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug - Upper         1         A10500           22         Self-Locking Nut - 3/8-16         2         A10038.7           23         Cross Shaft Bolt - 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           24         Roller Bearing         2         A10037.1           24         Roller Bearing         3         12113           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing (S									
14         Pinion Gear – One-Speed         1         C10177           15         Bevel Gear         2         C10155           16         Pinion Shaft – One-Speed         1         B10130           17         Thrust Washer         2         A10052.3           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           24         Roller Bearing         2         A10037.1           24         Roller Bearing         2         A10037.1           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10225           28         Bushing Wseal         2         A10727           29         Roll Pin -									
15         Bevel Gear         2         C10155           16         Pinion Shaft – One-Speed         1         B10130           17         Thrust Washer         2         A10102           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing WSeal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 1/2         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pi									
16         Pinion Shaft – One-Speed         1         B10130           17         Thrust Washer         2         A10102           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10033R           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing WSeal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.7           33									
17         Thrust Washer         2         A10102           18         Grooved Pin         2         A10052.3           19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10037.1           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing (Standard)         3         A10255           28         Bushing W/Seal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.6           33 <t< td=""><td></td><td></td><td></td><td></td></t<>									
18       Grooved Pin       2       A10052.3         19       Spacer Washer       2       A10218         20       Grease Fitting       4       A10040         21       Button Plug – Upper       1       A10500         22       Self-Locking Nut – 3/8-16       2       A10038.7         23       Cross Shaft Bolt – 3/8-16 x 2" Gr 5       2       A10037.1         24       Roller Bearing       2       A10033R         25       Shaft Cap       3       12113         26       Idler Shaft       1       A10212         27       Bushing (Standard)       3       A10255         28       Bushing w/Seal       2       A10727         29       Roll Pin – 3/8 x 1 1/2       1       A10054.3         30       Roll Pin – 3/8 x 1 1/2       1       A10054.3         31       Spiral Pin       2       A10260.1         32       Roll Pin – 3/8 x 1 3/4       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin – 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Gear									
19         Spacer Washer         2         A10218           20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10033R           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing W/Seal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 1/2         1         A10054.3           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.7           33         Output Cluster Shaft         1         B10236           34									
20         Grease Fitting         4         A10040           21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10033R           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing W/Seal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 1/2         1         A10054.3           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.7           33         Output Cluster Shaft         1         B10236           34         Output Cluster Gear         1         C10233           3									
21         Button Plug – Upper         1         A10500           22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10033R           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing w/Seal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 1/2         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         R10054.6           34         Output Cluster Shaft         1         C10233 <t< td=""><td></td><td></td><td></td><td></td></t<>									
22         Self-Locking Nut – 3/8-16         2         A10038.7           23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10033R           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing w/Seal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 1/2         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         B10026.1           34         Output Cluster Shaft         1         B10236           34         Output Cluster Gear         1         C10233 <t< td=""><td>_</td><td></td><td><u> </u></td><td></td></t<>	_		<u> </u>						
23         Cross Shaft Bolt – 3/8-16 x 2" Gr 5         2         A10037.1           24         Roller Bearing         2         A10033R           25         Shaft Cap         3         12113           26         Idler Shaft         1         A10212           27         Bushing (Standard)         3         A10255           28         Bushing w/Seal         2         A10727           29         Roll Pin – 3/8 x 1 1/2         1         A10054.3           30         Roll Pin – 3/8 x 1 1/2         1         A10054.6           31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.7           33         Output Pin – 3/8 x 1 3/4         1         A10054.7           33         Output Cluster Shaft         1         B10236           34         Output Cluster Gear         1         C10234           35         Input Gear Shaft         1         C10078           37         Input Spur Gear         1         C10078           38         Detent Spring         1         A10049           39         Detent Ball         2         A10048           40									
24       Roller Bearing       2       A10033R         25       Shaft Cap       3       12113         26       Idler Shaft       1       A10212         27       Bushing (Standard)       3       A10255         28       Bushing w/Seal       2       A10727         29       Roll Pin - 3/8 x 1 1/2       1       A10054.3         30       Roll Pin - 3/8 x 1 1/2       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin - 3/8 x 1 3/4       1       A10054.7         33       Output Pin - 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10233         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10078         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4									
25       Shaft Cap       3       12113         26       Idler Shaft       1       A10212         27       Bushing (Standard)       3       A10255         28       Bushing w/Seal       2       A10727         29       Roll Pin - 3/8 x 1 1/2       1       A10054.3         30       Roll Pin - 3/8 x 1 1/2       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin - 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10233         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10085         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut - 5/16-18       4       A10038         43       Standard Crank with Hardware	23			A10037.1					
26       Idler Shaft       1       A10212         27       Bushing (Standard)       3       A10255         28       Bushing w/Seal       2       A10727         29       Roll Pin - 3/8 x 1 1/2       1       A10054.3         30       Roll Pin - 3/8 x 1 1/2       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin - 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10233         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10085         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut - 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe - 10 x 10 x 4 1/2 (T13) </td <td></td> <td>Roller Bearing</td> <td></td> <td>A10033R</td>		Roller Bearing		A10033R					
27       Bushing (Standard)       3       A10255         28       Bushing w/Seal       2       A10727         29       Roll Pin - 3/8 x 1 1/2       1       A10054.3         30       Roll Pin - 3/8 x 1 1/2       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin - 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10234         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10078         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut - 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe - 10 x 10 x 4 1/2 (T13)       2       C11619         Sand Shoe - 10 x 12 x 4 1/2 (T1	25	Shaft Cap	3	12113					
28       Bushing w/Seal       2       A10727         29       Roll Pin - 3/8 x 1 1/2       1       A10054.3         30       Roll Pin - 3/8 x 1 1/2"       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin - 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10233         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10078         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut - 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe - 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe - 10 x 10 x 4 1/2 (T11)       2       C11391         Sand Shoe - 10 x 12 x 4 1/2 (T11)	26	Idler Shaft	1	A10212					
29       Roll Pin - 3/8 x 1 1/2       1       A10054.3         30       Roll Pin ¼" x 1 ¼"       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin - 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10233         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10085         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut - 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe - 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe - 10 x 10 x 4 1/2 (T11)       2       C11391         Sand Shoe - 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe - 10 x 12 x 2 (T30)	27	Bushing (Standard)	3	A10255					
30       Roll Pin ¼" x 1 ¼"       1       A10054.6         31       Spiral Pin       2       A10260.1         32       Roll Pin – 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10233         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10085         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut – 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 4 1/2 (T11)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2	28	Bushing w/Seal	2	A10727					
31         Spiral Pin         2         A10260.1           32         Roll Pin – 3/8 x 1 3/4         1         A10054.7           33         Output Cluster Shaft         1         B10236           34         Output Cluster Gear         1         C10234           35         Input Gear Shaft         1         C10233           36         Output Spur Gear         1         C10078           37         Input Spur Gear         1         C10085           38         Detent Spring         1         A10049           39         Detent Spring         1         A10048           40         Shift Housing         1         B10229           41         Shift Housing Bolt         4         A10230           42         Self-Locking Nut – 5/16-18         4         A10038           43         Standard Crank with Hardware         1         C10592.2           Sand Shoe – 10 x 10 x 4 1/2 (T13)         2         C10619           Sand Shoe – 10 x 10 x 1 5/8 (T18)         2         C11391           Sand Shoe – 10 x 12 x 2 (T30)         2         C11294           45         Solid Axle         2         C10619           45         Solid Axle	29	Roll Pin – 3/8 x 1 1/2	1	A10054.3					
32       Roll Pin – 3/8 x 1 3/4       1       A10054.7         33       Output Cluster Shaft       1       B10236         34       Output Cluster Gear       1       C10234         35       Input Gear Shaft       1       C10233         36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10085         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut – 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         44       Sand Shoe – 10 x 10 x 1 5/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cush	30	Roll Pin 1/4" x 1 1/4"	1	A10054.6					
33         Output Cluster Shaft         1         B10236           34         Output Cluster Gear         1         C10234           35         Input Gear Shaft         1         C10233           36         Output Spur Gear         1         C10078           37         Input Spur Gear         1         C10085           38         Detent Spring         1         A10049           39         Detent Ball         2         A10048           40         Shift Housing         1         B10229           41         Shift Housing Bolt         4         A10230           42         Self-Locking Nut – 5/16-18         4         A10038           43         Standard Crank with Hardware         1         C10592.2           Sand Shoe – 10 x 10 x 4 1/2 (T13)         2         C10619           44         Sand Shoe – 10 x 10 x 1 5/8 (T18)         2         C11391           Sand Shoe – 10 x 12 x 4 1/2 (T11)         2         C10612           Sand Shoe – 10 x 12 x 2 (T30)         2         C11294           45         Solid Axle         2         C10619           45         Solid Axle         2         C10619           46         Roll Pin 3/8 x 2 1	31	Spiral Pin	2	A10260.1					
33         Output Cluster Shaft         1         B10236           34         Output Cluster Gear         1         C10234           35         Input Gear Shaft         1         C10233           36         Output Spur Gear         1         C10078           37         Input Spur Gear         1         C10085           38         Detent Spring         1         A10049           39         Detent Ball         2         A10048           40         Shift Housing         1         B10229           41         Shift Housing Bolt         4         A10230           42         Self-Locking Nut – 5/16-18         4         A10038           43         Standard Crank with Hardware         1         C10592.2           Sand Shoe – 10 x 10 x 4 1/2 (T13)         2         C10619           44         Sand Shoe – 10 x 10 x 1 5/8 (T18)         2         C11391           Sand Shoe – 10 x 12 x 4 1/2 (T11)         2         C10612           Sand Shoe – 10 x 12 x 2 (T30)         2         C11294           45         Solid Axle         2         C10619           45         Solid Axle         2         C10619           46         Roll Pin 3/8 x 2 1	32	Roll Pin – 3/8 x 1 3/4	1	A10054.7					
34         Output Cluster Gear         1         C10234           35         Input Gear Shaft         1         C10233           36         Output Spur Gear         1         C10078           37         Input Spur Gear         1         C10085           38         Detent Spring         1         A10049           39         Detent Ball         2         A10048           40         Shift Housing         1         B10229           41         Shift Housing Bolt         4         A10230           42         Self-Locking Nut – 5/16-18         4         A10038           43         Standard Crank with Hardware         1         C10592.2           Sand Shoe – 10 x 10 x 4 1/2 (T13)         2         C10619           Sand Shoe – 10 x 10 x 1 5/8 (T18)         2         C11391           Sand Shoe – 10 x 12 x 4 1/2 (T11)         2         C10612           Sand Shoe – 10 x 12 x 2 (T30)         2         C11294           45         Solid Axle         2         C10619           46         Roll Pin 3/8 x 2 1/2         4         A10054.9           49         Removable Cushion Foot – 10 x 10         2         12497	33	Output Cluster Shaft	1	B10236					
36       Output Spur Gear       1       C10078         37       Input Spur Gear       1       C10085         38       Detent Spring       1       A10049         39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut – 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 1 5/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497	34		1	C10234					
37         Input Spur Gear         1         C10085           38         Detent Spring         1         A10049           39         Detent Ball         2         A10048           40         Shift Housing         1         B10229           41         Shift Housing Bolt         4         A10230           42         Self-Locking Nut – 5/16-18         4         A10038           43         Standard Crank with Hardware         1         C10592.2           Sand Shoe – 10 x 10 x 4 1/2 (T13)         2         C10619           Sand Shoe – 10 x 10 x 1 5/8 (T18)         2         C11391           Sand Shoe – 10 x 12 x 4 1/2 (T11)         2         C10612           Sand Shoe – 10 x 12 x 2 (T30)         2         C11294           45         Solid Axle         2         C10619           46         Roll Pin 3/8 x 2 1/2         4         A10054.9           49         Removable Cushion Foot – 10 x 10         2         12497	35	Input Gear Shaft	1	C10233					
38         Detent Spring         1         A10049           39         Detent Ball         2         A10048           40         Shift Housing         1         B10229           41         Shift Housing Bolt         4         A10230           42         Self-Locking Nut – 5/16-18         4         A10038           43         Standard Crank with Hardware         1         C10592.2           Sand Shoe – 10 x 10 x 4 1/2 (T13)         2         C10619           Sand Shoe – 10 x 10 x 1 5/8 (T18)         2         C11391           Sand Shoe – 10 x 12 x 4 1/2 (T11)         2         C10612           Sand Shoe – 10 x 12 x 2 (T30)         2         C11294           45         Solid Axle         2         C10619           46         Roll Pin 3/8 x 2 1/2         4         A10054.9           49         Removable Cushion Foot – 10 x 10         2         12497	36	Output Spur Gear	1	C10078					
39       Detent Ball       2       A10048         40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut – 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 1 5/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497	37	Input Spur Gear	1	C10085					
40       Shift Housing       1       B10229         41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut – 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 15/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497	38	Detent Spring	1	A10049					
41       Shift Housing Bolt       4       A10230         42       Self-Locking Nut – 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 1 5/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497	39	Detent Ball	2	A10048					
42       Self-Locking Nut – 5/16-18       4       A10038         43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 1 5/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497	40	Shift Housing	1	B10229					
43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 1 5/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497	41	Shift Housing Bolt	4	A10230					
43       Standard Crank with Hardware       1       C10592.2         Sand Shoe – 10 x 10 x 4 1/2 (T13)       2       C10619         Sand Shoe – 10 x 10 x 1 5/8 (T18)       2       C11391         Sand Shoe – 10 x 12 x 4 1/2 (T11)       2       C10612         Sand Shoe – 10 x 12 x 2 (T30)       2       C11294         45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497	42	Self-Locking Nut – 5/16-18	4	A10038					
44 Sand Shoe - 10 x 10 x 1 5/8 (T18) 2 C11391 Sand Shoe - 10 x 12 x 4 1/2 (T11) 2 C10612 Sand Shoe - 10 x 12 x 2 (T30) 2 C11294 45 Solid Axle 2 C10619 46 Roll Pin 3/8 x 2 1/2 4 A10054.9 49 Removable Cushion Foot - 10 x 10 2 12497	43		1	C10592.2					
44 Sand Shoe - 10 x 10 x 1 5/8 (T18) 2 C11391 Sand Shoe - 10 x 12 x 4 1/2 (T11) 2 C10612 Sand Shoe - 10 x 12 x 2 (T30) 2 C11294 45 Solid Axle 2 C10619 46 Roll Pin 3/8 x 2 1/2 4 A10054.9 49 Removable Cushion Foot - 10 x 10 2 12497		Sand Shoe - 10 x 10 x 4 1/2 (T13)	2	C10619					
44     Sand Shoe - 10 x 12 x 4 1/2 (T11)     2     C10612       Sand Shoe - 10 x 12 x 2 (T30)     2     C11294       45     Solid Axle     2     C10619       46     Roll Pin 3/8 x 2 1/2     4     A10054.9       49     Removable Cushion Foot - 10 x 10     2     12497	44	Sand Shoe – 10 x 10 x 1 5/8 (T18)	2	C11391					
Sand Shoe – 10 x 12 x 2 (T30)     2     C11294       45     Solid Axle     2     C10619       46     Roll Pin 3/8 x 2 1/2     4     A10054.9       49     Removable Cushion Foot – 10 x 10     2     12497	44	Sand Shoe – 10 x 12 x 4 1/2 (T11)	2	C10612					
45       Solid Axle       2       C10619         46       Roll Pin 3/8 x 2 1/2       4       A10054.9         49       Removable Cushion Foot – 10 x 10       2       12497		Sand Shoe – 10 x 12 x 2 (T30)	2						
46     Roll Pin 3/8 x 2 1/2     4     A10054.9       49     Removable Cushion Foot – 10 x 10     2     12497	45	` '	2	C10619					
49 Removable Cushion Foot – 10 x 10 2 12497	46		4	A10054.9					
	49		2						
	50		2	12251					



