

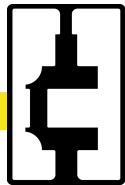


PART & EQUIPMENT IDENTIFICATION FOR : PINS, BUSHINGS, & BEARINGS

COVERING:

**CAT SCRAPERS 613 TO 657
CAT LOADER I.D. PAGE
CAT LOADER 950 TO 992
CAT DOZER I.D. PAGE
CAT DOZERS D11 TO D8
CAT RIPPER PINS
CAT 5130 SHOVEL/EXCV.
CAT EXCAVATOR I.D. PAGE
CAT EXCAVATOR LINKAGE FAMILY INFO**

FULL SERVICE MACHINING, WELDING, & HARD CHROME PLATING SHOP



CHROME CRAFT

MACHINING & HARD CHROME

MACHINING

CNC Lathe (16" turning dia. X 60.2" long)
CNC Lathe 3rd axis (25.5" turning dia. X 120" long)
CNC Vertical Machining Center/Mill by Haas
(84" x-axis, 40" y-axis, 30" z-axis)
CNC Vertical Mill by Hurco at our SoCal location
(84" x-axis, 34" y-axis, 30" z-axis)
Manual Lathes (42" diameter X 120" long)
Oil Tool Lathe with 20" headstock thru-hole
Vertical Mills up to 96" table
Vertical Hole Drill up to 68" length
Horizontal Boring Mill (48" X 60" table)
O.D. Precision Grinding 156" center to center
I.D. Precision Grinding Machines (2" I.D. to 12" I.D.)
Centerless Grinding (3" O.D. X 18" long)
Cylinder Hone (up to 20" X 300" long)
Press 80 Ton
Machine Polishing

WELDING

Submerged Arc, Mig, Tig, Heliarc
Automatic O.D. Welding (33" dia. X 144" long)
Automatic I.D. Welding (1" to 24" dia.)
Prep-weld for re-cutting splines, keyways & threads

HARD CHROME PLATING

Hard Chrome Electroplating (72" wide X 288" long)
Hard Chrome Stripping to (72" wide x 180" long)

EXCHANGE & REMANUFACTURED PARTS

Parts for CAT & Komatsu Heavy Equipment Pins
for Scrapers, Loaders, Excavators, Dozer etc.
Hydraulic Cylinder Rods, Barrels, Heads, Groups
Scraper & Haul Truck Axle Housings
Dead Axles, Wheel Spindles, Rotor Spools

HYDRAULIC REBUILDING & REPAIR

Cylinder Unit tear-down and rebuild
(336" working length bench)
Rod Nut torque on/off (to 50,000 foot-pounds)
Hydraulic pressure testing (3,500 p.s.i.)
Hydraulic Cylinder Barrel Hone (up to 20" diam.)
Cylinder Barrel re-tube, Rod re-chrome or re-rod
Control Valve Spool Re-fit, body chrome/hone

METALLURGICAL TESTING & STRESS RELIEF

Ultrasound, Magnaflux, Dye flaw detection
Rockwell Hardness, Chrome Thickness testing
Steel shot, Mechanical Peen
Oven to 450 degrees (30" X 47" or 23" X 72")

SERVING INDUSTRY SINCE 1963

- **For Construction, Mining, Logging Equipment:**
Hydraulics, Axle Housings, Wheel Spindles, Dead Axles, Pins, Trunnions, Pump shafts, Control Values.
- **For Mill and Factory Equipment Parts:** *Rolls, Bed Plates, Straight Edges, Guides, Running Gear Parts.*
- **For Plastic Extrusion Parts:**
Dies, Spiders, Mandrels, Sizing Sleeves, Pins, Gauges etc.
- **For Food Processing & Agricultural Parts:** *Seaming Machine, Can Making, Votator, Weeder Bars.*
- **For Geothermal, Hydro, Wind Energy Parts:**
Turbine/Sun/Pump shafts, etc.

916-383-1660

5950 88th Street Sacramento, CA 95828

Visitors & Will Call Are Welcome!

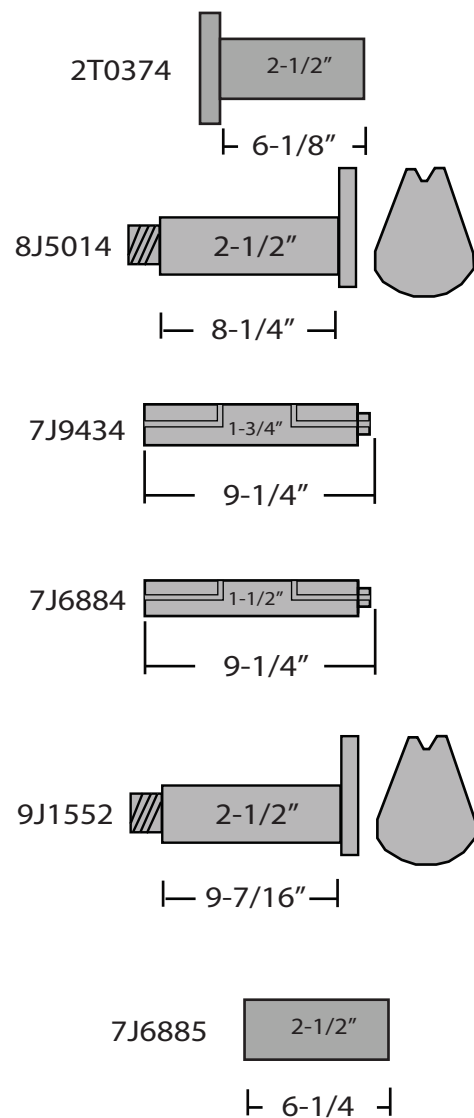
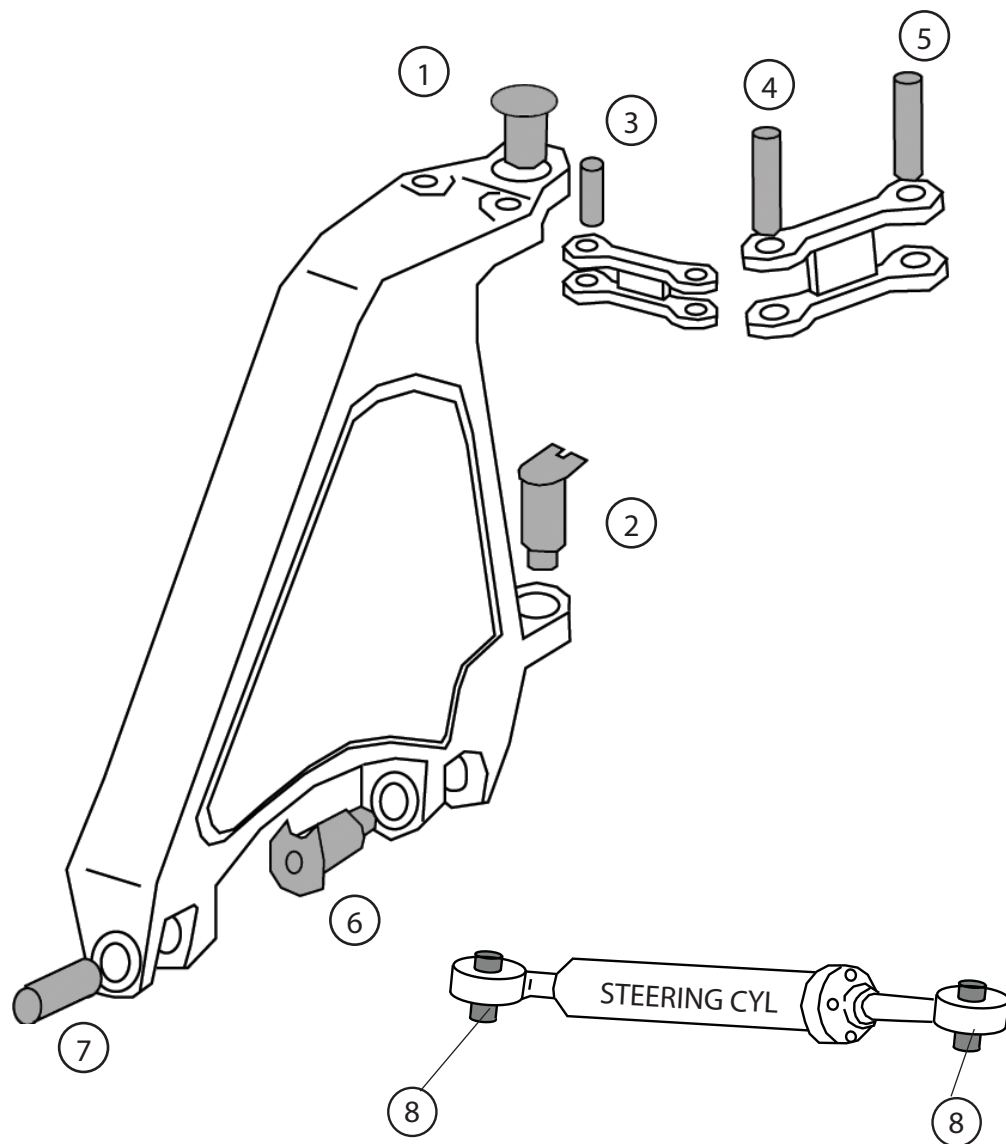
A Division of:



234 E. O Street Colton, CA

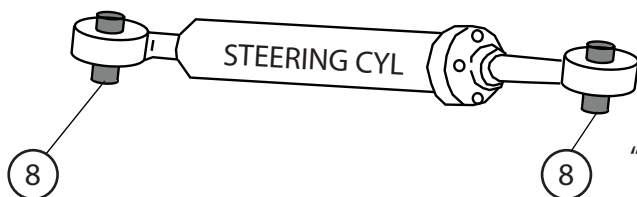
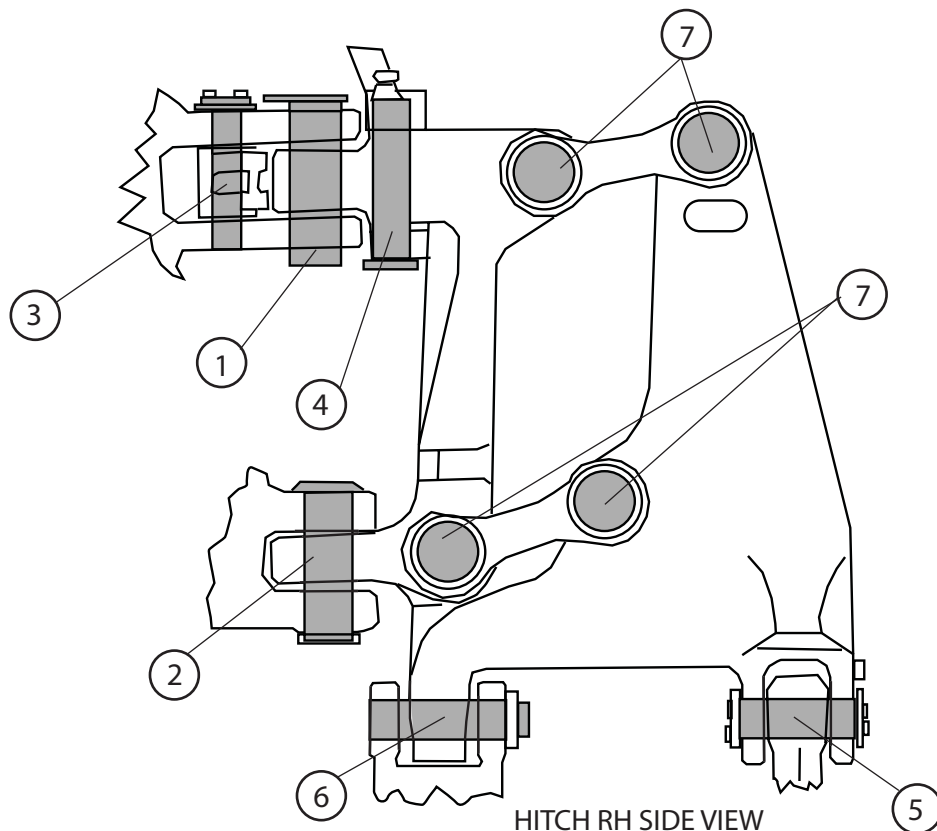
HARD CHROME - PRECISION MACHINING - WELDING - PART REMANUFACTURING

613C 613CII 613CIII



	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	2T0374	1 REQ.	TOP VERTICAL	1EA 2T1581 & 2EA 5T1244
2.	8J5014	1 REQ.	LOWER VERT.	1EA 2T1581, 1EA 5T1242, & 1EA 5T1243
3.	9J3741	2 REQ.	STEER H LINK	1EA 9J3742
4.	7J9434	2 REQ.	STEER H LINK	2EA 7J6250
5.	7J6884	2 REQ.	STEER H LINK	
6.	9J1552	1 REQ.	LOWER HORIZ.	1EA 9J3206
7.	7J6885	1 REQ.	LOWER HORIZ.	1EA 2T1280
8.	8J2173	2 REQ.	STER CYL PIN	1EA 7J6250 (ROD OR CYL BEARING)

621B / 623B / 627B



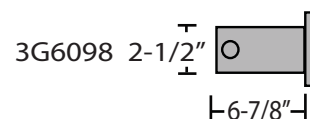
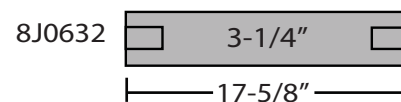
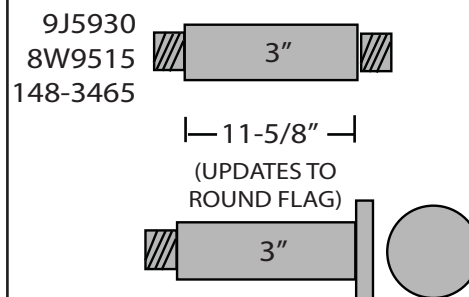
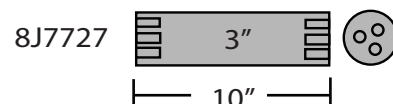
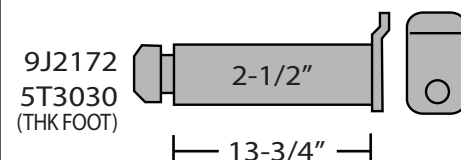
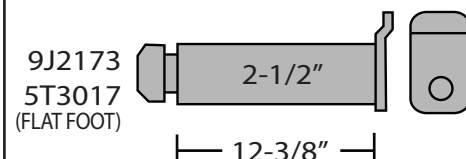
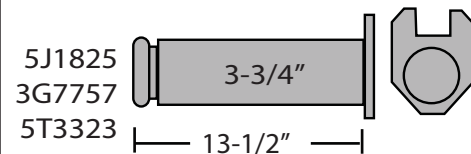
"B" MODEL STYLE SHOWN
ALL PINS UPDATE TO
621E/623E/627E MODEL PINS

1.	CC 5J1825	TOP VERTICAL		1 REQ.
2.	CC 5J1825	LOWER VERTICAL[P,R]		1 REQ.
3.	CC 9J2173	STEER H LK 5T8526 [P]		2 REQ.
4.	CC 9J2172	STEER H LK 5T6819 [P]		4 REQ.
5.	CC 8J7727	LOWER HORIZONTAL [P]		1 REQ.
6.	CC 9J5930	LOWER HRZ.146-3465[P]		1 REQ.
7.	CC 8J0632	H-LINK (8X0962) [P]		4 REQ.
8.	3G6098	-BER- STER CYL		2 REQ.

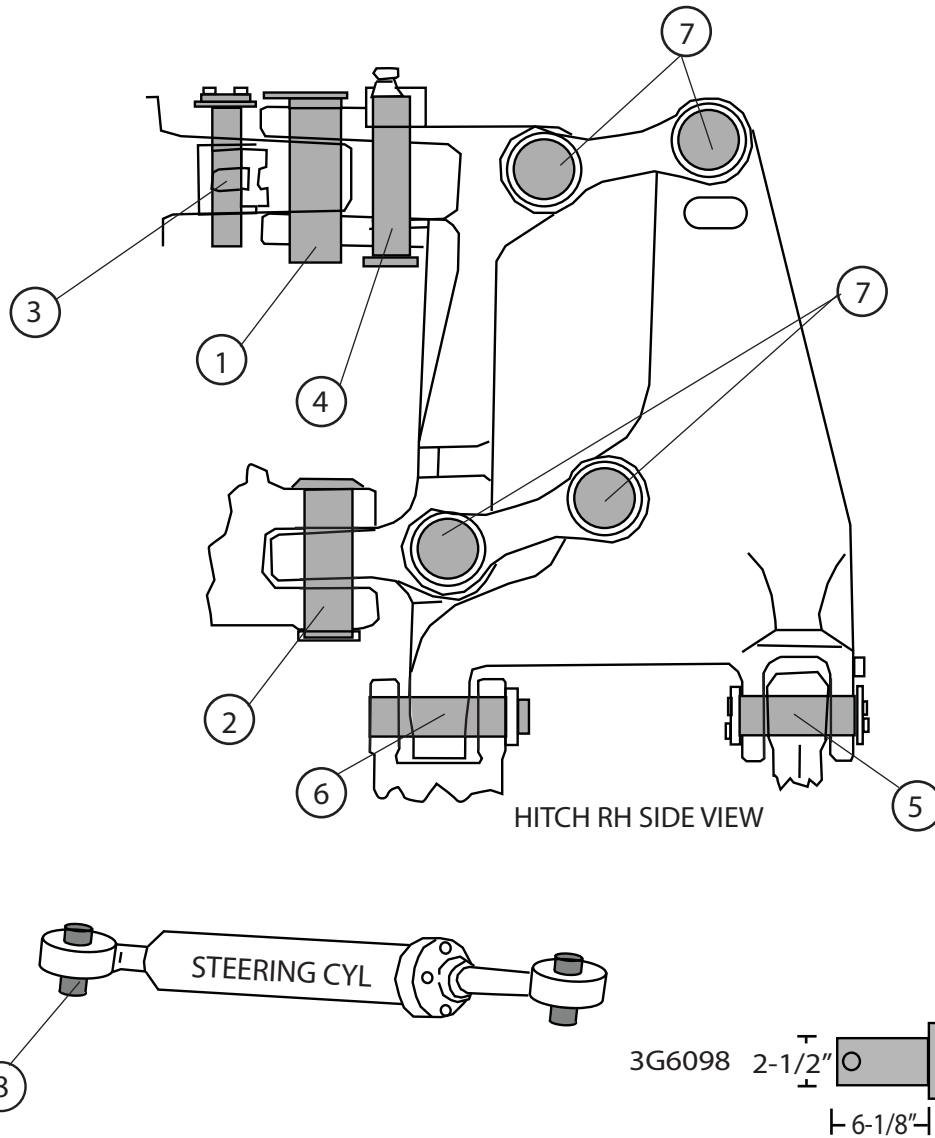
"B" MODEL STYLE SHOWN
ALL PINS & BUSHINGS UPDATE TO 623E
SEE 621E/623E/627E MODEL PAGE FOR PARTS OFFERED

HITCH PINS

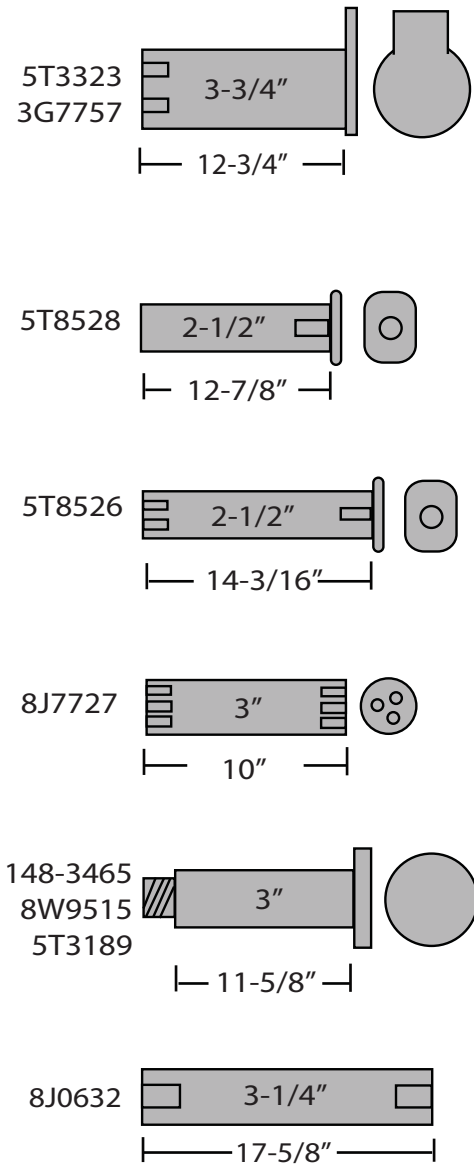
"B" MODEL STYLE SHOWN
ALL PINS UPDATE TO
621E/623E/627E MODEL PINS



621E/F 623E/F 627E/F 621B 623B 627B UPDATES

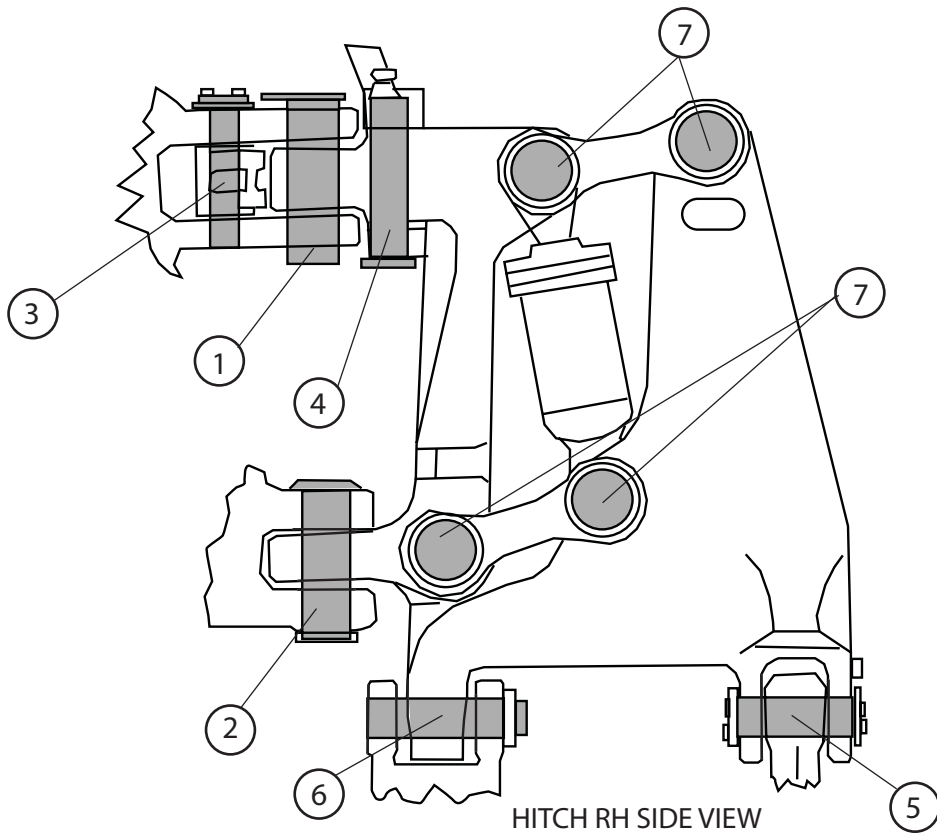


HITCH PINS



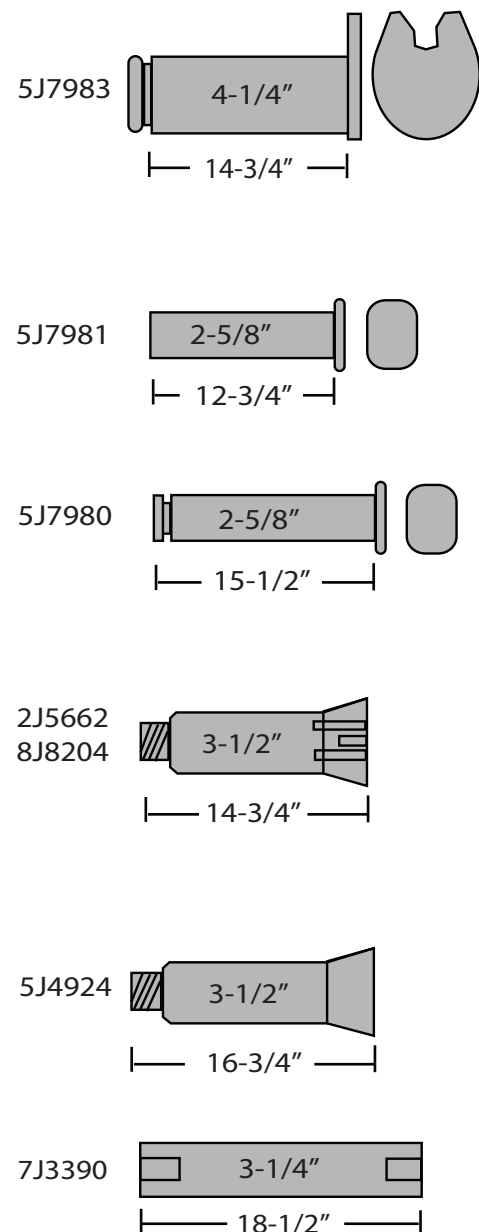
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1.	5T3323	1 REQ.	TOP VERTICAL	2EA 5J6611, 1 EA 4J5694
2.	5T3323	1 REQ.	LOWER VERT.	1EA 4J5694, 1EA 4J5695, & 1EA 4J5693
3.	5T8528	4 REQ.	STEER H LINK	1EA 9J1679, 1EA 9J1676
4.	5T8526	2 REQ.	STEER H LINK	2EA 9J1676
5.	8J7727	1 REQ.	LOWER HORIZ.	4EA 8J7596
6.	148-3465	1 REQ.	LOWER HORIZ.	2EA OF ALL 6G5155, 8D8829, 8J7596, 6G5203
7.	8J0632	4 REQ.	H-LINK (8X0962)	2EA 9J9427, 2EA 7J8458
8.	3G6098	2 REQ.	STER CYL PIN	1EA 5P9962 (CYL OR ROD BEARING)

631B/633B/637B



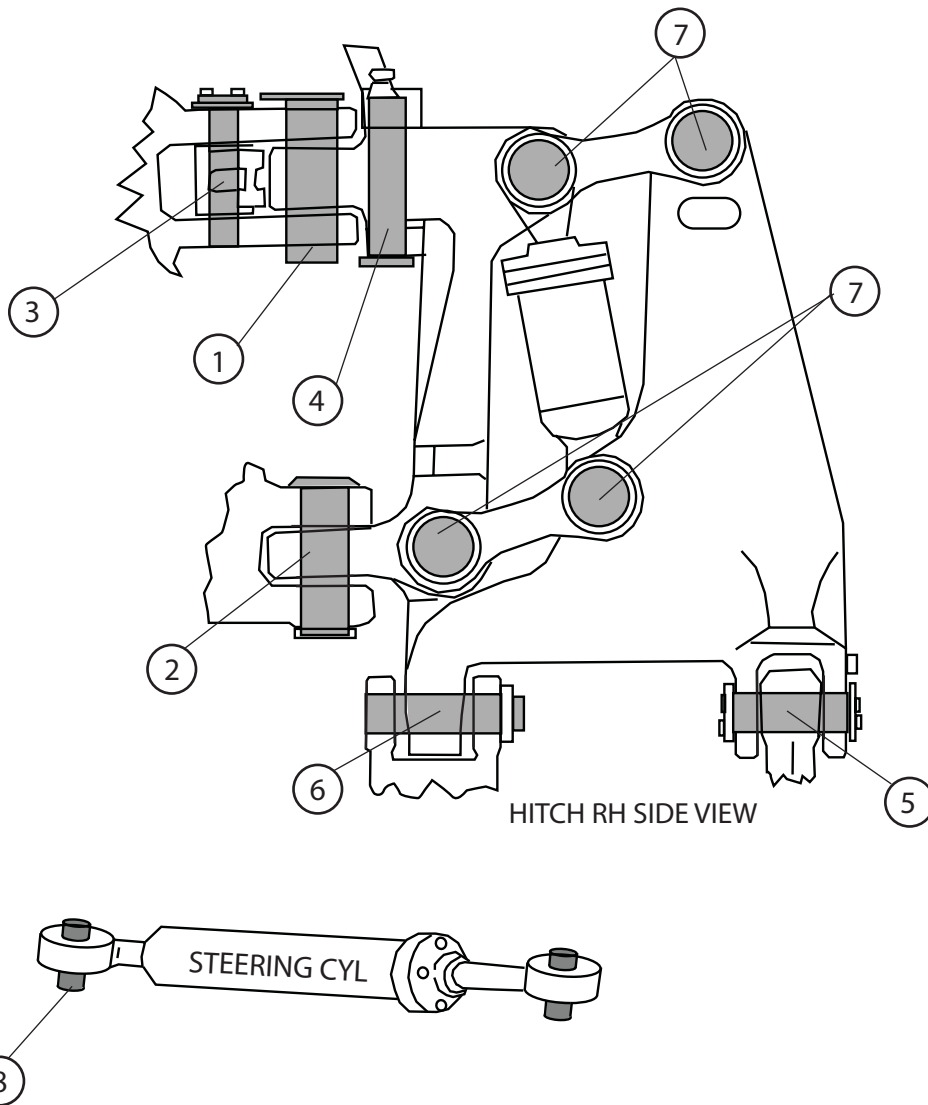
HITCH RH SIDE VIEW

HITCH PINS



	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	5J7983	1 REQ.	TOP VERTICAL	1EA 5J6430 & 2EA 5J8361
2.	5J7983	1 REQ.	LOWER VERT.	1EA 5J6430 & 1EA 5J8361 OR 1EA 5J8363
3.	5J7981	2 REQ.	STEER H LINK	1EA 5J8360 1EA 5J8362 & 2EA 3J3953
4.	5J7980	4 REQ.	STEER H LINK	1EA 3J9710 & 3EA 3J3953
5.	2J5662	1 REQ.	LOWER HORIZ	2EA 2D9216 2EA 2J5394 & 2EA 2J5531
6.	5J4924	1 REQ.	LOWER HORIZ	2EA 5J4929 2EA 2J5394 & 2EA 2J5233
7.	7J3390	4 REQ.	H-LINK(8X0962)	2EA 9J9427 & 2EA 7J3378

631C-D/633C-D/637C-D

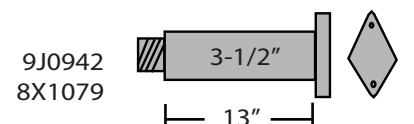
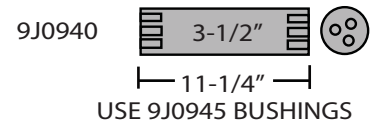
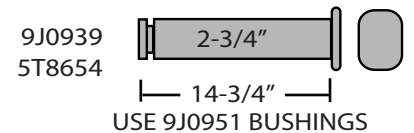
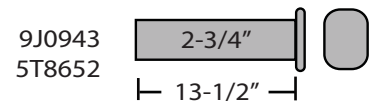
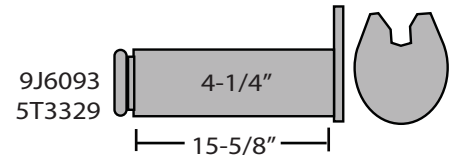
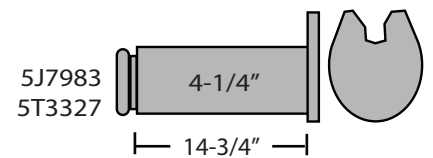


	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	9J6093	1 REQ.	TOP VERTICAL	1EA 9J0949 & 2EA 5J8363
2.	5J7983	1 REQ.	LOWER VERTICAL	1EA 5J6430, 1EA 5J8361, 1EA 5J8363
3.	9J0943*	2 REQ.	STEER H LINK	2EA 9J0951, 1EA 9J1140, 1EA 9J1141
4.	9J0939	4 REQ.	STEER H LINK	4EA 9J0951
5.	9J0940	1 REQ.	LOWER HORIZ.	2EA 9D4094 & 2EA 9J0945
6.	9J0942	1 REQ.	LOWER HORIZ.	2EA 9J0945, 2EA 9J0946, 2EA 8W3881
7.	8X1080*	4 REQ.	H-LINK (8X0962)	2EA 9J0950 & 2EA 9J0948
8.	3G7752	2 REQ.	STER CYL PIN	1EA 7J2603 & 1EA 7J2604

*CORE REQUIRED

HITCH PINS

"C/D" MODEL STYLE SHOWN
ALL PINS UPDATE TO
631E/633E/637E MODEL PINS



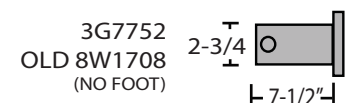
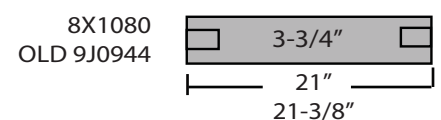
UPDATES TO

3-1/2"

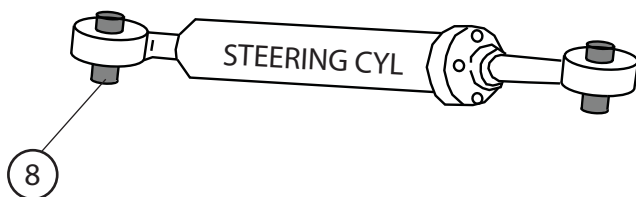
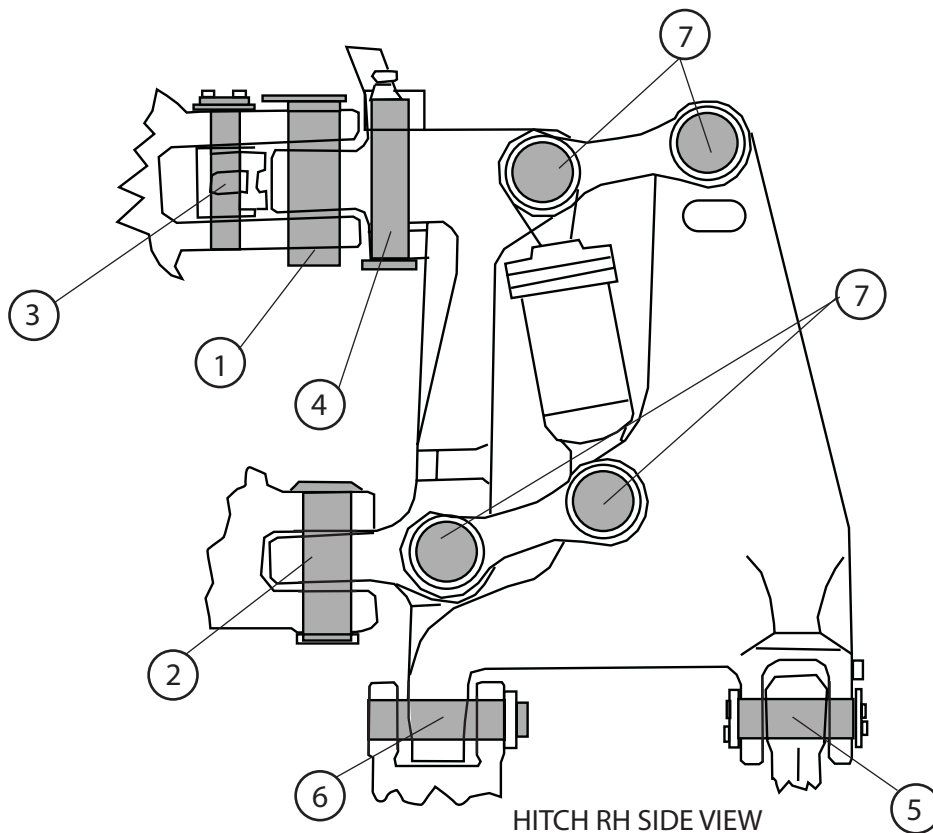
21"

21-3/8"

USE 9J0945 & 9J0946 BUSHINGS
AND USE 2J5233 FLANGE BUSHINGS

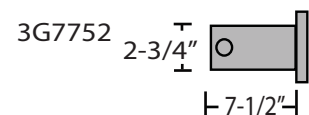
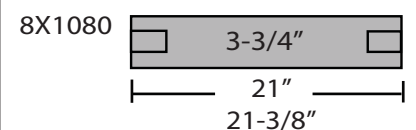
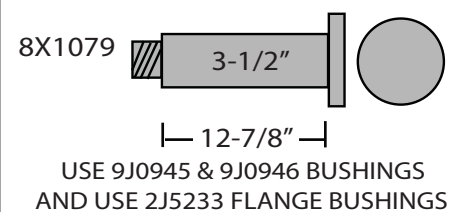
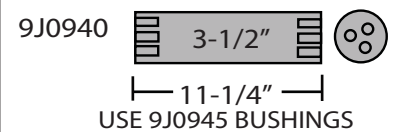
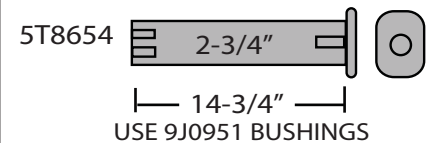
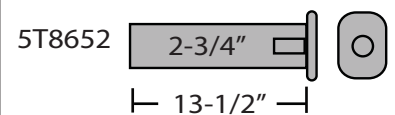
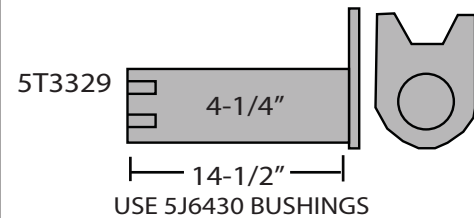
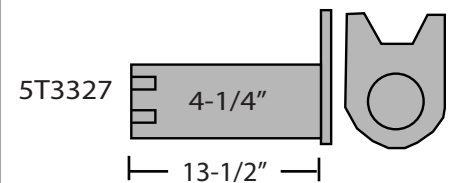


631E/633E/637E

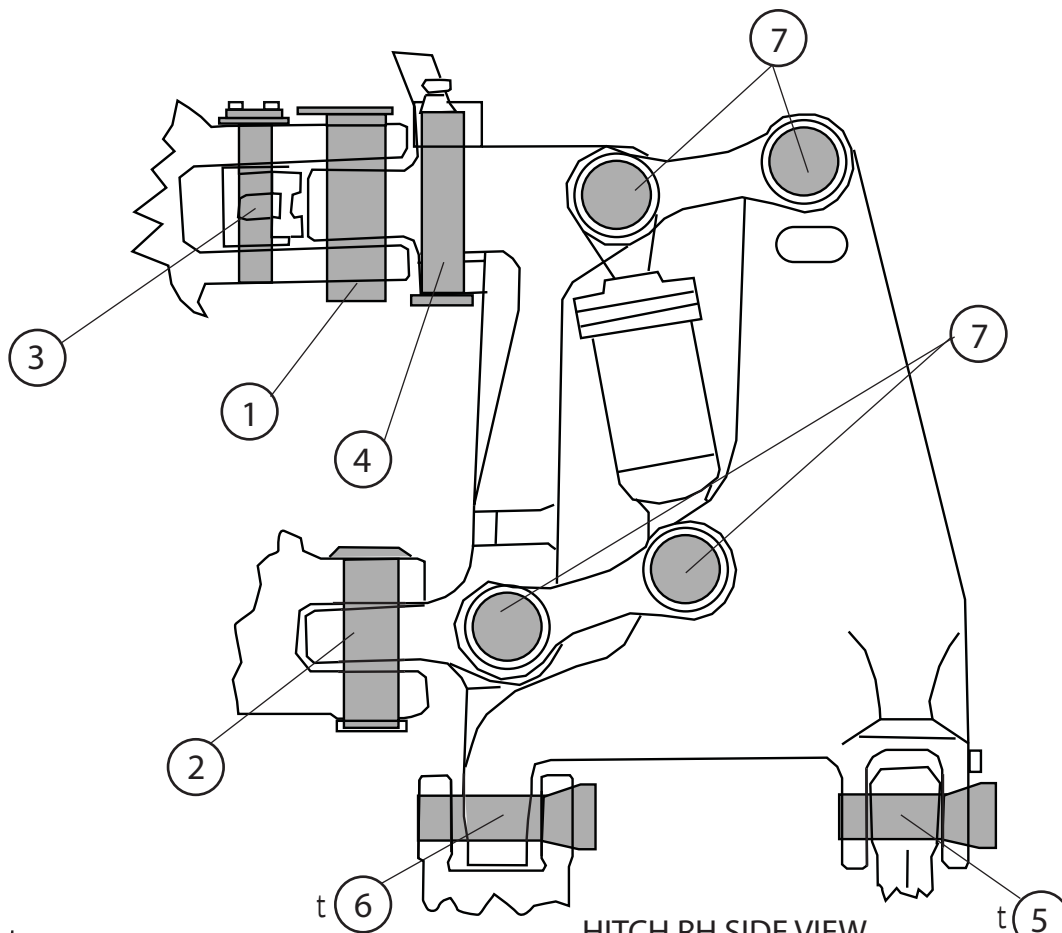


	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	5T3329	1 REQ.	TOP VERTICAL	1EA 9J0949 & 2EA 5J8363
2.	5T3327	1 REQ.	LOWER VERTICAL	1EA 5J6430, 1EA 5J8361, 1EA 5J8363
3.	5T8952	2 REQ.	STEER H LINK	2EA 9J0951, 1EA 9J1140, 1EA 9J1141
4.	5T8654	4 REQ.	STEER H LINK	4EA 9J0951
5.	9J0940	1 REQ.	LOWER HORIZ.	2EA 9D4094 & 2EA 9J0945
6.	8X1079	1 REQ.	LOWER HORIZ.	2EA 9J0945, 2EA 9J0946, 2EA 8W3881
7.	8X1080	4 REQ.	H-LINK (8X0962)	2EA 9J0950 & 2EA 9J0948
8.	3G7752	2 REQ.	STER CYL PIN	1EA 7J2603 & 1EA 7J2604

HITCH PINS



641/651B/657B



HITCH RH SIDE VIEW

^t NOTE: SOME CUSTOMERS HAVE "RE-BORED" THE LOWER HORIZONTALS ON THEIR 651B OR 657B SCRAPERS TO NO LONGER TAKE THE ORIGINAL PINS. IN THIS CASE THEY ARE UPDATED TO THE LOWER HORIZONTAL PINS USED ON 657E. THIS IS NOT AN OEM CHANGE AND WILL REQUIRE THE CUSTOMER TO INFORM US OF THIS CHANGE BY ORDERING THE CORRECT NUMBER OR INFORMING US OF THE CHANGE.

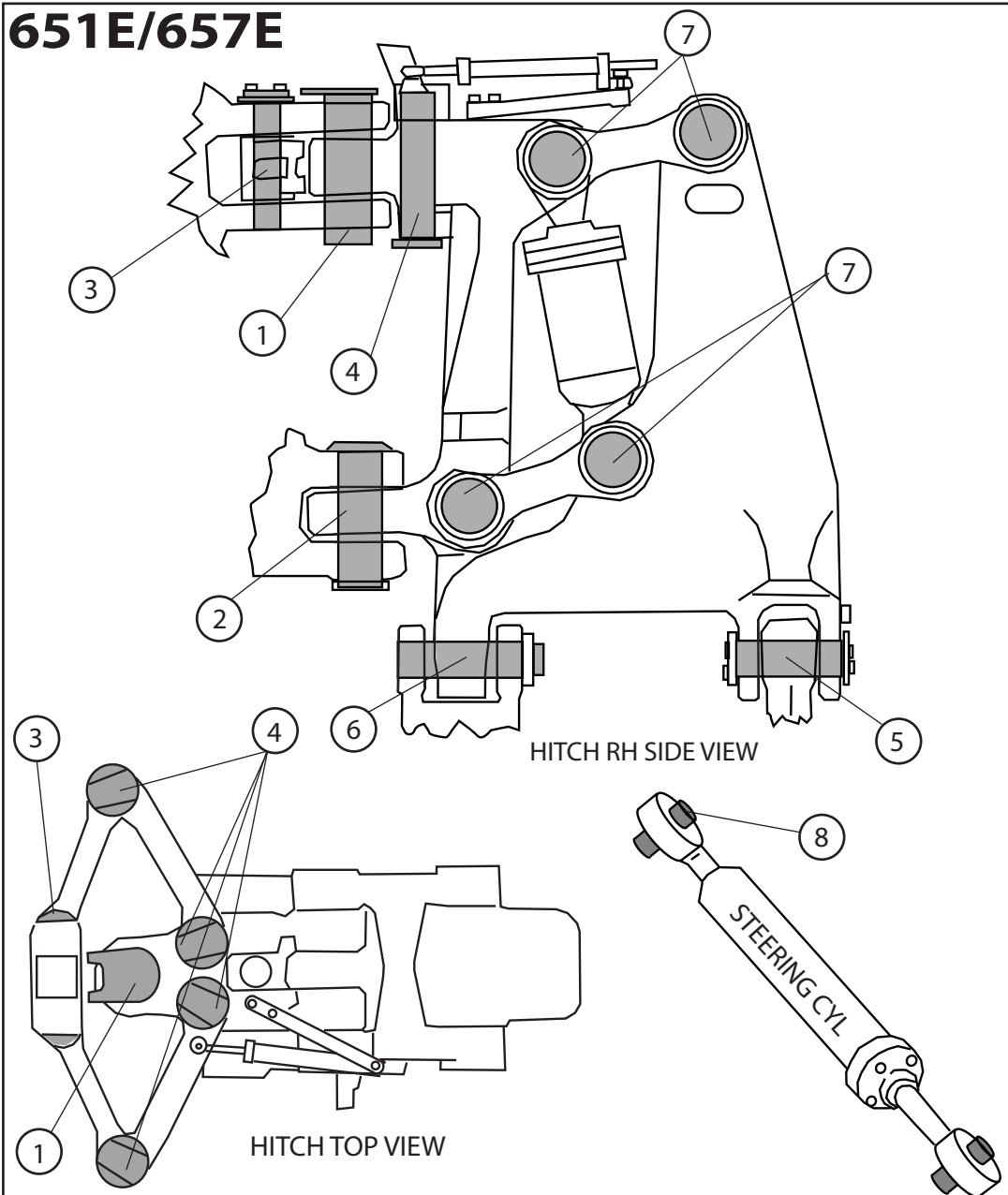
HITCH PINS

- | | | |
|------------------------------|---------|--|
| 9J7344
7J3621 | | |
| 1. | 15" | |
| 9J7345
7J3634
333-9877 | | |
| 2. | 16-1/4" | |
| 6J6303
8J3297 | | |
| 3. | 14" | |
| 6J6302 | | |
| 4. | 15-1/2" | |
| 2J5662
8J8204 | | |
| 5. | 14-3/4" | |
| 9J2677 | | |
| 6. | 18-1/4" | |
| 6J6306
8X0564 | | |
| 7. | 22-3/4" | |

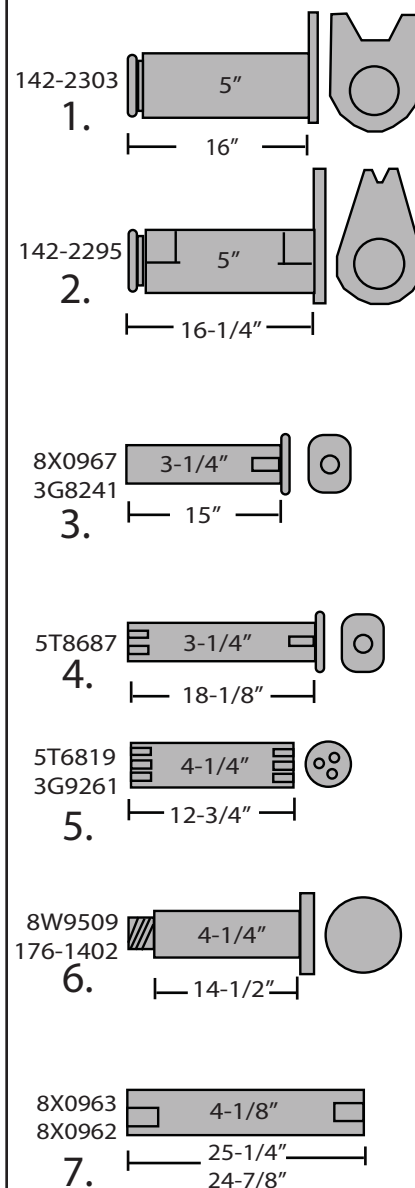
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1.	9J7344	1 REQ.	TOP VERTICAL	1 EA 5J8825 & 2 EA 5J8065
2.	9J7345	1 REQ.	LOWER VERTICAL	1 EA 5J8826 & 2 EA 7J3617
3.	8J3297*	2 REQ.	STEER H LINK	2 EA 5J8103, 1 EA 5J8067 , 1 EA 5J8056
4.	6J6302	4 REQ.	STEER H LINK	2EA 6J9764 & 2EA 5J8103
5.	8J8204	1 REQ.	^t LOWER HORIZ.	2EA 2J5394 & 1EA 2J5531
6.	9J2677	1 REQ.	^t LOWER HORIZ.	1EA 3J5182, 2EA 2J5233 & 2EA 5J4929
7.	8X0564*	4 REQ.	H-LINK (6J6306)	2EA 9J9904, 2EA 8J3213 & 2EA 3G6021

*CORE REQUIRED

651E/657E



HITCH PINS & BUSHINGS



	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	142-2303	1 REQ.	TOP VERTICAL	1EA 1U0153 & 2EA 5J8065
2.	142-2295	1 REQ.	LOWER VERTICAL	1EA 5J8826 & 2EA 7J3617
3.	8X0967*	2 REQ.	STEER H LINK	2EA 3G8245, 1EA 3G9967, & 1EA 3G9968
4.	5T8687*	4 REQ.	STEER H LINK	4EA 3G8245
5.	5T6819	1 REQ.	LOWER HORIZ.	2EA 5T6820
6.	8W9509*	1 REQ.	LOWER HORIZ.	2EA 1U0145 & 2EA 1U0151
7.	8X0963	4 REQ.	H-LINK(8X0962)	2EA 6G6844 & 2EA 6G6847
8.	1U0138	2 REQ.	STEERING CYL	2EA 4T2189
9.	6J5953*	2 REQ.	BOWL HINGE	
10.	1U4110	3 REQ.	BAIL PIN	
11.	4T1810*	1 REQ.	APRON LINK	2 EA 3J2373

*CORE REQUIRED



CHROME CRAFT
INDUSTRIAL PARTS REMANUFACTURING
(916) 383-1660

SCRAPER CYL CHART

BAIL, STEERING, APRON & LOAD

DATE: _____

637D

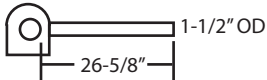
651B / 657B

657E

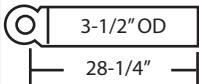
Bail Cyl.

Group 8J8458

Rod 8J8467



Barrel 8J8457

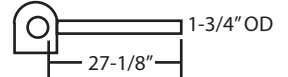


651B / 657B
SAME AS 637D

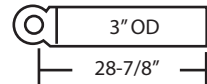


Group 4T5638

Rod 4T5636



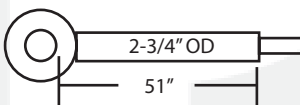
Barrel 4T5639



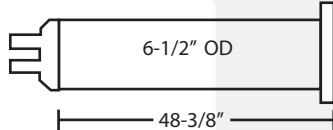
Steering Cyl.

Group 3G7607

Rod 8J9924

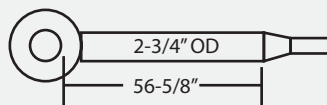


Barrel 3G7608

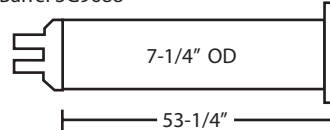


Group 3G9689

Rod 5J8148

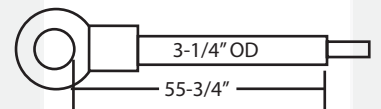


Barrel 3G9688

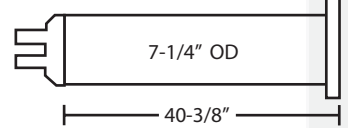


Group 4T8563

Rod 4T8565



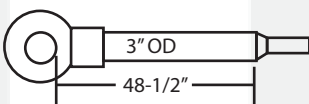
Barrel 3G5515



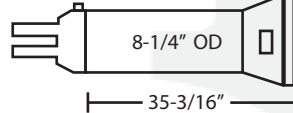
Apron Cyl.

Group 8J9959

Rod 5J9060

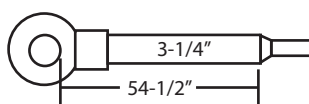


Barrel 8J5930

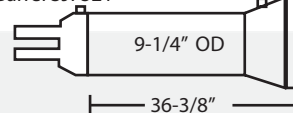


Group 5J8117

Rod 5J8116

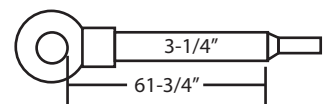


Barrel 3J7521

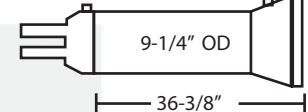


Group 3G8621

Rod 3G8480



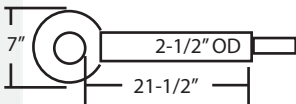
Barrel 3J7521



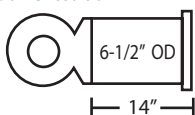
Load Cyl.

Group 8J9959

Rod 9J0508

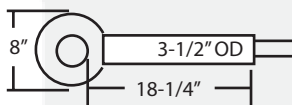


Barrel 8J960

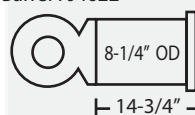


Group 7J4623

Rod 7J6144

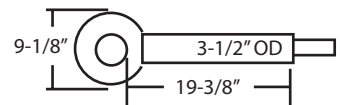


Barrel 7J4622

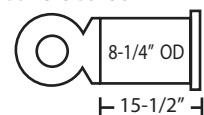


Group 3G8757

Rod 3G8755



Barrel 3G8756



SCRAPER CYL CHART

BOWL & EJECTOR

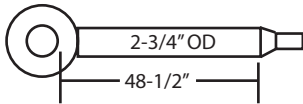
637D

651B / 657B

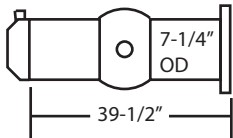
657E

Bowl Lift Group 9J0409

Rod 9J0407

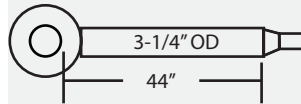


Barrel 9J8232

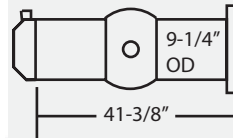


Bowl Lift Group 7J4398

Rod 5J9452

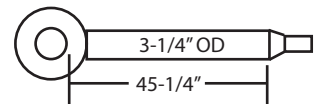


Barrel 7J4342

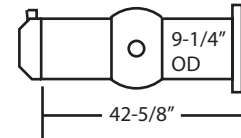


Bowl Lift Group 4T5735

Rod 4T0887



Barrel 3G9219

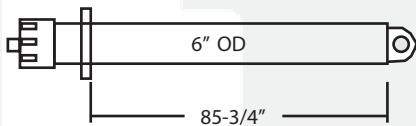


637D Ejector Cyl.

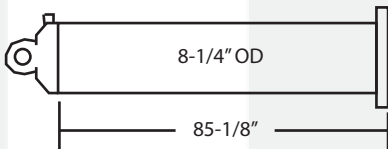
651B Ejector Cyl.

Ejector Group 6J5825

Rod 4J7417

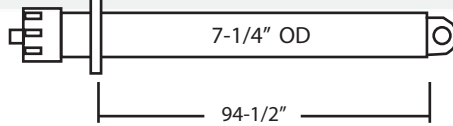


Barrel 6J5825

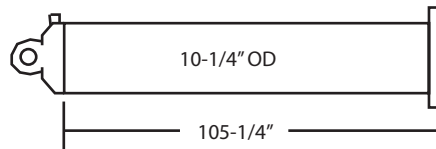


Ejector Group 6J9889

Rod 4J7422



Barrel 6J9888

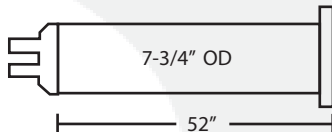


**657B / 657E Ejector
SEE BELOW**

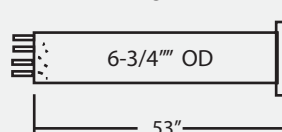
657B Ejector Cyl. (2-Stage Cyl Type)

Ejector Group 3J4483

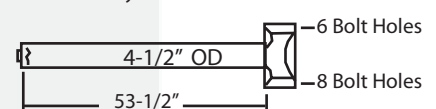
Barrel 3J4449



Tube Stage Rod 5J8526



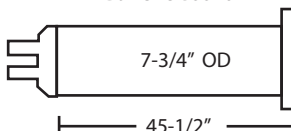
Rod Eye 5J8521



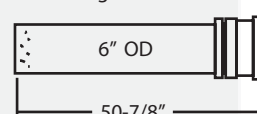
657E Ejector Cyl. (2-Stage Cyl Type)

Ejector Group 3G8827

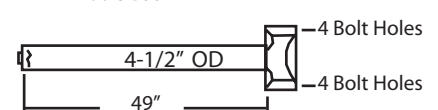
Barrel 3G8826



Tube Stage Rod 3G8825



Rod 3G8824





CHROME CRAFT

916-383-1660

LOADER PARTS ORDER

-Please fill in as much info as possible-

DATE: _____

CUSTOMER: _____

PART NEED FROM BELOW CHART:

OEM MAKE & MODEL: _____

_____ Qty _____

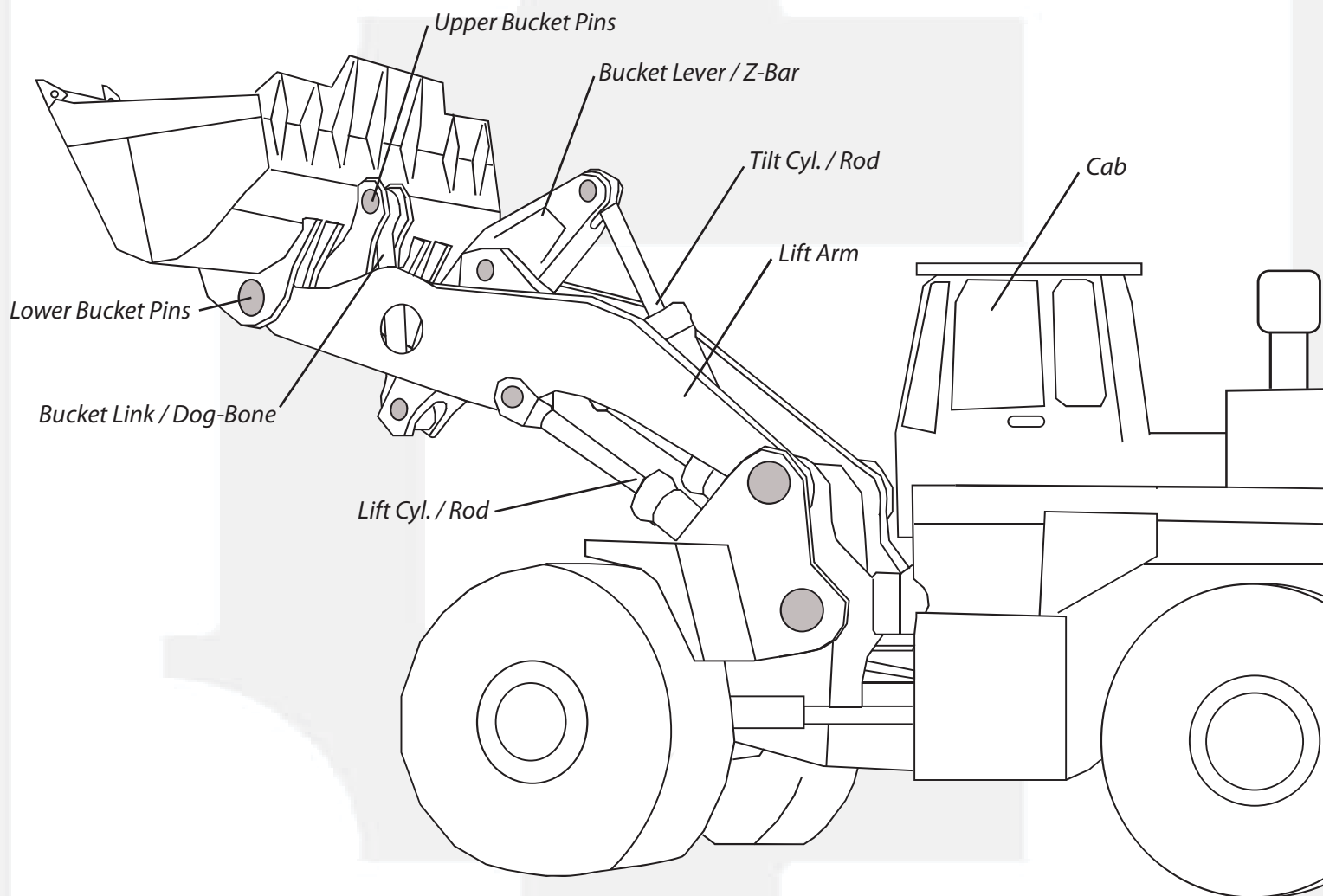
LOADER SERIAL #: _____

CORE AVAILABLE: [YES] [NO]

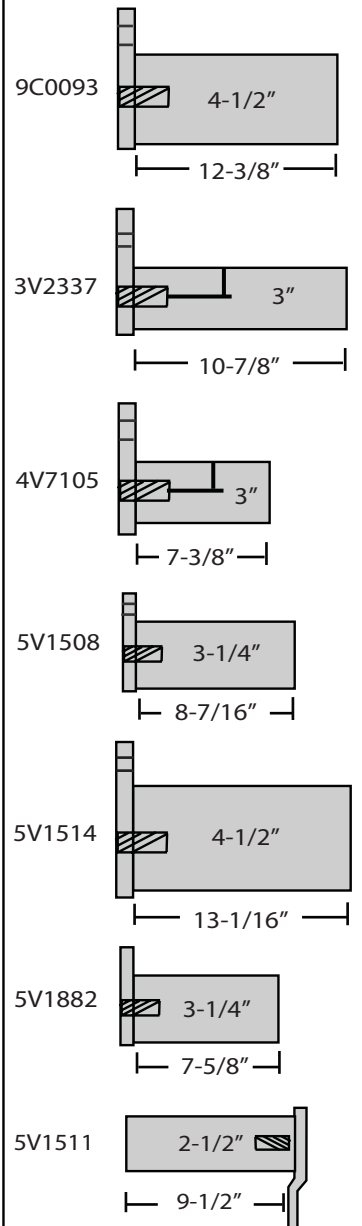
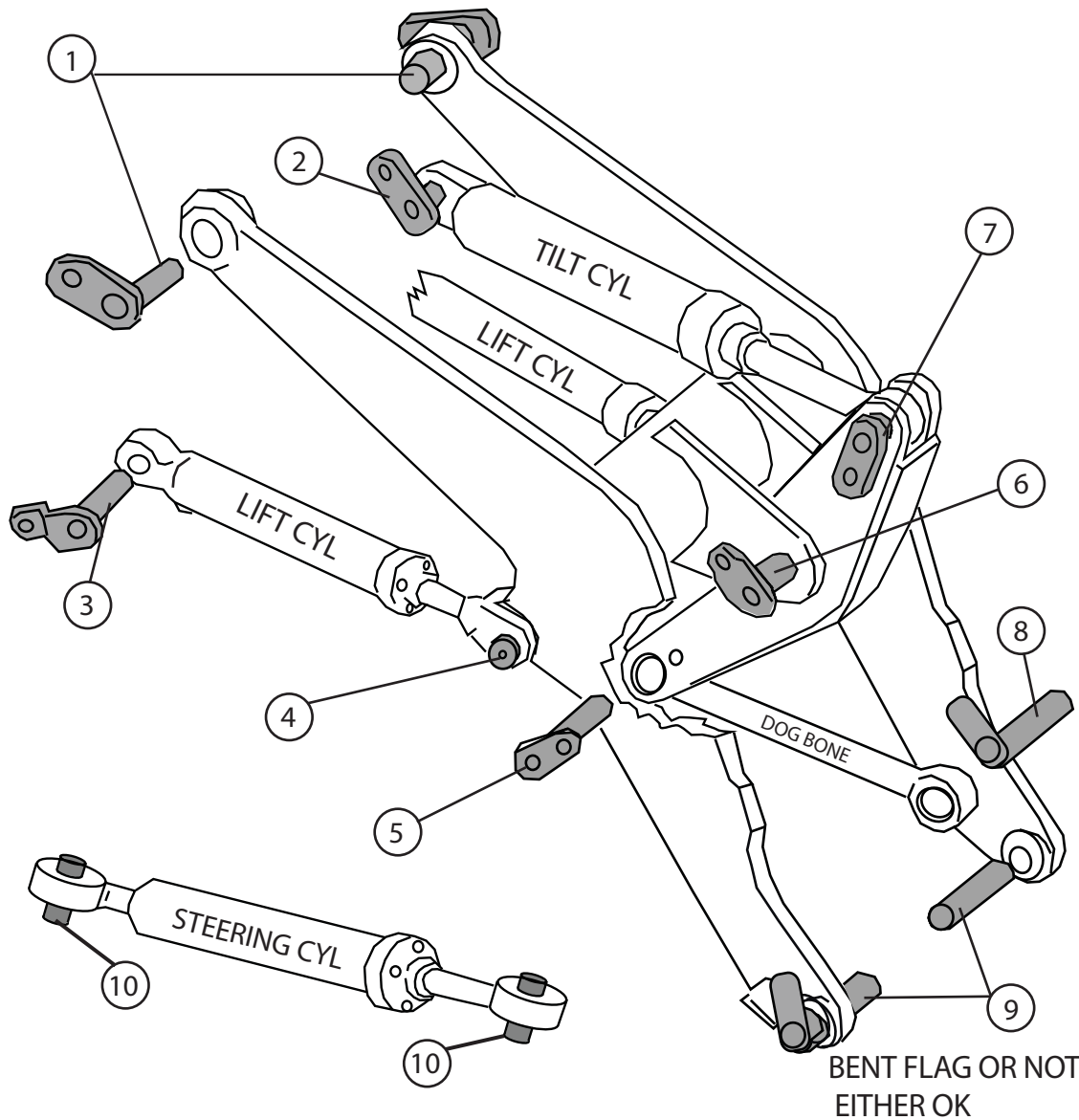
BUCKET PART #: _____

NOTE: _____

LOADER I.D. CHART

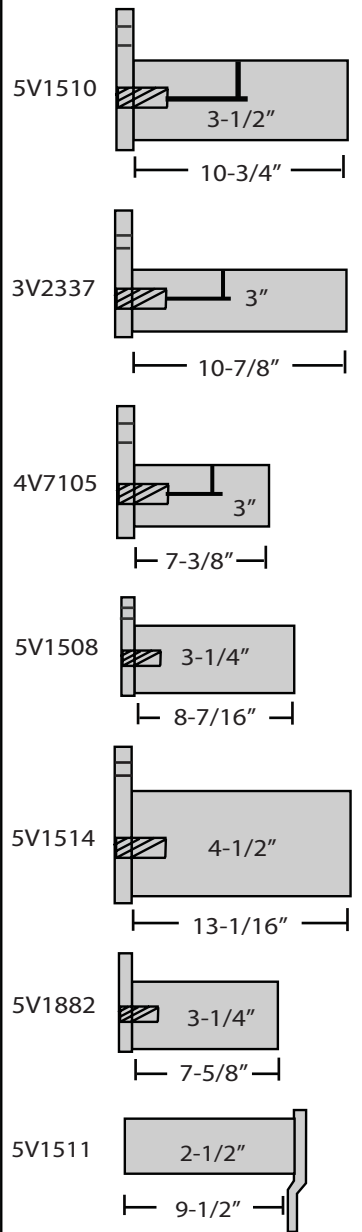
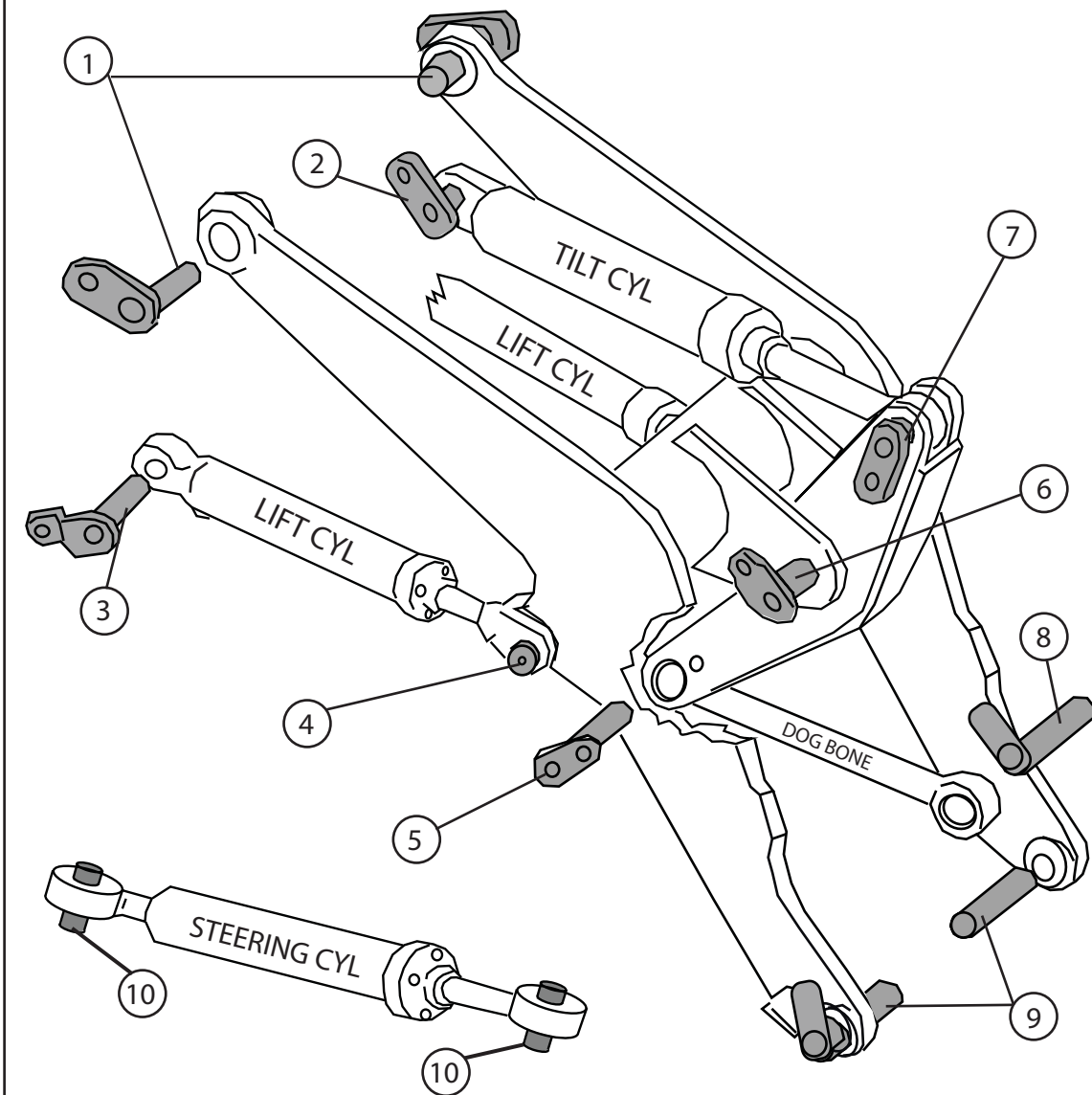


950F II (SERIAL 2LM, 5SK, 8TK)



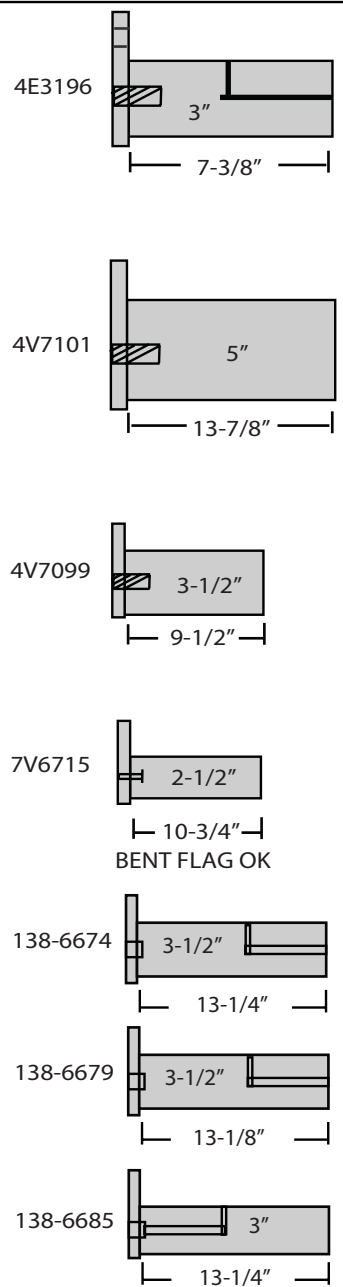
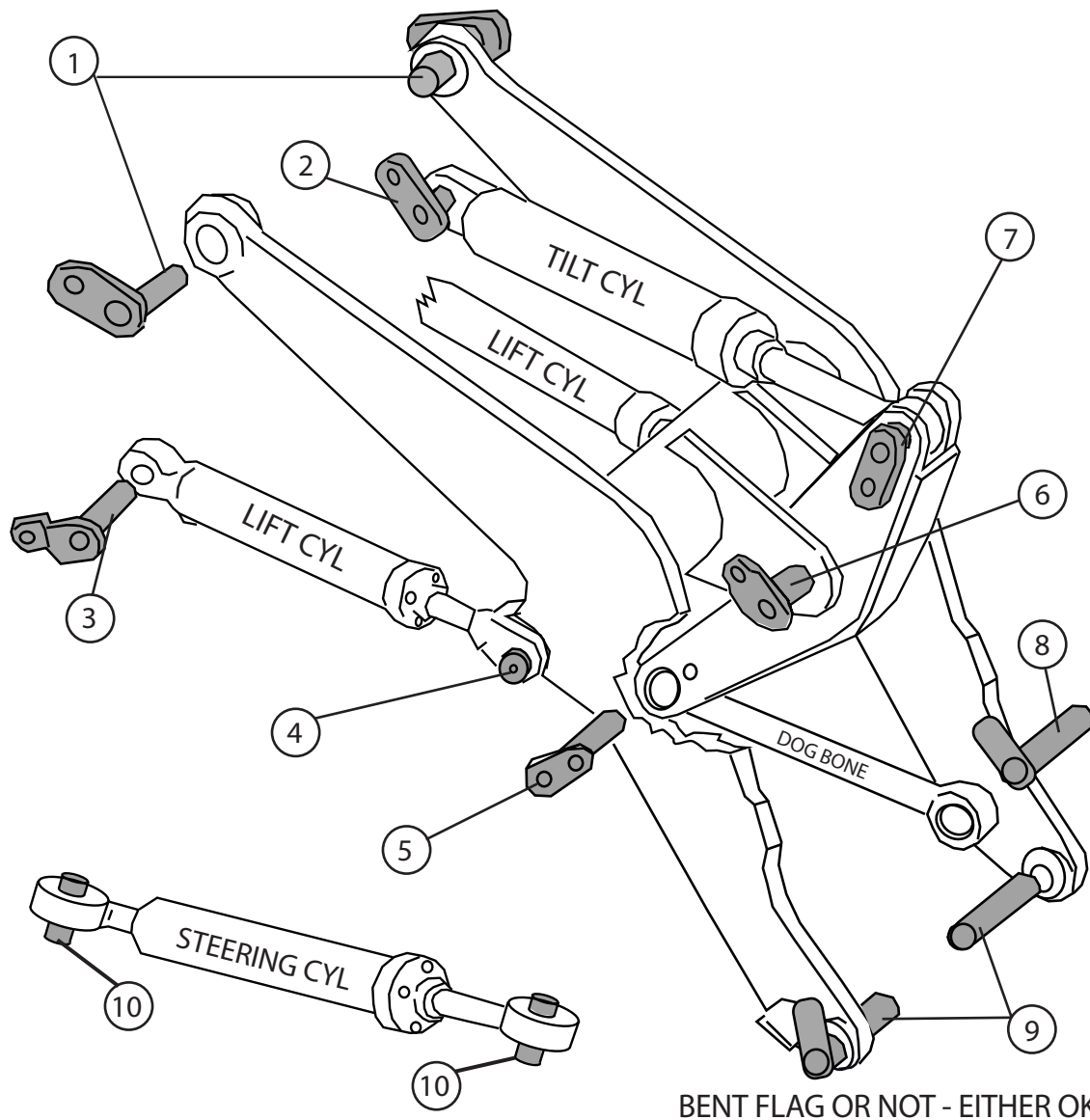
	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	4E3197	2	LINK ARM PIN	1EA 3V2333
2.	5V1509	1	TILT CYL PIN	1EA 3G9191 (CYL BEARING)
3.	3V2337	2	LIFT CYL EYE PIN	1EA 4V8674
4.	4E3196	2	LIFT ROD EYE PIN	1EA 4V8674 , ROD BEARING NOT USED
5.	5V1508	1	LOWER LINK PIN	1EA 3G8779 (DOG BONE BUSHING)
6.	9C0093	1	CENTER LINK PIN	1EA 5V1386
7.	5V1508	1	UPPER LINK PIN	1EA 3G8779
8.	5V1882	1	UPPER BUCKET 310-1899	1EA 3G8779 (DOG BONE BUSHING)
9.	5V1511	2	LOWER BUCKET PIN	1EA 5V1874
10.	2V9722	2	STEERING CYL PIN	1EA 3G4704 (ROD BEARING)

950B/E/F (EARLY F)



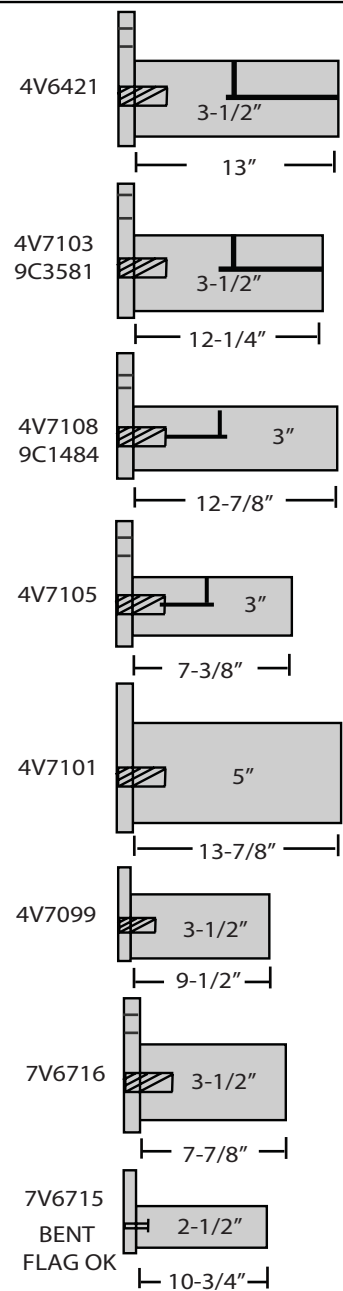
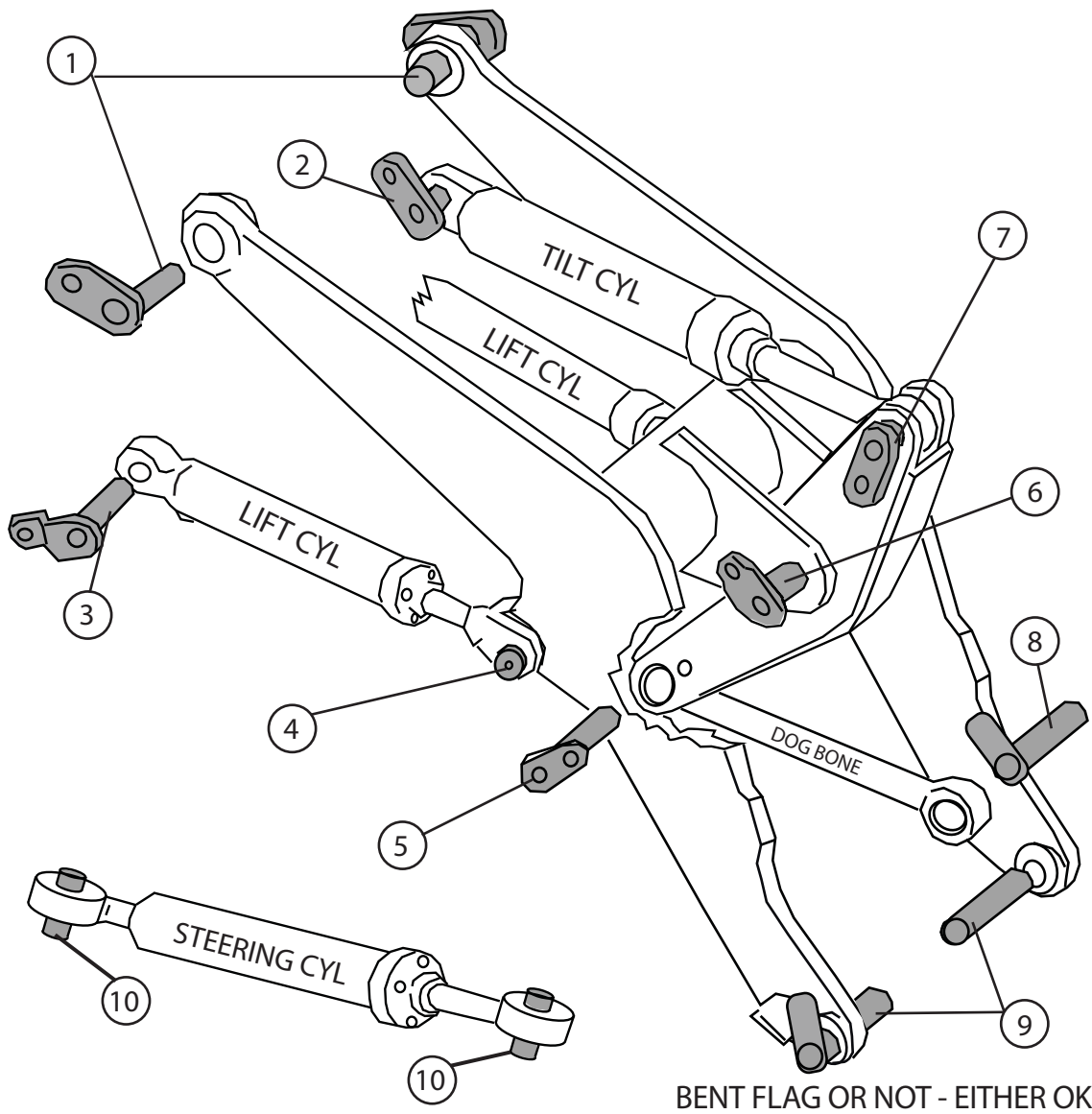
	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	5V1510	2	LINK ARM PIN	1EA 3V2333
2.	5V1509	1	TILT CYL PIN	1EA 3G9191 (CYL BEARING)
3.	3V2337	2	LIFT CYL EYE PIN	1EA 4V8674
4.	4V7105	2	LIFT ROD EYE PIN	1EA 4V8674 , ROD BEARING NOT USED
5.	5V1508	1	LOWER LINK PIN	1EA 3G8779 (DOG BONE BUSHING)
6.	5V1514	1	CENTER LINK PIN	1EA 5V1386
7.	5V1508	1	UPPER LINK PIN	1EA 3G8779
8.	5V1882	1	UPPER BUCKET 310-1899	1EA 3G8779 (DOG BONE BUSHING)
9.	5V1511	2	LOWER BUCKET PIN	1EA 5V1874
10.	2V9722	2	STEERING CYL PIN	1EA 3G4704 (ROD BEARING)

966G/H



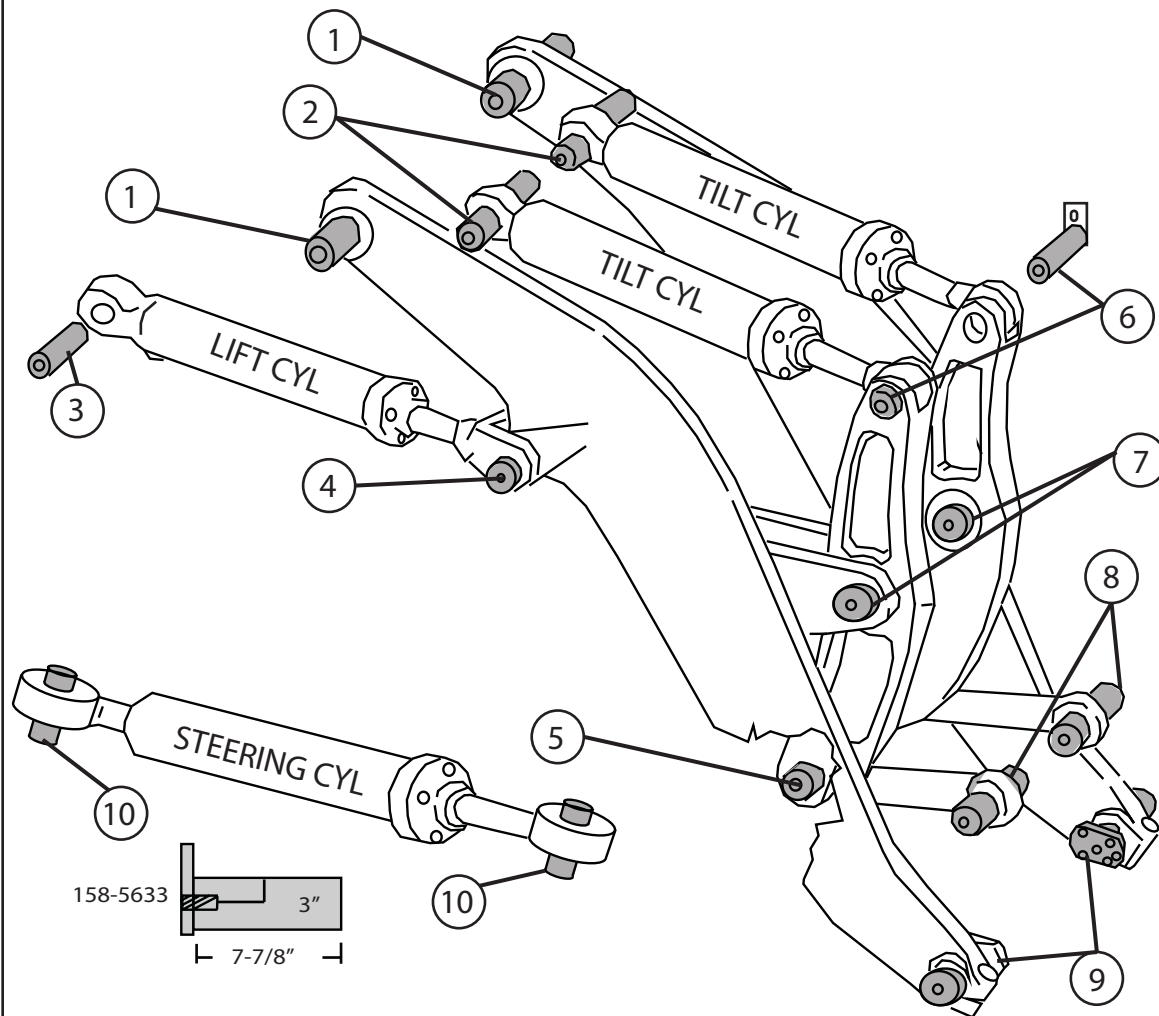
PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	138-6674	2 LIFT ARM LINK PIN	1EA 4V8673
2.	138-6679	1 TILT CYL PIN 9C3581	1EA 9J7100 (CYL BEARING)
3.	138-6685	2 LIFT EYE PIN 9C1484	1EA 9T8676
4.	4E3196	2 LIFT ROD EYE PIN	1EA 4V8674 , ROD BEARING NOT USED
5.	4V7099	1 LOWER LINK PIN	1EA 4V8520 (DOG BONE BUSHING)
6.	4V7101	1 CENTER LINK PIN	1EA 4V8519
7.	4V7099	1 UPPER LINK PIN	1EA 9J7099 (ROD BEARING)
8.	4V7099	1 UPPER BUCKET PIN	1EA 4V8520 (DOG BONE BUSHING)
9.	7V6715	2 LOWER BUCKET PIN	1EA 4V8675
10.	2V9722	2 STEERING CYL PIN	1EA 6V5002 (ROD & CYL BEARING)

966D/E/F

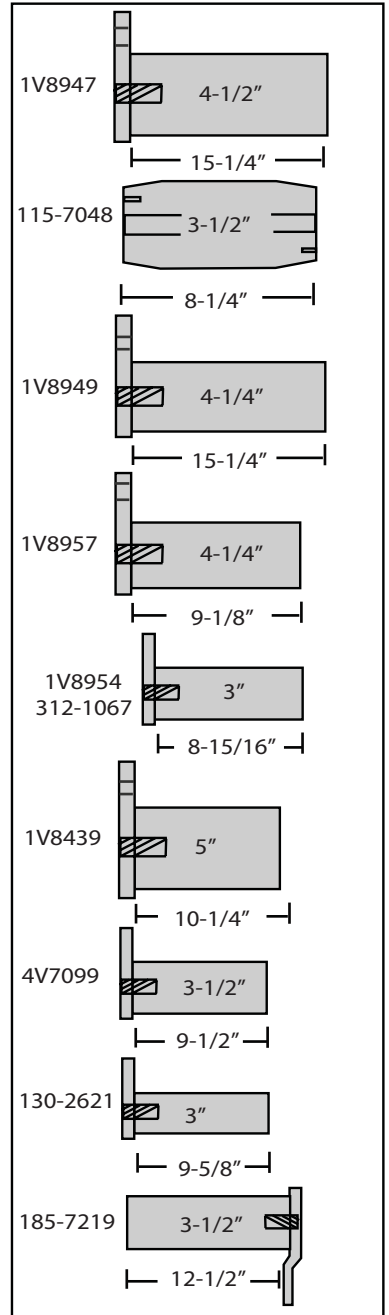


	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	4V6421	2	LIFT ARM LINK PIN	1EA 4V8673
2.	4V7103	1	TILT CYL PIN 9C3581	1EA 9J7100 (CYL BEARING)
3.	4V7108	2	LIFT EYE PIN 9C1484	1EA 9J7078 (CYL BEARING)
4.	4V7105	2	LIFT ROD EYE PIN	1EA 4V8674, ROD BEARING NOT USED
5.	4V7099	1	LOWER LINK PIN	1EA 4V8520 (DOG BONE BUSHING)
6.	4V7101	1	CENTER LINK PIN	1EA 4V8519
7.	4V7099	1	UPPER LINK PIN	1EA 9J7099 (ROD BEARING)
8.	7V6716	1	UPPER BUCKET PIN	1EA 4V8520 (DOG BONE BUSHING)
9.	7V6715	2	LOWER BUCKET PIN	1EA 4V8675
10.	2V9722	2	STEERING CYL PIN	1EA 7J9682 (ROD & CYL BEARING)

980G/H

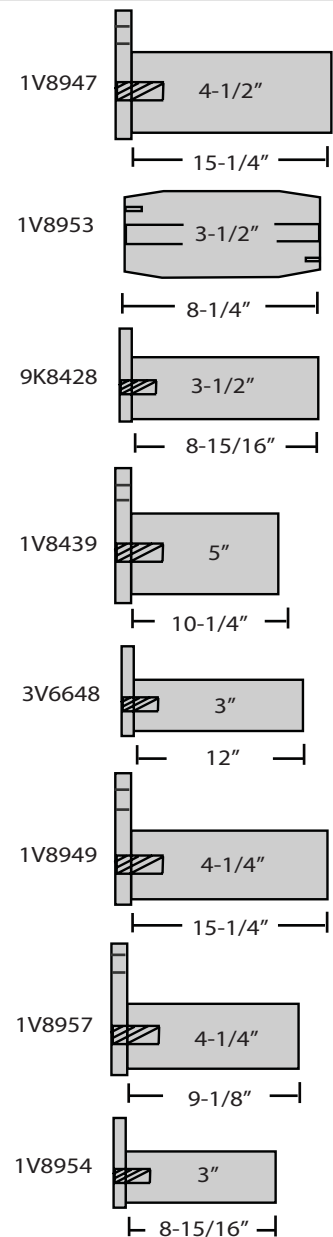
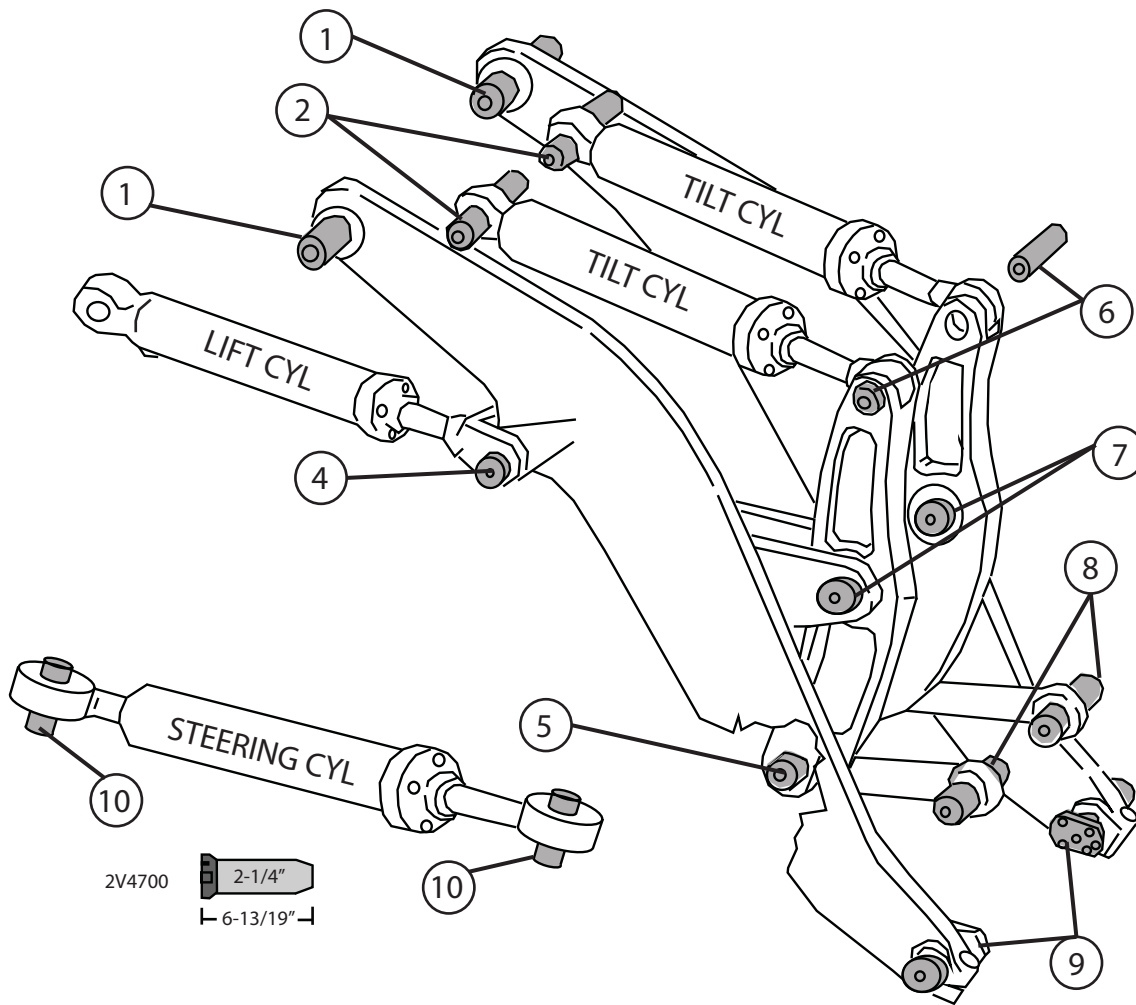


MUST HAVE BENT FLAG



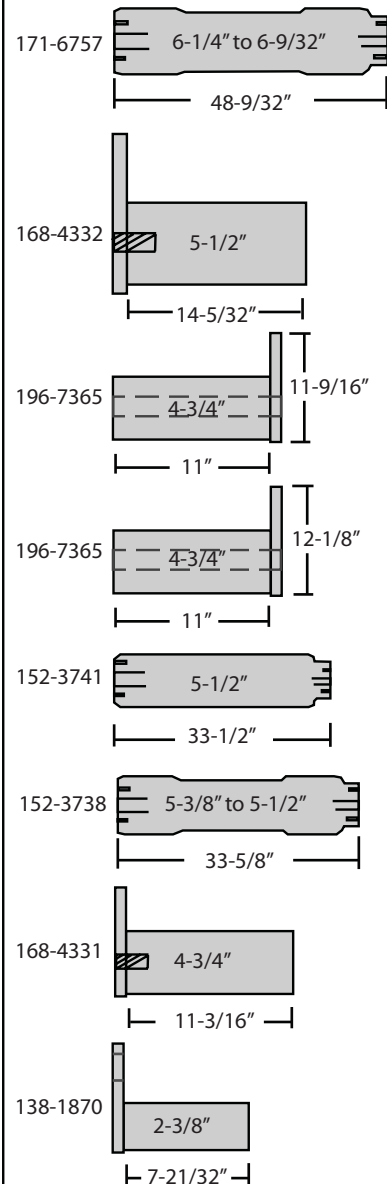
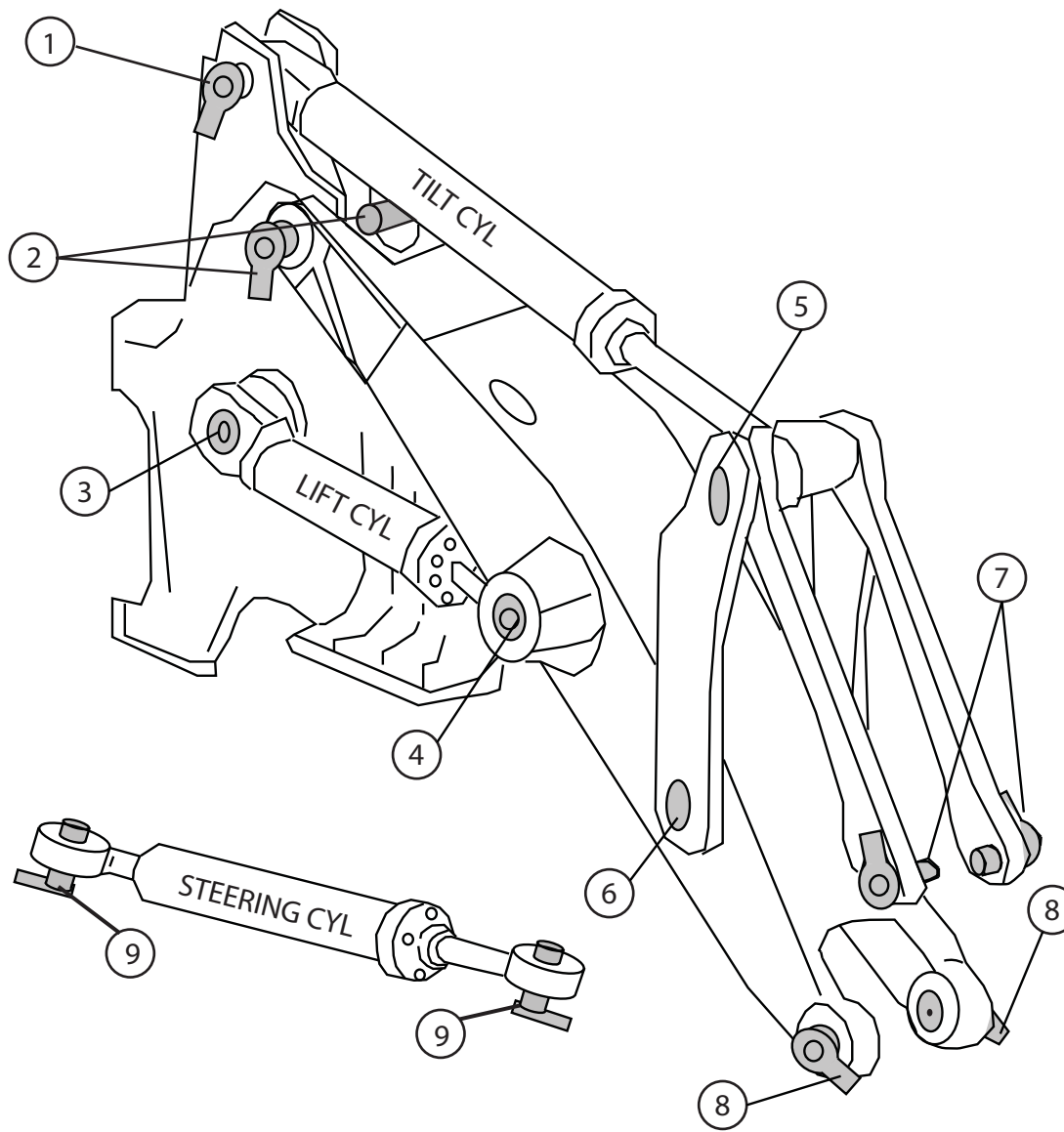
	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	1V8947	2	LIFT ARM PIN	1EA 1V8240
2.	115-7048	2	TILT CYL PIN	1EA 1V8242 (CYL BEARING)
3.	1V8949	2	LIFT CYL EYE PIN	1EA 1V8241 (CYL BEARING)
4.	1V8957	2	LIFT CYL CLEVIS PIN	1EA 1V8241, ROD BEARING NOT USED
5.	1V8954	2	LOWER LEVER LINK	1EA 1V9148 (DOG BONE BUSHING)
6.	4V7099	2	TILT CYL PIN	1EA 1V8242 (ROD BEARING)
7.	1V8439	2	CENTER LINK PIN	1EA 1V9143
8.	130-2621	2	UPPER BUCKET	1EA 1V9148 (DOG BONE BUSHING)
9.	185-7219	2	LOWER BUCKET	1EA 185-7220
10.	158-5633	4	STEERING CYL PIN	1EA 5J1446 (ROD & CYL BEARING)

980C/F



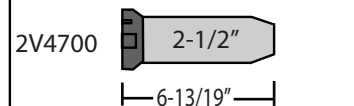
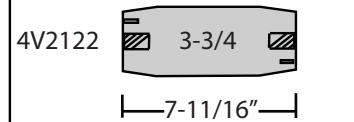
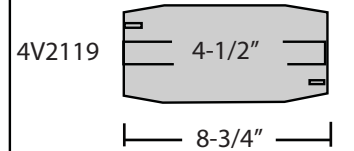
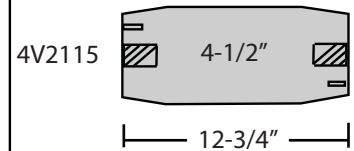
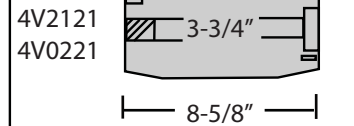
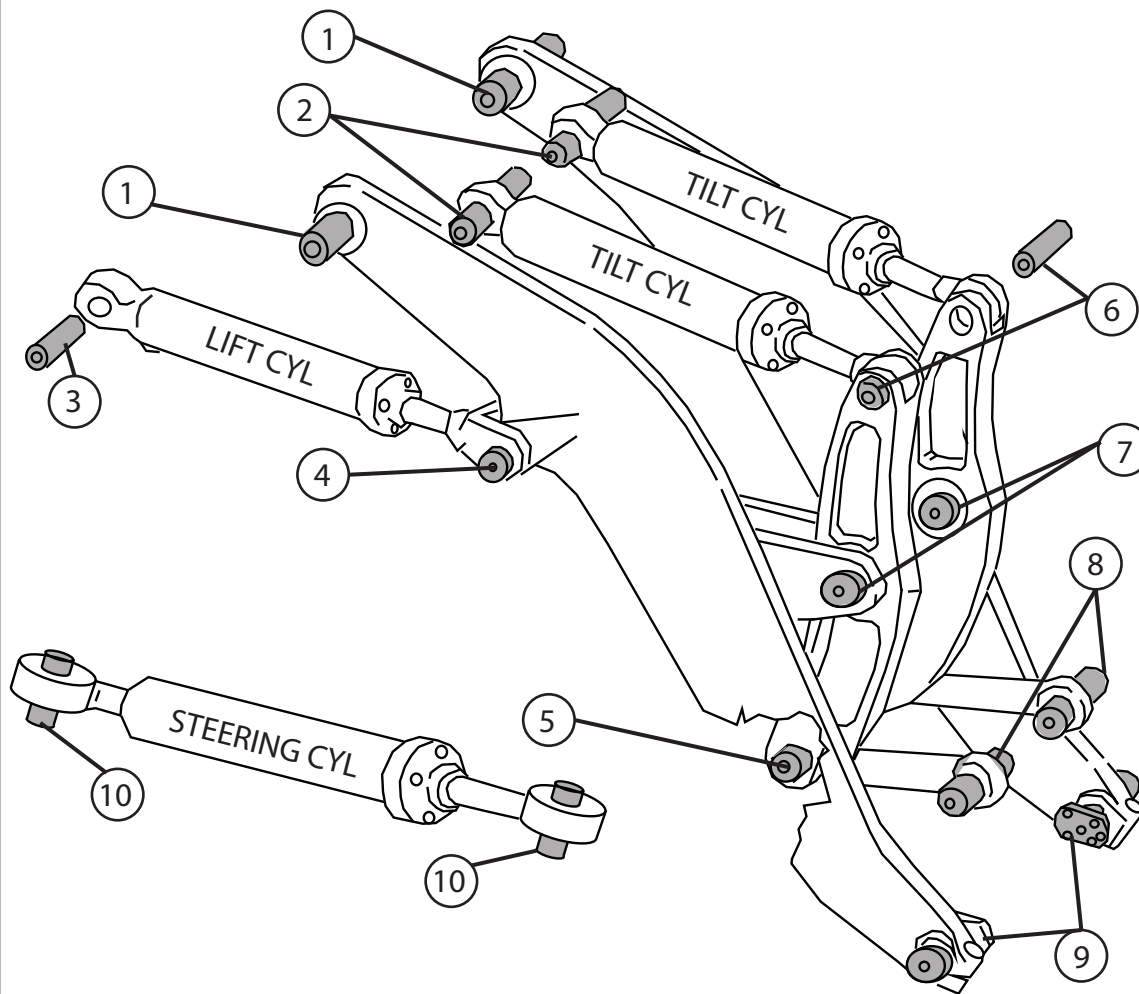
	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	1V8947	2	LIFT ARM PIN	1EA 1V8240
2.	1V8953	2	TILT CYL PIN	1EA 1V8242 (CYL BEARING)
4.	1V8957	2	LIFT CYL CLEVIS PIN	1EA 1V8241, ROD BEARING NOT USED
5.	1V8954	2	LOWER LEVER PIN	1EA 1V9148 (DOG BONE BUSHING)
6.	4V7099	2	TILT ROD PIN	1EA 1V8242 (ROD BEARING)
7.	1V8439	2	CENTER LINK PIN	1EA 1V9143
8.	3V6648	2	UPPER BUCKET PIN	1EA 1V9148 (DOG BONE BUSHING)
9.	9V6454	2	LOWER BUCKET PIN	2EA 8V0897 & 2EA 9V1883
10.	2V4700	4	STEERING CYL PIN	1EA 9J5875 (ROD OR CYL BEARING)

988G/H

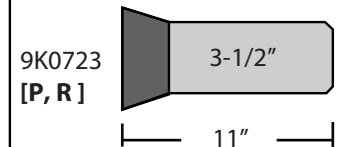
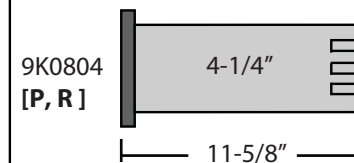


	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN	
*	1.	168-4332	1	TILT CYL EYE PIN	1EA 231-1957 (CYL BEARING)
	2.	196-7365	2	LIFT ARM HINGE PIN	2EA 339-0314
	3.	171-6757	1	LIFT CYL EYE PIN	1EA 152-3750
	4.	171-6757	1	LIFT ROD PIN	2EA 339-0313, 1EA 152-3750 (ROD BEARING)
	5.	152-3741	1	TILT CYL ROD PIN	1EA 152-3740, 1EA 152-3739 (ROD BEARING)
	6.	152-3738	1	BOOM LINK PIN	2EA 171-5427
*	7.	168-4331	2	UPPER BUCKET PIN	1EA 152-3735
	8.	196-7369	2	LOWER BUCKET PIN	1EA 171-5427
	9.	138-1870		STEERING CYL PIN	1EA 135-3161 (ON CYL END ONLY)
*CORE REQUIRED					

988B-F



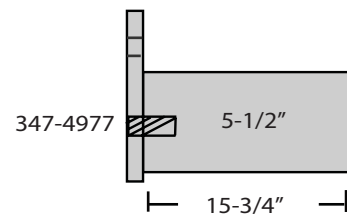
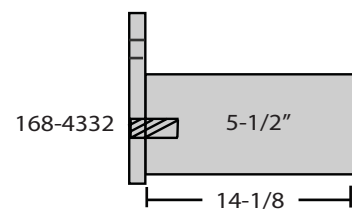
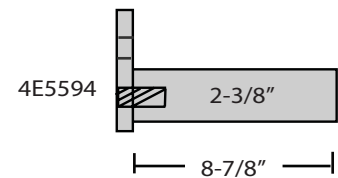
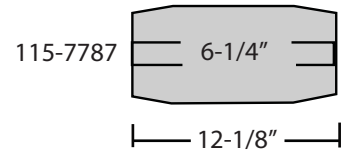
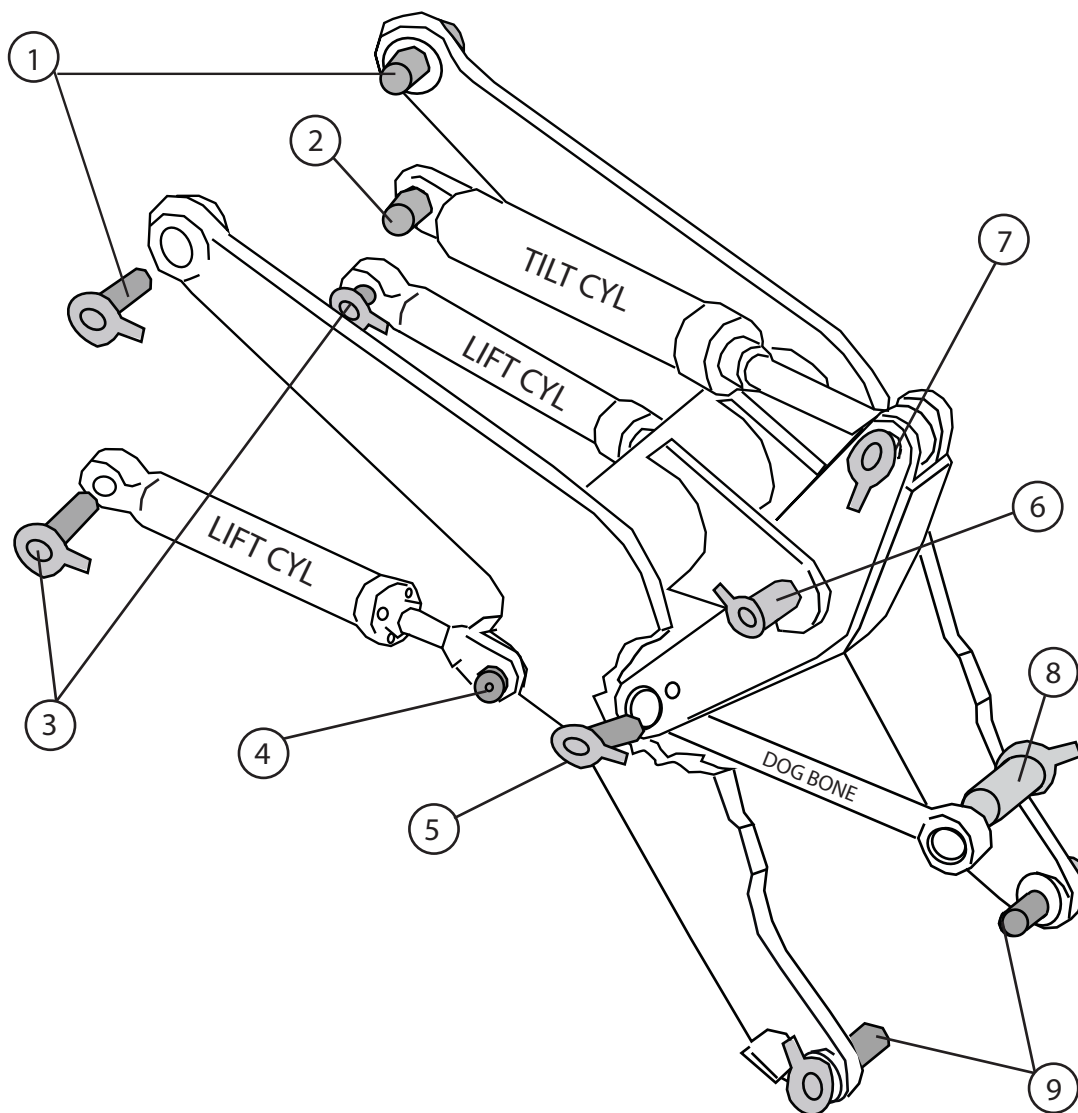
CENTER ARTICULATION HITCH PINS



	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
* 1.	4V2115	2	LIFT ARM PIN	1EA 1V7001
2.	4V2121	2	TILT CYL PIN	1EA 1V7036 (CYL BEARING)
* 3.	4V2115	2	LIFT CYL EYE PIN	
4.	4V2119	2	LIFT CYL CLEVIS PIN	1EA 1V7002
5.	4V2122	2	LOWER LEVER PIN	1EA 1V6934
6.	4V2122	2	TILT CYL PIN	1EA 1V6934
7.	4V2120	2	CENTER LINK PIN	1EA 1V6931
8.	4V2122	2	UPPER BUCKET PIN	1EA 1V6934
9.	5V5866	2	LOWER BUCKET PIN [P]	1EA 8R4523 (PIN REQ. COLLETS)
10.	2V4700	4	STEERING CYL PIN[P]	1EA 9J5875 (ROD OR CYL BEARING)

*CORE REQUIRED

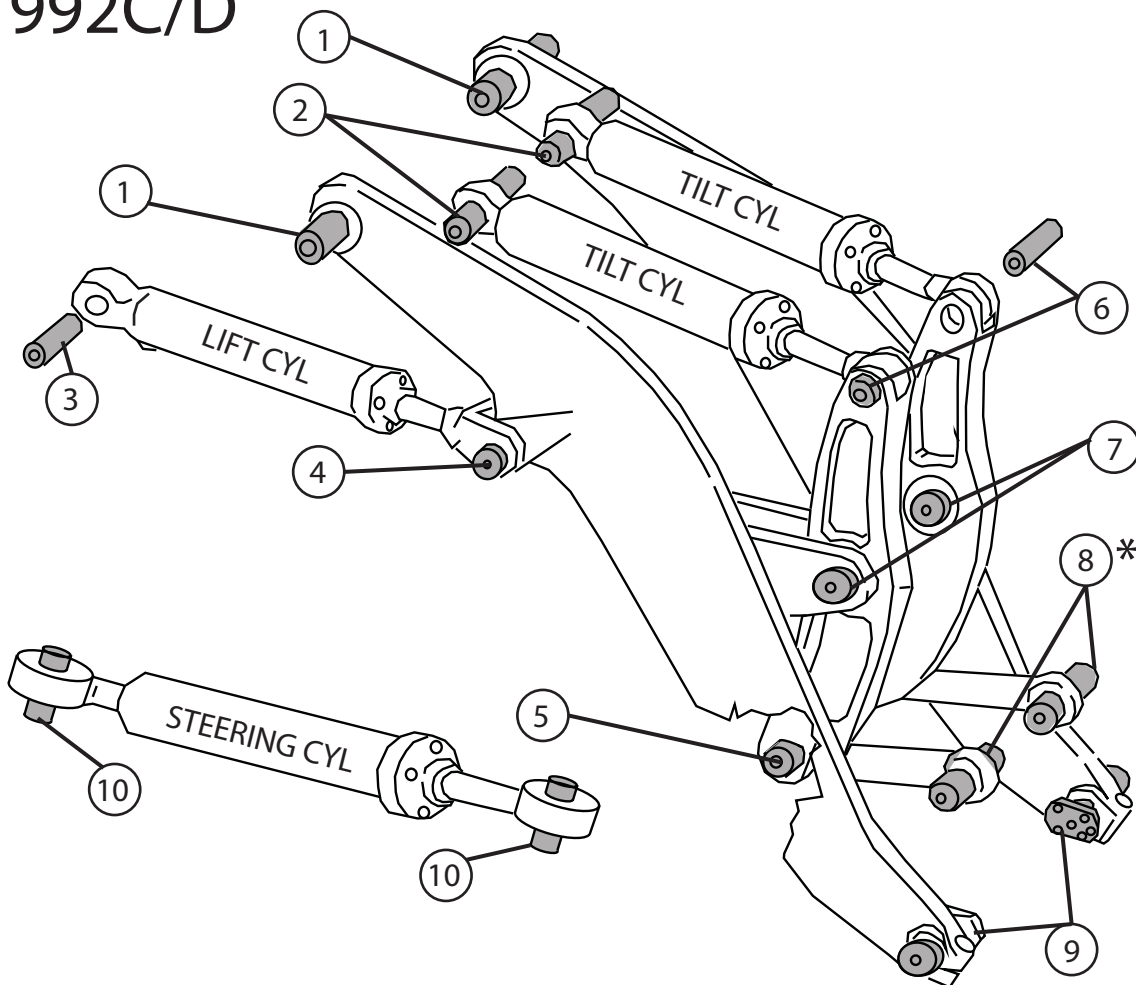
988K



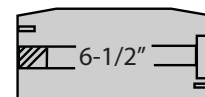
	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN	
	1.	4E5594	2	LIFT ARM LINK PIN	1EA 6E1166
	2.	115-7787	2	TILT CYL PIN	1EA 6E1364 (CYL BEARING)
	3.	4E5594	2	LIFT EYE PIN	1EA 6E1166 (CYL BEARING)
*	4.	347-5087	2	LIFT ROD EYE PIN	1EA 6E1166
	5.	347-4977	1	LOWER LINK PIN	1EA 347-4658 (DOG BONE BUSHING)
*	6.	347-4957	1	CENTER LEVER PIN	1EA 8X0743
	7.	347-4977	1	UPPER LEVER PIN	1EA 374-4658 (ROD BEARING)
	8.	347-4977	1	UPPER BUCKET PIN	1EA 347-4658 (DOG BONE BUSHING)
	9.	168-4332	2	LOWER BUCKET	1EA 514-6766

*CORE REQUIRED

992C/D

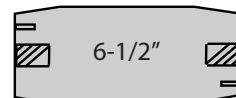


1V8034
9C1591



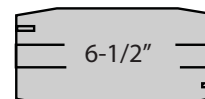
13-1/2"

1V8030



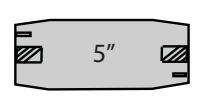
19"

1V8031



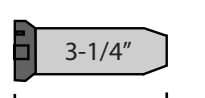
14-1/4"

1V8033



10-7/8"

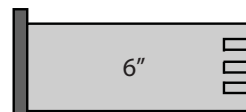
1V8290



8-3/4"

CENTER ARTICULATION HITCH PINS

1V8355



18-3/4"

3V7376



16-3/4"

	PIN	REQ.	APPLICATION	BUSHINGS/BEARINGS PER PIN
1.	1V8030	2	LIFT ARM PIN	1EA 1V5636
2.	1V8033	2	TILT CYL PIN	1EA 1V5635 (CYL BEARING)
3.	1V8030	2	LIFT CYL EYE PIN	1EA 1V5636 (CYL BEARING)
4.	1V8034	2	LIFT CYL CLEVIS PIN	1EA 9J2986 ROD BEARING NOT USED
5.	1V8033	2	LOWER LEVER PIN	1EA 1V5635 (DOG BONE BUSHING)
6.	1V8033	2	TILT CYL PIN	1EA 1V5635 (ROD BEARING)
7.	1V8031	2	CENTER LINK PIN	1EA 1V7038
8.	3V0868	2	UPPER BUCKET PIN	1EA 1V5635 (DOG BONE BUSHING)
9.	7V1756	2	LOWER BUCKET PIN	COLLET / CARTRIDGE STYLE PINS
10.	1V8290	2	STEERING CYL PIN	1EA 9J5427 (ROD OR CYL BEARING)



CHROME CRAFT

916-383-1660

DOZER PARTS ORDER

-Please fill in as much info as possible-

DATE: _____

CUSTOMER: _____

PART NEED FROM BELOW CHART:

OEM MAKE & MODEL: _____

Qty _____

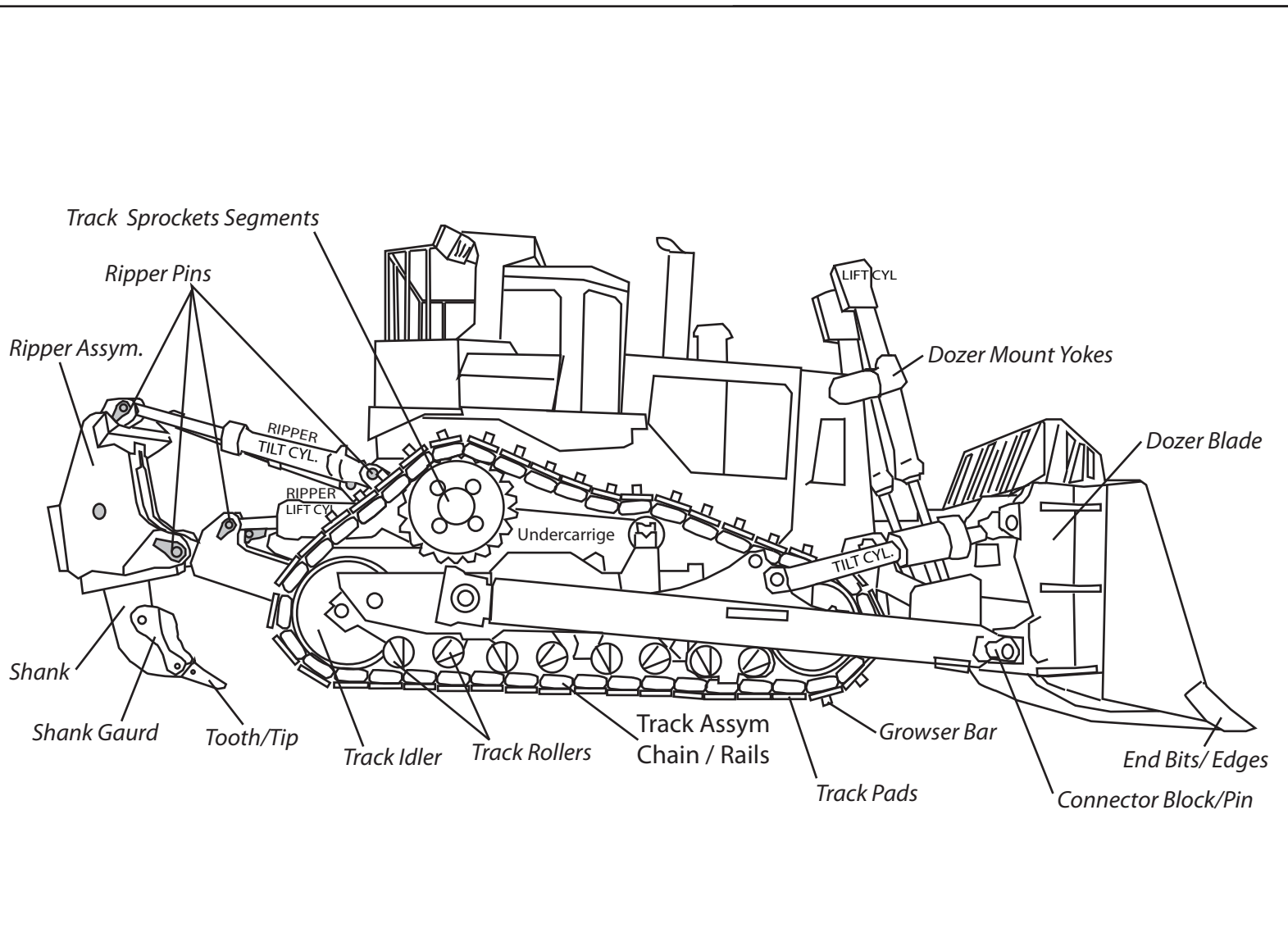
DOZER SERIAL #: _____

CORE AVAILABLE: [YES] [N O]

BLADE PART #: _____

NOTES: _____

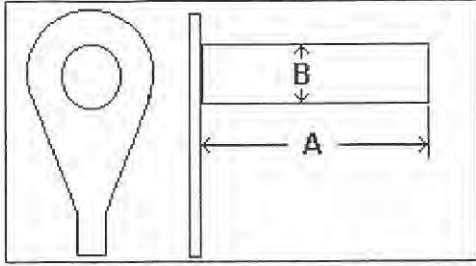
DOZER I.D. CHART





CHROME CRAFT

DOZER RIPPER PIN QUICK REFERENCE

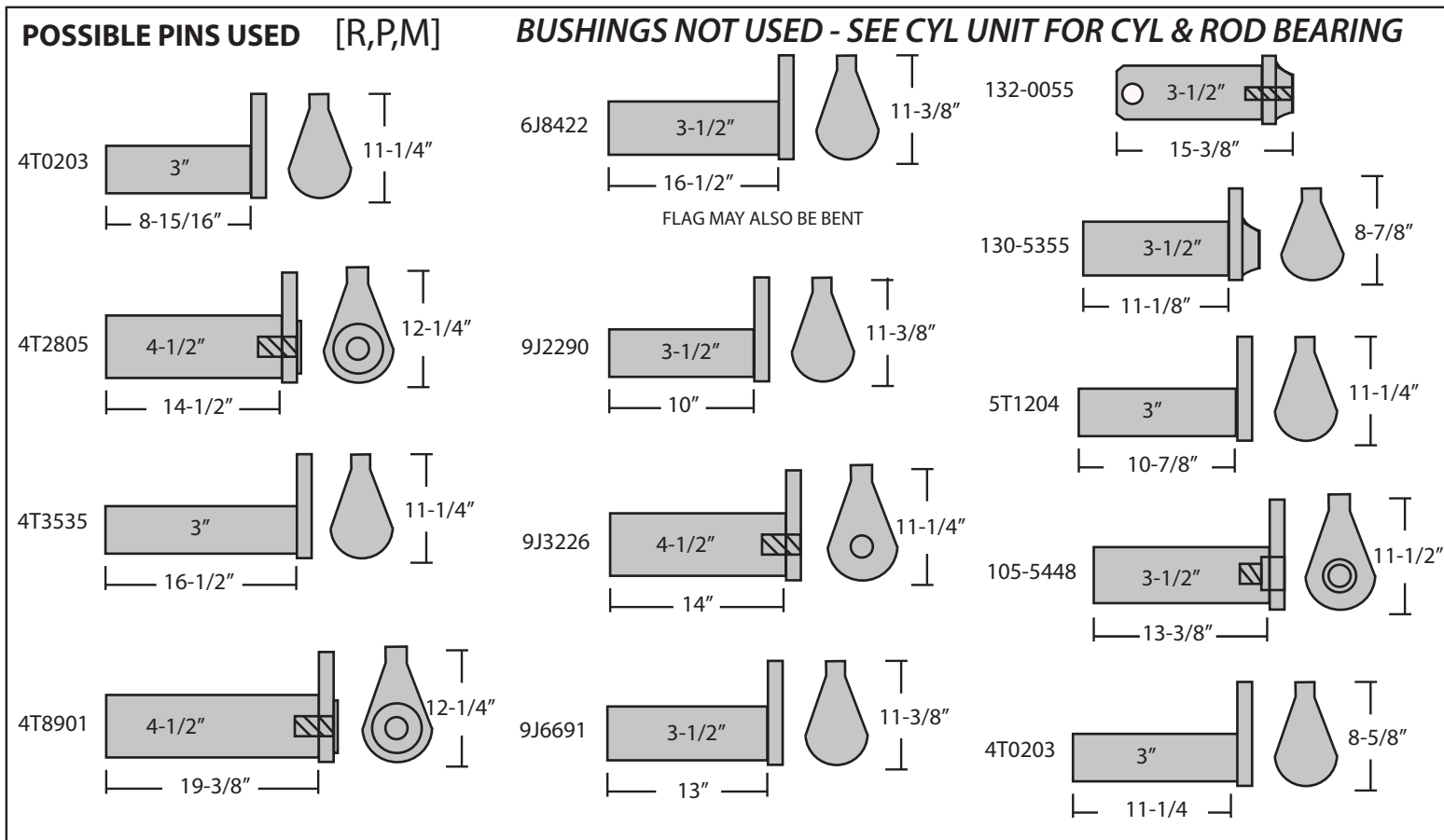
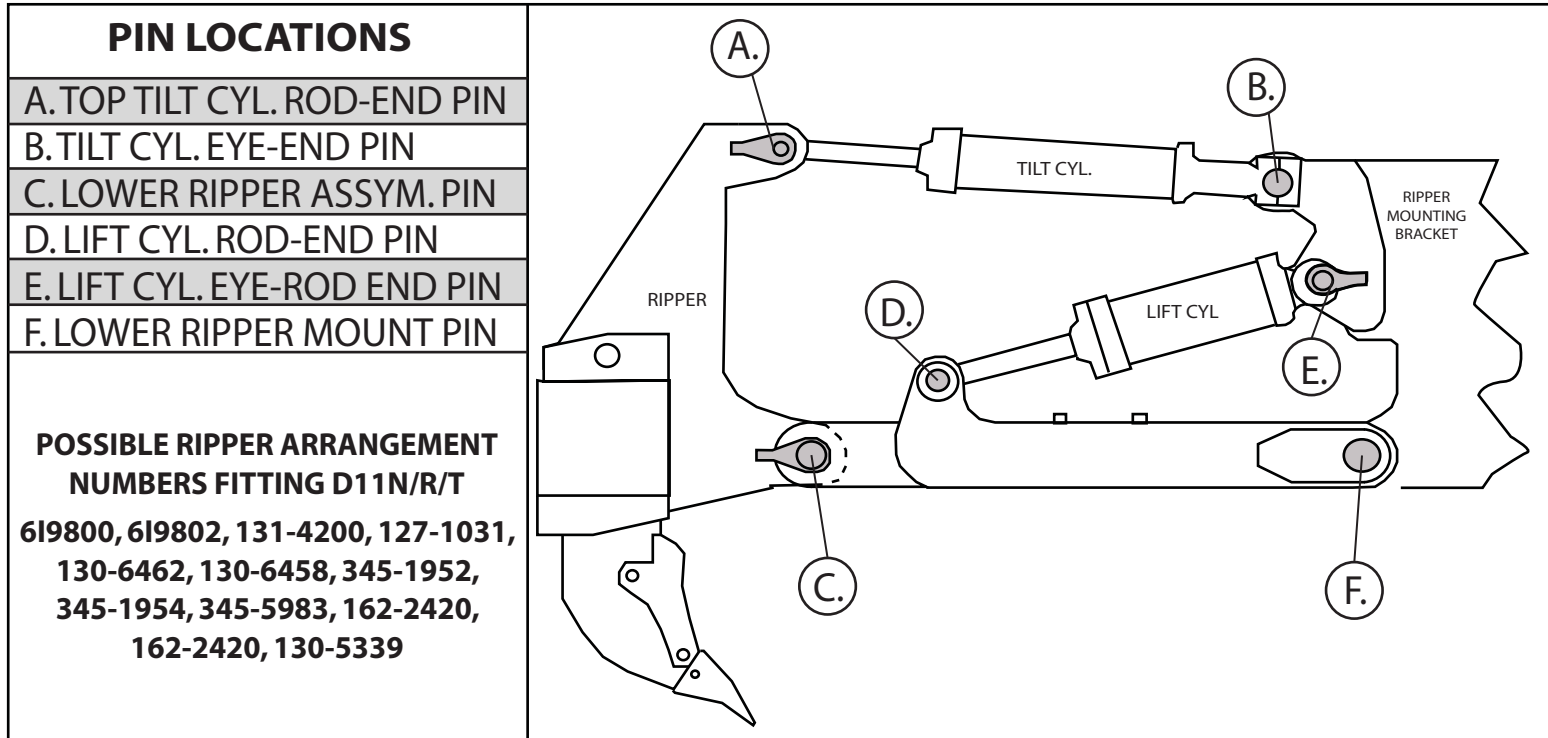


Pin No.	Dia. B	Lgth A	Zrk	Pg	Comments	Pin No.	Dia. B	Lgth A	Zrk	Pg	Comments
111-2106	4."	12 1/2	yes	1		6J8422	3.5"	16 1/2		38	
1H5152	3.979"	13 7/8		2	Knob & Through-hole	6J9472	3."	16 1/4			
1U0990	3."	10 3/8		6	No Foot/Through-hole	6J9474	3."	6 1/4		39	
3G2598	3.5"	8		4		6J9480	3."	12 1/8		40	
3G3628	3."	13		5		6J9482	3.5"	12 1/8		41	
3G4982	3."	8 1/8				6Y3193	4."	12 1/2	yes		
3G6058	2.25"	6 3/4				7J6098	3.5"	6 1/4		43	
3G8053	3.115"	13 1/2		7	Knob Top	7J6099	4."	12 1/4		44	
3G9303	3.486"	12 9/16		8	Knob Top	7J6100	4."	14 1/2		45	
3J6182	3."	13 3/16	yes	9		7T4810	3.74"	11 1/4		3	Knob Top
3J6204	3."	13 3/16	yes	10		7T4865	2.745"	10		68	No Foot / 1'-14 hole
3J6310	3."	16 7/8		11		7T7222	3.5"	9 3/8		47	
3J6322	3."	15 3/8	yes	12		7T7303	4."	17		48	
3J6345	3.5"	13 1/4	yes	13		8P9382	4.5106"	15 3/4		49	No Foot/Threads
3J6348	3.5"	13	yes	14		9G7038	2.75"	9 1/2		50	No Foot/Threads
3T4214	3.2425"	10 13/16	yes	15	Threads/No Foot	9G9749	3."	8 5/16		51	No Foot Hollow
3T5697	81mm	12 1/4		16	No Foot 3 Diameters	9J2290	3.5"	10		52	
4J1514	4."	13 3/4	yes	17		9J2293	4.5"	16 3/4		63	
4J1526	4."	13 3/8	yes	18		9J2364	3.484"	14 3/4		53	Knob Top
4J1528	3.5"	14 3/4	yes	19		9J2366	4."	9 7/8		69	Knob Top
4J1543	3.5"	16 3/4		20		9J3226	4.5"	14		64	
4T0145	3."	9 1/2		21	No Foot/Through-hole	9J6662	3.490"	40 1/2		54	Knob Top
4T0202	3."	8 1/8		22		9J6681	4."	13 3/4			
4T0203	3."	8 15/16		23		9J6689	4."	13		55	
4T0204	3.5"	14 7/8		24	Cat Style Foot	9J6691	3.5"	13		56	
4T0205	3.5"	11	yes	25		9J9055	3."	10 1/4		57	
4T1387	4."	12	yes	26		9J9598	2."	7 1/8		58	1/2" Through-hole
4T1389	3.5"	10 11/16		27		9P6912	4.271"	13 5/8		46	No Foot/ 4 Diameters
4T2805	4.5"	14 1/2		28		9U3221	3.116"	13 3/4			Knob Top
4T3535	3"	16 1/2		65		9U8481	2.361"	8 1/4		66	
4T5282	3."	12 5/8		29	Slots/No Foot	9W1683	3.171"	13 1/8		67	No Foot / 3 Diameters
4T7534	2.75"	12 1/8		30		9W6343	3."	13 1/2		59	
4T9762	3."	9 5/8		31		9W7991	3."	9 5/16		60	Threads/No Foot
4T9848	3."	9 1/2		32		9W8577	3.5"	10 5/8	yes	61	
5J1204	3."	10 7/8		33		9W9243	3."	12		62	1 1/4" Threads
6J8416	4."	16	yes	34		6Y3896	2.5"	8 1/4	yes	70	Link Style Foot
6J8417	4."	12 3/4	yes	35							
6J8418	3."	9 1/8		36							
6J8419	3.5"	10 3/4		37							

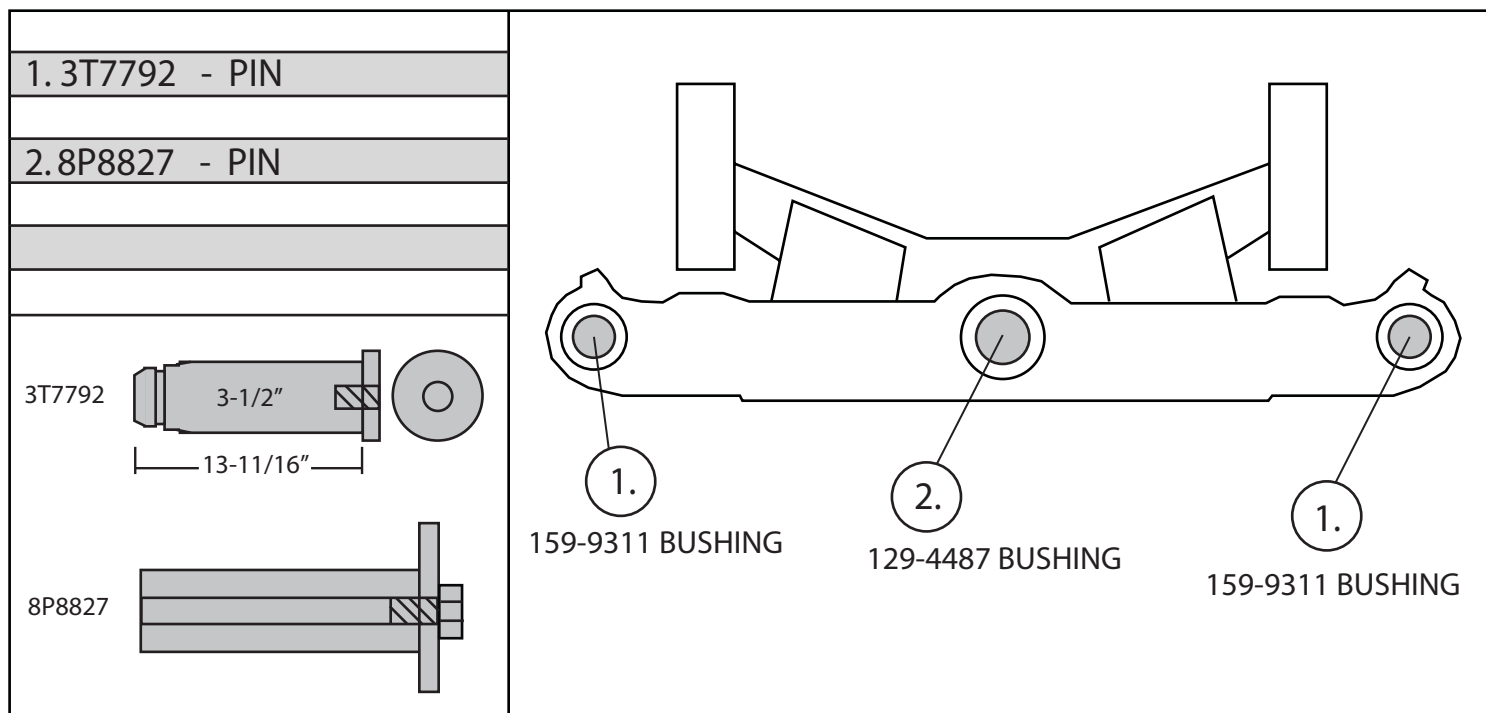
D11N/R/T - RIPPER PINS

**BUSHINGS NOT USED -
SEE CYL UNIT FOR CYL & ROD BEARING**

USES A COMBINATION OF PINS ON THIS PAGE IN DIFFERENT LOCATIONS DEPENDING ON THE RIPPER ATTACHMENT. YOU CAN EITHER ORDER BY PART NUMBER, IDENTIFY THE PIN BY DIMENSIONS BELOW, OR GIVE INSIDE SALES THE RIPPER ARRANGEMENT NUMBER FOR THEM TO LOOK UP.

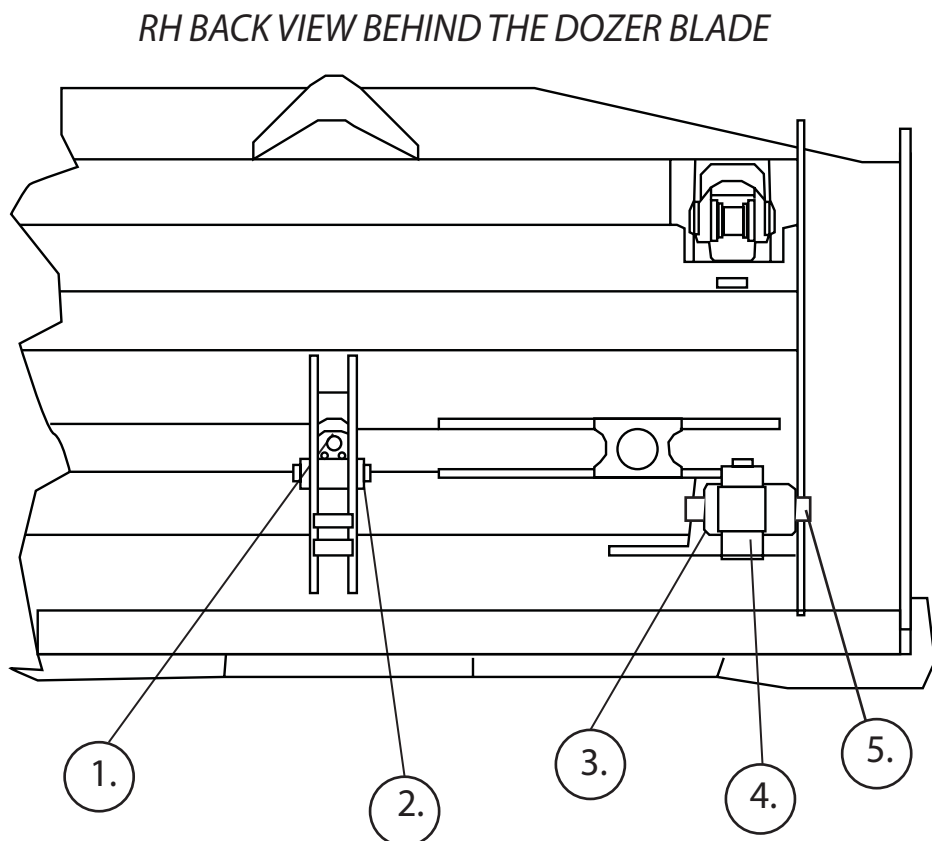


D11N/R/T - EQUALIZER BAR PINS



D11N/R/T - CONNECTOR BLOCKS & PINS

D11N (ALL) D11R (8ZR SERIAL)	
* 1.	4T3797 CON. BLOCK NB
2.	9W2939 PIN NO BUSHING
* 3.	122-4681 CON. BLOCK
4.	9J2364 PIN
5.	9J2364 PIN
2EA BUSHINGS 1J5304 PER PIN #4. & #5.	
D11R (9TR, 7PZ SERIALS) DZZT (AMA, GEB, JEL SERIALS)	
* 1.	4T3797 CON. BLOCK NB
2.	9W2939 PIN NO BUSHING
* 3.	130-3436 CON. BLOCK
4.	130-3434 PIN
5.	9J2366 PIN
2EA BUSHINGS 145-8737 PER PIN #4. & #5.	
D11R (9XR, AAF SERIALS) D11T (JNS, MDG, TPB SERIALS)	
* 1.	4T3797 CON. BLOCK NB
2.	9W2939 PIN NO BUSHING
* 3.	150-4502 CON. BLOCK
4.	130-3434 PIN
5.	130-3434 PIN
2EA BUSHINGS 149-7576 PER PIN #4. & #5.	



* CORE OR REPAIR REQUIRED - CONNECTOR BLOCKS COME WITH BUSHINGS INSTALLED WHERE REQUIRED.

D10, D10N/R/T - RIPPER PINS

BUSHINGS NOT USED -

SEE CYL UNIT FOR CYL & ROD BEARING

USES A COMBINATION OF PINS ON THIS PAGE IN DIFFERENT LOCATIONS DEPENDING ON THE RIPPER ATTACHMENT. YOU CAN EITHER ORDER BY PART NUMBER, IDENTIFY THE PIN BY DIMENSIONS BELOW, OR GIVE INSIDE SALES THE RIPPER ARRANGEMENT NUMBER FOR THEM TO LOOK UP.

PIN LOCATIONS
A. TOP TILT CYL. ROD-END PIN
B. TILT CYL. EYE-END PIN
C. LOWER RIPPER ASSYM. PIN
D. LIFT CYL. ROD-END PIN
E. LIFT CYL. EYE-END PIN
F. LOWER RIPPER MOUNT PIN

POSSIBLE RIPPER ARRANGEMENT NUMBERS FITTING D11N/R/T

6I8811, 6I8810, 4T8224, 6Y5899,
 4T8214, 4T8219, 383-9095,
 383-9097, 383-9094, 216-0122,
 216-0121, 216-0120, 116-2586,
 152-8410, 133-0230, 180-2401,
 180-2404, 119-8210, 378-3286,
 416-7690

POSSIBLE PINS USED [R,P,M]	BUSHINGS NOT USED - SEE CYL UNIT FOR CYL & ROD BEARING	
9J9055	7T7222	105-5448
9J6689	111-2106	132-7994 5J1205
6J9482	9W6343	9J6691
9J2290	7T7303	4T1387

D10/10N/R/T - EQUALIZER BAR PINS

D10

1. 7G0381 PIN ASSYM.

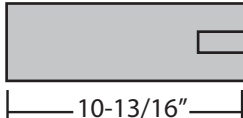
2. 8P8827 PIN 3P2595 BUSHING

D10N/R/T

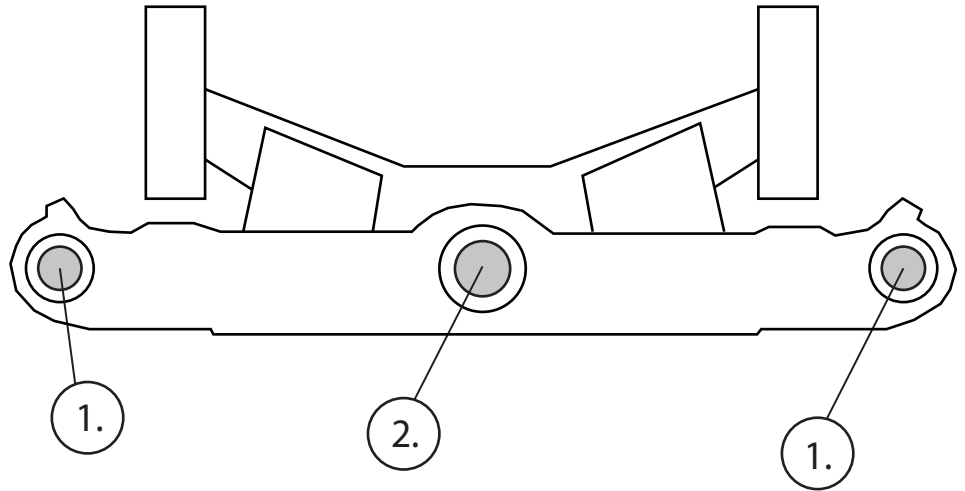
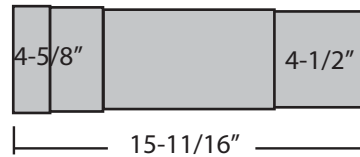
1. 3T4214 PIN 153-1370 BEARING

2. 8P9382 PIN 127-0843 BUSHING

3T4214



8P9382



D10, D10N/R/T - CONNECTOR BLOCKS & PINS

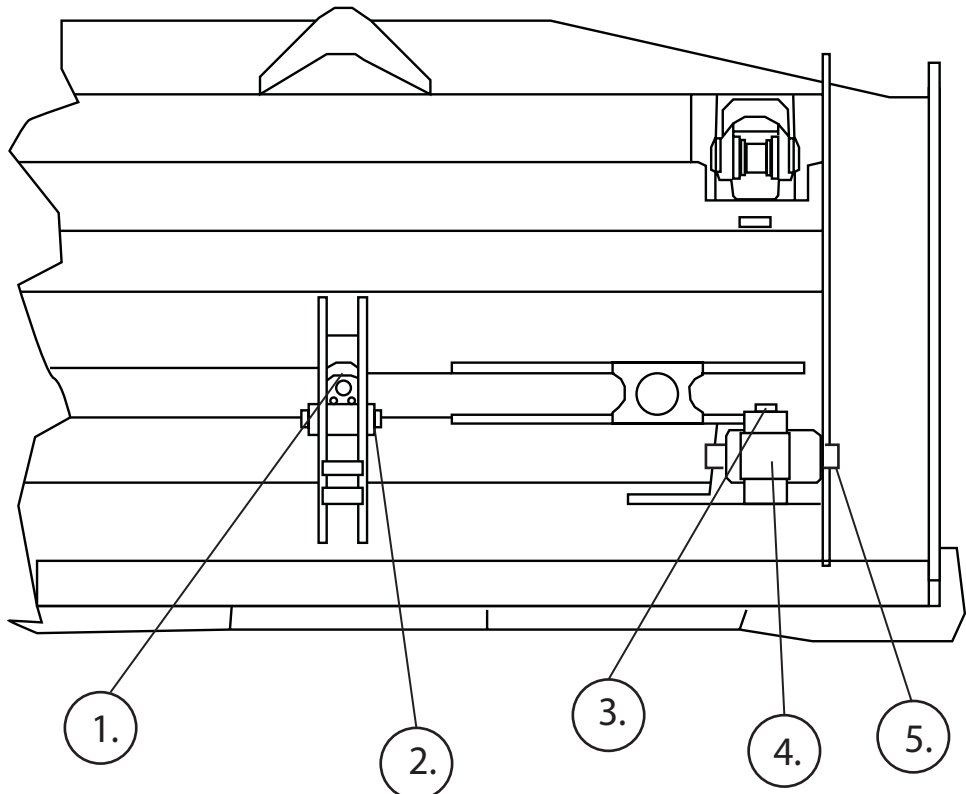
D10

D10N/R/T

- | | |
|---------------|----------------|
| * 1. 4T3797 | CON. BLOCK NB |
| 2. 6J5985 | PIN NO BUSHING |
| 3. 3G8053 | PIN |
| * 4. 138-2828 | CON. BLOCK |
| 5. 9W2939 | PIN |

2EA BUSHINGS 3G8052 PER PIN #4. & #5.

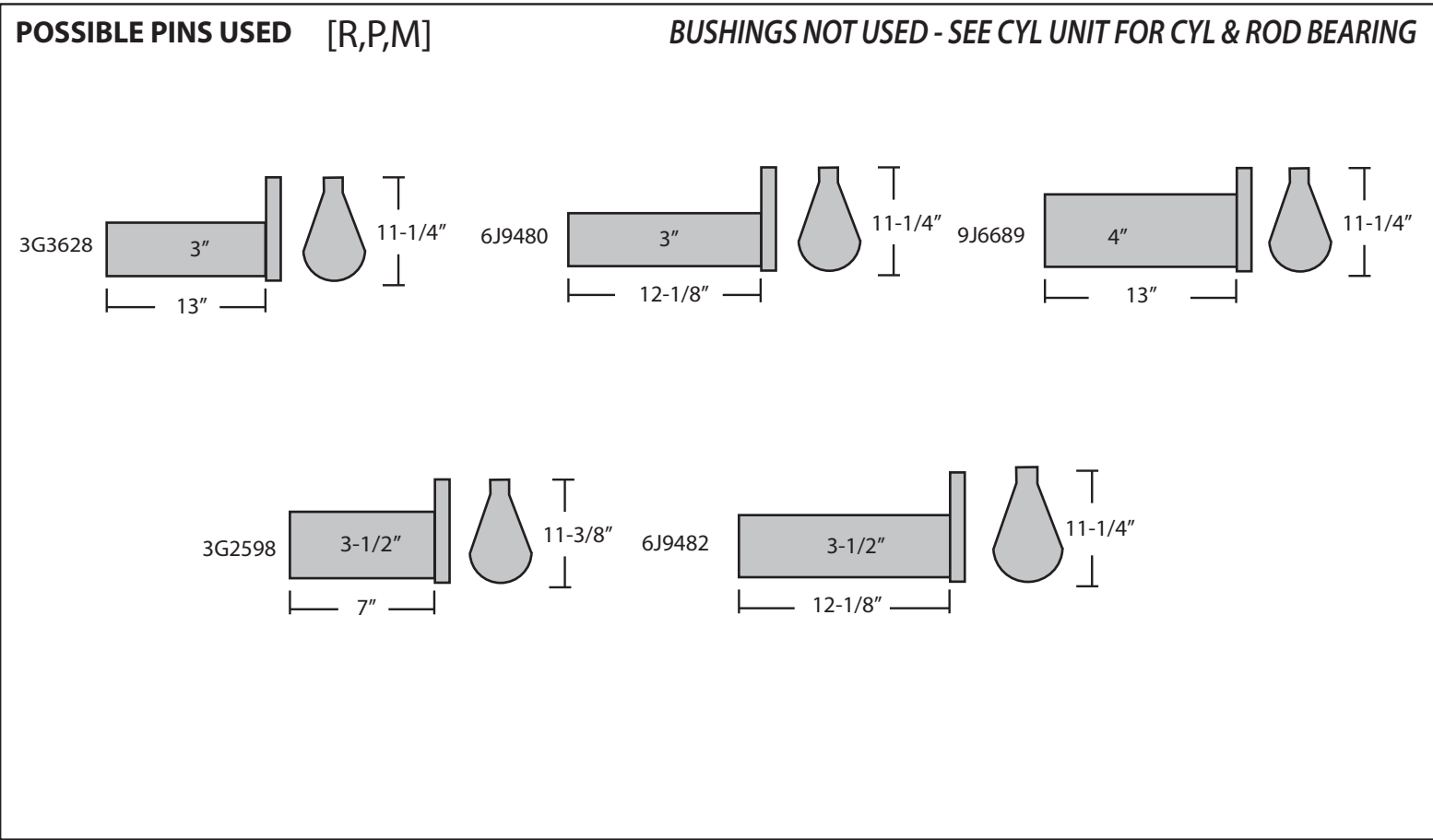
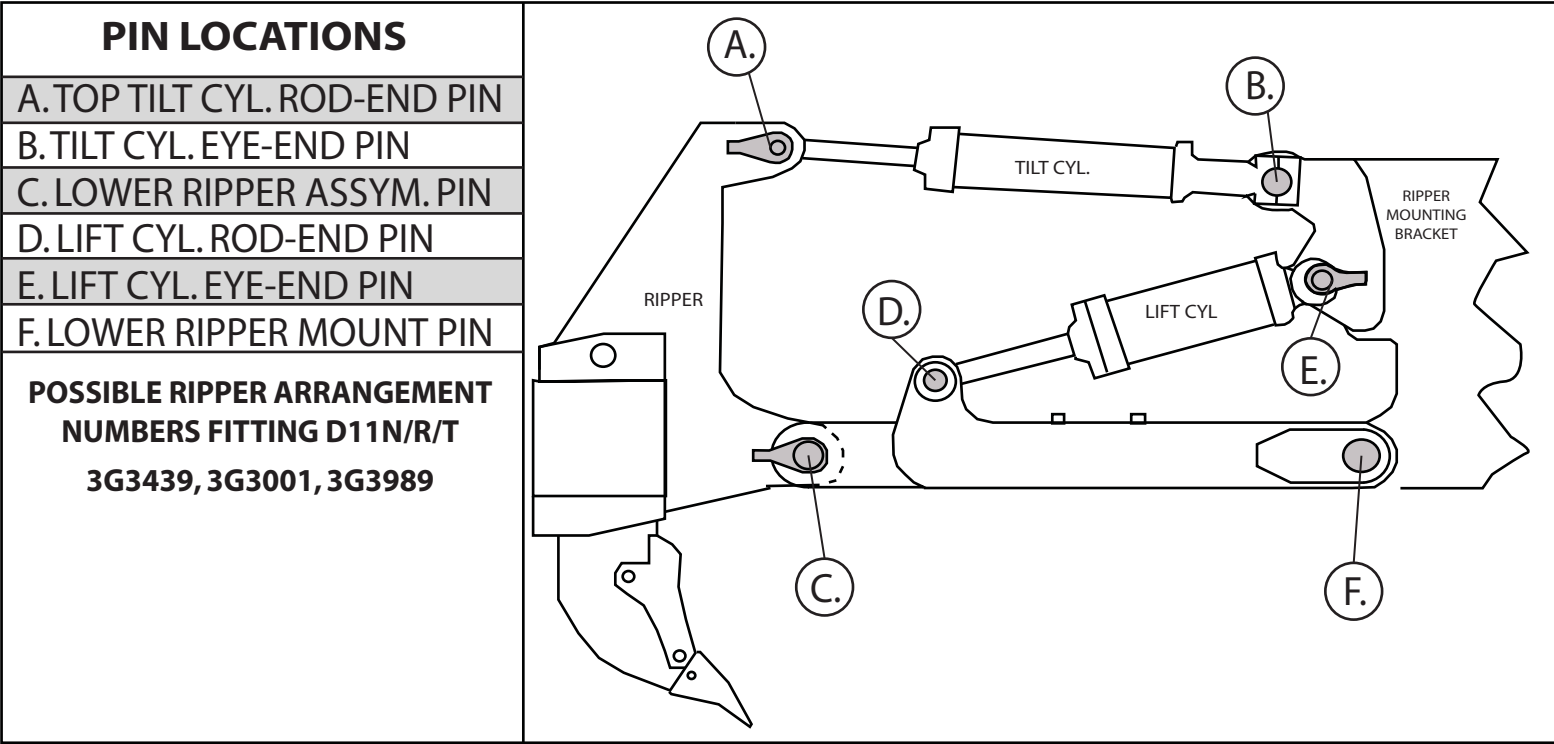
RH BACK VIEW BEHIND THE DOZER BLADE



D9L - RIPPER PINS

**BUSHINGS NOT USED -
SEE CYL UNIT FOR CYL & ROD BEARING**

USES A COMBINATION OF PINS ON THIS PAGE IN DIFFERENT LOCATIONS DEPENDING ON THE RIPPER ATTACHMENT. YOU CAN EITHER ORDER BY PART NUMBER, IDENTIFY THE PIN BY DIMENSIONS BELOW, OR GIVE INSIDE SALES THE RIPPER ARRANGEMENT NUMBER FOR THEM TO LOOK UP.



D9L - EQUALIZER BAR PINS

D9L

1. 9G7063 PIN	3T1378 BEARING
2. 8P9382 PIN	8P6998 BUSHING

3T4214

10-13/16"

8P9382

4-5/8"

4-1/2"

15-11/16"

1. 2. 1.

D9L - CONNECTOR BLOCKS & PINS

D9L

1. 3G9303	PIN
2. 3G8034	CON. BLOCK
3. 3G8053	PIN
4. 3G8053	PIN

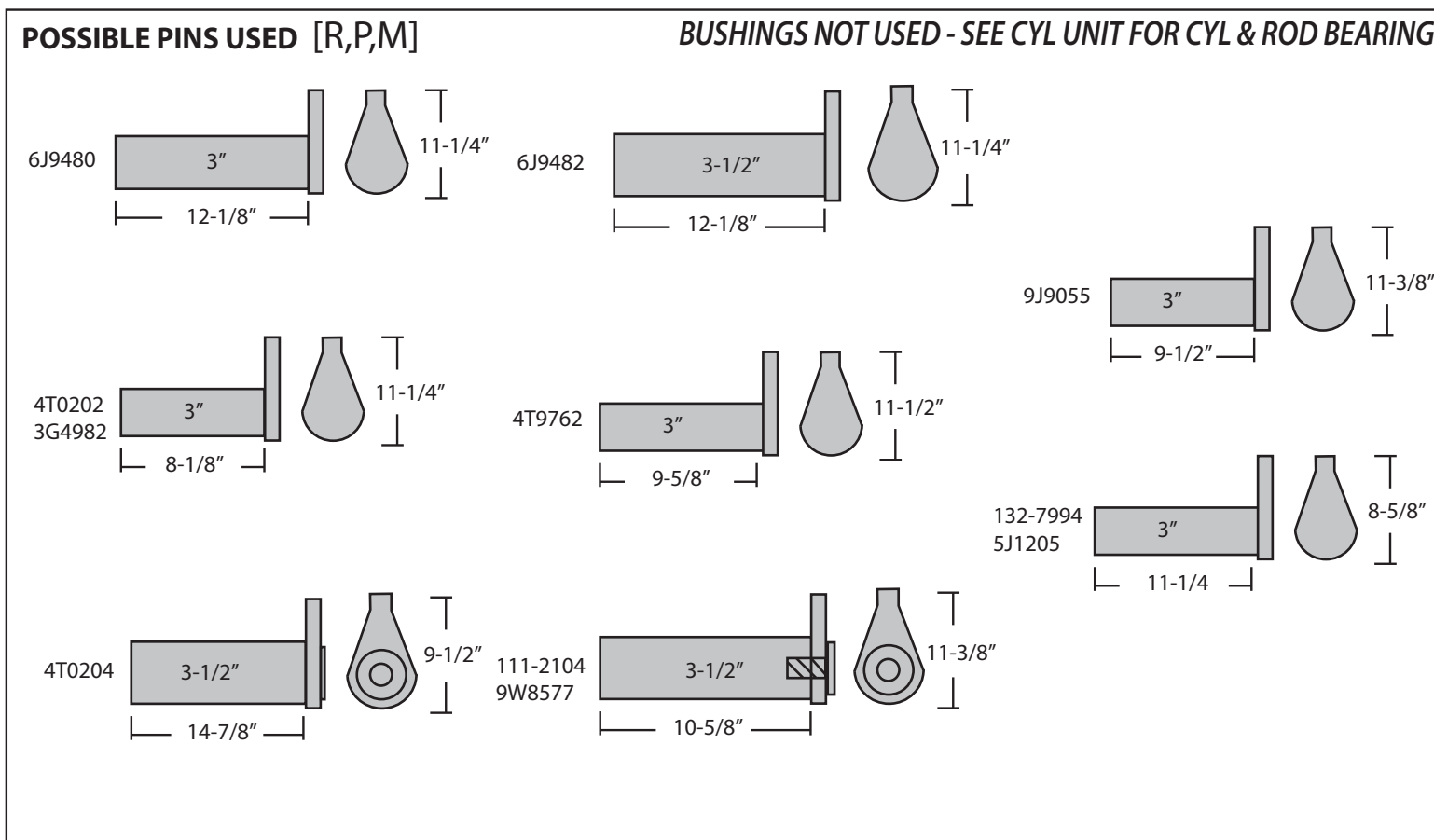
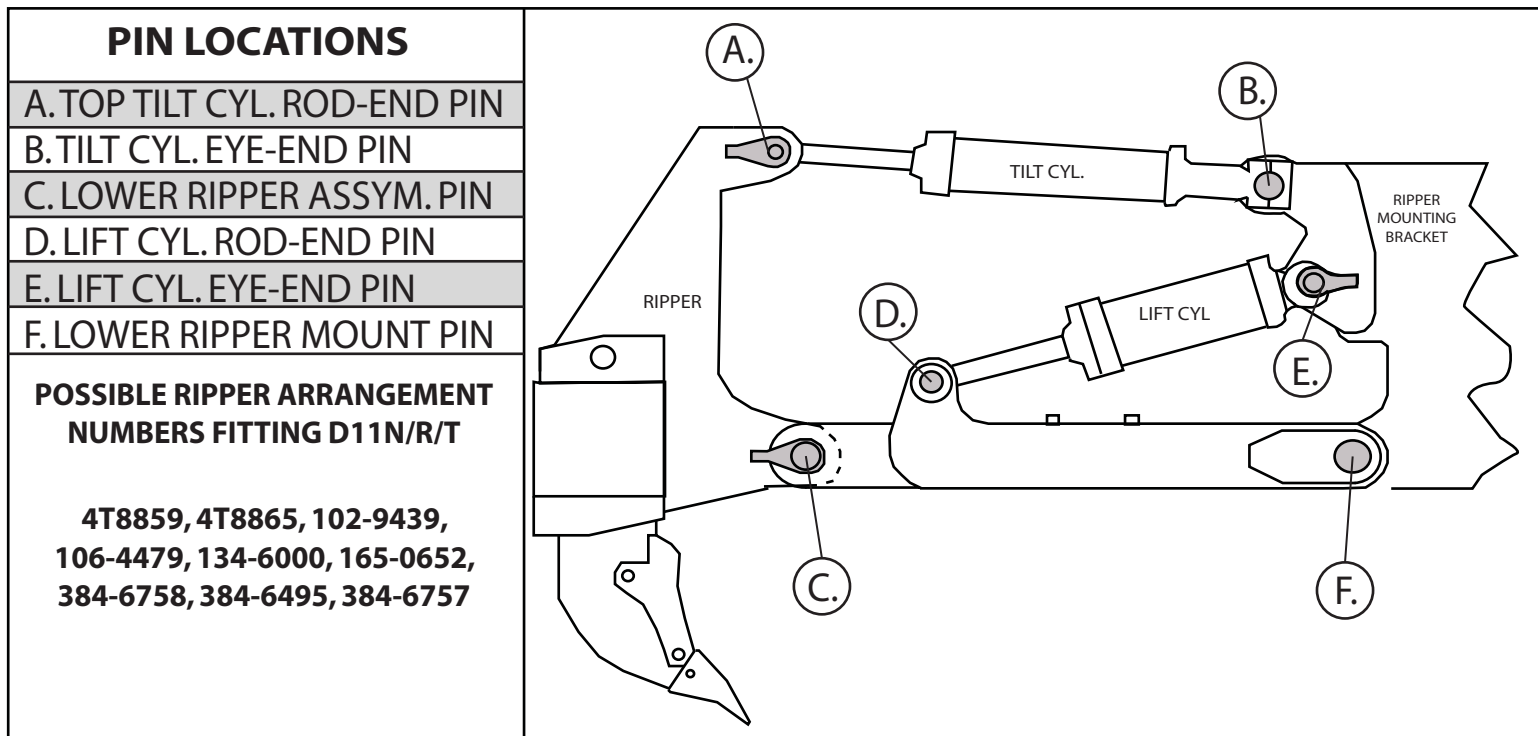
RH BACK VIEW BEHIND THE DOZER BLADE

1. 2. 3. 4.

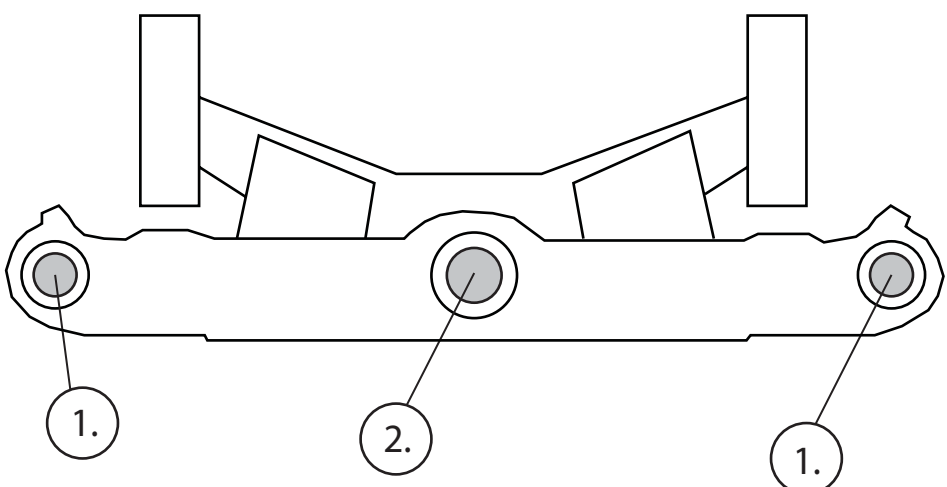
D9N/R/T - RIPPER PINS

**BUSHINGS NOT USED -
SEE CYL UNIT FOR CYL & ROD BEARING**

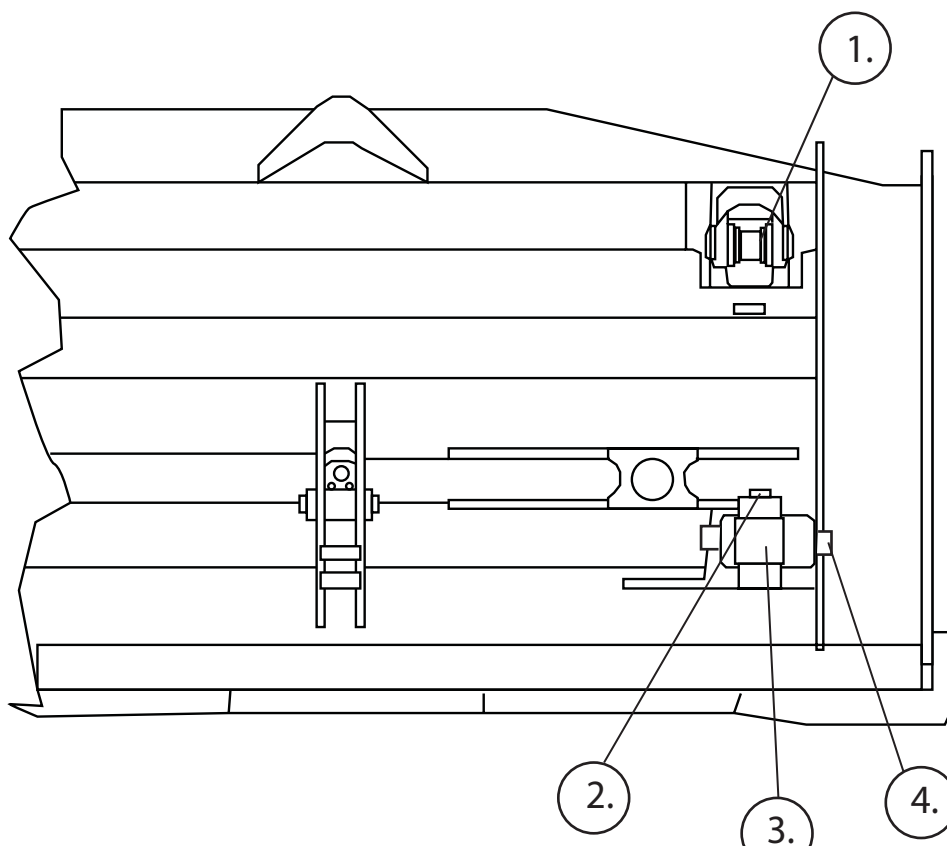
USES A COMBINATION OF PINS ON THIS PAGE IN DIFFERENT LOCATIONS DEPENDING ON THE RIPPER ATTACHMENT. YOU CAN EITHER ORDER BY PART NUMBER, IDENTIFY THE PIN BY DIMENSIONS BELOW, OR GIVE INSIDE SALES THE RIPPER ARRANGEMENT NUMBER FOR THEM TO LOOK UP.



D9N/R/T - EQUALIZER BAR PINS

D9N (1JD0001 TO 0637) 1. 9G7038 PIN 3T4615 BEARING 2. 9P6912 PIN 6Y3549 BUSHING	
D9N/R/T 1. 7T4865 PIN 380-7674 BEARING 2. 9P6912 PIN 2EA 117-4015 BUS.	
9G7038 2Y8749 $2\text{-}3/4''$ $9\text{-}1/2''$	
7T4865 $2\text{-}3/4''$ $10''$	
9P6912 2Y8749 $4\text{-}1/4''$ $3\text{-}7/8''$ $13\text{-}19/32''$	

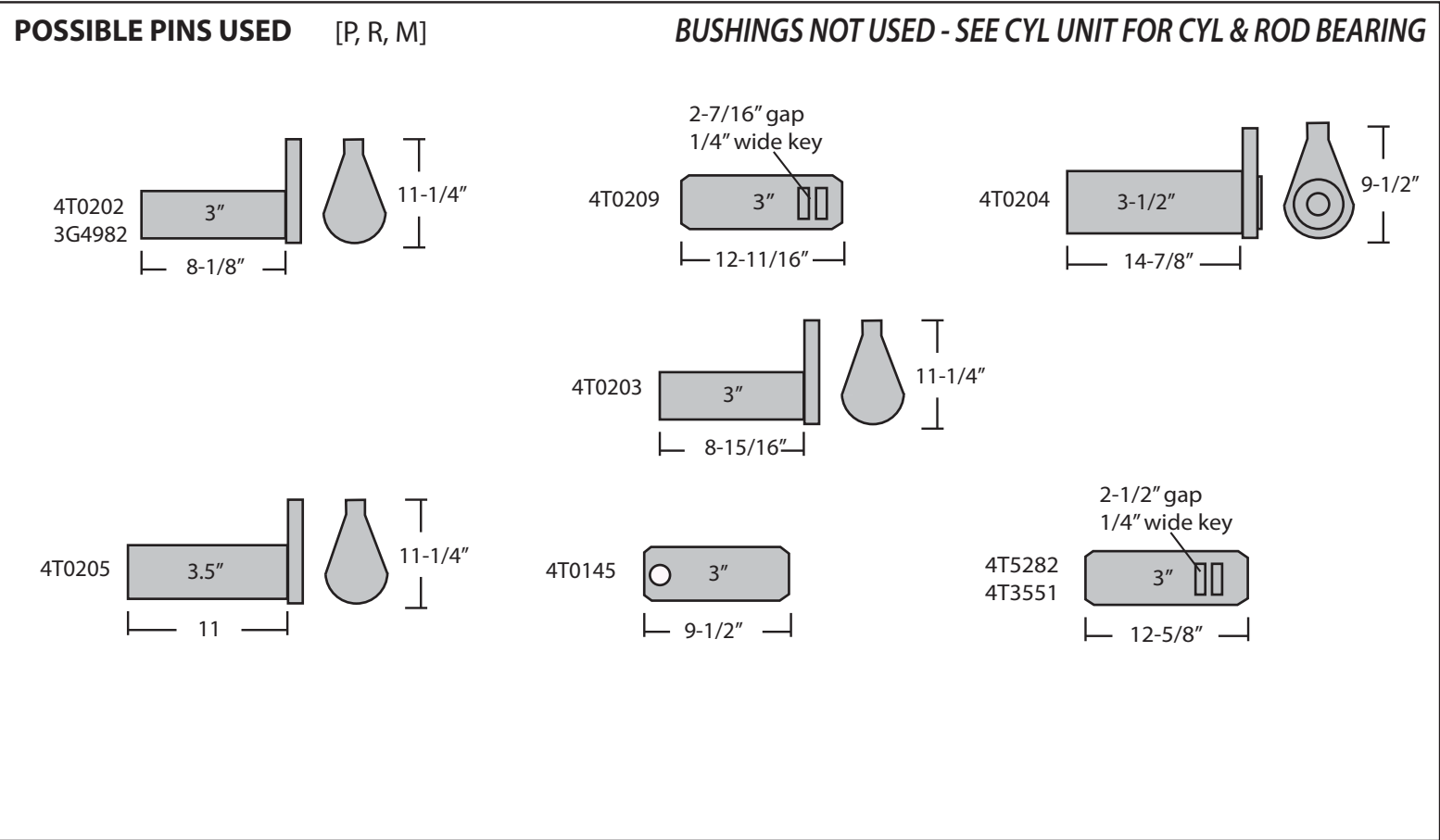
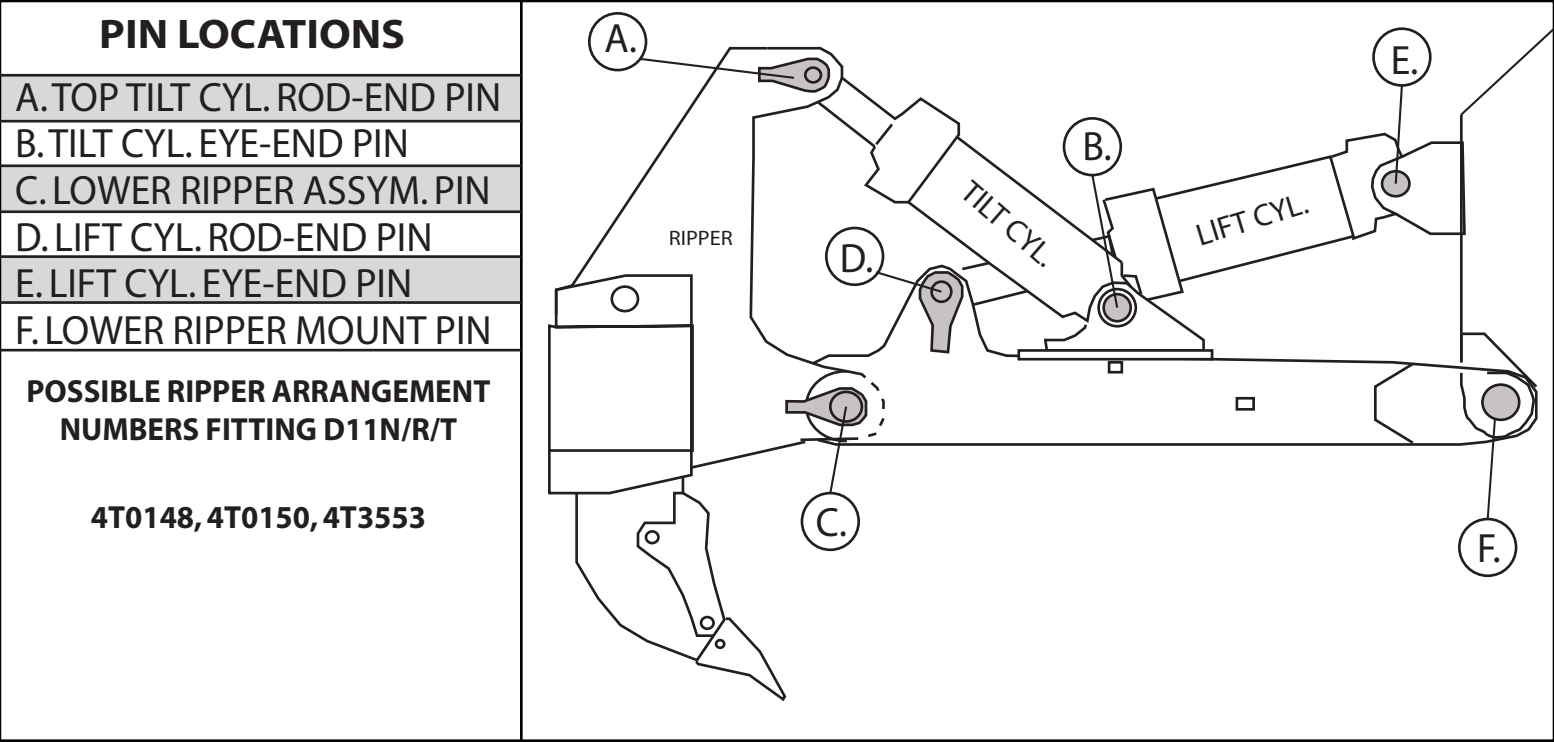
D9N/R/T - CONNECTOR BLOCKS & PINS

D9N/R/T		<i>RH BACK VIEW BEHIND THE DOZER BLADE</i> 
1. 1U2472	PIN	
2. 4T7534	PIN	
3. 5J0697	CON. BLOCK	
1U2472 $2\text{-}3/4''$ $10\text{-}11/16''$		
4T7534 $2\text{-}3/4''$ $12\text{-}1/8''$		

D8L - RIPPER PINS

**BUSHINGS NOT USED -
SEE CYL UNIT FOR CYL & ROD BEARING**

USES A COMBINATION OF PINS ON THIS PAGE IN DIFFERENT LOCATIONS DEPENDING ON THE RIPPER ATTACHMENT. YOU CAN EITHER ORDER BY PART NUMBER, IDENTIFY THE PIN BY DIMENSIONS BELOW, OR GIVE INSIDE SALES THE RIPPER ARRANGEMENT NUMBER FOR THEM TO LOOK UP.



D8L - EQUALIZER BAR PINS

D8L

1. 9G7038 PIN	3T4615 BEARING
2. 9P6912 PIN	6Y3549 BUSHING

9G7038
2Y8749

2-3/4"

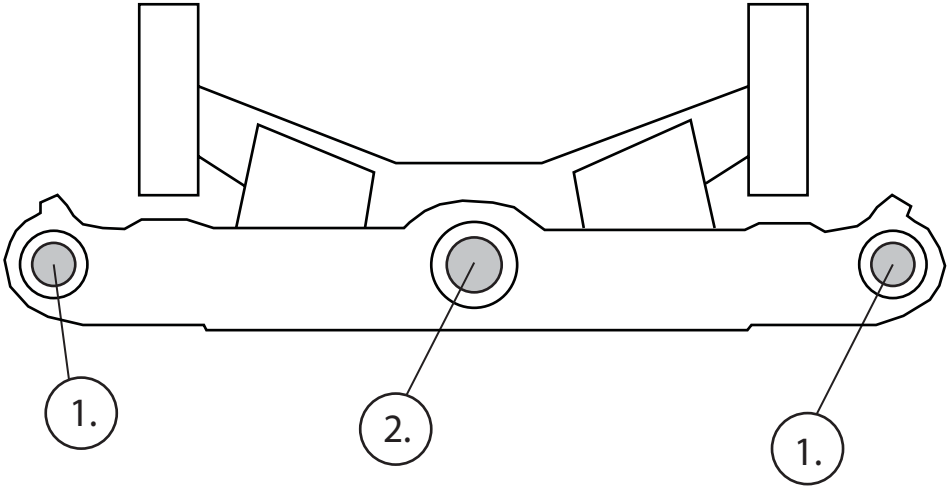
9-1/2"

9P6912
2Y8749
127-0842

4-1/4"

3-7/8"

13-19/32"



D8L - CONNECTOR BLOCKS & PINS

D8L

1. 1U2472	PIN
2. 4T7534	PIN
3. 5J0697	CON. BLOCK
4. 6J4795	PIN

1U2472

2-3/4"

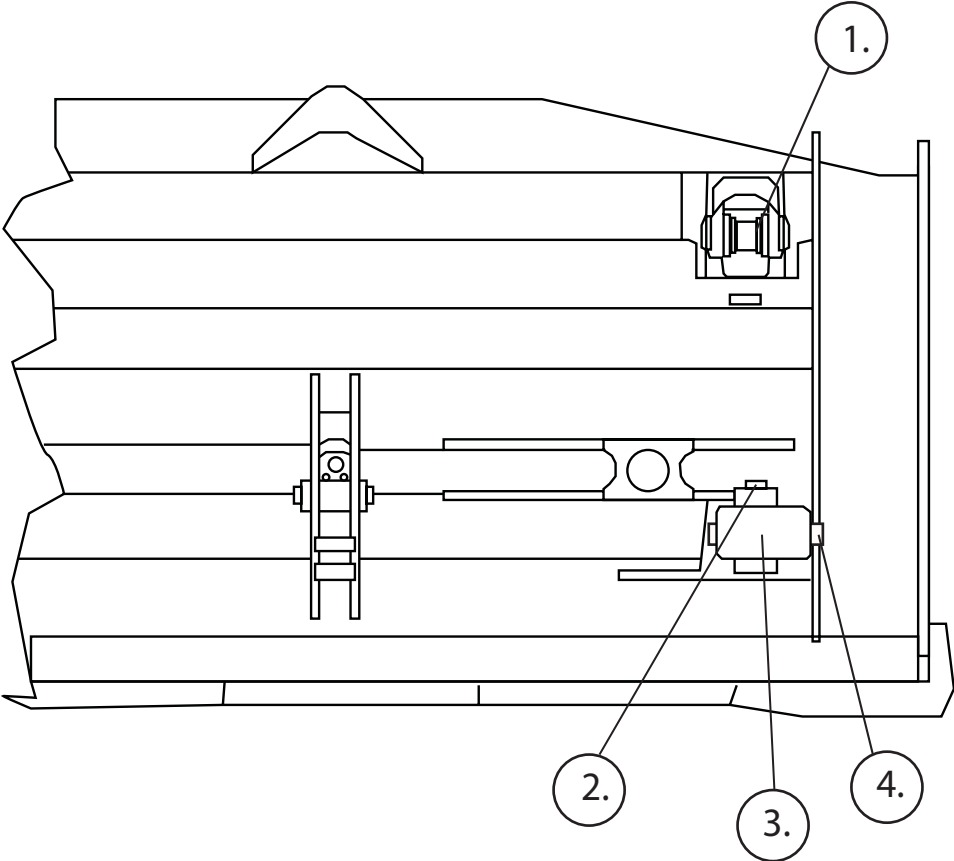
10-11/16"

4T7534

2-3/4"

12-1/8"

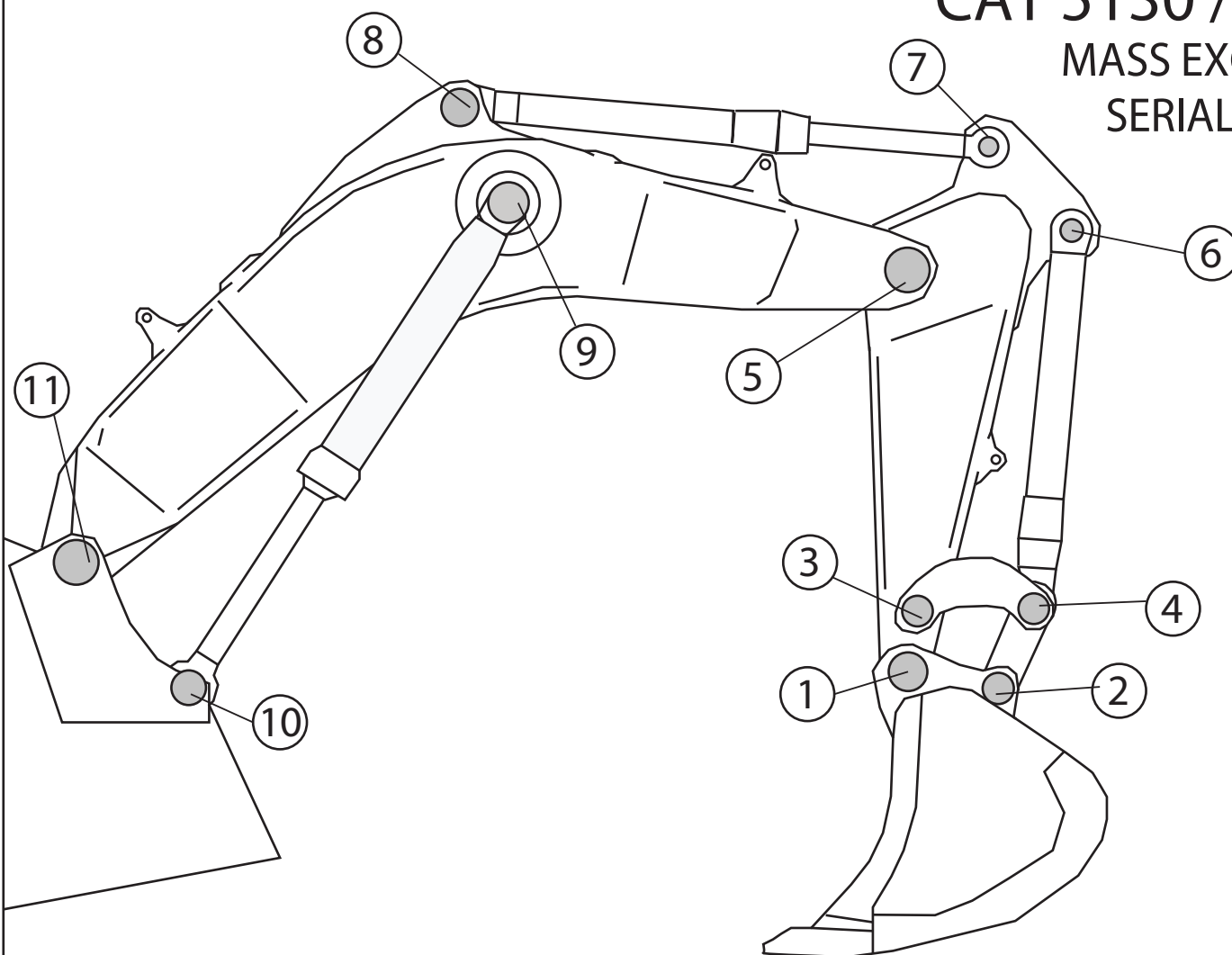
RH BACK VIEW BEHIND THE DOZER BLADE



CAT 5130 / 5130B

MASS EXCAVATOR

SERIAL: 5ZL, 4CS



1.	108-9256	BUCKET / STICK PIN	7-7/8" x 53-7/8"
2.	126-3292	BUCKET / TILT LINK PIN	6-1/4" x 51"
3.	126-3292	STICK LINK PIN	6-1/4" x 51"
4.	126-3292	DOOR HINGE / DOZER	6-1/4" x 51"
5.	6i7371	STICK / LIFT ROD PIN	8-1/2" x 55-13/16"
6.	108-9257	BOOM / STICK PIN	
7.	108-9258	TILT ROD / BOOM PIN	6" x 13"
8.	108-9258	BOOM / LIFT CYL PIN	6" x 13"
9.	107-8013	STICK / LIFT CYL PIN	7" x 14"
10.	107-3244	BOOM / LIFT ROD PIN	7" x 15"
11.	6i7367	BOOM / FRAME PIN	9-1/2" x 64-1/2"

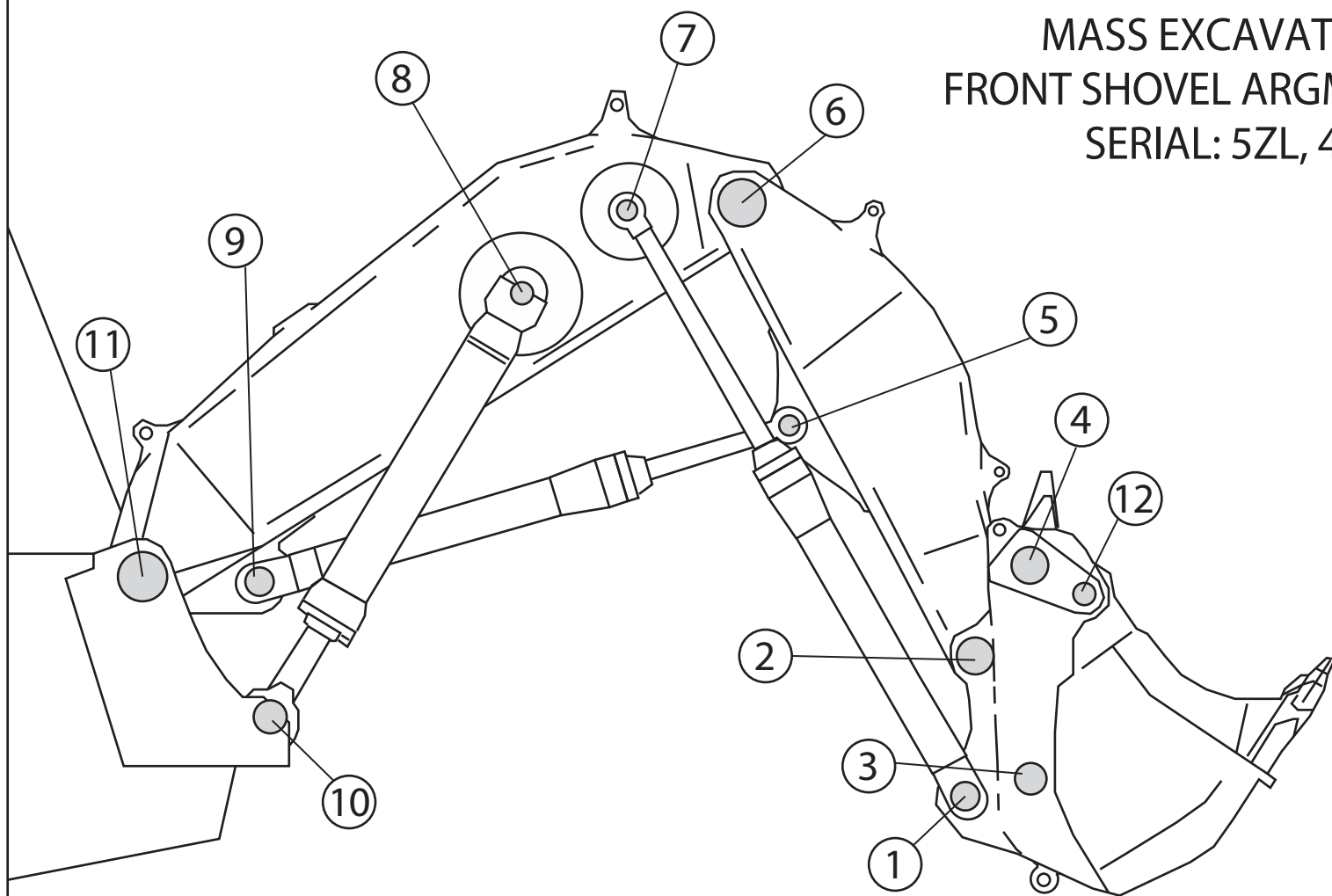
PINS ON THIS MACHINE OFFERED AS REAPIR OPTIONS OF CUSOTMER CORES

CAT 5130 / 5130B

MASS EXCAVATOR

FRONT SHOVEL ARGMT.

SERIAL: 5ZL, 4CS



1.	CC 6i7379	BUCKET / TILT CYL PIN	4-3/4" x 10-1/8"
2.	CC 6i7373	BUCKET / STICK PIN	8" x 64-3/4"
3.	CC 6i7357	DOOR HINGE / DOZER	NOT OFFERED/B.E.R.
4.	CC 213-9392	DOOR HINGE / DOZER	NOT OFFERED/B.E.R.
5.	CC 6i7379	STICK / LIFT ROD PIN	4-3/4" x 10-1/8"
6.	CC 6i7371	BOOM / STICK PIN	8-1/2" x 55-7/8"
7.	CC 6i7379	TILT ROD / BOOM PIN	4-3/4" x 10-1/8"
8.	CC 107-8013	BOOM / LIFT CYL PIN	7" x 14"
9.	CC 6i7379	STICK / LIFT CYL PIN	4-3/4" x 10-1/8"
10.	CC 107-3244	BOOM / LIFT ROD PIN	7" x 15"
11.	CC 6i7367	BOOM / FRAME PIN	9-1/2" x 64-1/2"
12.	CC 6i7350	DOOR HINGE / DOZER	4-3/4" x 15-1/2"

PINS ON THIS MACHINE OFFERED AS REAPIR OPTIONS OF CUSOTMER CORES



CHROME CRAFT

916-383-1660

EXCAVATOR PARTS ORDER

-Please fill in as much info as possible-

DATE: _____

CUSTOMER: _____

OEM MAKE & MODEL: _____

BUCKET LINKAGE FAMILY: _____

EXCAVATOR SERIAL #: _____

BUCKET PART #: _____

PART NEED FROM BELOW CHART:

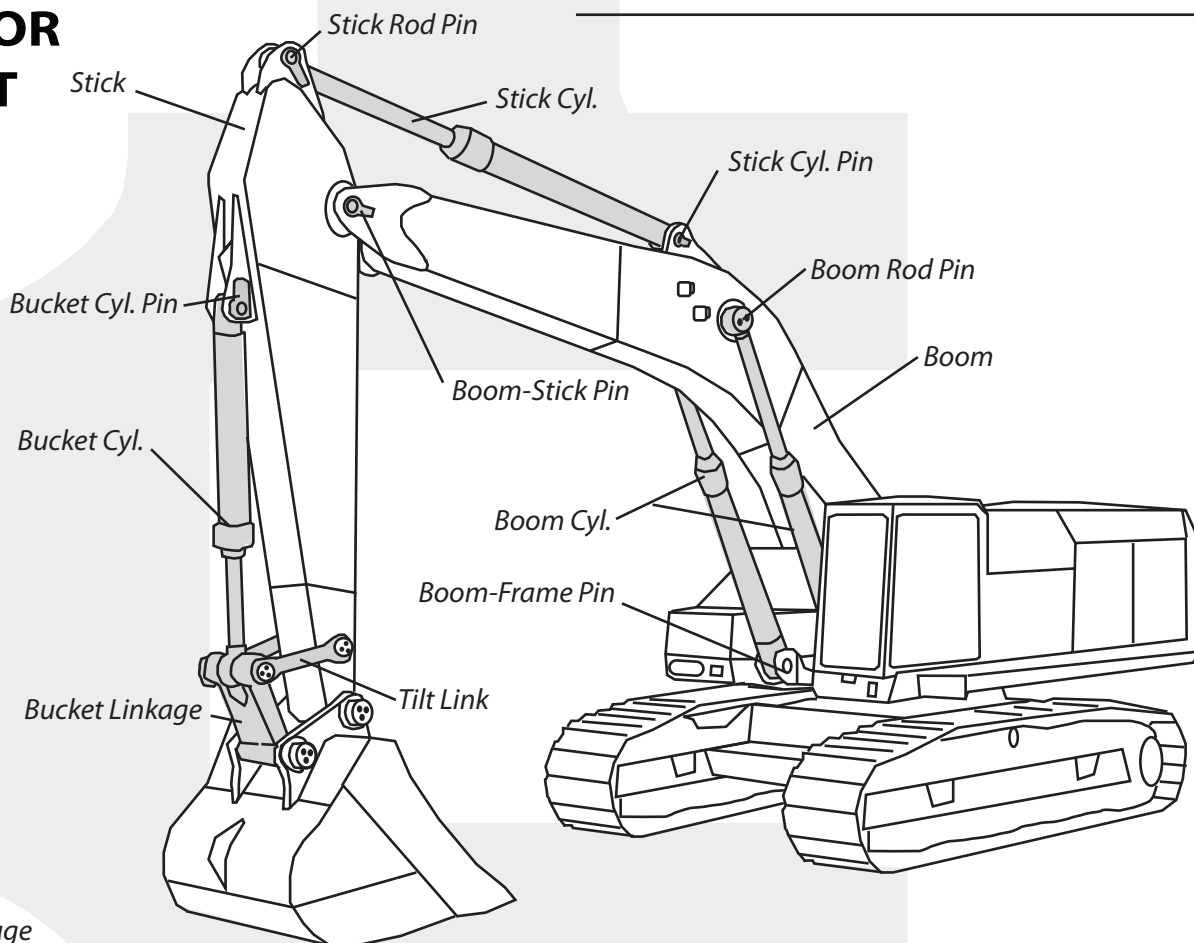
_____ Qty _____

[QUICK COUPLER] or [STANDARD 4-PIN]

CORE AVAILABLE: [YES] [NO]

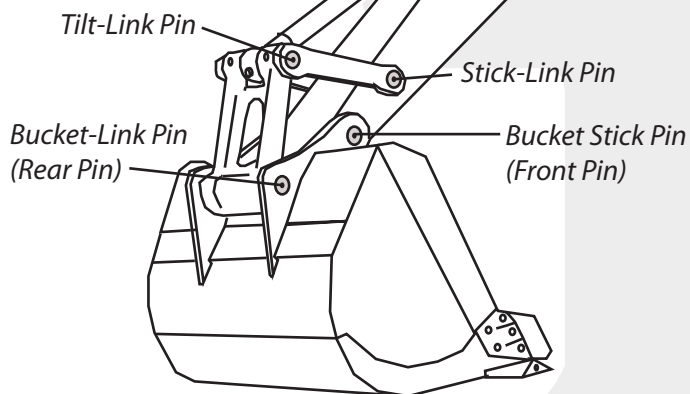
NOTES: _____

EXCAVATOR I.D. CHART

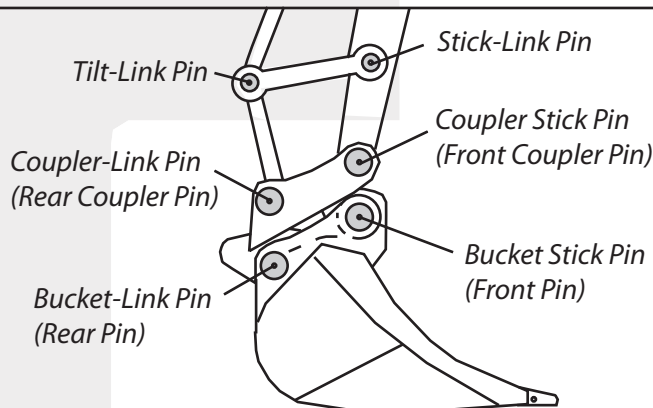


FOR CATERPILLAR Buckets
Use "Linkage Families"
to determine pins needed.
CAT Model numbers have
lots of interchangeability.

i.e. JB linkage or HV2 Linkage



STANDARD 4 PIN LINKAGE



QUICK COUPLER LINKAGE
4 PINS PLUS 2 BUCKET PINS



CHROME CRAFT

916-383-1660

CAT Linkage Pins & Info

FOR CATERPILLAR Buckets Use "Linkage Families" if known to determine pins needed or you can find compatible pins/info below from the list of CAT Excavator stock pins. CAT Model numbers have lots of interchangeability (See "Bucket Interchangeability Page").

Linkage Number	Front Stick Bucket Pin	Front Stick Diam.	Closest Tape	Front pin Length	Rear Bucket Link Pin	Rear Link Diam.	Closest Tape	Rear pin length	Pin Retainer Type	GET Size	OEM Edge Thk	I.D. Ears Spread	Pin Spread - c/c	Sample Machiens
307/308	106-6734	45mm	13/4"	16 1/8"	106-6734	45mm	13/4"	14"	X Bolt	J225	7/8	7 3/8	12	307C, 308C
311, 312, 314	086-0523	65mm	29/16"	16 1/8"	086-0523	65mm	29/16"	16 1/8"	X Bolt	J250	1 1/4	8 3/4	16	311D, 312D, 313D, 314D M313
A	086-0523	65mm	29/16"	20"	086-0523	65mm	29/16"	16 1/8"	X Bolt	J250	1 1/4	8 3/4	16	314, 320D, 321D, 323D
315	106-6878	70mm	23/4"	21 3/8"	106-6878	70mm	23/4"	20"	X Bolt	K80	1 3/8	11 1/8	18 1/4	315D, 316D
318/M318	087-5805	80mm	3 1/8"	21 3/8"	087-5805	80mm	3 1/8"	21 3/8"	X Bolt	K90	1 3/8	12 1/4	17 5/8	318D, 319D, 320D, 321D, 323D, 324D
B	087-5805	80mm	3 1/8"	21 3/8"	087-5805	80mm	3 1/8"	21 3/8"	X Bolt	K80	1 5/8	12 1/4	17 1/2 to 19	320D, 321D, 323D, 324D, 330D, 336D
M320	087-5805	80mm	3 1/8"	21 3/8"	087-5805	80mm	3 1/8"	21 3/8"	X Bolt	K90	1 3/8	12 1/4	17 5/8	320D, 321D, 323D, 324D, 330D, 336D
S	087-5805	80mm	3 1/8"	21 3/8"	087-5805	80mm	3 1/8"	31 3/8"	X Bolt	K90	1 3/4	12 1/4	19 to 20 1/8	320D, 321D, 323D, 324D, 330D, 336D
C	7Y2357	80mm	3 1/8"	21 7/8"	7Y2357	80mm	3 1/8"	23 3/8"	X Bolt	K90	1 3/4	13 7/8	19 to 20 1/8	320, 325 330, 350, 5080
CB	234-3931	90mm	39/16"	21 7/8"	234-3931	90mm	39/16"	21 15/16"	Bolted Ft.	K90	1 3/4	13 7/8	19 to 20 1/8	323D, 329D, 335F, 336E
D	7Y3550	90mm	39/16"	25 7/8"	7Y3549	80mm	39/16"	25 1/2"	X Bolt	K100	2	15 1/8	19 to 20 1/8	325D, 330C, 335B
DB	251-2552	100mm	4"	24 1/4"	251-2558	90mm	39/16"	23 1/2"	Bolted Ft.	K100	2	15 1/8	19 5/8 to 20 7/8	330F, 336F, 340F, 345C
E	4i4805	100mm	4"	29 1/2"	4i4806	80mm	3 1/8"	29 1/2"	X Bolt	K110	2	16 3/4	11 3/8	330, 330B/C
F	4i5016	100mm	4"	30 1/8"	4i5015	80mm	3 1/8"	29 1/8"	X Bolt	K110	2	17 3/8	23 1/8	330CL, 345B/C, 350, 350L
TB	235-7636	110mm	4 3/8"	27 3/8"	235-7642	100mm	4"	26 1/2"	Bolted Ft.	K110	2	17 3/8	23 1/8	329D, 330D, 336D, 345C, 349E,
G	4i6720	110mm	4 3/8"	33 3/4"	4i6722	90mm	39/16"	32 3/8"	X Bolt	K130	2 3/8	19 3/4	25	345B, 350, 350L, 365B
V	4i6720	110mm	4 3/8"	33 3/4"	4i6722	90mm	39/16"	32 3/8"	X Bolt	K130	2 3/8	19 3/4	24 7/8	345B, 350, 350L, 365B
UB	212-3086	120mm	4 3/4"	31 1/2"	212-3088	110mm	4 3/8"	31 1/2"	Captured Ft.	K130	2 3/8	19 3/4	19 3/4	345D, 349D/F, 352F, 365C/D, 374D
VB	212-3086	120mm	4 3/4"	31 1/2"	212-3088	110mm	4 3/8"	31 1/2"	Captured Ft.	K130	2 3/8	19 3/4	19 3/4	345D, 349D/F, 352F, 365C/D, 374D
VB2	212-3086	120mm	4 3/4"	31 1/2"	212-3088	110mm	4 3/8"	31 1/2"	Captured Ft.	K130	2 3/8	19 3/4	19 3/4	345D, 349D/F, 352F, 365C/D, 374D
HB	195-5481	130mm	5 1/8"	34 3/4"	195-5484	120mm	4 3/4"	33"	Captured Ft.	K130	2 3/8	21 3/4	24 1/4	385B/C, 390D/F
HB2	195-5481	130mm	5 1/8"	34 3/4"	195-5484	120mm	4 3/4"	33"	Captured Ft.	K130	2 3/8	21 3/4	25 5/8	385B/C, 390D/F
JB	195-5583	130mm	5 1/8"	38 3/8"	195-5580	130mm	5 1/8"	37 1/2"	Captured Ft.	K170	3 1/2	25 5/8	26 1/2	385B/C/L,
WB	2185433	130mm	5 1/8"	-	212-3086	120mm	4 3/4"	37 1/2"	Captured Ft.			21 3/4	25 5/8	365B/C, 374C/D
WB2	2185433	130mm	5 1/8"	-	212-3086	120mm	4 3/4"	37 1/2"	Captured Ft.			21 3/4	26 1/2	365B/C, 374C/D
J	7Y3585	130mm	5 1/8"	41 1/4"	7Y3587	110mm	4 3/8"	40 1/8"	X Bolt	K150	2 3/4	26	26 1/2	375, 375L, 5080
H	7Y9945	130mm	5 1/8"	37 1/4"	7Y9946	100mm	4"	37 1/4"	X Bolt	K130	2 3/8	21 3/4	23	365B, 375, 375L, 5080
JC	324-1155	140mm	5 1/2"	38 3/8"	195-5580	130mm	5 1/8"	37 1/4"	Captured Ft.	J800	3 1/8	25 5/8	27 1/2	390D/F/L