

***Calkins***

**Culta-Weeder and  
1500 Series Rodweeder**

**5 Section**

**PARTS MANUAL**

**J.E. LOVE COMPANY**

**LOVE®**

309 W. CALIFORNIA STREET  
P.O. BOX 188  
GARFIELD, WASHINGTON 99130-0188  
(509) 635-1321 FAX: (509) 635-1434  
[www.jeloveco.com](http://www.jeloveco.com)

PRINTED IN U.S.A.

# **CAUTION**

## **BLOCK SECURELY**

Do not place yourself under any equipment suspended hydraulically, with mechanical stops, jacks or hoists, without blocking securely.

Make sure machine cannot roll.

---

# Table of Contents

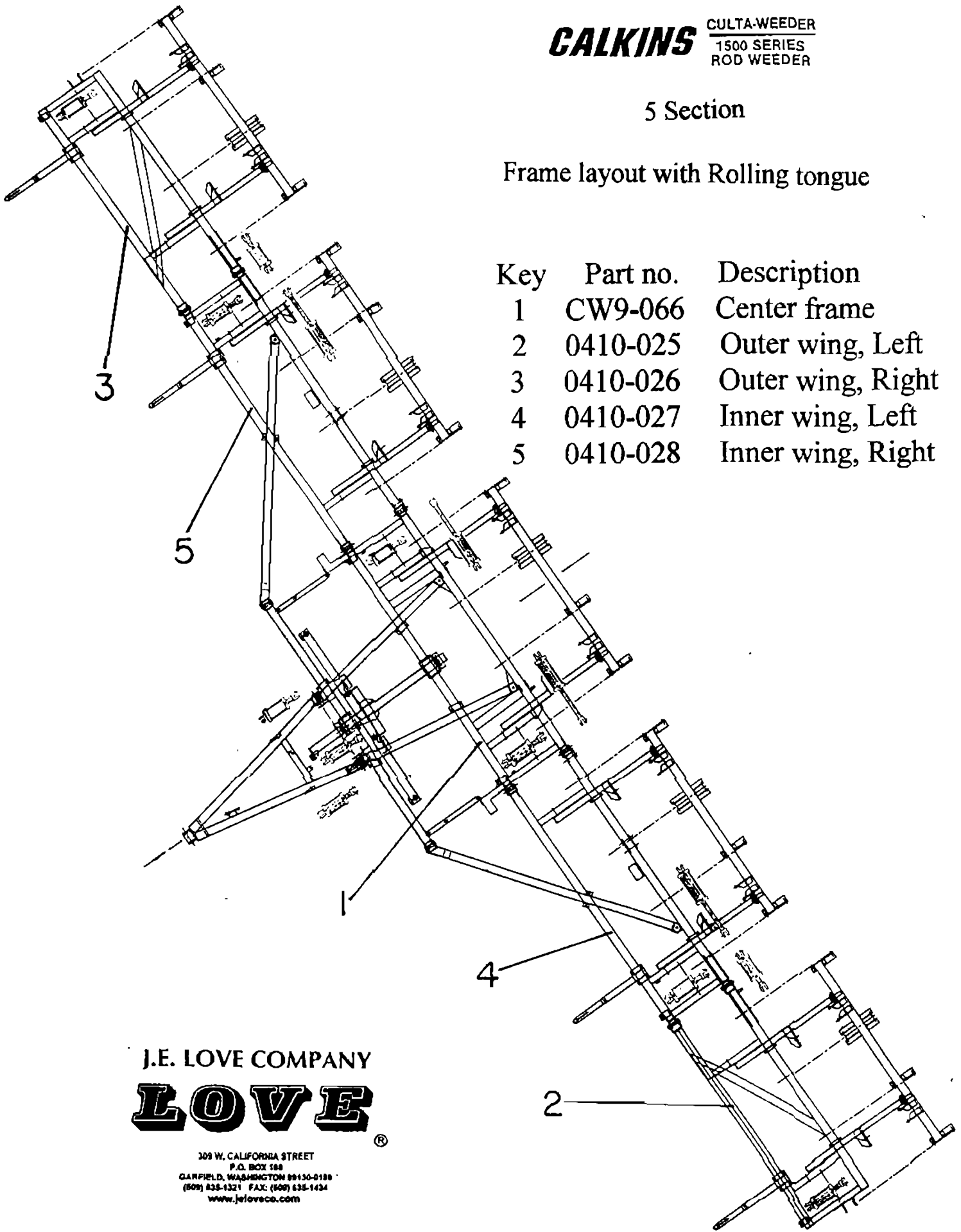
| Title   | Page  |
|---|-------|
| Caution / Warning                                 | -     |
| Table of contents-----                            | 1,2   |
| Frame layout with rolling tongue-----             | 3     |
| Center frame -----                                | 4,5   |
| Cross tongue member                               |       |
| Lead arms and Backbone                            |       |
| Inner wing frame, left -----                      | 6,7   |
| Wing pull, left                                   |       |
| Shank mounts                                      |       |
| Lead arms and Backbone                            |       |
| Inner wing frame, right -----                     | 8,9   |
| Wing pull, right                                  |       |
| Shank mounts                                      |       |
| Lead arms and Backbone                            |       |
| Outer wing frame, left -----                      | 10,11 |
| Shank mounts                                      |       |
| Lead arms and Backbone                            |       |
| Outer wing frame, right -----                     | 12,13 |
| Shank mounts                                      |       |
| Lead arms and Backbone                            |       |
| Spring cushion assembly -----                     | 14,15 |
| Rolling tongue components -----                   | 16,17 |
| Rolling tongue swivel arm components -----        | 18,19 |
| Caster wheel leg assembly, wing left -----        | 20,21 |
| Caster wheel leg assembly, wing right -----       | 22,23 |
| Dual wheel leg assembly, center frame left -----  | 24,25 |
| Drive basket                                      |       |
| Hub and wheels                                    |       |
| Dual wheel leg assembly, center frame right ----- | 26,27 |
| Hubs and wheels                                   |       |

## Table of contents

| Title   | Page        |
|---|-------------|
| Spindle platform assembly -----                         | 28,29       |
| Wing wheel leg assembly, inner wing left -----          | 30,31       |
| Wing wheel leg assembly, inner wing right -----         | 32,33       |
| Wing wheel leg assembly, outer wing left -----          | 34,35       |
| Wing wheel leg assembly, outer wing right -----         | 36,37       |
| Live axle assembly -----                                | 38,39       |
| Adjustable linkage assembly and Cylinder locks -----    | 40,41       |
| Hydraulic cylinders                                     |             |
| Shank layout, 5 Section 60 ft. -----                    | 43          |
| Rotating shank assembly -----                           | 44,45       |
| Boot drive assembly -----                               | 46,47       |
| Goosenecks  |             |
| Weeder rod  |             |
| Boot drive assembly -----                               | 48,49       |
| Wing lift components, center frame -----                | 50,51       |
| Wing lift components, inner frame left -----            | 52,53       |
| Wing lift components, inner frame right -----           | 54,55       |
| Wing lift components, outer frame left -----            | 56,57       |
| Wing lift components, outer frame right -----           | 58,59       |
| Hydraulic layout with rolling tongue -----              | 60,61       |
| Hydraulic cylinder locations -----                      | 62,63       |
| Frames, wheel legs, wing fold and rolling tongue        |             |
| Single drive line system, drive components layout ----- | 64,65       |
| Single drive line components -----                      | 66,67       |
| Part number Page reference section-----                 | A-1, to A-9 |

5 Section

Frame layout with Rolling tongue

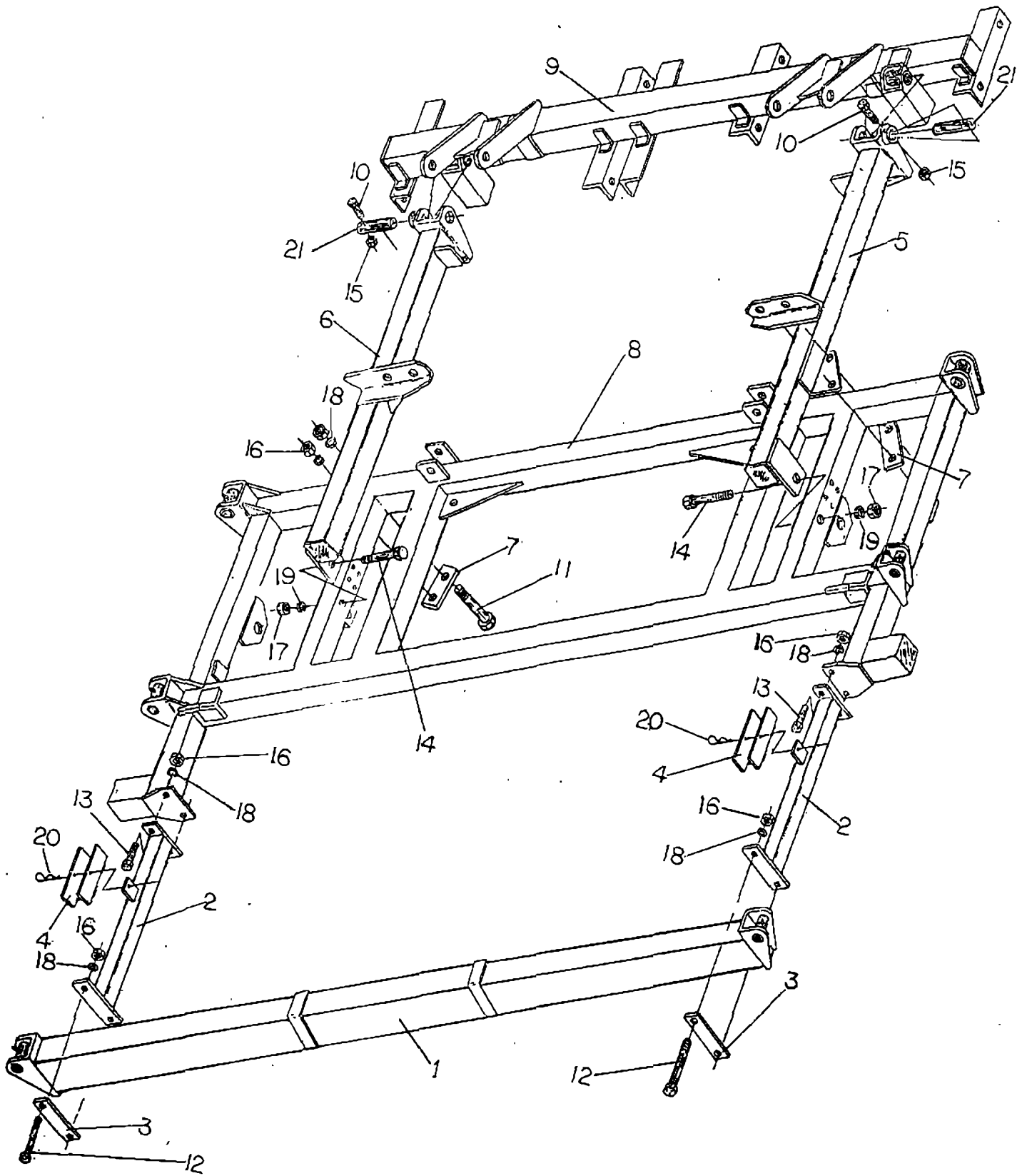


| Key | Part no. | Description       |
|-----|----------|-------------------|
| 1   | CW9-066  | Center frame      |
| 2   | 0410-025 | Outer wing, Left  |
| 3   | 0410-026 | Outer wing, Right |
| 4   | 0410-027 | Inner wing, Left  |
| 5   | 0410-028 | Inner wing, Right |

J.E. LOVE COMPANY  
**LOVE**®

309 W. CALIFORNIA STREET  
P.O. BOX 188  
CLARFIELD, WASHINGTON 99130-0188  
(509) 835-1321 FAX: (509) 835-1434  
www.jeloveco.com

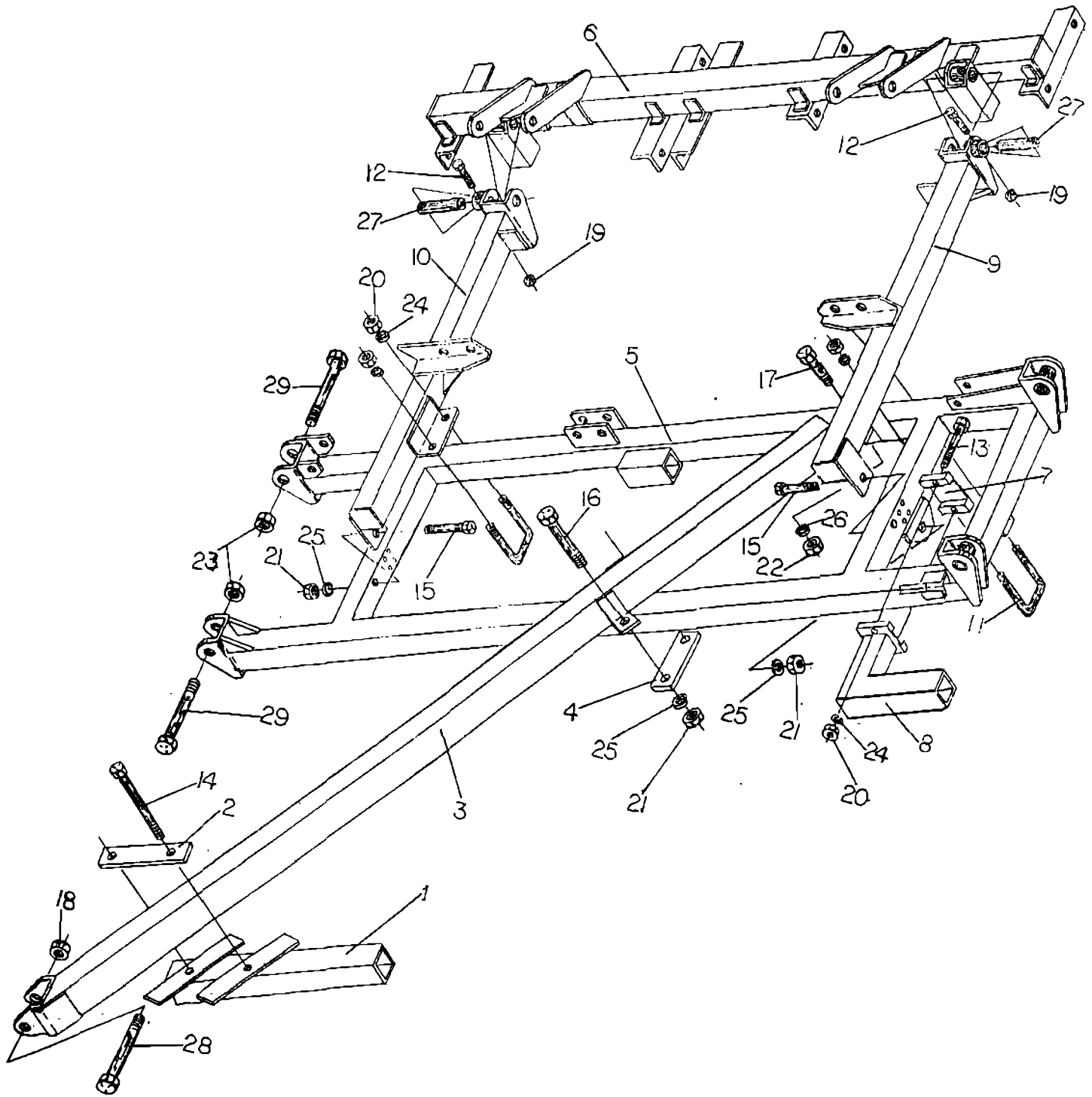
# Center frame, Cross tongue, Lead arms & Backbone



## Center frame, Cross tongue, Lead arms & Backbone

| Key | Part no. | Description                      |
|-----|----------|----------------------------------|
| 1   | CW9-004  | Cross tongue member              |
| 2   | CW9-036  | Cross tongue brace               |
| 3   | CW9-037  | Backing plate, 6" span 5/8"      |
| 4   | CW9-043  | Cylinder lock                    |
| 5   | CW9-063  | Lead arm, long – Left            |
| 6   | CW9-064  | Lead arm, long – Right           |
| 7   | CW9-065  | Backing plate                    |
| 8   | CW9-066  | Center frame, 12 ft. – 5 Section |
| 9   | 0410-004 | Backbone, 12 ft. – Center        |
| 10  | 7112-066 | Capscrew, 3/8" NC x 2 1/2"       |
| 11  | 7114-060 | Capscrew, 5/8" NC x 6"           |
| 12  | 7114-065 | Capscrew, 5/8" NC x 6 1/2"       |
| 13  | 7114-115 | Capscrew, 5/8" NC x 2 1/2"       |
| 14  | 7115-075 | Capscrew, 3/4" NC x 5 1/2"       |
| 15  | 7722-110 | Hex lock nut, 3/8" NC            |
| 16  | 7724-005 | Hex nut, 5/8" NC                 |
| 17  | 7725-002 | Hex nut, 3/4" NC                 |
| 18  | 7844-020 | Lockwasher, 5/8"                 |
| 19  | 7845-020 | Lockwasher, 3/4"                 |
| 20  | 7920-002 | Hitch pin, # 8                   |
| 21  | 8026-033 | Pin, backbone – 1" dia.          |

# Inner Wing Frame - Left, Wing Pull, Shank Mounts, Leader Arms and Backbone

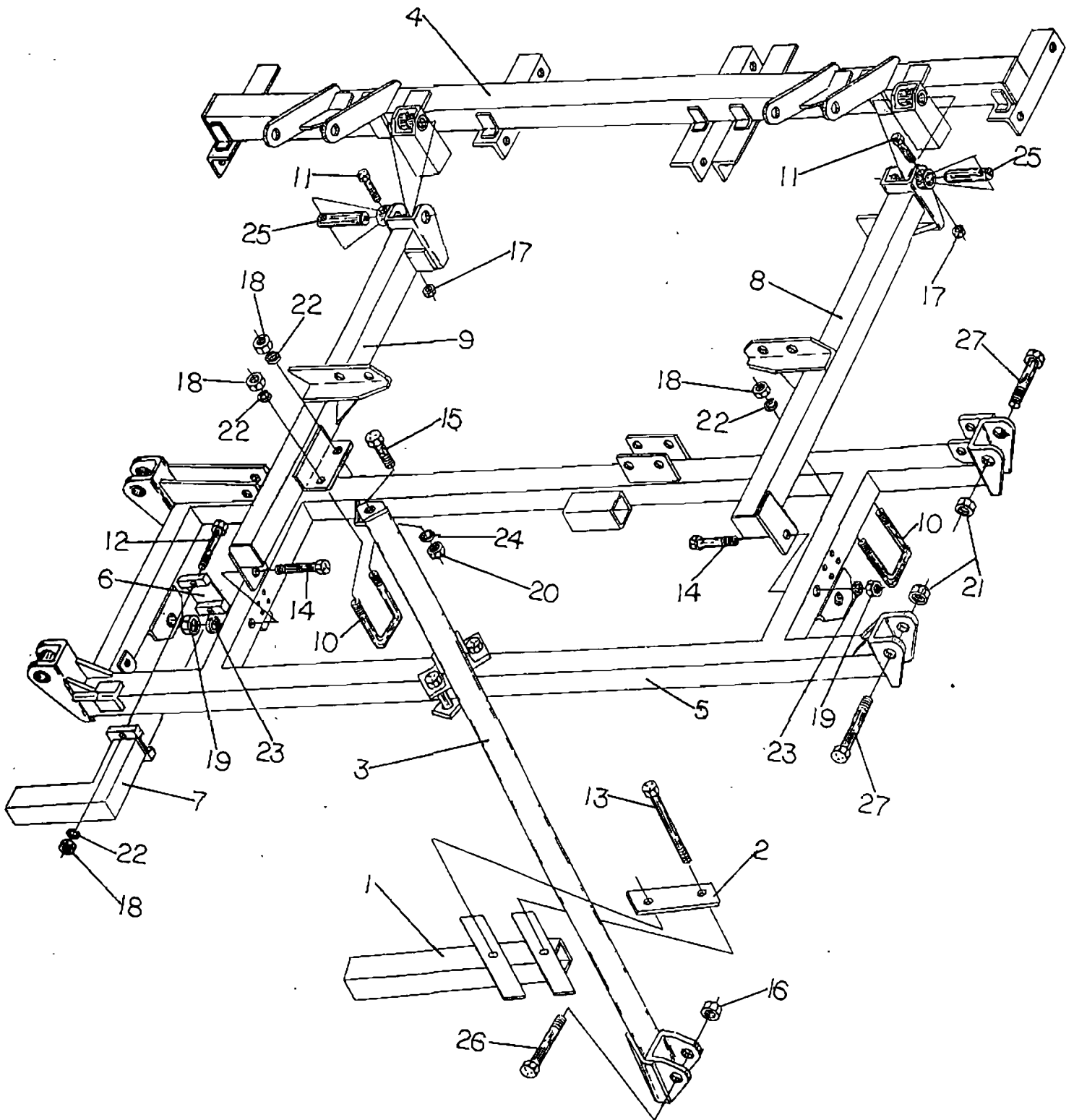




## Inner Wing Frame - Left, Wing Pull, Shank Mounts, Leader Arms and Backbone

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                      |
|------------|-----------------|---|
| 1          | CW9-061         | Shank Mount, Wing Pull - Left Hand      |
| 2          | CW9-068         | Backing Plate                           |
| 3          | CW9-069         | Wing Pull, 12ft - Left Hand             |
| 4          | 0216-058        | Backing Plate                           |
| 5          | 0410-027        | Inner Wing Frame, 12ft - Left Hand      |
| 6          | 0410-068        | Backbone, 12ft - Inner Wing - Left Hand |
| 7          | 0410-079        | Base Plate                              |
| 8          | 0410-157        | Shank Mount                             |
| 9          | 0410-183        | Lead Arm, Short - Left                  |
| 10         | 0410-184        | Lead Arm, Short - Right                 |
| 11         | 5214-002        | U-Bolt, 5/8" NC                         |
| 12         | 7112-066        | Cap Screw, 3/8" NC x 2 1/2"             |
| 13         | 7114-055        | Cap Screw, 5/8" NC x 5 1/2"             |
| 14         | 7114-080        | Cap Screw, 5/8" NC x 8"                 |
| 15         | 7115-075        | Cap Screw, 3/4" NC x 5 1/2"             |
| 16         | 7115-076        | Cap Screw, 3/4" NC x 6"                 |
| 17         | 7116-025        | Cap Screw, 1" Nc x 2 1/2"               |
| 18         | 7717-255        | Lock Nut, 1 1/4" NC                     |
| 19         | 7722-110        | Lock Nut, 3/8" NC                       |
| 20         | 7724-005        | Hex Nut, 5/8" NC                        |
| 21         | 7725-002        | Hex Nut, 3/4" NC                        |
| 22         | 7726-005        | Hex Nut, 1" NC                          |
| 23         | 7726-012        | Lock Nut, 1" NC                         |
| 24         | 7844-020        | Lock Washer, 5/8"                       |
| 25         | 7845-020        | Lock Washer, 3/4"                       |
| 26         | 7846-020        | Lock Washer, 1"                         |
| 27         | 8026-033        | Pin, Backbone - 1" Dia                  |
| 28         | 8116-032        | Bolt, 1 1/4" NC x 7" w/Nylock           |
| 29         | 8116-046        | Bolt, 1" NC x 7 7/8 w/Nylock            |

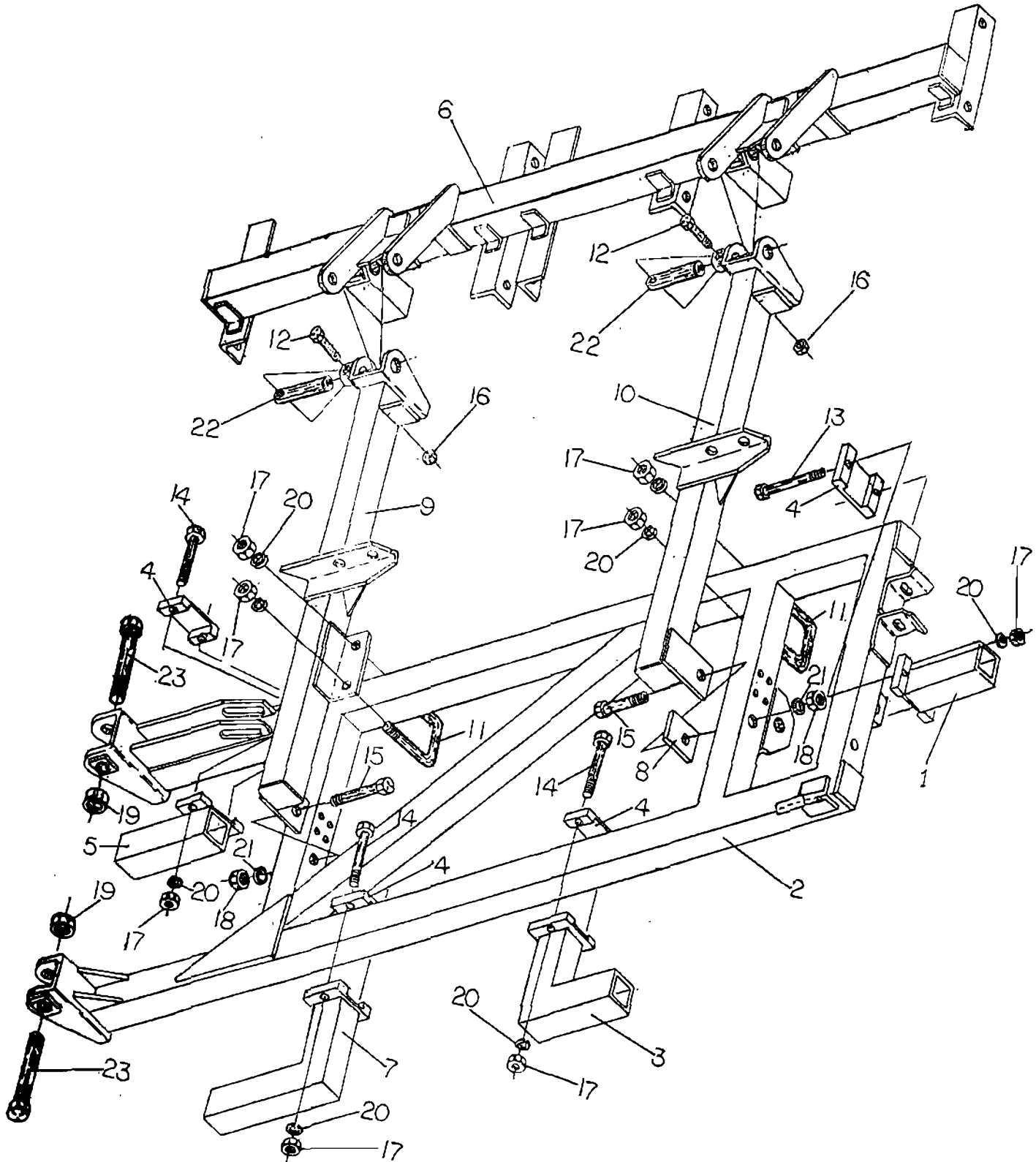
# Inner Wing Frame Right, Wing Pull, Shank Mounts, Lead Arm and Backbone



## Inner Wing Frame Right, Wing Pull, Shank Mounts, Lead Arm and Backbone

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                   |
|------------|-----------------|--------------------------------------|
| 1          | CW9-062         | Shank Mount, Wing Pull - Right Hand  |
| 2          | CW9-068         | Backing Plate                        |
| 3          | CW9-070         | Wing Pull , 12ft Right Hand          |
| 4          | 0410-005        | Backbone, 12ft Inner Wing Right Hand |
| 5          | 0410-028        | Inner Wing Frame, 12ft Right Hand    |
| 6          | 0410-079        | Base Plate                           |
| 7          | 0410-157        | Shank Mount, 90                      |
| 8          | 0410-183        | Lead Arm, Short - Left               |
| 9          | 0410-184        | Lead Arm, Short - Right              |
| 10         | 5214-002        | U - Bolt                             |
| 11         | 7112-066        | Capscrew, 3/8" NC x 2 1/2"           |
| 12         | 7114-055        | Capscrew, 5/8" NC x 5 1/2"           |
| 13         | 7114-080        | Capscrew, 5/8" NC x 8"               |
| 14         | 7115-075        | Capscrew, 3/4" NC x 5 1/2"           |
| 15         | 7116-025        | Capscrew, 1" NC x 2 1/2"             |
| 16         | 7717-255        | Lock Nut, 1 1/4" NC                  |
| 17         | 7722-110        | Lock Nut, 3/8" NC                    |
| 18         | 7724-005        | Hex Nut, 5/8" NC                     |
| 19         | 7725-002        | Hex Nut, 3/4" NC                     |
| 20         | 7726-005        | Hex Nut, 1" NC                       |
| 21         | 7726-012        | Lock Nut, 1" NC                      |
| 22         | 7844-020        | Lockwasher, 5/8"                     |
| 23         | 7846-020        | Lockwasher, 3/4"                     |
| 24         | 7846-020        | Lockwasher, 1"                       |
| 25         | 8026-033        | Pin, Backbone, 1" Dia                |
| 26         | 8116-032        | Bolt, 1 1/4" NC x 7" w/Nylock        |
| 27         | 8116-046        | Bolt, 1" NC x 7 7/8" w/Nylock        |

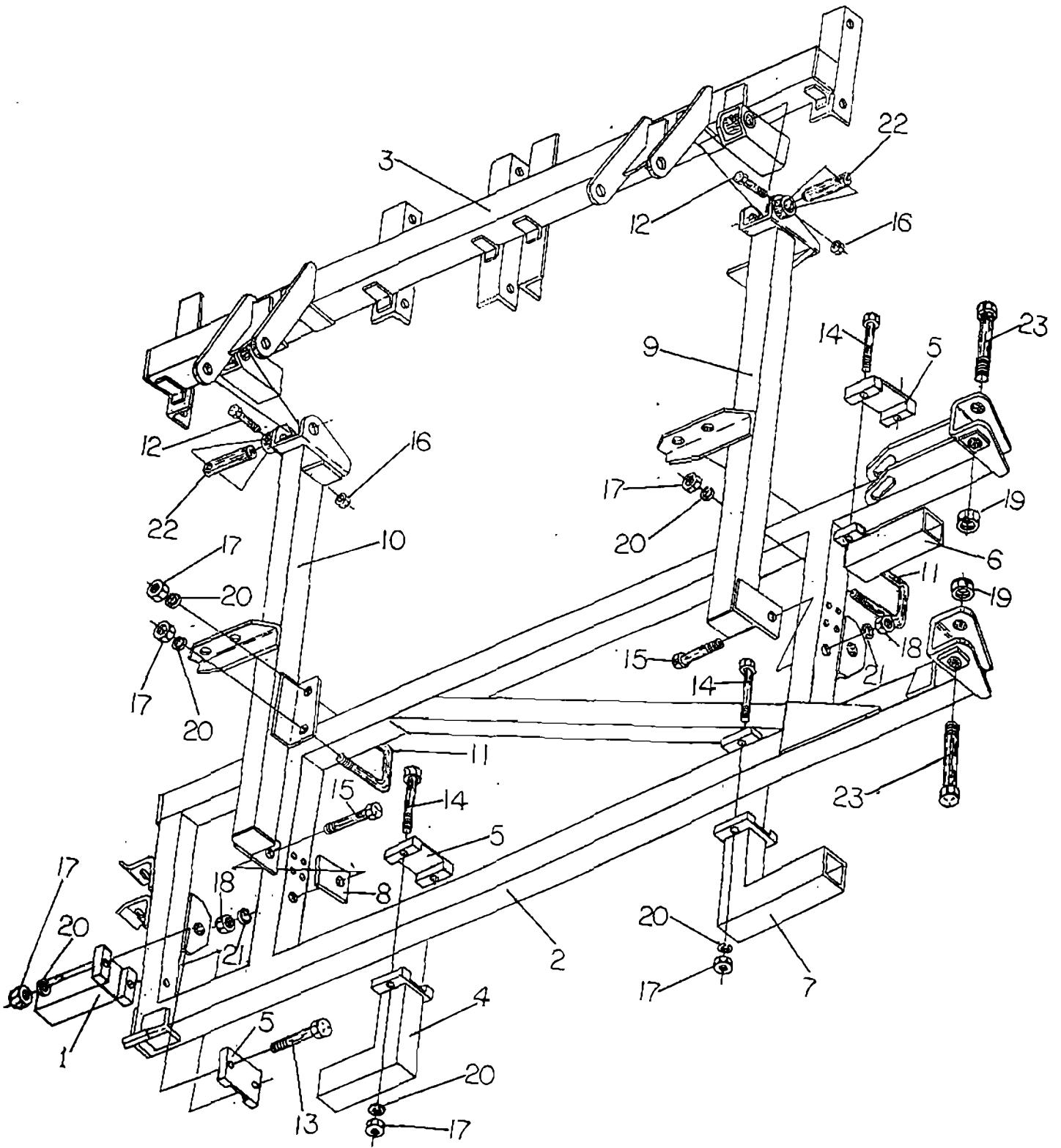
# Outer Wing Frame, Left, Shank Mounts, Lead Arms and Backbone



## Outer Wing Frame, Left, Shank Mounts, Lead Arms and Backbone

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                      |
|------------|-----------------|---|
| 1          | 0400-053        | Shank Mount, 11"                        |
| 2          | 0410-025        | Outer Wing Frame, 12ft - Left Hand      |
| 3          | 0410-069        | Shank Mount, 90                         |
| 4          | 0410-079        | Base Plate                              |
| 5          | 0410-109        | Shank Mount, 15 1/2"                    |
| 6          | 0410-110        | Backbone, 12ft - Outer Wing - Left Hand |
| 7          | 0410-157        | Shank Mount, 90                         |
| 8          | 0410-169        | Spacer                                  |
| 9          | 0410-186        | Lead Arm, Long - Right                  |
| 10         | 0410-189        | Lead Arm, Long - Left                   |
| 11         | 5214-002        | U Bolt                                  |
| 12         | 7112-066        | Capscrew, 3/8" NC x 2 1/2"              |
| 13         | 7114-045        | Capscrew, 5/8" NC x 4 1/2"              |
| 14         | 7114-055        | Capscrew, 5/8" NC x 5 1/2"              |
| 15         | 7115-075        | Capscrew, 3/4" NC x 5 1/2"              |
| 16         | 7722-110        | Lock Nut, 3/8" NC                       |
| 17         | 7724-005        | Hex Nut, 5/8" NC                        |
| 18         | 7725-002        | Hex Nut, 3/4" NC                        |
| 19         | 7726-012        | Lock Nut, 1" NC                         |
| 20         | 7844-020        | Lockwasher, 5/8"                        |
| 21         | 7845-020        | Lockwasher, 3/4"                        |
| 22         | 8026-033        | Pin, Backbone, 1" Dia                   |
| 23         | 8116-046        | Bolt, 1" NC x 7 7/8" - wNylock          |

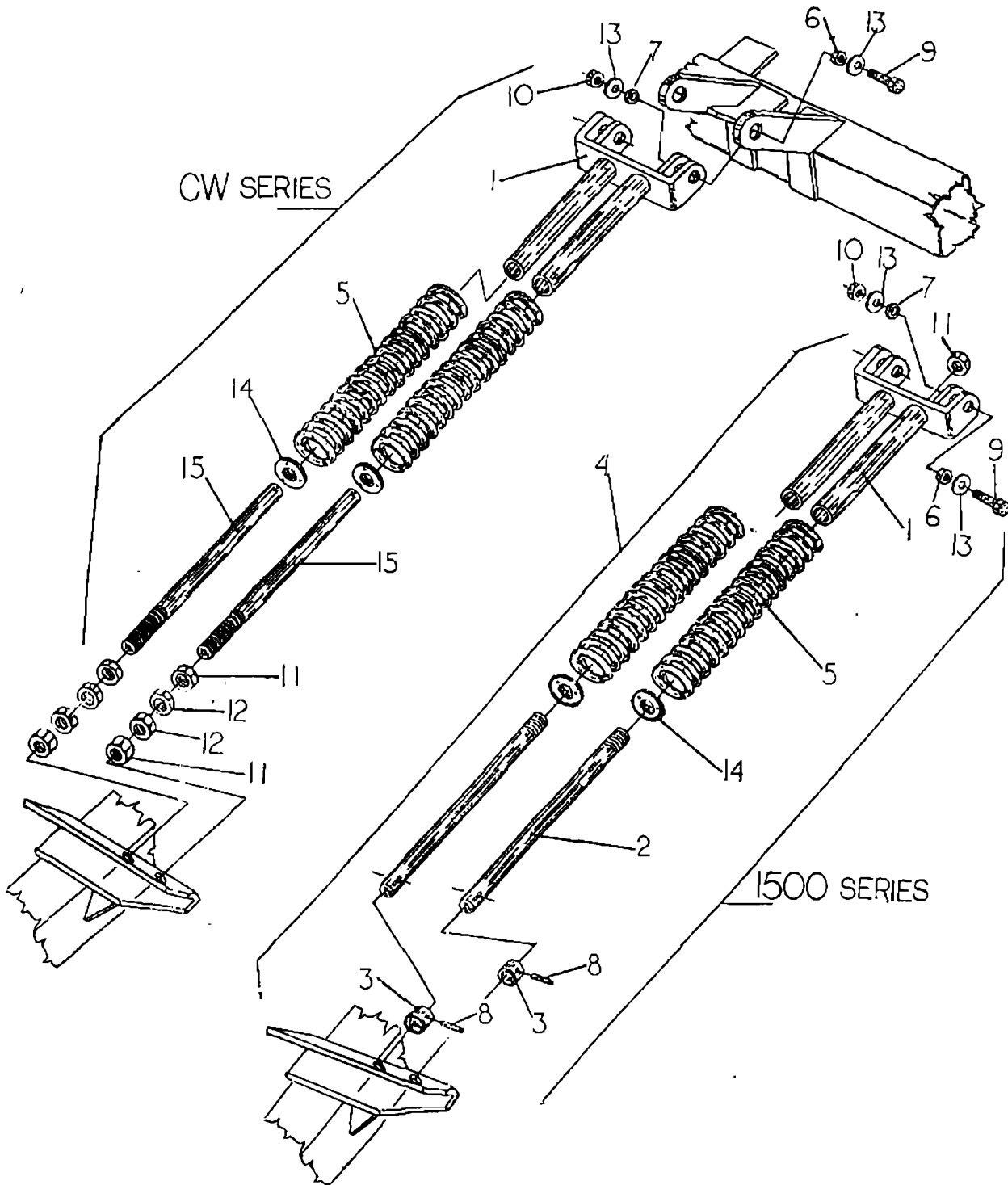
# Outer Wing Frame, Right, Shank Mounts, Lead Arms and Backbone



## Outer Wing Frame, Right, Shank Mounts, Lead Arms and Backbone

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                       |
|------------|-----------------|--|
| 1          | 0400-053        | Shank Mount, 11"                         |
| 2          | 0410-026        | Outer Wing frame, 12' - Right Hand       |
| 3          | 0410-052        | Backbone, 12' - Outer Wing - Right Hand  |
| 4          | 0410-069        | Shank Mount                              |
| 5          | 0410-079        | Base Plate                               |
| 6          | 0410-109        | Shank Mount, 15 1/2"                     |
| 7          | 0410-157        | Shank Mount, 14"                         |
| 8          | 0410-169        | Spacer                                   |
| 9          | 0410-185        | Lead Arm, Long - Left                    |
| 10         | 0410-190        | Lead Arm, Long - Right                   |
| 11         | 5214-002        | U Bolt                                   |
| 12         | 7112-066        | Capscrew, 3/8" NC x 2 1/2"               |
| 13         | 7114-045        | Capscrew, 5/8" NC x 4 1/2"               |
| 14         | 7114-055        | Capscrew, 5/8" NC x 5 1/2"               |
| 15         | 7115-075        | Capscrew, 3/4" NC x 5 1/2"               |
| 16         | 7722-110        | Lock Nut, 3/8" NC                        |
| 17         | 7724-005        | Hex Nut, 5/8" NC                         |
| 18         | 7725-002        | Hex Nut, 3/4" NC                         |
| 19         | 7726-012        | Lock Nut, 1" NC                          |
| 20         | 7844-020        | Lockwasher, 5/8"                         |
| 21         | 7845-020        | Lockwasher, 3/4"                         |
| 22         | 8026-033        | Pin, Backbone, 1" Dia                    |
| 23         | 8116-046        | Bolt, 1" NC x 7 7/8" - w/Nylock 7726-012 |

# SPRING CUSHION ASSEMBLY

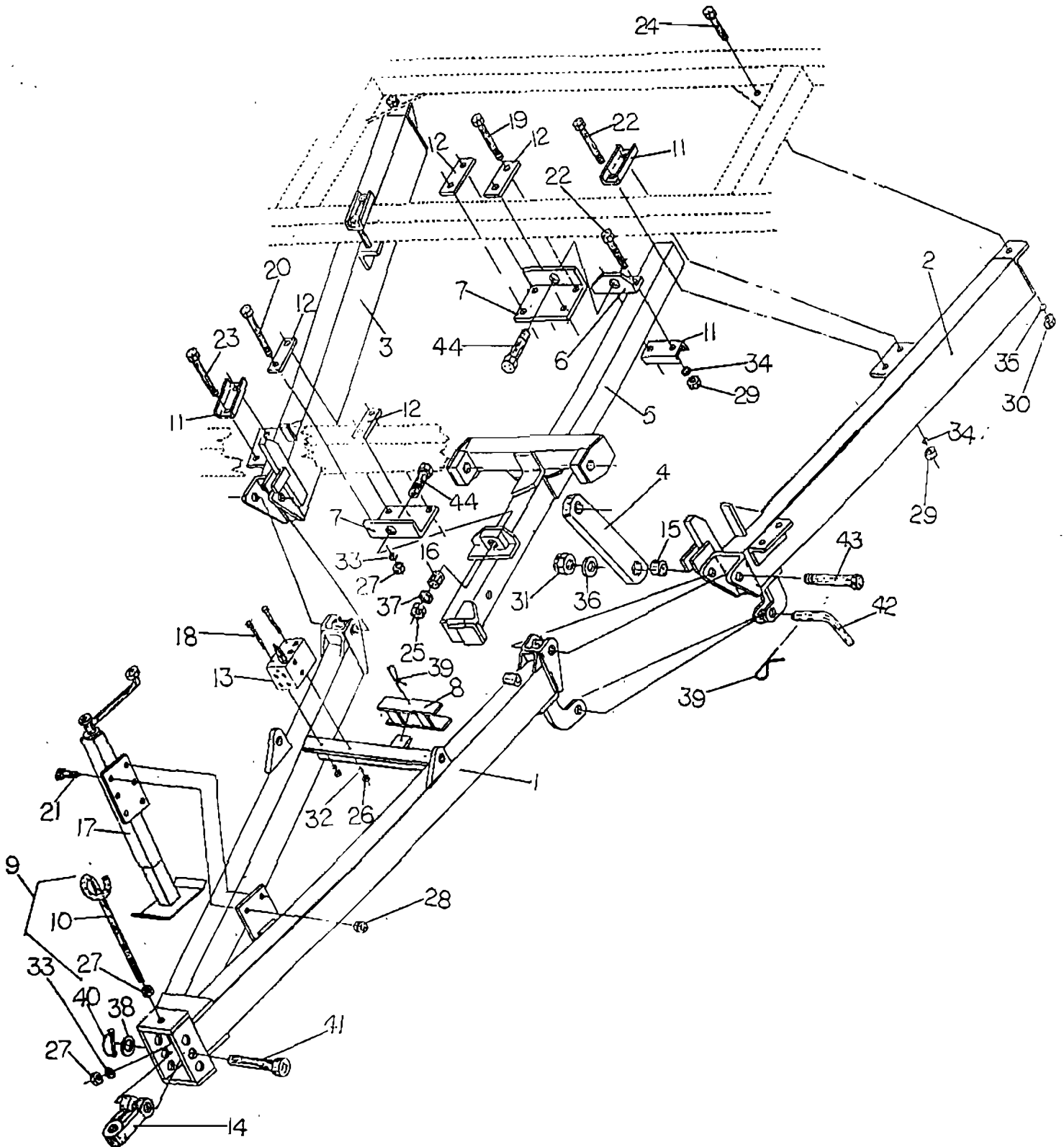




## SPRING CUSHION ASSEMBLY

| KEY | PART     | DESCRIPTION                        |
|-----|----------|------------------------------------|
| 1.  | 0410-040 | SPRING GUIDE                       |
| 2.  | 0410-041 | SPRING ROD (1500 SERIES)           |
| 3.  | 0410-042 | STOP, SPRING ROD                   |
| 4.  | 0410-525 | SPRING CUSHION ASSY. (1500 SERIES) |
| 5.  | 5114-001 | SPRING                             |
| 6.  | 6143-007 | BUSHING, 1" X 9/16"                |
| 7.  | 6144-001 | BUSHING, 1" X 7/16"                |
| 8.  | 7022-005 | ROLL PIN, 3/8" X 2"                |
| 9.  | 7114-111 | CAP SCREW, 5/8" NC X 2-1/4"        |
| 10. | 7723-119 | LOCK NUT, 5/8" NC                  |
| 11. | 7726-005 | HEX NUT, 1" NC                     |
| 12. | 7726-015 | JAM NUT, 1" NC                     |
| 13. | 7814-015 | FLAT WASHER, 5/8"                  |
| 14. | 8816-001 | SPRING RETAINER WASHER             |
| 15. | CW9-017  | SPRING ROD (CW SERIES)             |

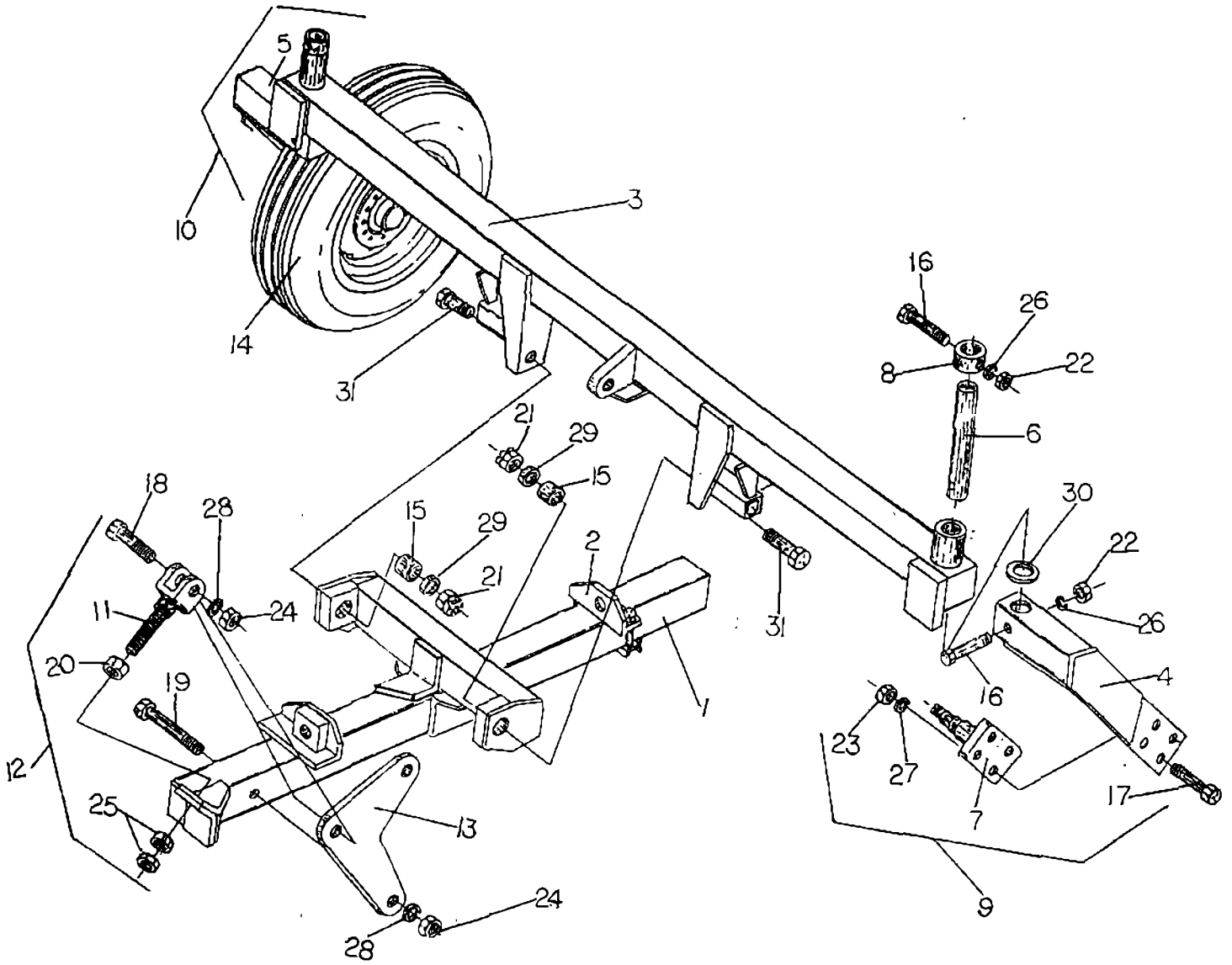
# Rolling tongue components



## Rolling tongue components

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                              |
|------------|-----------------|---|
| 1          | CW9-022         | Rolling Tongue, Front                           |
| 2          | CW9-023         | Rear Tongue, LH                                 |
| 3          | CW9-024         | Rear Tongue, RH                                 |
| 4          | CW9-025         | Lever Arm                                       |
| 5          | CW9-026         | Lower Swivel Arm                                |
| 6          | CW9-027         | Bearing Block                                   |
| 7          | CW9-028         | Pivot Mount                                     |
| 8          | CW9-043         | Cylinder Lock                                   |
| 9          | 0101-037        | Hydraulic Hose Mast Assembly                    |
| 10         | 0106-211        | Hydraulic Hose Mast                             |
| 11         | 0206-031        | Clamp Plate, 4-3/4" Span, 3/4", Formed          |
| 12         | 0440-201        | Backing Plate, 4-5/8" Span, 1/2" Bolts          |
| 13         | 5859-110        | Valve Block                                     |
| 14         | 5919-900        | Tongue Flapper, Cast                            |
| 15         | 6136-600        | Bushing, 1.25" OD x 1" ID x .094"               |
| 16         | 6136-627        | Bushing, 1.50" OD x 1.281" ID x 1.438"          |
| 17         | 6329-055        | Tongue Jack, Agricultural                       |
| 18         | 7111-050        | Capscrew, 5/16" NC x 5"                         |
| 19         | 7113-135        | Capscrew, 1/2" NC x 6"                          |
| 20         | 7113-144        | Capscrew, 1/2" NC x 8"                          |
| 21         | 7114-109        | Capscrew, 5/8" NC x 2"                          |
| 22         | 7115-076        | Capscrew, 3/4" NC x 6"                          |
| 23         | 7115-080        | Capscrew, 3/4" NC x 8"                          |
| 24         | 7116-025        | Capscrew, 1" NC x 2-1/2"                        |
| 25         | 7717-255        | Nylon Lock Nut, 1-1/4" NC                       |
| 26         | 7721-005        | Hex Nut, 5/16" NC                               |
| 27         | 7723-015        | Hex Nut, 1/2" NC                                |
| 28         | 7724-120        | Nylon Lock Nut, 5/8" NC                         |
| 29         | 7725-002        | Hex Nut, 3/4" NC                                |
| 30         | 7726-005        | Nex Nut, 1" NC                                  |
| 31         | 7726-012        | Nylon Lock Nut, 1" NC                           |
| 32         | 7841-015        | Lockwasher, 5/16"                               |
| 33         | 7843-015        | Lockwasher, 1/2"                                |
| 34         | 7845-020        | Lockwasher, 3/4"                                |
| 35         | 7846-020        | Lockwasher, 1"                                  |
| 36         | 7896-001        | Machine Bushing, 1" x 10GA NR                   |
| 37         | 7896-250        | Machine Bushing, 1-1/4" x 10GA NR               |
| 38         | 7896-500        | Machine Bushing, 1-1/2" x 10GA NR               |
| 39         | 7920-002        | Hitch Pin, #8                                   |
| 40         | 7920-010        | Driveline Lock Pin, 5/16" x 2" or 2-3/4"        |
| 41         | 8036-025        | Pin, Tongue Flapper, 1-1/2" x 5-13/16"          |
| 42         | 8036-801        | Pin, Wing Lock, 1" x 6-1/2"                     |
| 43         | 8116-046        | Bolt, 1" NC x 7-7/8", w/7726-012 Nylock Nut     |
| 44         | 8116-802        | Bolt, 1-1/4" NC x 3-5/8", w/7717-255 Nylock Nut |

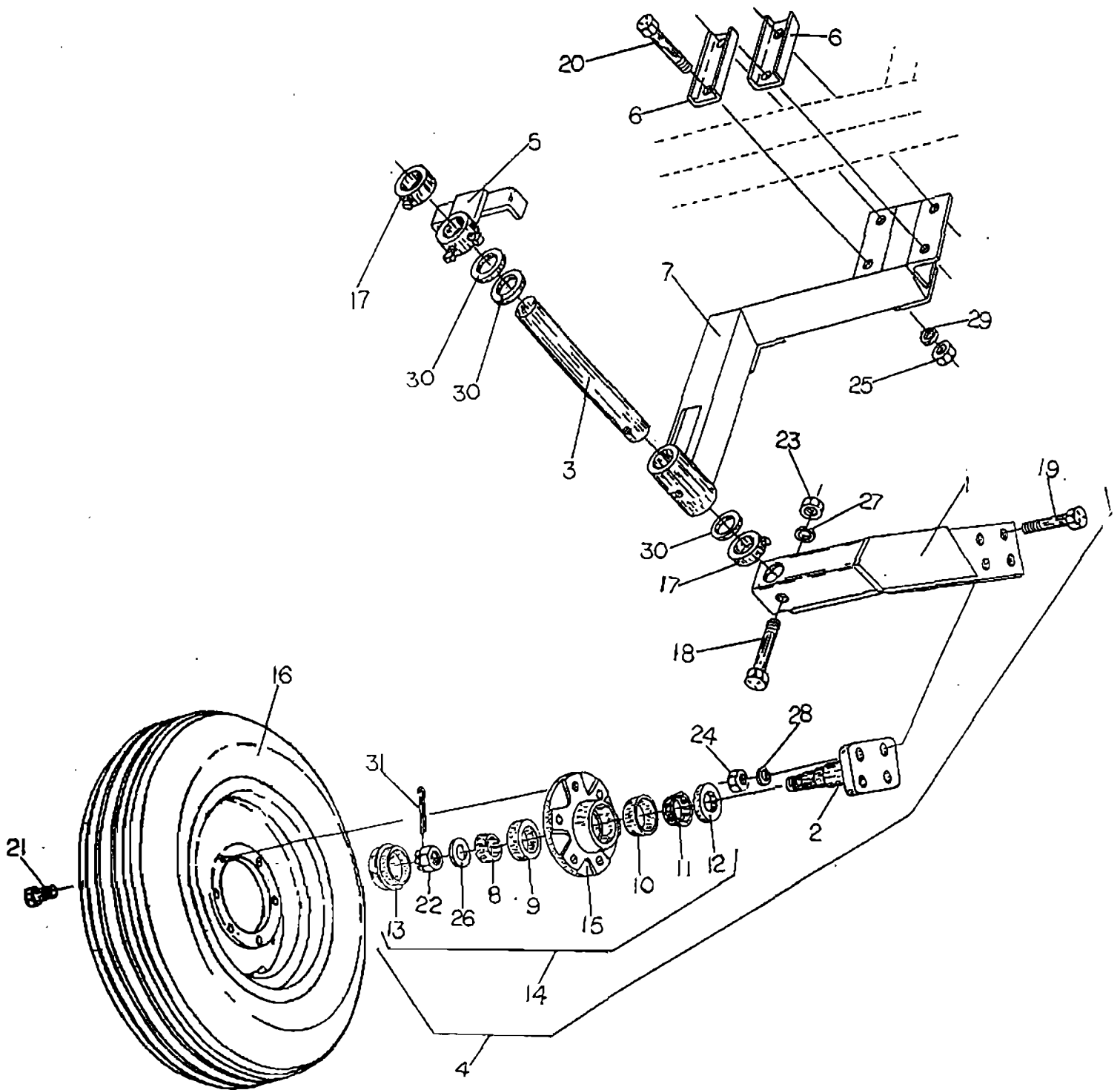
# Rolling tongue, Swivel arm components



## Rolling tongue, Swivel arm components

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                           |
|------------|-----------------|--|
| 1          | CW9-026         | Lower Swivel Arm                             |
| 2          | CW9-027         | Bearing Block                                |
| 3          | CW9-029         | Upper Swivel Arm                             |
| 4          | CW9-030         | Caster Wheel Leg, LH                         |
| 5          | CW9-031         | Caster Wheel Leg, RH                         |
| 6          | CW9-032         | Shaft, 1-5/8" x 12-7/8"                      |
| 7          | CW9-034         | Spindle Platform                             |
| 8          | CW9-038         | Shaft Collar, 1-5/8" ID                      |
| 9          | CW9-555         | Caster Wheel Leg Assembly, LH                |
| 10         | CW9-556         | Caster Wheel Leg Assembly, RH                |
| 11         | 0410-121        | Adjustable Link, 7/8"                        |
| 12         | 0410-581        | Adjustable Linkage Assembly                  |
| 13         | 0420-295        | Cylinder Pivot Arm                           |
| 14         | 5639-027        | Tire & Wheel, 7.60 x 15, 8 Ply Rib Implement |
| 15         | 6136-627        | Bushing, 1.5" OD x 1.281" ID x 1.438"        |
| 16         | 7113-121        | Capscrew, 1/2" NC x 3-3/4"                   |
| 17         | 7114-030        | Capscrew, 5/8" NC x 3-1/2"                   |
| 18         | 7115-025        | Capscrew, 3/4" NC x 2-1/2"                   |
| 19         | 7115-076        | Capscrew, 3/4" NC x 6"                       |
| 20         | 7715-871        | Hex Nut, 7/8" NC                             |
| 21         | 7717-255        | Nylon Lock Nut, 1-1/4" NC                    |
| 22         | 7723-015        | Hex Nut, 1/2" NC                             |
| 23         | 7724-005        | Hex Nut, 5/8" NC                             |
| 24         | 7725-002        | Hex Nut, 3/4" NC                             |
| 25         | 7725-138        | Jam Nut, 7/8" NC                             |
| 26         | 7843-015        | Lockwasher, 1/2"                             |
| 27         | 7844-020        | Lockwasher, 5/8"                             |
| 28         | 7845-020        | Lockwasher, 3/4"                             |
| 29         | 7896-250        | Machine Bushing, 1-1/4" 10GA NR              |
| 30         | 7897-015        | Machine Bushing, 1-5/8" 10GA NR              |
| 31         | 8116-802        | Bolt, 1-1/4" NC x 3-5/8" w/7717-255 Nylock   |

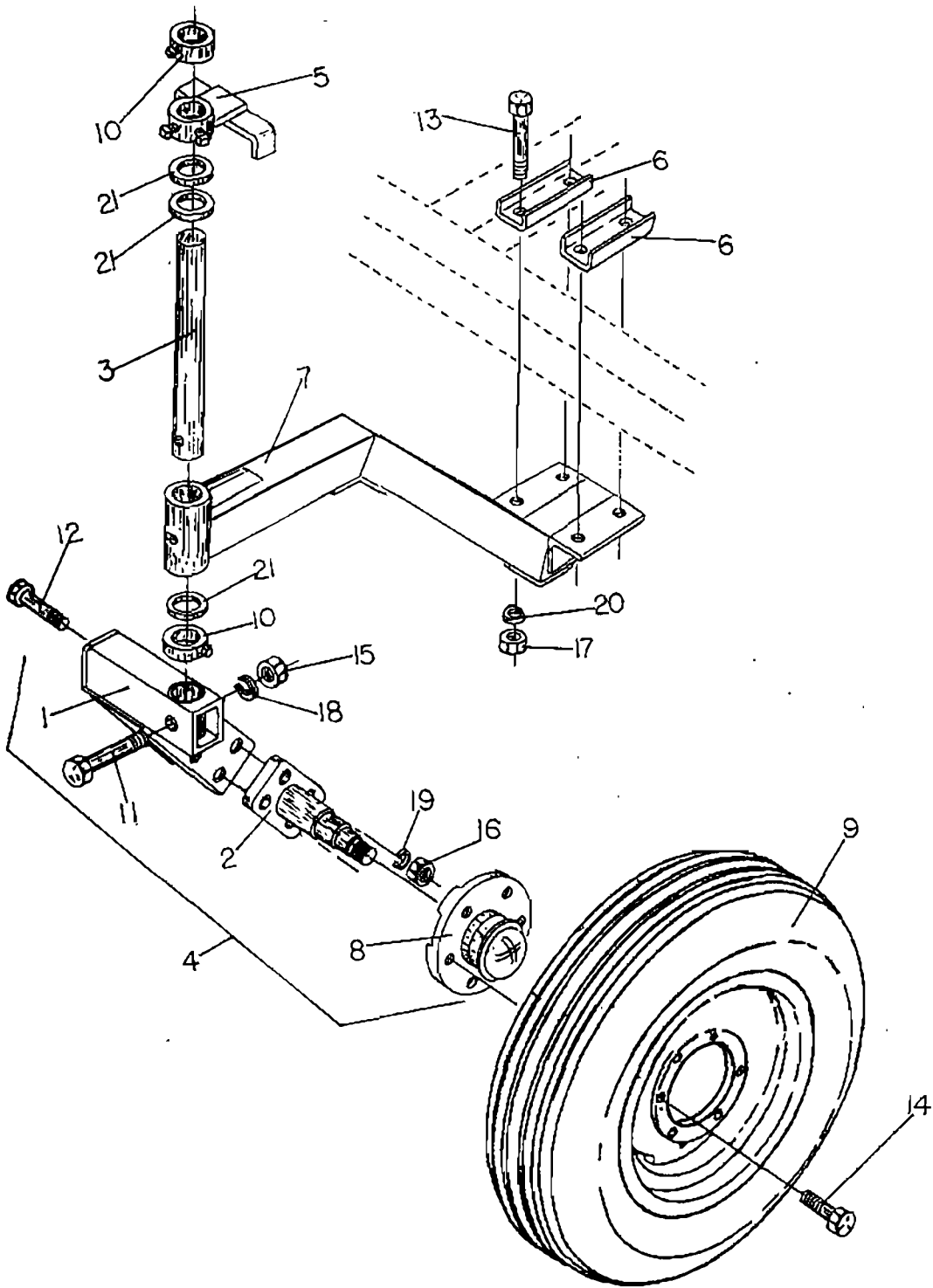
# Caster wheel leg assembly, Wing left



## Caster wheel leg assembly, Wing left

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                       |
|------------|-----------------|--|
| 1          | CW9-030         | Caster Wheel Leg, LH                     |
| 2          | CW9-034         | Spindle Platform                         |
| 3          | CW9-045         | Shaft, 1-5/8" x 18"                      |
| 4          | Cw9-555         | Caster Wheel Leg Assembly, LH            |
| 5          | 0200-147        | Limit Plate                              |
| 6          | 0206-031        | Clamp Plate, 4" Span, 3/4" Bolts, Formed |
| 7          | 0410-118        | Depth Wheel Arm                          |
| 8          | 5419-113        | Outer Bearing                            |
| 9          | 5419-118        | Outer Cup                                |
| 10         | 5419-141        | Inner Cup                                |
| 11         | 5419-142        | Inner Bearing                            |
| 12         | 5439-141        | Seal                                     |
| 13         | 5469-006        | Dust Cap                                 |
| 14         | 5619-021        | Hub Assembly, 6-Bolt                     |
| 15         | 5619-022        | Hub, 6 Bolt                              |
| 16         | 5639-029        | Tire & Wheel, 7.60 x 15, 8 Ply Rib       |
| 17         | 6487-007        | Set Collar, 1-11/16"                     |
| 18         | 7113-121        | Capscrew, 1/2" NC x 3-3/4"               |
| 19         | 7114-030        | Capscrew, 5/8" NC x 3-1/2"               |
| 20         | 7115-076        | Capscrew, 3/4" NC x 6"                   |
| 21         | 7333-006        | Lug Bolt, 1/2" x 1"                      |
| 22         | 7715-875        | Slotted Nut, 7/8" NF                     |
| 23         | 7723-015        | Hex Nut, 1/2" NC                         |
| 24         | 7724-005        | Hex Nut, 5/8" NC                         |
| 25         | 7725-002        | Hex Nut, 3/4" NC                         |
| 26         | 7815-014        | Flatwasher, 7/8" A-325 Hardened          |
| 27         | 7843-015        | Lockwasher, 1/2"                         |
| 28         | 7844-020        | Lockwasher, 5/8"                         |
| 29         | 7845-020        | Lockwasher, 3/4"                         |
| 30         | 7897-015        | Machine Bushing, 1-5/8" 10GA NR          |
| 31         | 7910-162        | Cotter Pin, 5/32 x 1-1/2"                |

# Caster wheel leg assembly, Wing right

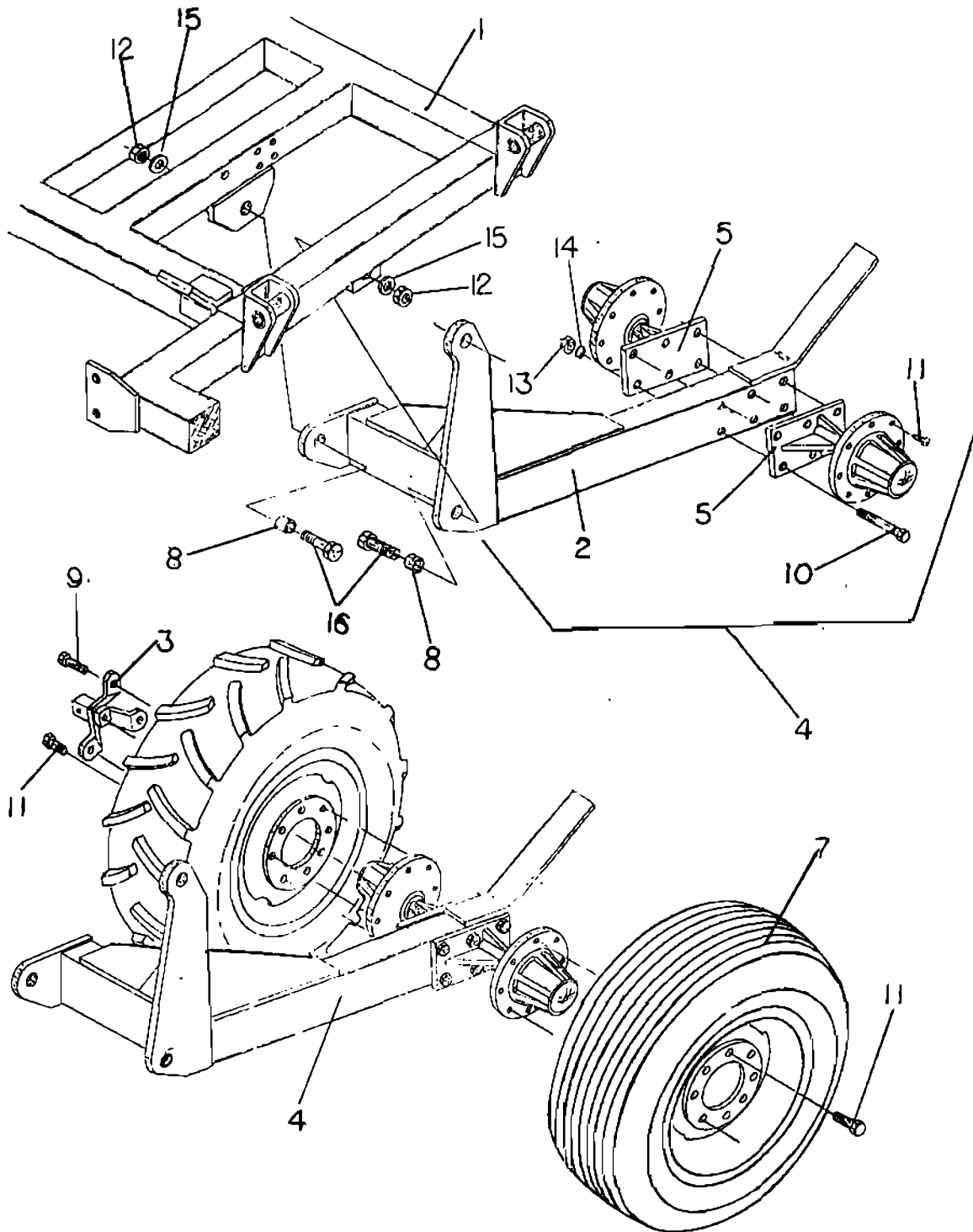




## Caster wheel leg assembly, Wing right

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                       |
|------------|-----------------|--|
| 1          | CW9-031         | Caster Wheel Leg, RH                     |
| 2          | CW9-034         | Spindle Platform                         |
| 3          | CW9-045         | Shaft, 1-5/8" x 18"                      |
| 4          | CW9-556         | Caster Wheel Leg Assembly, RH            |
| 5          | 0200-147        | Limit Plate                              |
| 6          | 0206-031        | Clamp Plate, 4" Span, 3/4" Bolts, Formed |
| 7          | 0410-118        | Depth Wheel Arm                          |
| 8          | 5619-021        | Hub Assembly, 6 Bolt                     |
| 9          | 5639-029        | Tire & Wheel, 7.60 x 15, 8 Ply Rib       |
| 10         | 6487-007        | Set Collar, 1-11/16"                     |
| 11         | 7113-121        | Capscrew, 1/2" NC x 3-3/4"               |
| 12         | 7114-030        | Capscrew, 5/8" NC x 3-1/2"               |
| 13         | 7115-076        | Capscrew, 3/4" NC x 6"                   |
| 14         | 7333-006        | Lug Bolt, 1/2" NF x 1"                   |
| 15         | 7723-015        | Hex Nut, 1/2" NC                         |
| 16         | 7724-005        | Hex Nut, 5/8" NC                         |
| 17         | 7725-002        | Hex Nut, 3/4" NC                         |
| 18         | 7843-015        | Lockwasher, 1/2"                         |
| 19         | 7844-020        | Lockwasher, 5/8"                         |
| 20         | 7845-020        | Lockwasher, 3/4"                         |
| 21         | 7897-015        | Machine Bushing, 1-5/8" 10GA NR          |

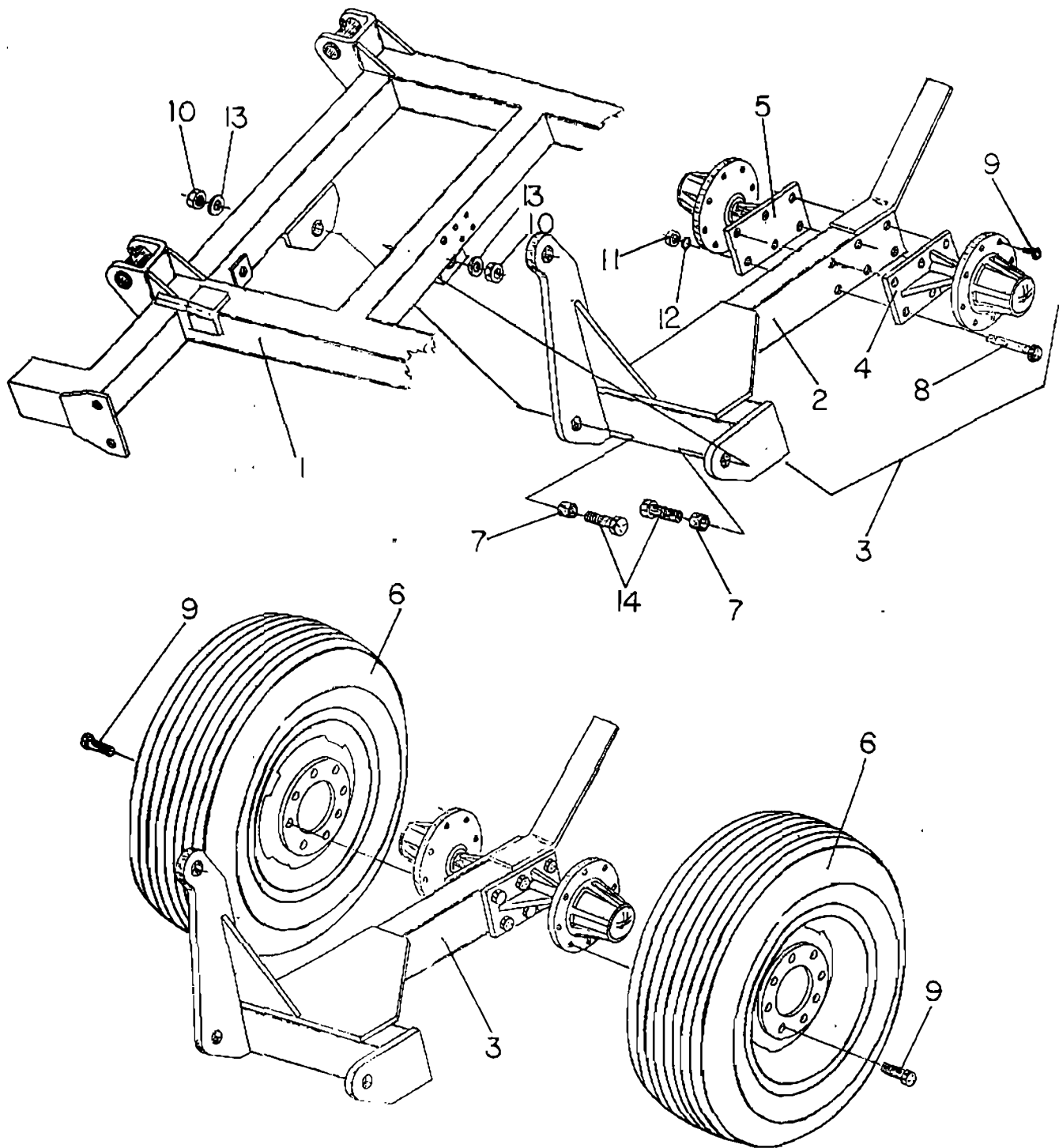
# Dual wheel leg assembly, Center frame left



## Dual wheel leg assembly, Center frame left

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>   |
|------------|-----------------|--|
| 1          | CW9-066         | Center Frame, 12', 5-Section                                 |
| 2          | 0410-023        | Wheel leg - Center Frame - Left                              |
| 3          | 0410-167        | Drive Basket, Heavy Duty                                     |
| 4          | 0410-376        | Dual Wheel Leg Assembly, Center Section, Left                |
| 5          | 0410-381        | <del>Hub Assembly, 8 Bolt spindle Platform Assembly LH</del> |
| 6          | 5639-034        | Wheel & Tire Mounted, Traction, 8 Bolt                       |
| 7          | 5639-035        | Wheel & Tire Mounted, Rib Implement, 8 Bolt                  |
| 8          | 6136-675        | Bushing, 1.75" OD x 1.53" ID x 1.438"                        |
| 9          | 7113-256        | Cap Screw, 9/16" NF x 1 3/4"                                 |
| 10         | 7115-075        | Cap Screw, 3/4" NC x 5 1/2"                                  |
| 11         | 7333-009        | Lug Bolt, 9/16" NF x 1 1/4"                                  |
| 12         | 7717-555        | Nylon Lock Nut, 1 1/2" NC                                    |
| 13         | 7725-002        | Hex Nut, 3/4" NC   |
| 14         | 7845-020        | Lock Washer, 3/4"  |
| 15         | 7896-500        | Machine Bushing, 1 1/2" x 10 GA - NR                         |
| 16         | 8117-003        | Bolt, 1 1/2" NC x 4 1/2" -w/Nylock                           |

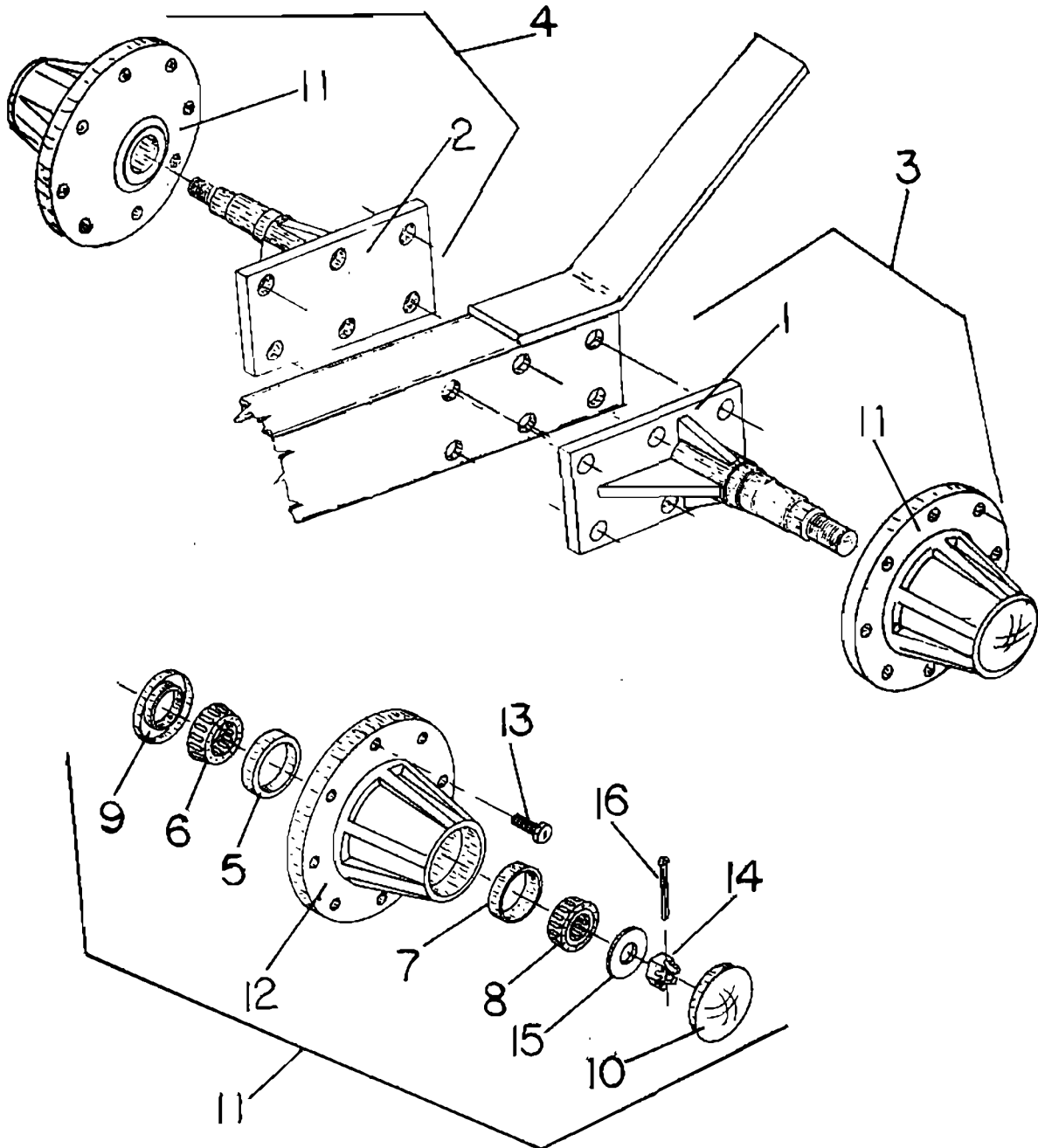
# Dual wheel leg assembly, Center frame right



## Dual wheel leg assembly, Center frame right

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                              |
|------------|-----------------|---|
| 1          | CW9-066         | Center Frame, 12', 5-Section                    |
| 2          | 0410-024        | Wheel Leg, Center Frame, - Right                |
| 3          | 0410-377        | Dual Wheel Leg Assembly, Center, Section, Right |
| 4          | 0410-381        | Hub/Spindle Assembly, 8 Bolt - Left             |
| 5          | 0410-382        | Hub/Spindle Assembly, 8 Bolt - Right            |
| 6          | 5639-035        | Wheel & Tire Mounted, Ribbed Implement - 8 Bolt |
| 7          | 6136-675        | Bushing, 1.75" OD x 1.53" ID x 1.438"           |
| 8          | 7115-075        | Cap Screw, 3/4" NC x 5 1/2"                     |
| 9          | 7333-009        | Lub Bolt, 9/16" NF x 1 1/4"                     |
| 10         | 7717-555        | Nylock Nut, 1 1/2" NC                           |
| 11         | 7725-002        | Hex Nut, 3/4" NC                                |
| 12         | 7845-020        | Lock Washer, 3/4"                               |
| 13         | 7896-500        | Machine Bushing, 1 1/2" NC x 4 1/2"             |
| 14         | 8117-003        | Bolt, 1 1/2" NC x 4 1/2" w/Nylock 7717-555      |

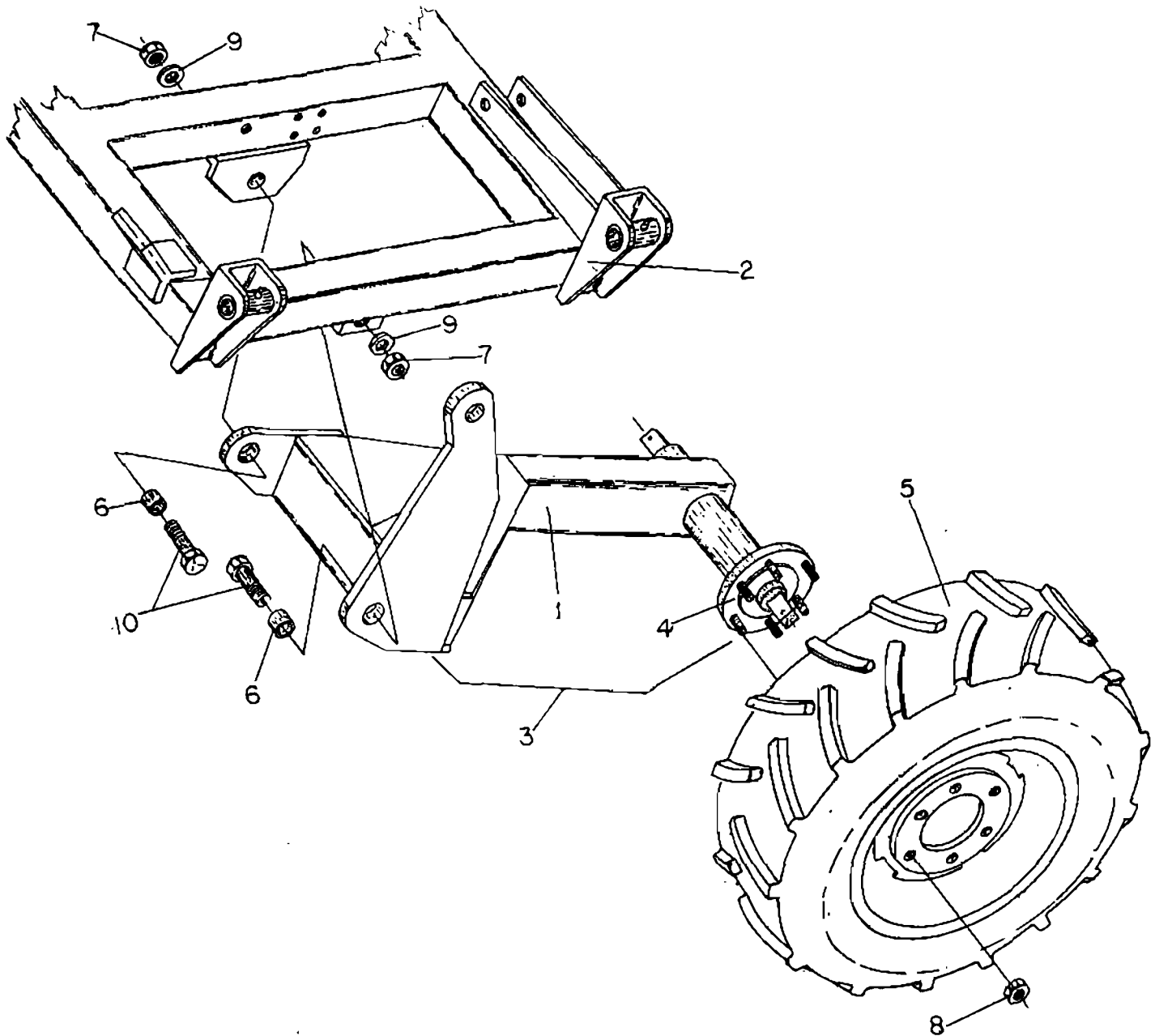
# Spindle platform assembly



## Spindle platform assembly

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                |
|------------|-----------------|-----------------------------------|
| 1          | 0410-165        | Spindle Platform Only, Left       |
| 2          | 0410-166        | Spindle Platform Only, Right      |
| 3          | 0410-381        | Spindle Platform Assembly - Left  |
| 4          | 0410-382        | Spindle Platform Assembly - Right |
| 5          | 5419-122        | Race                              |
| 6          | 5419-152        | Bearing                           |
| 7          | 5419-153        | Race                              |
| 8          | 5419-154        | Bearing                           |
| 9          | 5439-151        | Seal                              |
| 10         | 5469-013        | Dust Cap, 8 Bolt                  |
| 11         | 5619-025        | Hub Assembly                      |
| 12         | 5619-026        | 8 - Bolt Hub                      |
| 13         | 7333-009        | Lug Bolt, 9/16" NF x 1 1/4"       |
| 14         | 7715-875        | Slotted Nut                       |
| 15         | 7815-025        | Flat Washer                       |
| 16         | 7910-162        | Cotter Pin, 5/32" x 1 1/2"        |

# Wing wheel leg assembly, Inner wing left

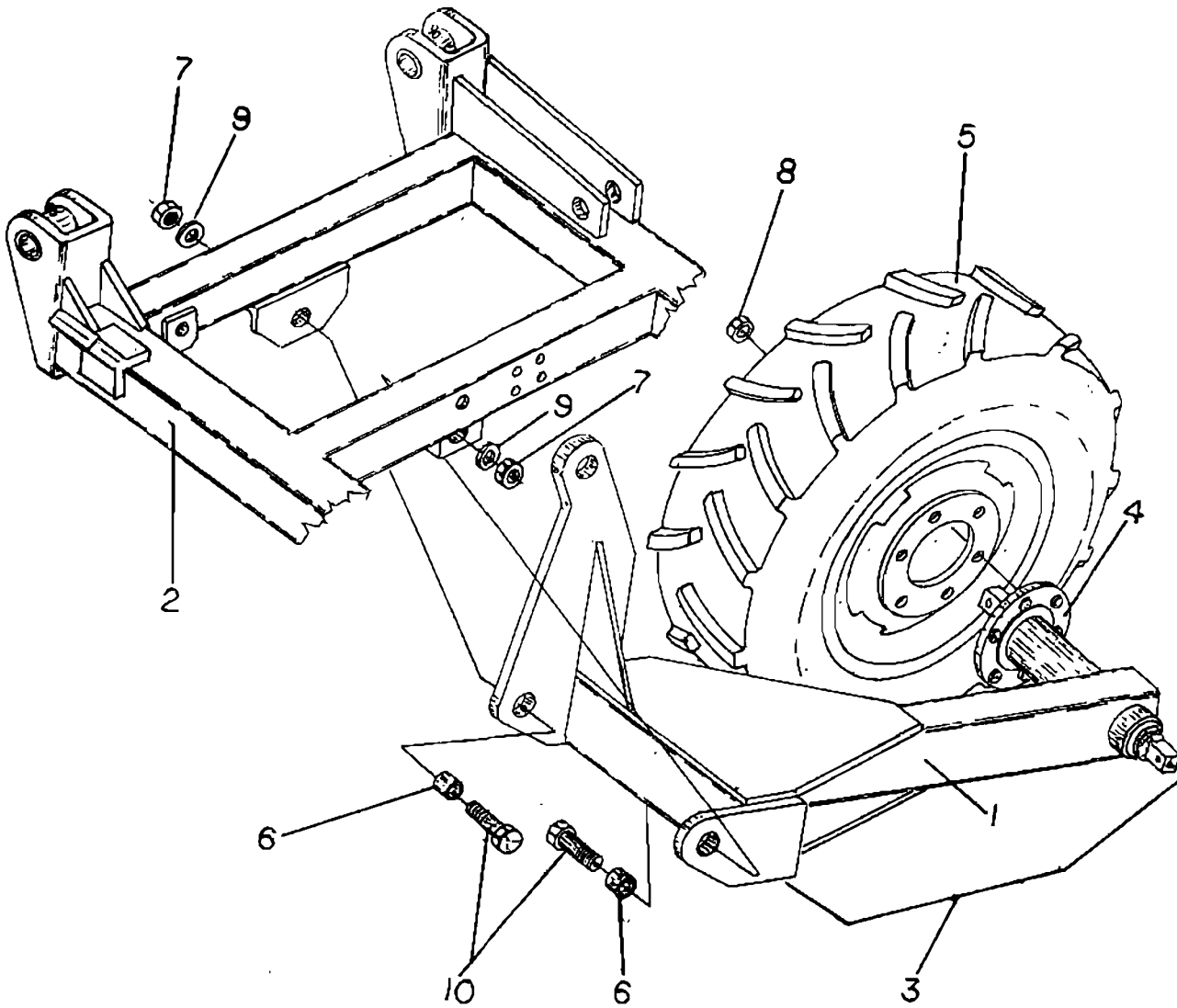




## Wing wheel leg assembly, Inner wing left

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                           |
|------------|-----------------|--|
| 1          | 0410-014        | Wing Wheel Leg, Left                         |
| 2          | 0410-027        | Inner Wing, 12', Left (50'&60'Culta-Weeder)  |
| 3          | 0410-514        | Wing Wheel Leg Assembly, Left                |
| 4          | 0410-574        | Live Axle Assembly, 6 Bolt                   |
| 5          | 5639-030        | Wheel & Tire, Mounted, Traction, Live Axle   |
| 6          | 6136-627        | Bushing, 1 1/2" OD x 1 9/32 ID x 1 7/16"     |
| 7          | 7717-255        | Lock Nut, 1/2" NC                            |
| 8          | 7733-001        | Lug Nut, 1/2" NF                             |
| 9          | 7896-250        | Machine Bushing, 1 1/4"                      |
| 10         | 8116-802        | Bolt, 1 1/4" NC x 3 5/8" w/ Nylock, 7717-255 |

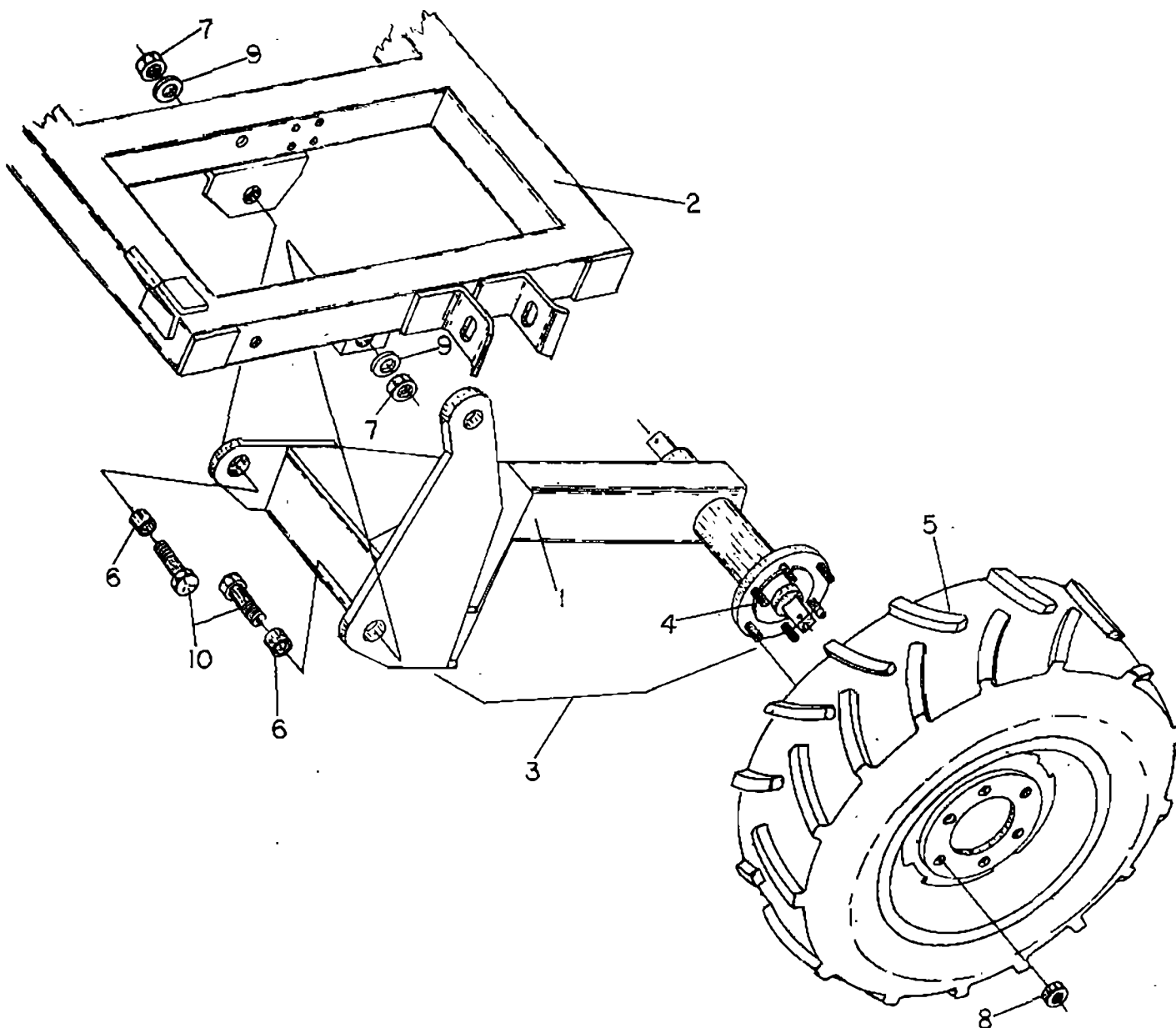
# Wing wheel leg assembly, Inner wing right



## Wing wheel leg assembly, Inner wing right

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                         |
|------------|-----------------|--|
| 1          | 0410-013        | Wing Wheel Leg, Right, Live Axle           |
| 2          | 0410-028        | Inner Wing, 12' - Right (50'&60'CW)        |
| 3          | 0410-513        | Wing Wheel Leg Assembly, Right             |
| 4          | 0410-574        | Live Axle Assembly                         |
| 5          | 5639-031        | Wheel & Tire Mounted, Traction, Live Axle  |
| 6          | 6136-627        | Bushing, 1 1/2" OD x 1 9/32" ID x 1 7/16"  |
| 7          | 7717-255        | Nylon Lock Nut, 1 1/4" NC                  |
| 8          | 7733-001        | Lug Nut, 1/2 NF                            |
| 9          | 7896-250        | Machine Bushing, 1 1/4"                    |
| 10         | 8116-802        | Bolt, 1 1/4 NC x 3 5/8" W/ Nylock 7715-255 |

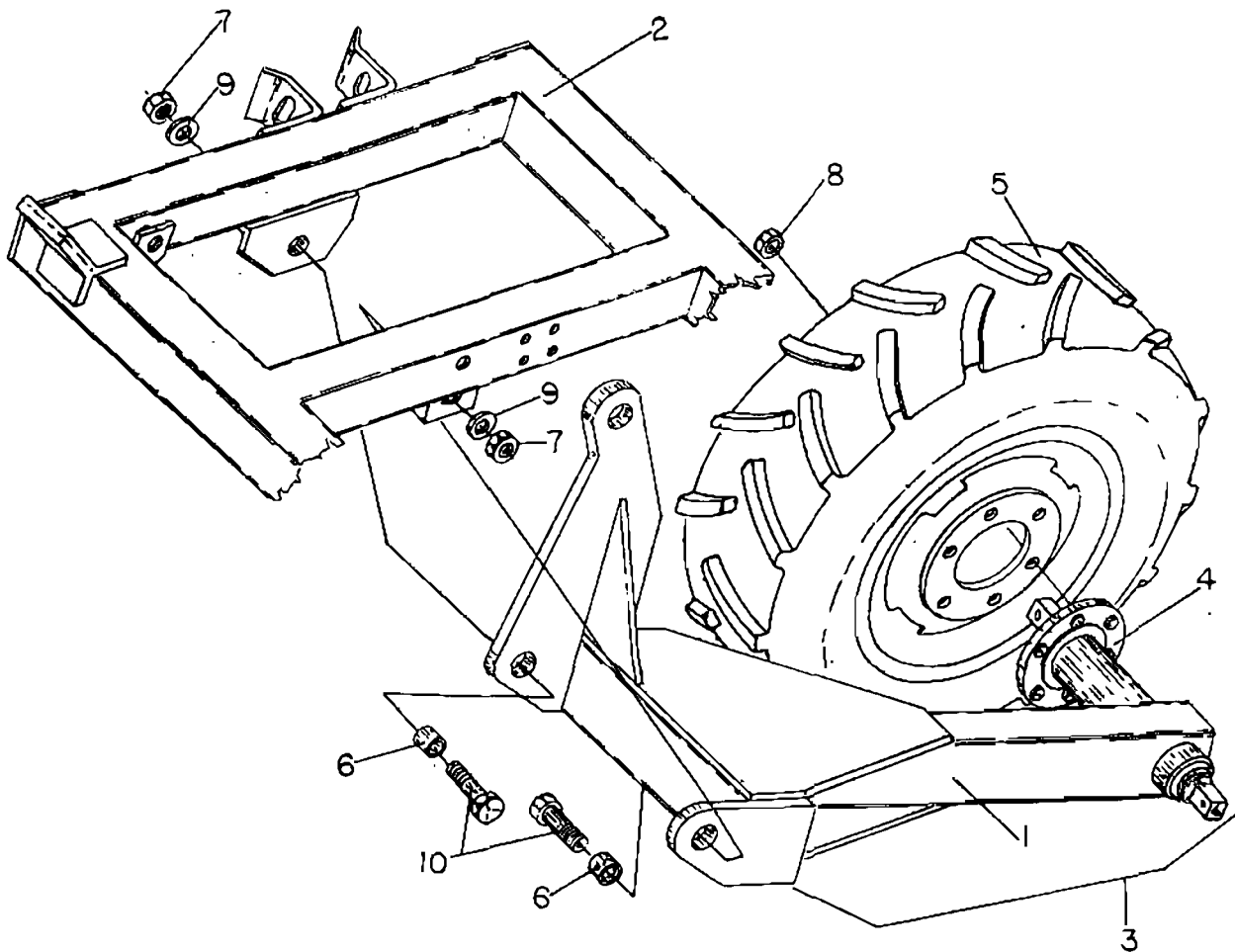
# Wing wheel leg assembly, Outer wing left



## Wing wheel leg assembly, Outer wing, left

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                         |
|------------|-----------------|--|
| 1          | 0410-014        | Wing Wheel Leg, Left, Live Axle            |
| 2          | 0410-025        | Outer Wing Frame, Left, 12'                |
| 3          | 0410-514        | Wing Wheel Leg Assembly, Left              |
| 4          | 0410-574        | Live Axle Assembly, 6 Bolt                 |
| 5          | 5639-030        | Wheel & Tire Mounted, Traction, Live Axle  |
| 6          | 6136-627        | Bushing, 1 1/2" OD x 1 9/32" ID x 1 7/16"  |
| 7          | 7717-255        | Nylo Lock Nut, 1 1/4" NC                   |
| 8          | 7733-001        | Lug Nut, 1/2" NF                           |
| 9          | 7896-250        | Machine Bushing, 1 1/4                     |
| 10         | 8116-802        | Bolt, 1 1/4 NC x 3 5/8" w/ Nylock 7717-255 |

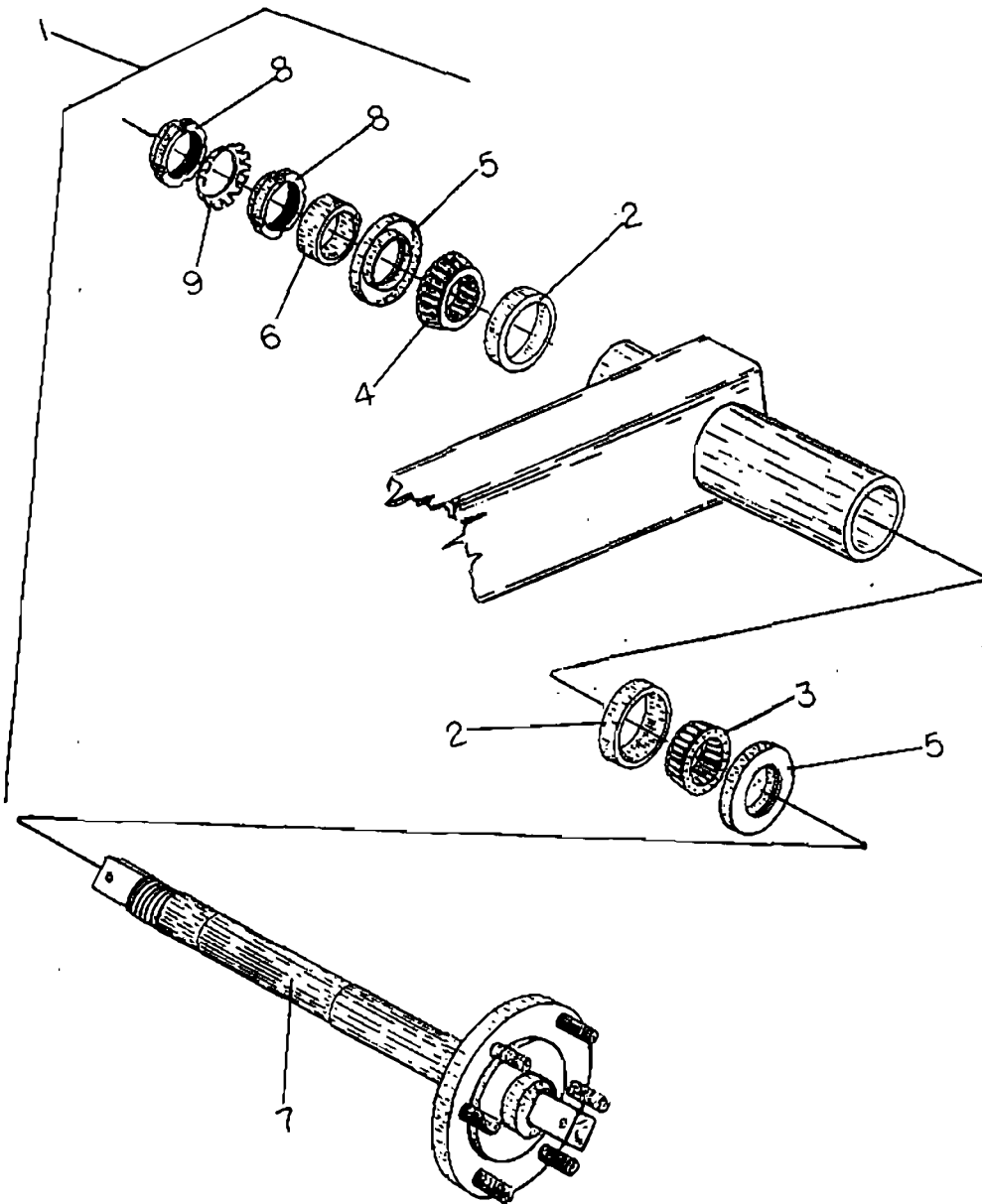
# Wing wheel leg assembly, Outer wing right



## Wing wheel leg assembly, Outer wing right

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                         |
|------------|-----------------|--|
| 1          | 0410-013        | Wing Wheel Leg, Right, Live Axle           |
| 2          | 0410-026        | Outer Wing, 12', Right (60'CW)             |
| 3          | 0410-513        | Wing Wheel Leg Assembly, Right             |
| 4          | 0410-574        | Live Axle Assembly, 6 Bolt                 |
| 5          | 5639-031        | Wheel & Tire Mounted, Traction, Live Axle  |
| 6          | 6136-627        | Bushing, 1 1/2" OD x 1 9/32" ID x 1 7/16"  |
| 7          | 7717-255        | Nylon Lock Nut, 1 1/4" NC                  |
| 8          | 7733-001        | Lug Nut, 1 1/4" NC                         |
| 9          | 7896-250        | Machine Bushing, 1 1/4" NC                 |
| 10         | 8116-802        | Bolt, 1 1/4" NC x 3 5/8 W/ Nylock 7717-255 |

# Live axle assembly

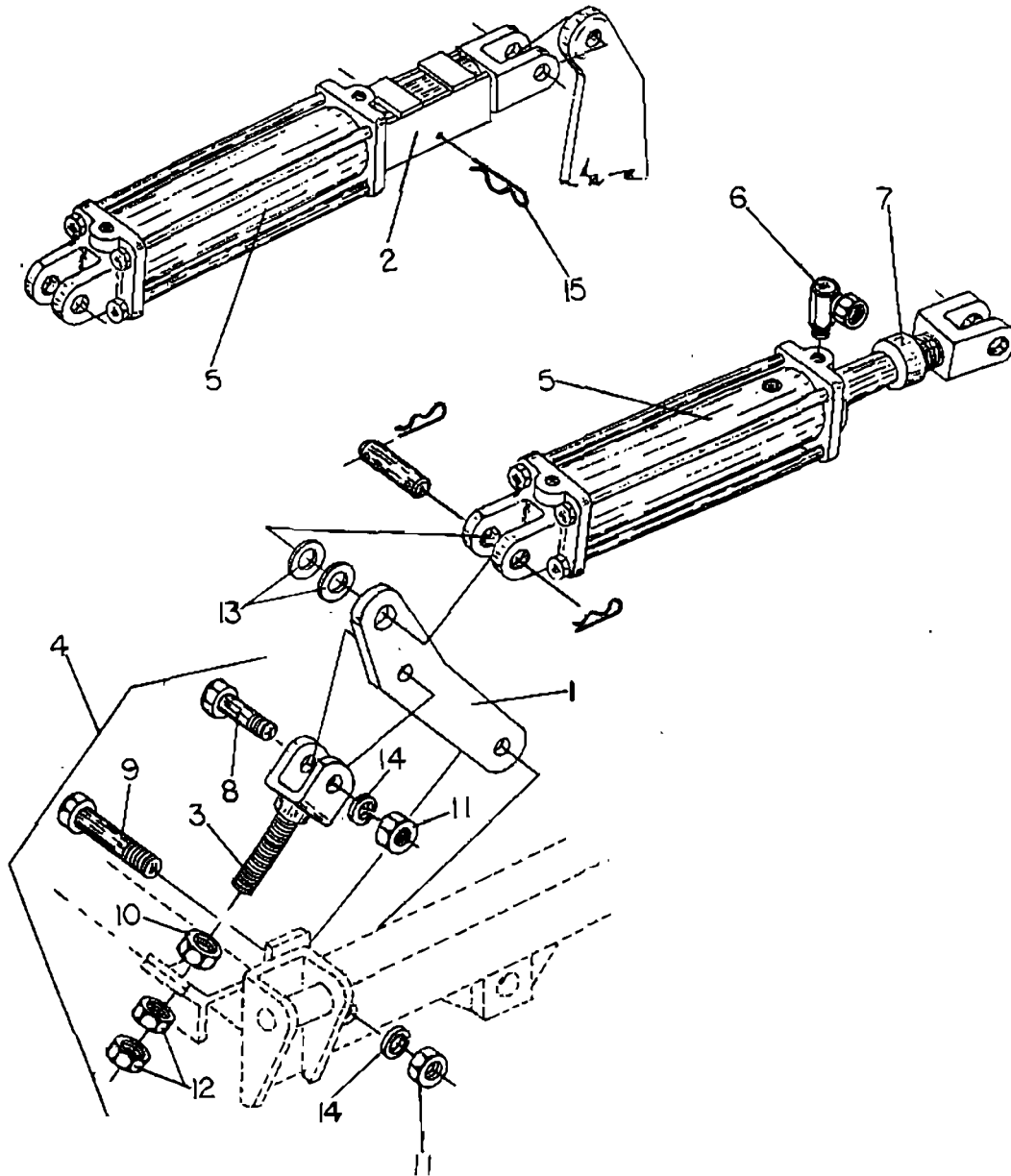




## Live axle assembly

| <u>Key</u> | <u>Part no.</u> | <u>Description</u>                   |
|------------|-----------------|--------------------------------------|
| 1          | 0410-574        | Live axle assembly                   |
| 2          | 5419-125        | Cup, wing wheel leg assembly         |
| 3          | 5419-126        | Bearing, wing wheel leg assembly     |
| 4          | 5419-127        | Bearing, wing wheel leg assembly     |
| 5          | 5439-020        | Seal, wing wheel leg assembly        |
| 6          | 6137-012        | Spacer, seal collar                  |
| 7          | 6577-024        | Live axle shaft, W/ hub & studs      |
| -          | 7333-001        | Lug bolts [ studs], 1/2" NF x 1 3/4" |
| -          | 7733-001        | Lug nut, 1/2"                        |
| 8          | 7707-001        | Lock nut, N-08                       |
| 9          | 7807-001        | Ear washer, W-08                     |

# Adjustable linkage assembly & Cylinder locks



## Adjustable linkage assembly & Cylinder locks

| Key  | Part no. | Description   |
|------|----------|---|
| 1    | 0400-025 | Pivot arm   |
| 2    | 0410-103 | Cylinder lock, 8 5/8" Used W/ cylinders#<br>5819-060 & 5819-061 |
| -    | CW9-043  | Cylinder lock, Used W/ cylinders #<br>5818-600 & 5819-057       |
| 3    | 0410-121 | Adjustable link   |
| 4    | 0410-581 | Adjustable link assembly  |
| *5   | 5819-055 | Hydraulic cylinder, rephase 3-1/4 x 8                           |
|      | 5819-056 | Hydraulic cylinder, rephase 3-1/2 x 8                           |
|      | 5819-057 | Hydraulic cylinder, rephase 3-3/4 x 8                           |
|      | 5819-058 | Hydraulic cylinder, rephase 4 x 8                               |
|      | 5819-059 | Hydraulic cylinder, rephase 4-1/2 x 8                           |
|      | 5819-060 | Hydraulic cylinder, rephase 4-3/4 x 8                           |
|      | 5819-061 | Hydraulic cylinder, rephase 5 x 8                               |
| 6    | 5846-095 | 1/2" O-Ring 90 degree swivel union                              |
| 7    | 6146-013 | Cylinder spacer bushing   |
| 8    | 7115-025 | Capscrew, 3/4" NC x 2 1/2"                                      |
| 9    | 7115-050 | Capscrew, 3/4" NC x 5"  |
| 10   | 7715-871 | Hex nut, 7/8" NC  |
| 11   | 7725-002 | Hex nut, 3/4" NC  |
| 12   | 7725-138 | Jam nut hex, 7/8" NC  |
| **13 | 7816-020 | Flat washer, 1"   |
| 14   | 7845-020 | Lock washer, 3/4"   |
| 15   | 7920-002 | Hitch pin, # 8 cylinder lock                                    |

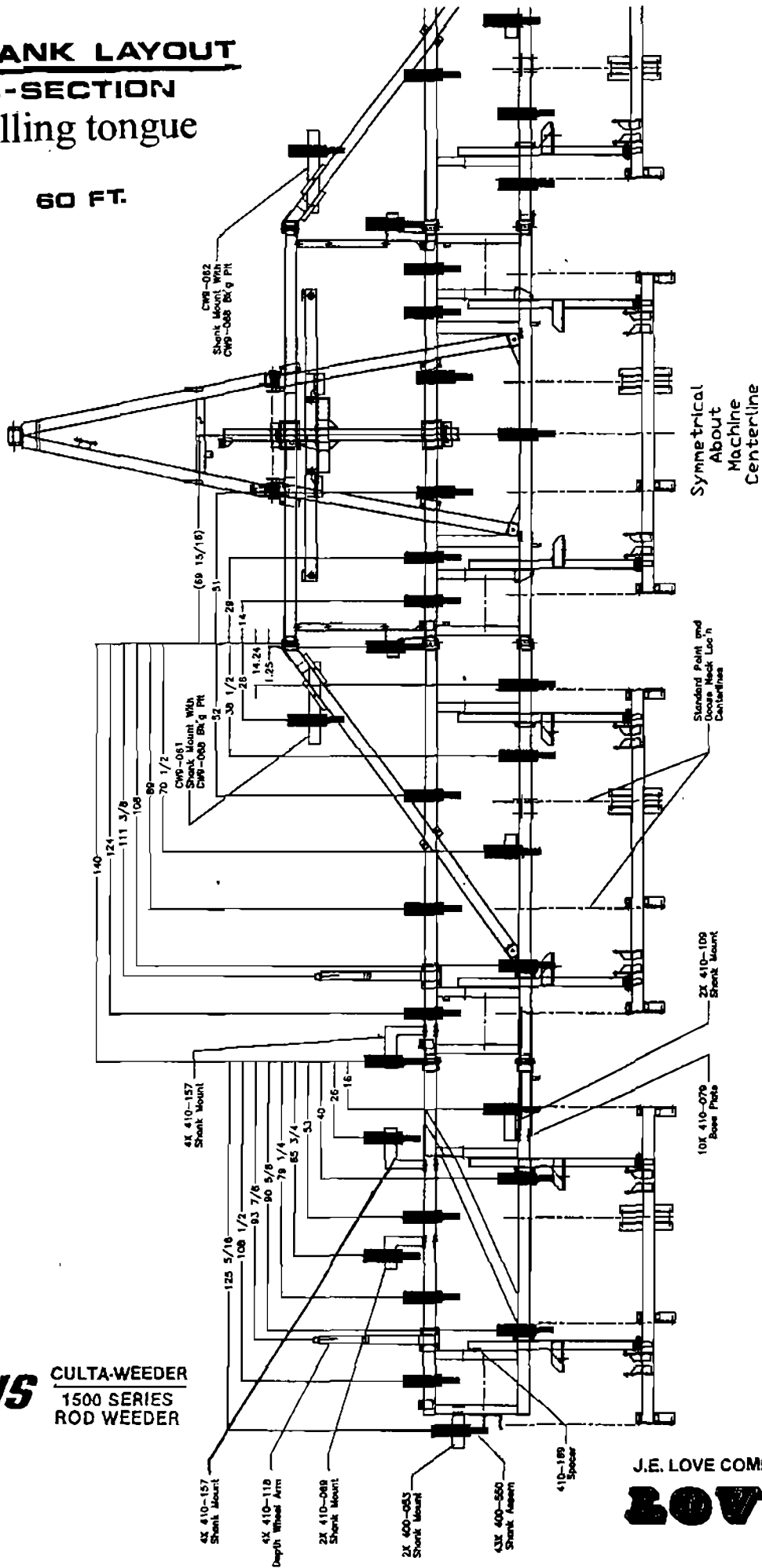
\* Refer to Hydraulic cylinder placement for additional information

\*\* Washers are positioned away from hinge



**SHANK LAYOUT**  
**5-SECTION**  
**Rolling tongue**

60 FT.

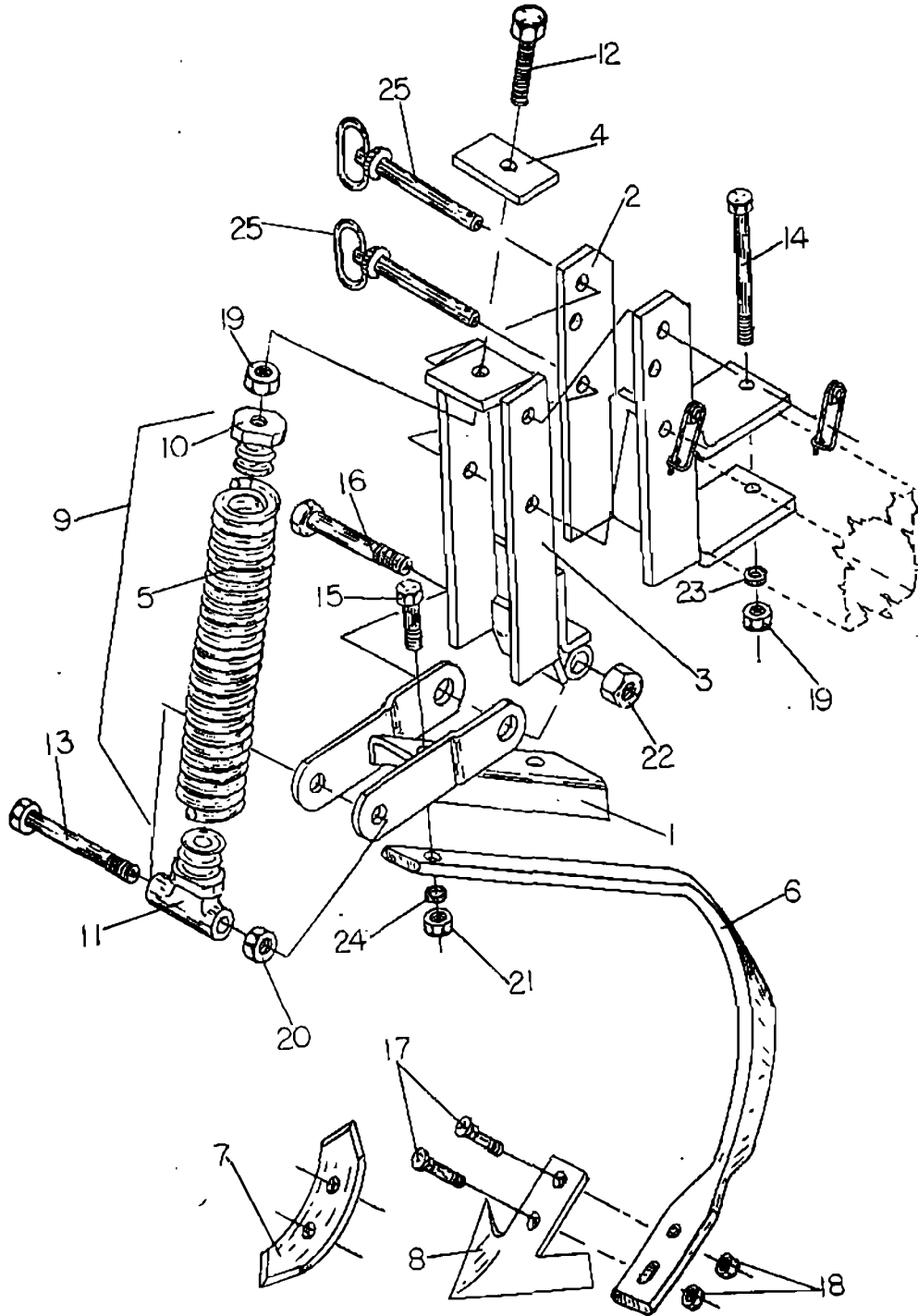


**GALKINS** **CULTA-WEEDER**  
**1500 SERIES**  
**ROD WEEDER**

J.E. LOVE COMPANY

**LOVE**®

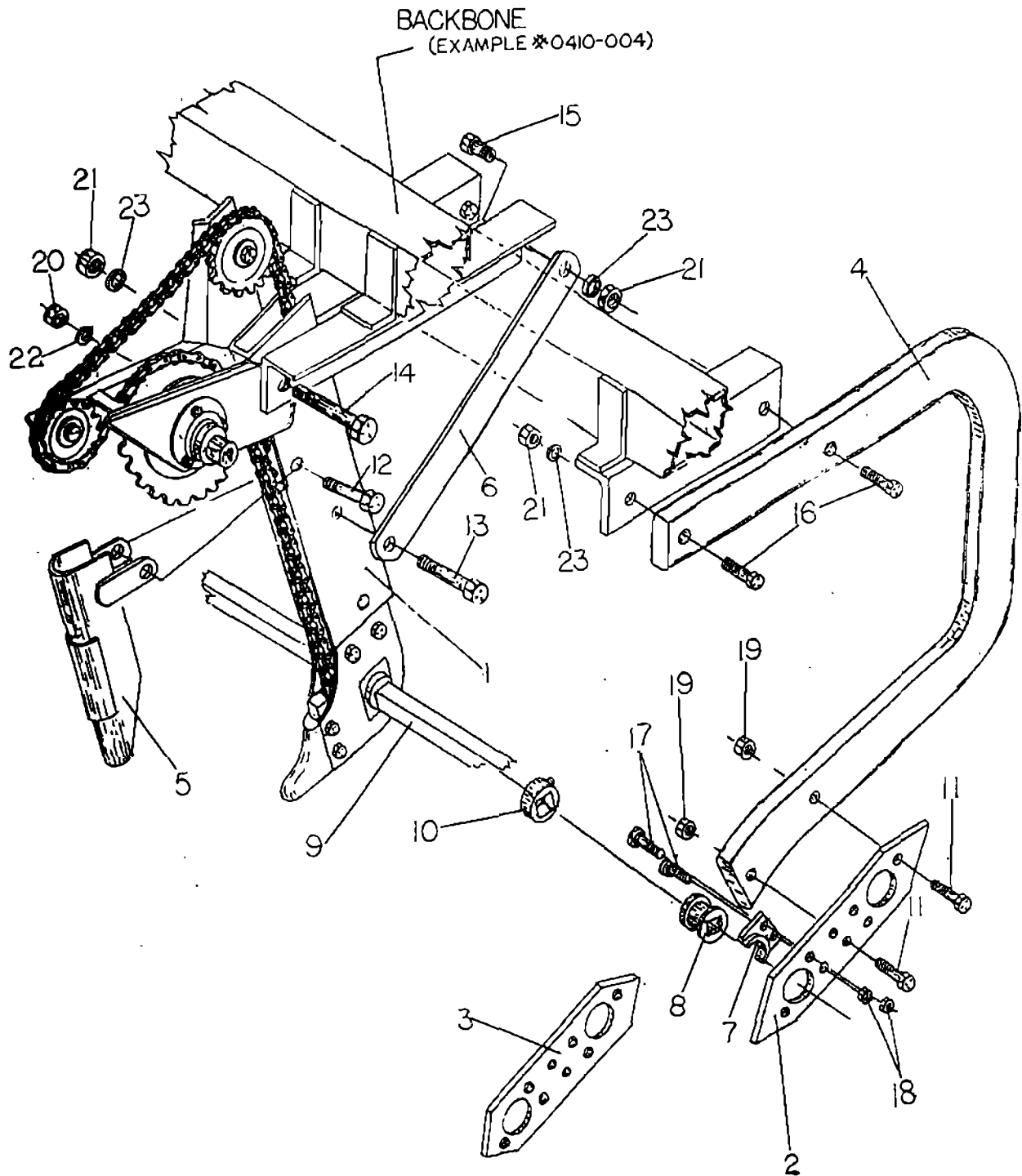
# Rotating shank assembly



# Rotating shank assembly

| KEY | PART NO.   | DESCRIPTION                          |
|-----|--|--------------------------------------|
|     | 0410-550   | ROTATING SHANK ASSY, LESS SWEEP      |
|     | 0410-555   | ROTATING SHANK ASSY, WITH SWEEP      |
|     | NOTE: NOT ALL PARTS ILLUSTRATED ARE INCLUDED IN ASSEMBLY |                                      |
| 1.  | 0201-062   | SHANK MOUNT YOKE                     |
| 2.  | 0410-054   | ROTATING SHANK MOUNT                 |
| 3.  | 0410-055   | SPRING MOUNT                         |
| 4.  | 0410-133   | ROTATION STOP                        |
| 5.  | 5123-002   | SPRING                               |
| 6.  | 5939-003   | SHANK                                |
| 7.  | 5949-012   | POINT, REVERSIBLE BOLT ON            |
| 8.  | 5952-625   | SWEEP BLADE, 1/4" X 9"               |
| 9.  | 6123-002   | SPRING WITH INSERTS, ASSEMBLY        |
| 10. | 6919-050   | TOP INSERT                           |
| 11. | 6919-052   | BOTTOM INSERT                        |
| 12. | 7113-119   | TAP BOLT, 1/2" NC X 3-1/2" FULL THRD |
| 13. | 7113-121   | CAP SCREW, 1/2" NC X 3-3/4"          |
| 14. | 7113-129   | CAP SCREW, 1/2" NC X 5-1/2"          |
| 15. | 7114-109   | CAP SCREW, 5/8" NC X 2"              |
| 16. | 7115-067   | CAP SCREW, 3/4" NF X 5"              |
| 17. | 7272-058   | NO. 3 PLOW BOLT - 7/16" NC X 1-1/2"  |
| 18. | 7722-015   | HEX NUT, 7/16" NC                    |
| 19. | 7723-015   | HEX NUT, 1/2" NC                     |
| 20. | 7723-216   | HEX LOCK NUT, 1/2" NC                |
| 21. | 7724-005   | HEX NUT, 5/8" NC                     |
| 22. | 7725-122   | LOCK NUT, 3/4" NF                    |
| 23. | 7843-015   | LOCK WASHER, 1/2"                    |
| 24. | 7844-020   | LOCK WASHER, 5/8"                    |
| 25. | 7920-012   | HITCH PIN, 1/2" X 4" w/SAFETY PIN    |

# Boot drive assembly, Gooseneck & Weeder rods

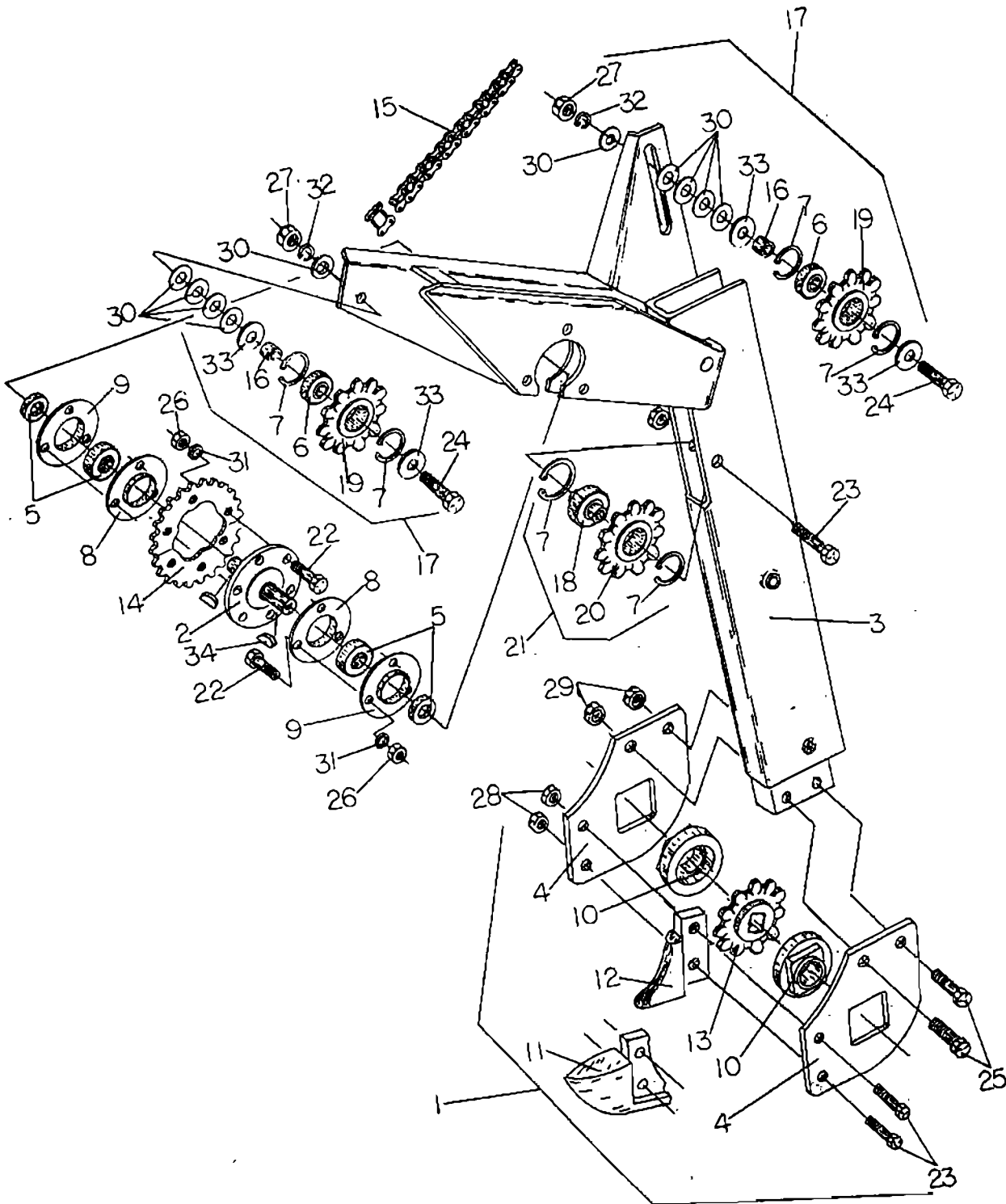




## Boot drive assembly, Gooseneck & Weeder rods

| <u>KEY</u> | <u>PART NO.</u>  | <u>DESCRIPTION</u>                    |
|------------|--|---------------------------------------|
| 1.         | 0410-524   | BOOT DRIVE ASSEMBLY – STANDARD 1" SQ. |
|            | 0410-545   | BOOT DRIVE ASSEMBLY – ROCK 1" SQ.     |
|            | NOTE: NOT ALL PARTS ILLUSTRATED ARE INCLUDED IN ASSEMBLY – |                                       |
| 2.         | 0105-062   | STANDARD SHOE                         |
| 3.         | 0105-078   | ROCK SHOE                             |
| 4.         | 0202-078   | GOOSENECK                             |
| 5.         | 0412-074   | CHAIN GUARD (OPTIONAL)                |
| 6.         | 0412-202   | BOOT BRACE                            |
| 7.         | 5919-612   | BLOCK                                 |
| 8.         | 5919-617   | SPOOL, 1" SQ.                         |
|            | 6919-355   | SPOOL, 1" SQ. – LOCKING ASSY.         |
| 9.         | 5965-107   | WEEDER ROD, 7/8"SQ. – 7'              |
|            | 5965-110   | WEEDER ROD, 7/8"SQ. – 10-1/2'         |
|            | 5965-112   | WEEDER ROD, 7/8"SQ. – 12'             |
|            | 5966-107   | WEEDER ROD, 1"SQ. – 7'                |
|            | 5966-110   | WEEDER ROD, 1"SQ. – 10-1/2'           |
|            | 5966-112   | WEEDER ROD, 1"SQ. – 12'               |
| 10.        | 6485-001   | SET COLLAR, 7/8"SQ.                   |
|            | 6486-002   | SET COLLAR, 1"SQ.                     |
| 11.        | 7112-017   | CAP SCREW, 7/16"NC X 2"               |
| 12.        | 7113-110   | CAP SCREW, 1/2"NC X 2"                |
| 13.        | 7113-120   | CAP SCREW, 1/2" NC X 3-1/2"           |
| 14.        | 7114-050   | CAP SCREW, 5/8"NC X 5"                |
| 15.        | 7114-006   | CAP SCREW, 5/8" NC X 1-3/4"           |
| 16.        | 7114-115   | CAP SCREW, 5/8"NC X 2-1/2"            |
| 17.        | 7342-012   | CARRIAGE BOLT, 3/8"NC X 1-1/4"        |
| 18.        | 7722-010   | HEX NUT, 3/8"NC                       |
| 19.        | 7722-018   | NYLON LOCK NUT, 7/16"NC               |
| 20.        | 7723-015   | HEX NUT, 1/2" NC                      |
| 21.        | 7724-005   | HEX NUT, 5/8"NC                       |
| 22.        | 7843-015   | LOCK WASHER, 1/2"                     |
| 23.        | 7844-020   | LOCK WASHER, 5/8"                     |

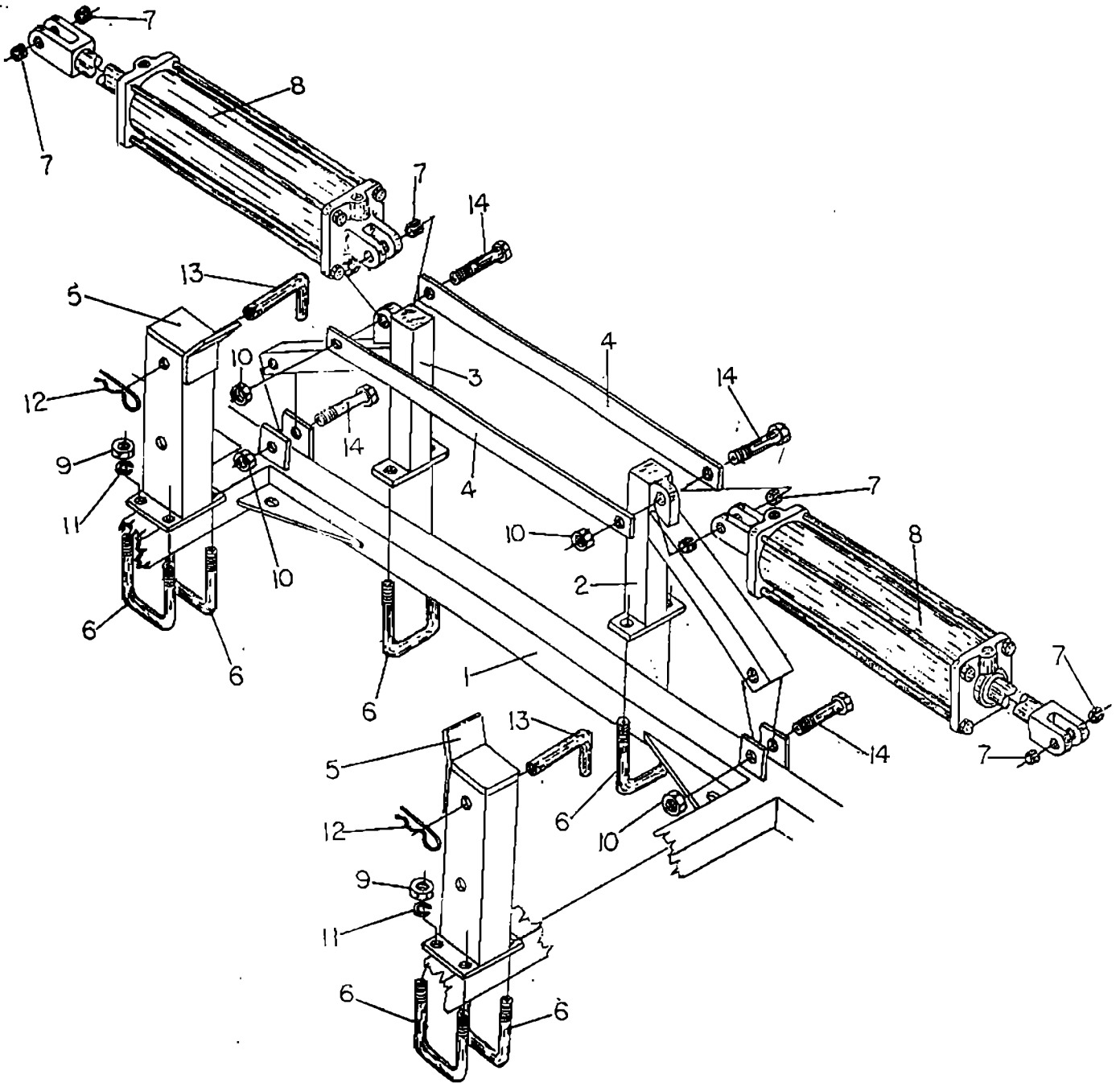
# Boot drive assembly



# Boot drive assembly

| <u>KEY</u> | <u>PART NO.</u>  | <u>DESCRIPTION</u>                        |
|------------|--|---|
|            | 0410-524   | BOOT DRIVE ASSEMBLY, STANDARD 1" SQ.      |
|            | 0410-545   | BOOT DRIVE ASSEMBLY, ROCK 1" SQ.          |
| 1.         | 0103-509   | 1" BOOT BOTTOM ASSEMBLY, STANDARD         |
|            | 0103-510   | 1" BOOT BOTTOM ASSEMBLY, ROCK             |
|            | NOTE: NOT ALL PARTS ILLUSTRATED ARE INCLUDED IN ASSEMBLY |   |
| 2.         | 0106-185   | SHAFT HUB FOR SPLIT SPROCKET              |
| 3.         | 0410-181   | BOOT FRAME WELDMENT                       |
| 4.         | 0412-201   | BOOT BOTTOM, FLAT                         |
| 5.         | 5449-019   | BEARING AND LOCK COLLARS                  |
| 6.         | 5449-020   | BEARING                                   |
| 7.         | 5489-002   | SNAP RINGS                                |
| 8.         | 5499-004   | BEARING FLANGE                            |
| 9.         | 5499-005   | BEARING FLANGE, W/ZERK                    |
| 10.        | 5919-609   | NARROW BOOT BLOCK                         |
| 11.        | 5919-621   | POINT, ROCK                               |
| 12.        | 5919-622   | POINT, STANDARD                           |
| 13.        | 5919-679   | SPROCKET, BOOT POINT, 1" SQ.              |
| 14.        | 5919-698   | SPROCKET, SPLIT DRIVE                     |
| 15.        | 6019-001   | CHAIN ASSY.                               |
| 16.        | 6133-007   | BUSHING                                   |
| 17.        | 6449-002   | IDLER SPROCKET ASSY. (TOP FRONT AND REAR) |
| 18.        | 6449-020   | BEARING W/BUSHING                         |
| 19.        | 6449-023   | SPROCKET, W/BEARING AND SNAP RINGS        |
|            | 6919-384   | SPROCKET, LESS BEARING AND SNAP RINGS     |
| 20.        | 6919-484   | SPROCKET, IDLER                           |
| 21.        | 6919-684   | SPROCKET, BOOT IDLER ASSEMBLY             |
| 22.        | 7112-055   | CAP SCREW, 3/8" X 1-1/4" NC               |
| 23.        | 7113-110   | CAP SCREW, 1/2" X 2" NC                   |
| 24.        | 7113-111   | CAP SCREW, 1/2" X 2-1/4" NC               |
| 25.        | 7114-109   | CAP SCREW, 5/8" X 2" NC                   |
| 26.        | 7722-010   | HEX NUT 3/8" NC                           |
| 27.        | 7723-015   | HEX NUT, 1/2" NC                          |
| 28.        | 7723-116   | HEX LOCK NUT, 1/2" NC HALF HEIGHT         |
| 29.        | 7723-119   | HEX LOCK NUT, 5/8" NC                     |
| 30.        | 7813-015   | FLAT WASHER, 1/2"                         |
| 31.        | 7842-010   | LOCK WASHER, 3/8"                         |
| 32.        | 7843-015   | LOCK WASHER, 1/2"                         |
| 33.        | 7893-004   | MACHINE BUSHING, 1/2" X 10GA NR           |
| 34.        | 7932-115   | WOODRUFF KEY, 3/8" X 1-1/4"               |

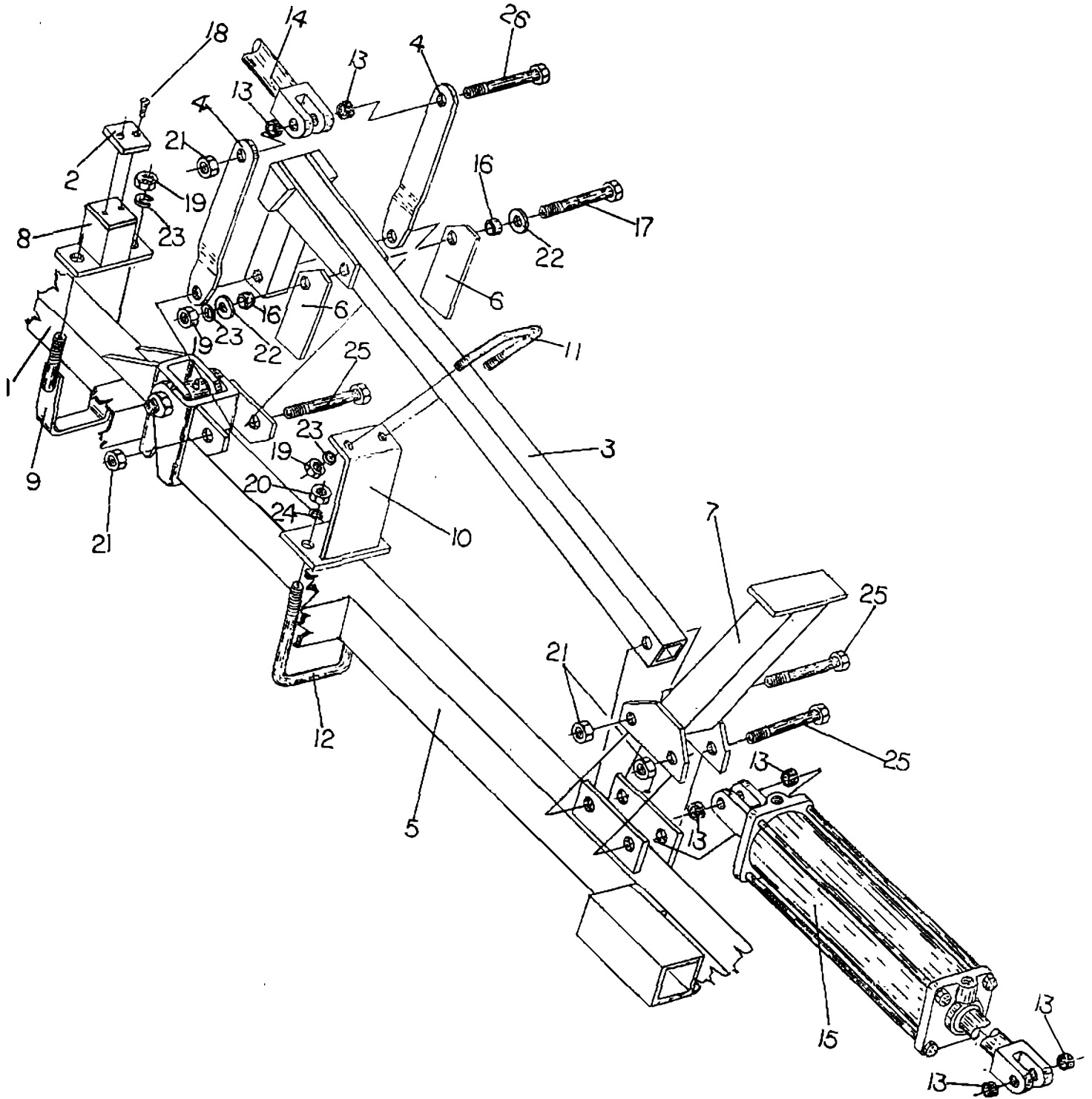
# Wing lift components, center frame



## Wing lift components, center frame

| <u>Key</u> | <u>Part no.</u> | <u>Description</u>             |
|------------|-----------------|--------------------------------|
| 1          | CW9-066         | Center frame, 12 ft. 5 section |
| 2          | 0410-033        | Center support mount, left     |
| 3          | 0410-034        | Center support mount, right    |
| 4          | 0410-043        | Center support bar             |
| 5          | 0410-076        | Wing transport stand           |
| 6          | 5214-002        | U-Bolt, 5/8"NC x 4 3/4"x 6"    |
| 7          | 5818-030        | Clevis pin bushing             |
| 8          | 5818-610        | Hydraulic cylinder, 5x24       |
| 9          | 7724-005        | Hex nut, 5/8"NC                |
| 10         | 7726-012        | Hex Nylock nut, 1"NC           |
| 11         | 7844-020        | Lockwasher, 5/8"               |
| 12         | 7920-002        | Hitch pin, # 8                 |
| 13         | 8036-801        | Pin, wing lock                 |
| 14         | 8116-018        | Bolt, 1"NCx 5" Nylock          |

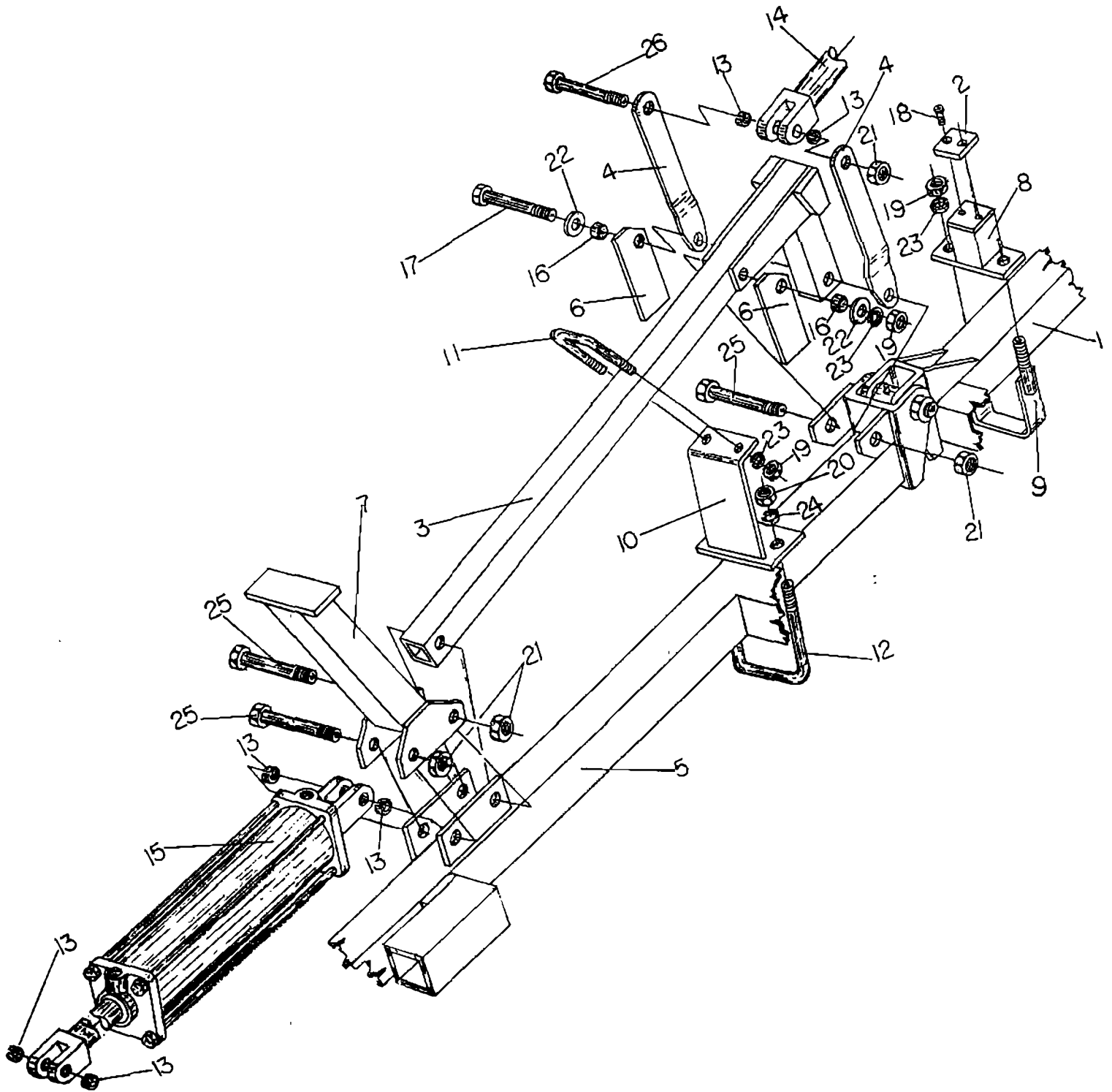
# Wing lift components, Inner wing – left



## Wing lift components, Inner wing – left

| Key | Part no. | Description                           |
|-----|----------|---------------------------------------|
| 1   | CW9-066  | Center frame, 12 ft. 5 Section        |
| 2   | CW9-067  | Pad, wing lift stop                   |
| 3   | 0400-020 | Wing lift                             |
| 4   | 0400-032 | Toggle, wing lift                     |
| 5   | 0410-027 | Inner wing frame, 12 ft. Left         |
| 6   | 0410-106 | Wing lift stop                        |
| 7   | 0410-115 | Wing transport stand                  |
| 8   | 0410-144 | Block, wing lift stop                 |
| 9   | 0410-145 | Strap bolt, ½" NC                     |
| 10  | 0410-175 | Center brace, left                    |
| 11  | 5213-001 | U-bolt, 1/2" NC x 3 1/16" x 3 7/8"    |
| 12  | 5214-002 | U-bolt, 5/8" NC x 4 3/4" x 5 1/4"     |
| 13  | 5818-030 | Clevis pin bushing                    |
| 14  | 5818-610 | Hydraulic cylinder, 5 x 24            |
| 15  | 5818-615 | Hydraulic cylinder, 5 x 30            |
| 16  | 6133-007 | Bushing, 0.510" ID x 0.750 OD x 7/16" |
| 17  | 7113-127 | Capscrew, ½" NC x 5"                  |
| 18  | 7120-075 | Flat head screw, 5/16" NC x ¾"        |
| 19  | 7723-015 | Hex nut, ½" NC                        |
| 20  | 7724-005 | Hex nut, 5/8" NC                      |
| 21  | 7726-012 | Hex Nylock nut, 1" NC                 |
| 22  | 7813-015 | Flat washer, ½"                       |
| 23  | 7843-015 | Lockwasher, ½"                        |
| 24  | 7844-020 | Lockwasher, 5/8"                      |
| 25  | 8116-003 | Bolt, 1" NC x 6 ¼" – Nylock           |
| 26  | 8116-601 | Bolt, 1" NC x 5 ¾" - Nylock           |

# Wing lift components, Inner wing – right

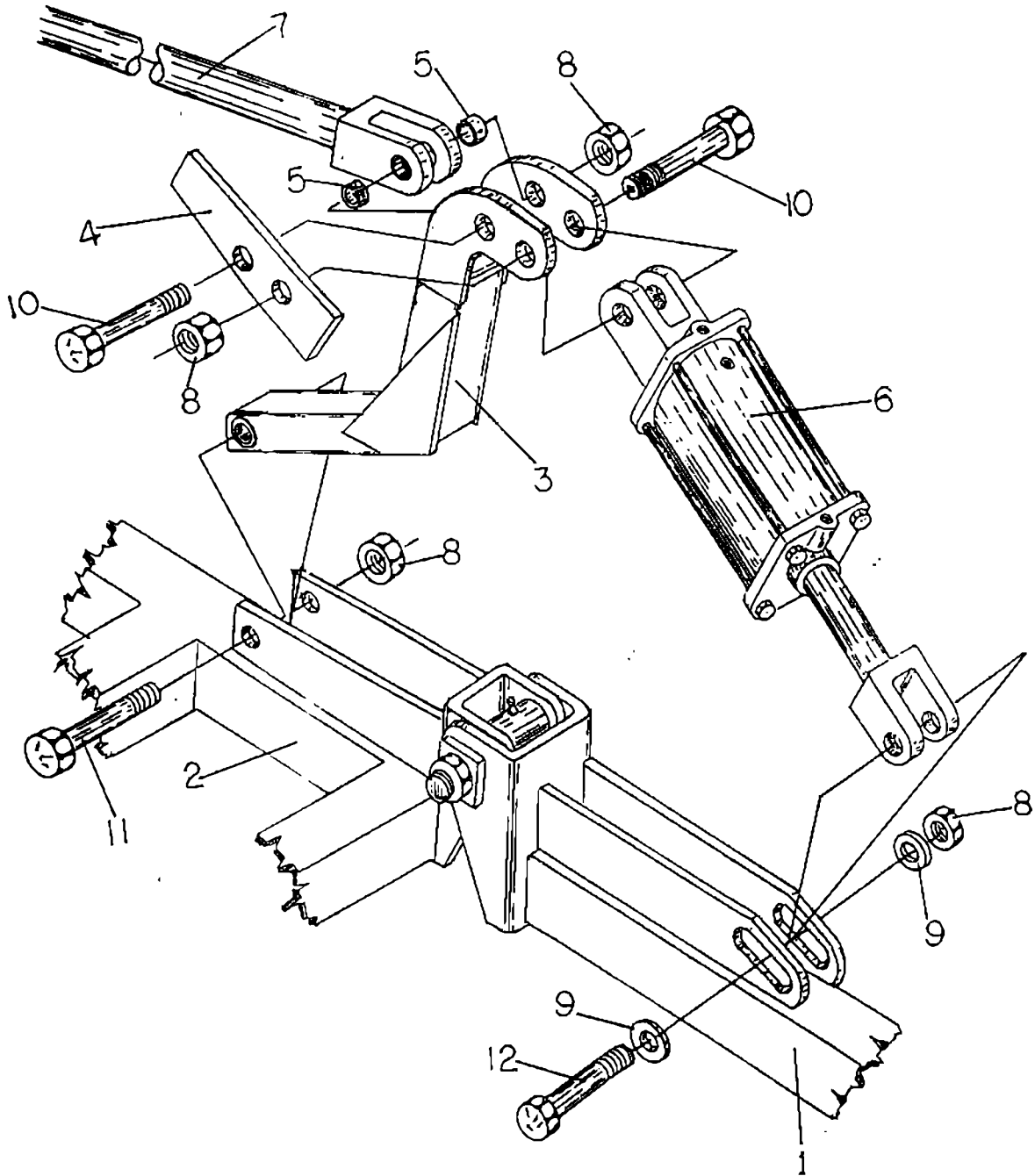




## Wing lift components, Inner wing – right

| <u>Key</u> | <u>Part no.</u> | <u>Description</u>                    |
|------------|-----------------|---------------------------------------|
| 1          | CW9-066         | Center frame, 12 ft. 5 Section        |
| 2          | CW9-067         | Pad, wing lift stop                   |
| 3          | 0400-020        | Wing lift                             |
| 4          | 0400-032        | Toggle, wing lift                     |
| 5          | 0410-028        | Inner wing frame, 12 ft. Right        |
| 6          | 0410-106        | Wing lift stop                        |
| 7          | 0410-115        | Wing transport stand                  |
| 8          | 0410-144        | Block, wing lift stop                 |
| 9          | 0410-145        | Strap bolt, ½" NC                     |
| 10         | 0410-176        | Center brace, right                   |
| 11         | 5213-001        | U-bolt, 1/2" NC x 3 1/16" x 3 7/8"    |
| 12         | 5214-002        | U-bolt, 5/8" NC x 4 3/4" x 5 1/4"     |
| 13         | 5818-030        | Clevis pin bushing                    |
| 14         | 5818-610        | Hydraulic cylinder, 5 x 24            |
| 15         | 5818-615        | Hydraulic cylinder, 5 x 30            |
| 16         | 6133-007        | Bushing, 0.510" ID x 0.750 OD x 7/16" |
| 17         | 7113-127        | Capscrew, ½" NC x 5"                  |
| 18         | 7120-075        | Flat head screw, 5/16" NC x ¾"        |
| 19         | 7723-015        | Hex nut, ½" NC                        |
| 20         | 7724-005        | Hex nut, 5/8" NC                      |
| 21         | 7726-012        | Hex Nylock nut, 1" NC                 |
| 22         | 7813-015        | Flat washer, ½"                       |
| 23         | 7843-015        | Lockwasher, ½"                        |
| 24         | 7844-020        | Lockwasher, 5/8"                      |
| 25         | 8116-003        | Bolt, 1" NC x 6 ¼" – Nylock           |
| 26         | 8116-601        | Bolt, 1" NC x 5 ¾" - Nylock           |

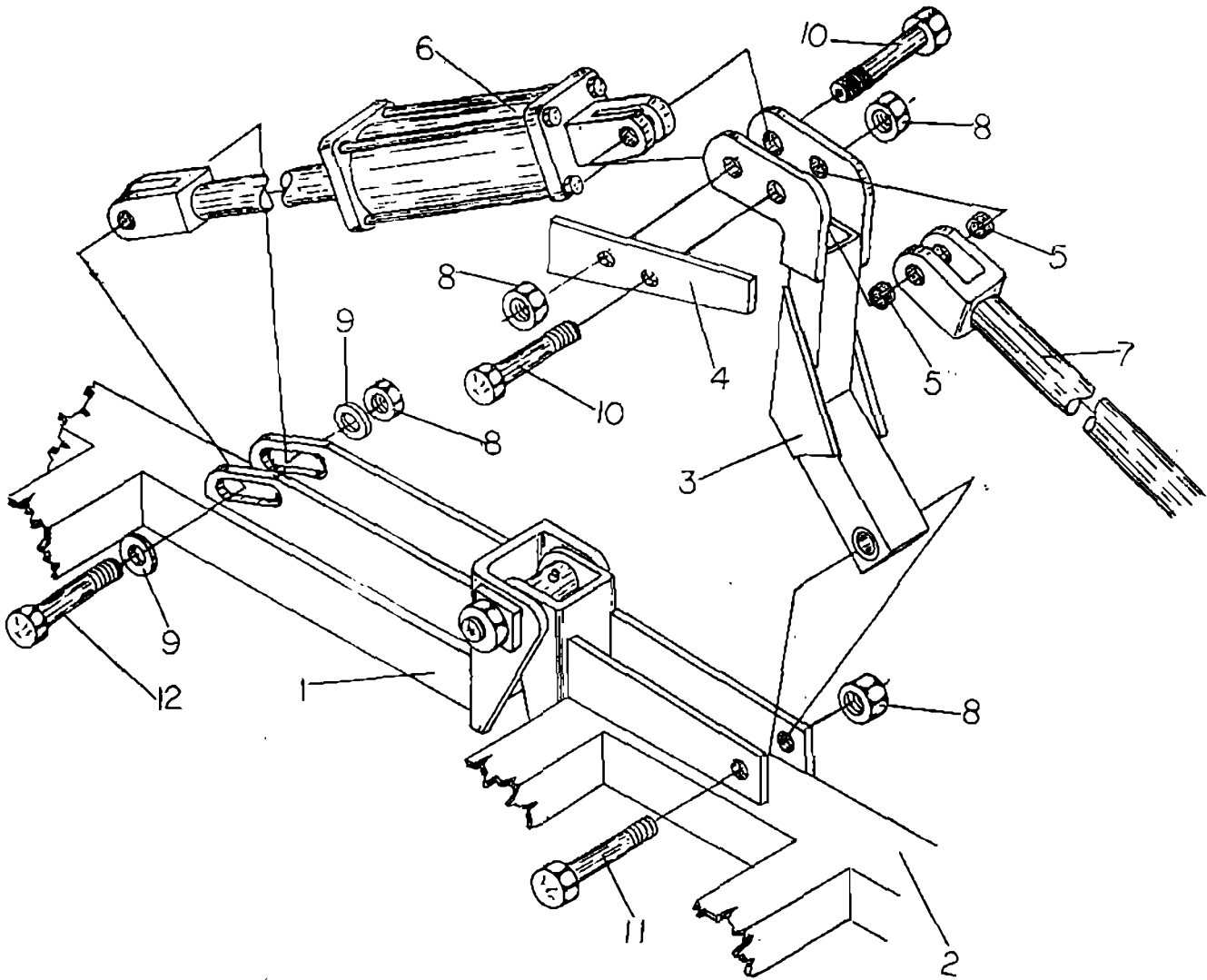
# Wing lift components, Outer wing – left



## Wing lift components, Outer wing – left

| <u>Key</u> | <u>Part no.</u> | <u>Description</u>                  |
|------------|-----------------|-------------------------------------|
| 1          | 0410-025        | Outer wing frame,12 ft. Left        |
| 2          | 0410-027        | Inner wing frame, 12 ft. Left       |
| 3          | 0410-048        | Cylinder actuator arm               |
| 4          | 0410-102        | Support bar                         |
| 5          | 5818-030        | Clevis pin bushing                  |
| 6          | 5818-600        | Hydraulic cylinder, 3 x 8 otr lift  |
| 7          | 5818-615        | Hydraulic cylinder, 5 x 30 otr lift |
| 8          | 7726-012        | Hex Nylock nut, 1" NC               |
| 9          | 7816-020        | Flat washer, 1"                     |
| 10         | 8116-003        | Bolt, 1" NC x 6 1/4" – Nylock       |
| 11         | 8116-018        | Bolt, 1" NC x 5 5/16"-Nylock        |
| 12         | 8116-601        | Bolt, 1" NC x 5 3/4" - Nylock       |

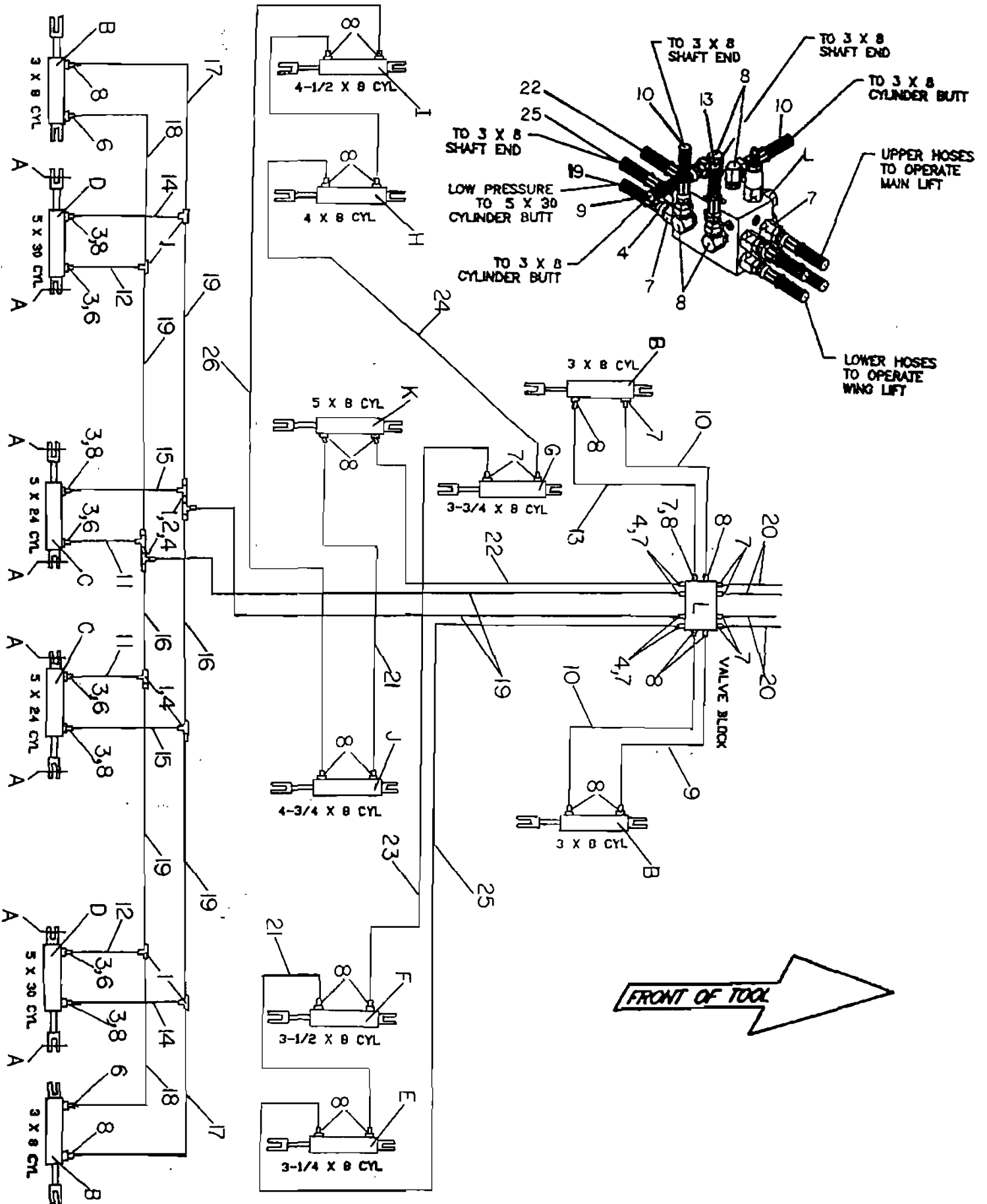
# Wing lift components, Outer wing – right



## Wing lift components, Outer wing – right

| <u>Key</u> | <u>Part no.</u> | <u>Description</u>                    |
|------------|-----------------|---------------------------------------|
| 1          | 0410-026        | Outer wing frame, 12 ft. Right        |
| 2          | 0410-028        | Inner wing frame, 12 ft. Right        |
| 3          | 0410-048        | Cylinder actuator arm                 |
| 4          | 0410-102        | Support bar                           |
| 5          | 5818-030        | Clevis pin bushing                    |
| 6          | 5818-600        | Hydraulic cylinder, 3 x 8 – otr lift  |
| 7          | 5818-615        | Hydraulic cylinder, 5 x 30 – otr lift |
| 8          | 7726-012        | Hex Nylock nut, 1" NC                 |
| 9          | 7816-020        | Flat washer, 1"                       |
| 10         | 8116-003        | Bolt, 1" NC x 6 1/4" – Nylock         |
| 11         | 8116-018        | Bolt, 1" NC x 5 5/16" –Nylock         |
| 12         | 8116-601        | Bolt, 1" NC x 5 3/4" - Nylock         |

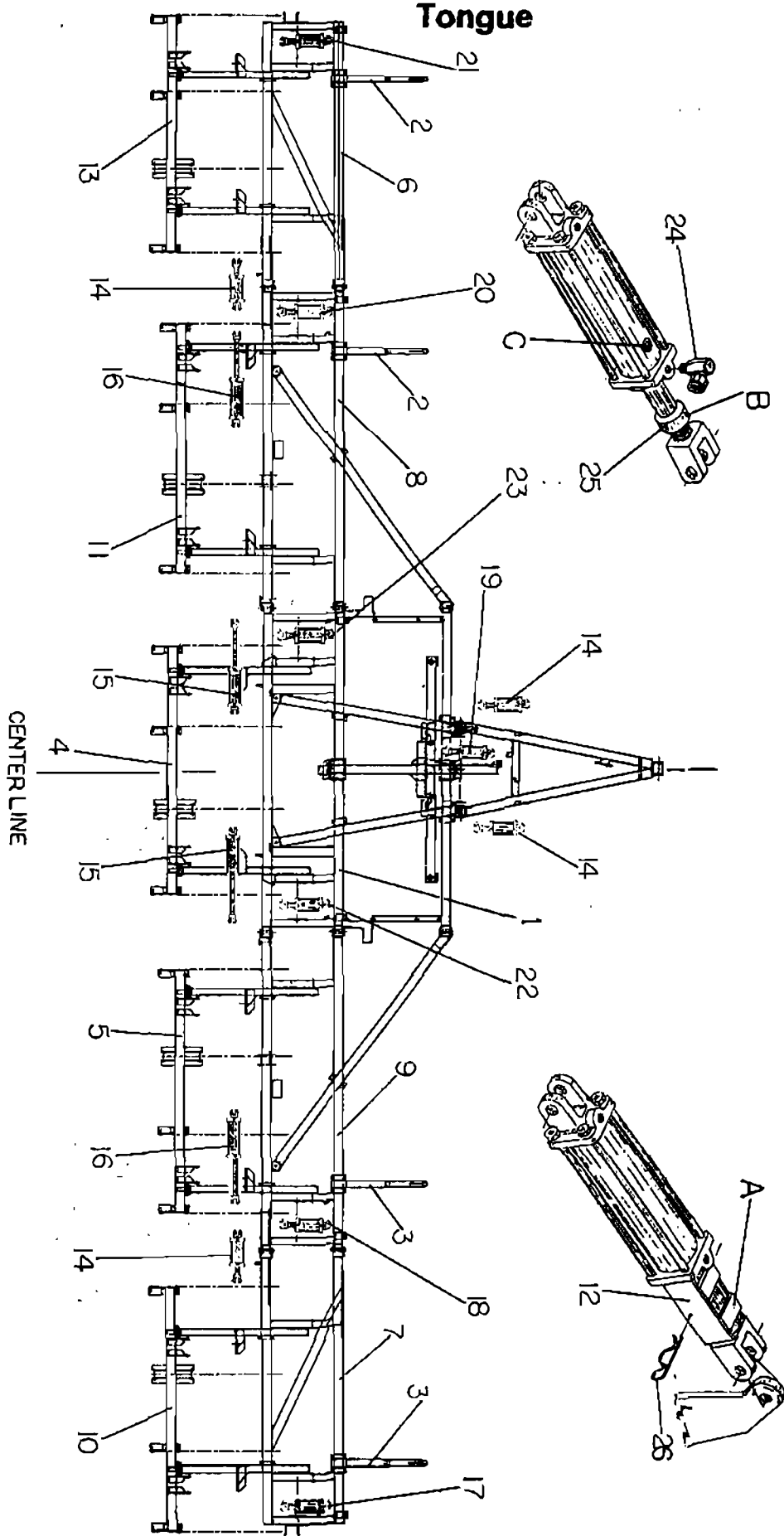
# Hydraulic layout with Rolling tongue



## Hydraulic layout with Rolling tongue

| <u>Key</u> | <u>Part no.</u> | <u>Description</u>                        | <u>No. Used</u> |
|------------|-----------------|---|-----------------|
| 1          | 5833-101        | Tec, 1/2" x 1/2" x 1/2"                   | 10              |
| 2          | 5833-110        | 1/2" Hex nipple                           | 2               |
| 3          | 5833-219        | Reducer bushing 7/8" M-1/2" FM            | 8               |
| 4          | 5843-400        | 1/2" straight swivel union M-F            | 12              |
| 5          | 5843-460        | 1/2" 90° Swivel                           | 0               |
| 6          | 5843-469        | 90° Restrictor union - 1/16" orifice      | 6               |
| 7          | 5846-091        | 1/2" O-Ring adapter                       | 10              |
| 8          | 5846-095        | 1/2" 90° O-Ring swivel                    | 29              |
| 9          | 6822-215        | Hose, 3/8" x 15, 1/2" M-M                 | 1               |
| 10         | 6822-218        | Hose, 3/8" x 18, 1/2" M-M                 | 2               |
| 11         | 6822-220        | Hose, 3/8" x 20, 1/2" M-M                 | 2               |
| 12         | 6822-222        | Hose, 3/8" x 22, 1/2" M-M                 | 2               |
| 13         | 6822-232        | Hose, 3/8" x 32, 1/2" M-M                 | 1               |
| 14         | 6822-236        | Hose, 3/8" x 36, 1/2" M-M                 | 2               |
| 15         | 6822-242        | Hose, 3/8" x 42, 1/2" M-M                 | 2               |
| 16         | 6822-256        | Hose, 3/8" x 56, 1/2" M-M                 | 2               |
| 17         | 6822-274        | Hose, 3/8" x 83, 1/2" M-M                 | 2               |
| 18         | 6822-280        | Hose, 3/8" x 92, 1/2" M-M                 | 2               |
| 19         | 6822-301        | Hose, 3/8" x 113, 1/2" M-M                | 6               |
| 20         | 6822-303        | Hose, 3/8" x 108, 1/2" M-M                | 4               |
| 21         | 6822-344        | Hose, 3/8" x 144, 1/2" M-M                | 3               |
| 22         | 6822-365        | Hose, 3/8" x 168, 1/2" M-M                | 1               |
| 23         | 6822-462        | Hose, 3/8" x 282, 1/2" M-M                | 1               |
| 24         | 6822-480        | Hose, 3/8" x 294, 1/2" M-M                | 1               |
| 25         | 6822-584        | Hose, 3/8" x 404, 1/2" M-M                | 1               |
| 26         | 6822-632        | Hose, 3/8" x 432, 1/2" M-M                | 1               |
| <hr/>      |                 |   |                 |
| A          | 5818-030        | Clevis pin bushing, used on Hyd Cyl C & D | 16              |
| B          | 5818-600        | Hydraulic cylinder, 3 x 8                 | 4               |
| C          | 5818-610        | Hydraulic cylinder, 5 x 24                | 2               |
| D          | 5818-615        | Hydraulic cylinder, 5 x 30                | 2               |
| E          | 5819-055        | Hydraulic cylinder, 3 1/4 x 8             | 1               |
| F          | 5819-056        | Hydraulic cylinder, 3 1/2 x 8             | 1               |
| G          | 5819-057        | Hydraulic cylinder, 3 3/4 x 8             | 1               |
| H          | 5819-058        | Hydraulic cylinder, 4 x 8                 | 1               |
| I          | 5819-059        | Hydraulic cylinder, 4 1/2 x 8             | 1               |
| J          | 5819-060        | Hydraulic cylinder, 4 3/4 x 8             | 1               |
| K          | 5819-061        | Hydraulic cylinder, 5 x 8                 | 1               |
| L          | 5859-110        | Valve block                               | 1               |

# Hydraulic Cylinder Locations, Frames, Wheel Leg, Wing Fold And Rolling Tongue



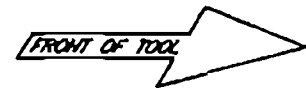
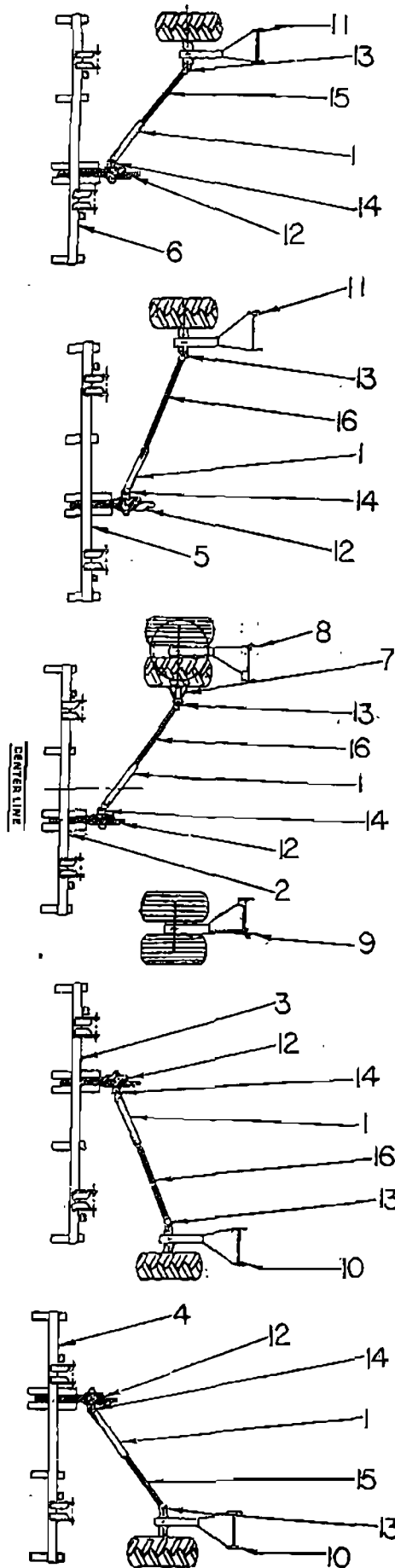
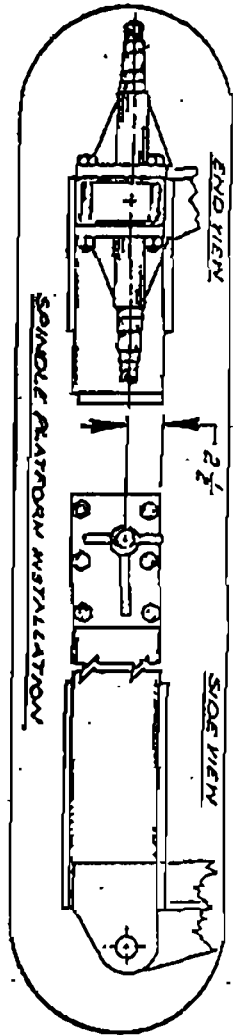


## Hydraulic Cylinder Locations, Frames, Wheel Leg, Wing Fold And Rolling Tongue

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>   |
|------------|-----------------|--|
| 1          | CW9-066         | Center Frame   |
| 2          | CW9-555         | Caster Wheel Leg Assembly, Left  |
| 3          | CW9-556         | Caster Wheel Leg Assembly, Right   |
| 4          | 0410-004        | Backbone, 12', Center  |
| 5          | 0410-005        | Backbone, 12', Inner Right   |
| 6          | 0410-025        | Outer Wing, 12', Left  |
| 7          | 0410-026        | Outer Wing, 12', Right   |
| 8          | 0410-027        | Inner Wing, 12', Left  |
| 9          | 0410-028        | Inner Wing, 12', Right   |
| 10         | 0410-052        | Backbone, 12', Outer Right   |
| 11         | 0410-068        | Backbone, 12', Inner Left  |
| 12         | 0410-103        | Cylinder Lock  |
| 13         | 0410-110        | Backbone, 12', Outer Left  |
| 14         | 5818-600        | Hydraulic Cylinder, 3x8 OTR Left   |
| 15         | 5818-610        | Hydraulic Cylinder, 5x24 Cnt Left  |
| 16         | 5818-615        | Hydraulic Cylinder, 5x30 OTR Left  |
| 17         | 5819-055        | Hydraulic Cylinder, Rephase - 3 1/4 x 8  |
| 18         | 5819-056        | Hydraulic Cylinder, Rephase - 3 1/2 x 8  |
| 19         | 5819-057        | Hydraulic Cylinder, Rephase - 3 3/4 x 8  |
| 20         | 5819-058        | Hydraulic Cylinder, Rephase - 4 x 8  |
| 21         | 5819-059        | Hydraulic Cylinder, Rephase - 4 1/2 x 8  |
| 22         | 5819-060        | Hydraulic Cylinder, Rephase - 4 3/4 x 8  |
| 23         | 5819-061        | Hydraulic Cylinder, Rephase - 5 x 8  |
| 24         | 5846-095        | 1/2" O - Ring 90 Swivel Union  |
| 25         | 6146-013        | Cylinder Spacer Bushing  |
| 26         | 7920-002        | Hitch Pin #8   |
|            | Note            | A. #0410-103 - Used On Keys #22 &23<br>B. #6146-013 - Used on keys #17 &19<br>C. This port is to be top side on all rephase cylinders. |

For Hydraulic cylinders repair parts refer to Hydraulic Cylinders Manual

# Single Drive Line System - Drive Components Layout

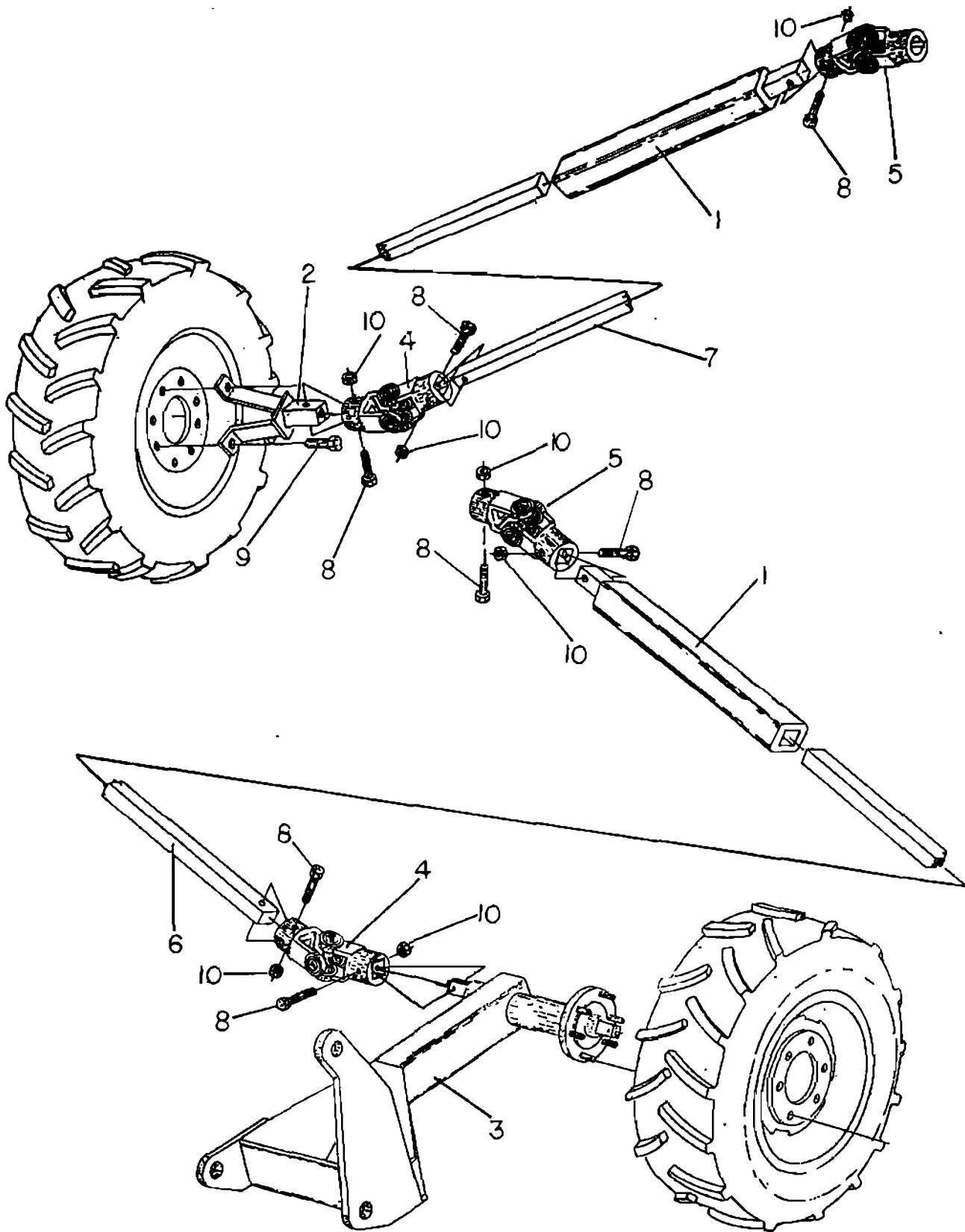


## Single Drive Line System - Drive Components Layout

### 5 Section 60'

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                  |
|------------|-----------------|-------------------------------------|
| 1          | 0206-037        | Drive Line, 21 1/8" Female          |
| 2          | 0410-004        | Backbone, 12' Center                |
| 3          | 0410-005        | Backbone, 12' Inner Wing, Right     |
| 4          | 0410-052        | Backbone, 12' Outer Wing, Right     |
| 5          | 0410-068        | Backbone, 12' Inner Wing, Left      |
| 6          | 0410-110        | Backbone, 12' Outer Wing, Left      |
| 7          | 0410-167        | Drive Basket, Left Center Wheel Leg |
| 8          | 0410-376        | Wheel Leg Assembly, Center Left     |
| 9          | 0410-377        | Wheel Leg Assembly, Center Right    |
| 10         | 0410-513        | Wheel Leg Assembly, Wing, Right     |
| 11         | 0410-514        | Wheel Leg Assembly, Wing, Left      |
| 12         | 0410-524        | Boot Drive Assembly, Std 1" Square  |
| 13         | 5546-005        | U-Joint 1 1/4" SQ to 1 1/4" SQ      |
| 14         | 5546-006        | U-Joint 1 1/4" SQ to 1 7/16" RND    |
| 15         | 6566-058        | Drive Line, 1 1/4" SQ x 26"         |
| 16         | 6566-090        | Drive line, 1 1/4" SQ x 40 3/4"     |

# Single Drive Line Components



## Single Drive Line Components

| <u>Key</u> | <u>Part No.</u> | <u>Description</u>                               |
|------------|-----------------|--|
| 1          | 0206-037        | Drive Line, 21 1/8" Female                       |
| 2          | 0410-167        | Drive Basket, Dual Wheel Leg, Center Left        |
| 3          | 0410-513        | Wheel Leg Assembly, Wing, Left (Shown)           |
|            | 0410-514        | Wheel Leg Assembly, Wing, Right                  |
| 4          | 5546-005        | U-Joint, 1-1/4" SQ to 1-1/4" SQ                  |
| 5          | 5546-006        | U-Joint, 1-1/4" SQ to 1-7/16" RND                |
| 6          | 6566-058        | Driveline, 26" (Used on both outer wings)        |
| 7          | 6566-090        | Driveline, 40-3/4" (Center and both inner wings) |
| 8          | 7111-030        | Capscrew, 5/16" NC x 2-3/4"                      |
| 9          | 7113-256        | Capscrew, 9/16" NF x 1-3/4"                      |
| 10         | 7721-008        | Lock Nut, 5/16" NC                               |

## Part number Page reference

| Part no. | Description                       | Page no.              |
|----------|-----------------------------------|-----------------------|
| CW9-004  | Cross tongue member               | 5                     |
| CW9-017  | Spring rod [ CW series]           | 15                    |
| CW9-022  | Rolling tongue,front              | 17                    |
| CW9-023  | Rear tongue, left                 | 17                    |
| CW9-024  | Rear tongue, right                | 17                    |
| CW9-025  | Lever arm                         | 17                    |
| CW9-026  | Lower swivel arm                  | 17, 19                |
| CW9-027  | Bearing block                     | 17, 19                |
| CW9-028  | Pivot mount                       | 17                    |
| CW9-029  | Upper swivel arm                  | 19                    |
| CW9-030  | Caster wheel leg, left [LH]       | 19, 21                |
| CW9-031  | Caster wheel leg, right [RH]      | 19, 23                |
| CW9-032  | Shaft, 1 5/8" x 12 7/8"           | 19                    |
| CW9-034  | Spindle platform                  | 19,21,23              |
| CW9-036  | Cross tongue brace                | 5                     |
| CW9-037  | Backing plate, 6" span- 5/8" bolt | 5                     |
| CW9-038  | Shaft collar, 1 5/8" ID           | 19                    |
| CW9-043  | Cylinder lock, cross tongue       | 5,17,41               |
| CW9-045  | Shaft, 1 5/8" x 18"               | 21,23                 |
| CW9-061  | Shank mount, wing pull-left       | 7,43                  |
| CW9-062  | Shank mount, wing pull-right      | 9,43                  |
| CW9-063  | Lead arm long, left               | 5                     |
| CW9-064  | Lead arm long, right              | 5                     |
| CW9-065  | Backing plate                     | 5                     |
| CW9-066  | Center frame, 12 ft. 5 Section    | 3,5,25,27,51,53,55,63 |
| CW9-067  | Pad, wing lift stop               | 53,55                 |
| CW9-068  | Backing plate, 5/8" x 9" C/C      | 7,9,43                |
| CW9-069  | Wing pull, 12 ft. left            | 7                     |
| CW9-070  | Wing pull, 12 ft. right           | 9                     |
| CW9-555  | Caster wheel leg assembly, LH     | 19,21,63              |
| CW9-556  | Caster wheel leg assembly, RH     | 19,23,63              |

Part number Page reference

| Part no. | Description                             | Page no.        |
|----------|---|-----------------|
| 0101-037 | Hydraulic hose mast assembly            | 17              |
| 0103-509 | 1" Boot bottom assembly, Standard       | 49              |
| 0103-510 | 1" Boot bottom assembly, Rock           | 49              |
| 0105-062 | Standard shoe                           | 47              |
| 0105-078 | Rock shoe                               | 47              |
| 0106-185 | Shaft hub for split sprocket            | 49              |
| 0106-211 | Hydraulic hose mast                     | 17              |
| 0200-147 | Limit plate                             | 21,23           |
| 0201-062 | Shank mount yoke                        | 45              |
| 0202-078 | Gooseneck                               | 47              |
| 0206-031 | Clamp plate, 4" span, 3/4" bolts-formed | 17,21,23        |
| 0206-037 | Drive line, female - 21 1/8"            | 65,67           |
| 0216-058 | Backing plate, 3/4" bolts - 6 3/16" C/C | 7               |
| 0400-020 | Wing lift                               | 53,55           |
| 0400-025 | Pivot arm                               | 41              |
| 0400-032 | Toggle, wing lift                       | 53,55           |
| 0400-053 | Shank mount, 11" - 180 degree, End      | 11,13           |
| 0410-004 | Backbone, 12 ft. Center                 | 5,63,65         |
| 0410-005 | Backbone, 12 ft. Inner wing, right      | 9,63,65         |
| 0410-013 | Wing wheel leg frame, right             | 33,37           |
| 0410-014 | Wing wheel leg frame, left              | 31,35           |
| 0410-023 | Wheel leg, Center frame, left           | 25              |
| 0410-024 | Wheel leg, Center frame, right          | 27              |
| 0410-025 | Outer wing frame, left                  | 3,11,35,57,63   |
| 0410-026 | Outer wing frame, right                 | 3,13,37,59,63   |
| 0410-027 | Inner wing frame, left                  | 3,7,31,53,57,63 |
| 0410-028 | Inner wing frame, right                 | 3,9,33,55,59,63 |
| 0410-033 | Center support mount, left              | 51              |
| 0410-034 | Center support mount, right             | 51              |
| 0410-040 | Spring guide                            | 15              |
| 0410-041 | Spring rod, [ 1500 series]              | 15              |
| 0410-042 | Stop, spring rod                        | 15              |
| 0410-043 | Center support bar                      | 51              |
| 0410-048 | Cylinder actuator arm                   | 57,59           |
| 0410-052 | Backbone, 12 ft. Outer wing, right      | 13,63,65        |
| 0410-054 | Rotating shank mount                    | 45              |
| 0410-055 | Spring mount                            | 45              |
| 0410-068 | Backbone, 12 ft. Inner wing, left       | 7,63,65         |
| 0410-069 | Shank mount, 90 degree, 10 1/2"         | 11,13           |
| 0410-076 | Wing transport stand                    | 51              |
| 0410-079 | Base plate                              | 7,9,11,13       |
| 0410-102 | Support bar                             | 57,59           |
| 0410-103 | Cylinder lock                           | 41,63           |
| 0410-106 | Wing lift stop                          | 53,55           |

| Part no. | Description                            | Page no.           |
|----------|--|--------------------|
| 0410-109 | Shank mount, 180 degree, 15 1/2"       | 11,13              |
| 0410-110 | Backbone, 12 ft. Outer wing, left      | 11,63,65           |
| 0410-115 | Wing transport stand                   | 53,55              |
| 0410-118 | Depth wheel arm                        | 21,23              |
| 0410-121 | Adjustable link, 7/8" NC               | 19,41              |
| 0410-133 | Rotation stop                          | 45                 |
| 0410-144 | Block, wing lift stop                  | 53,55              |
| 0410-145 | Strap bolt, 1/2" NC                    | 53,55              |
| 0410-157 | Shank mount, 90 degree, 14"            | 7,9,11,13          |
| 0410-165 | Spindle platform only, left            | 29                 |
| 0410-166 | Spindle platform only, right           | 29                 |
| 0410-167 | Drive basket, heavy duty               | 25,65,67           |
| 0410-169 | Spacer                                 | 11,13              |
| 0410-175 | Center brace, left                     | 53                 |
| 0410-176 | Center brace, right                    | 55                 |
| 0410-181 | Boot frame weldment                    | 49                 |
| 0410-183 | Lead arm, short, left                  | 7,9                |
| 0410-184 | Lead arm, short, right                 | 7,9                |
| 0410-185 | Lead arm, long, left                   | 13                 |
| 0410-186 | Lead arm, long, right                  | 11                 |
| 0410-189 | Lead arm, long, left                   | 11                 |
| 0410-190 | Lead arm, long, right                  | 13                 |
| 0410-376 | Dual wheel leg assembly, center, left  | 25,65              |
| 0410-377 | Dual wheel leg assembly, center, right | 27,65              |
| 0410-381 | Hub assembly, 8 bolt, left             | 25,27,29           |
| 0410-382 | Hub assembly, 8 bolt, right            | 27,29              |
| 0410-513 | Wing wheel leg assembly, right         | 33,37,65,67        |
| 0410-514 | Wing wheel leg assembly, left          | 31,35,65,67        |
| 0410-524 | Boot drive assembly, Standard, 1" Sq.  | 47,49,65           |
| 0410-525 | Spring cushion assembly, [1500 series] | 15                 |
| 0410-545 | Boot drive assembly, rock, 1" Sq.      | 47,49              |
| 0410-550 | Rotating shank assembly, less sweep    | 45                 |
| 0410-555 | Rotating shank assembly, with sweep    | 45                 |
| 0410-581 | Adjustable link assembly               | 19,41              |
| 0412-074 | Chain guard, optional                  | 47                 |
| 0412-201 | Boot bottom, flat                      | 49                 |
| 0412-202 | Boot brace                             | 47                 |
| 0420-295 | Cylinder pivot arm                     | 19                 |
| 0440-201 | Backing plate, 4 5/8" span, 1/2" bolt  | 17                 |
| 5114-001 | Spring                                 | 15                 |
| 5123-002 | Spring                                 | 45                 |
| 5213-001 | U-Bolt, 1/2" NC x 3 1/16" x 3 7/8"     | 53,55              |
| 5214-002 | U-Bolt, 5/8" NC x 4 3/4" x 6"          | 7,9,11,13,51,53,55 |



Part number Page reference

| Part no. | Description                                       | Page no.          |
|----------|---|-------------------|
| 5419-113 | Outer bearing                                     | 21                |
| 5419-118 | Outer cup   | 21                |
| 5419-122 | Race  | 29                |
| 5419-125 | Cup, wing wheel leg assembly                      | 39                |
| 5419-126 | Bearing, wing wheel leg assembly                  | 39                |
| 5419-127 | Bearing wing wheel leg assembly                   | 39                |
| 5419-141 | Inner cup   | 21                |
| 5419-142 | Inner bearing                                     | 21                |
| 5419-152 | Bearing   | 29                |
| 5419-153 | Race  | 29                |
| 5419-154 | Bearing   | 29                |
| 5439-020 | Seal, wing wheel leg assembly                     | 39                |
| 5439-141 | Seal  | 21                |
| 5439-151 | Seal  | 29                |
| 5449-019 | Bearing and lock collar                           | 49                |
| 5449-020 | Bearing   | 49                |
| 5469-006 | Dust cap  | 21                |
| 5469-013 | Dust cap, 8 bolt                                  | 29                |
| 5489-002 | Snap ring   | 49                |
| 5499-004 | Bearing flange                                    | 49                |
| 5499-005 | Bearing flange with zerk                          | 49                |
| 5546-005 | U-Joint, 1 1/4" SQ to 1 1/4" SQ                   | 65,67             |
| 5546-006 | U-Joint, 1 1/4" SQ to 1 7/16" Rnd                 | 65,67             |
| 5619-021 | Hub assembly, 6 bolt                              | 21,23             |
| 5619-022 | Hub, 6 bolt                                       | 21                |
| 5619-025 | Hub assembly, 8 bolt                              | 29                |
| 5619-026 | Hub, 8 bolt                                       | 29                |
| 5639-027 | Tire and wheel, 11L x 15, 8 ply. Ribbed implement | 19                |
| 5639-029 | Tire and wheel, 7.60 x 15, 8 ply. Ribbed          | 21,23             |
| 5639-030 | Tire and wheel, High cleat, traction, 6 bolt      | 31,35             |
| 5639-031 | Tire and wheel, High cleat, traction, 6 bolt      | 33,37             |
| 5639-034 | Tire and wheel, High cleat, traction, 8 bolt      | 25                |
| 5639-035 | Tire and wheel, Ribbed implement, 8 bolt          | 25,27             |
| 5818-030 | Clevis pin bushing                                | 51,53,55,57,59,61 |
| 5818-600 | Hydraulic cylinder, 3 x 8                         | 57,59,61,63       |
| 5818-610 | Hydraulic cylinder, 5 x 24                        | 53,55,61,63       |
| 5818-615 | Hydraulic cylinder, 5 x 30                        | 53,55,57,59,61,63 |
| 5819-055 | Hydraulic cylinder, 3 1/4 x 8 Rephase             | 41,61,63          |
| 5819-056 | Hydraulic cylinder, 3 1/2 x 8 Rephase             | 41,61,63          |
| 5819-057 | Hydraulic cylinder, 3 3/4 x 8 Rephase             | 41,61,63          |
| 5819-058 | Hydraulic cylinder, 4 x 8 Rephase                 | 41,61,63          |
| 5819-059 | Hydraulic cylinder, 4 1/2 x 8 Rephase             | 41,61,63          |
| 5819-060 | Hydraulic cylinder, 4 3/4 x 8 Rephase             | 41,61,63          |
| 5819-061 | Hydraulic cylinder, 5 x 8 Rephase                 | 41,61,63          |

| Part no. | Description                                 | Page no.          |
|----------|---|-------------------|
| 5833-101 | Tee, ½ x ½ x ½                              | 61                |
| 5833-110 | Hex nipple, ½                               | 61                |
| 5843-219 | Reducer bushing, 7/8 M – ½ F                | 61                |
| 5843-400 | ½" Straight swivel union, M – F             | 61                |
| 5843-460 | ½" 90 degree swivel union                   | 61                |
| 5843-469 | 90 degree Restrictor union, 1/16" orifice   | 61                |
| 5846-091 | ½" O-Ring adapter                           | 61                |
| 5846-095 | ½" 90 degree O-Ring swivel                  | 41,61,63          |
| 5859-110 | Valve block                                 | 17,61             |
| 5915-617 | Spool, 1" SQ                                | 47                |
| 5919-609 | Narrow boot block                           | 49                |
| 5919-612 | Block                                       | 47                |
| 5919-621 | Point, rock                                 | 49                |
| 5919-622 | Point, standard                             | 49                |
| 5919-679 | Sprocket, boot point, 1" SQ                 | 49                |
| 5919-698 | Sprocket, split drive                       | 49                |
| 5919-900 | Tongue flapper, cast                        | 17                |
| 5939-003 | Shank                                       | 45                |
| 5949-012 | Point, reversible bolt on                   | 45                |
| 5952-625 | Sweep blade, ¼" x 9"                        | 45                |
| 5965-107 | Weeder rod, 7/8" SQ x 7 ft.                 | 47                |
| 5965-110 | Weeder rod, 7/8" SQ x 10 ½ ft.              | 47                |
| 5965-112 | Weeder rod, 7/8" SQ x 12 ft.                | 47                |
| 5966-107 | Weeder rod, 1" SQ x 7 ft.                   | 47                |
| 5966-110 | Weeder rod, 1" SQ x 10 ½ ft.                | 47                |
| 5966-112 | Weeder rod, 1" SQ x 12 ft.                  | 47                |
| 6019-001 | Chain assembly                              | 49                |
| 6123-002 | Spring with inserts, assembly               | 45                |
| 6133-007 | Bushing, 0.750 OD x 0.510 ID x 7/16"        | 53,55             |
| 6136-600 | Bushing, 1.250 OD x 1.00 ID x 0.094"        | 17                |
| 6136-627 | Bushing, 1.500 OD x 1.281 ID x 1.438        | 17,19,31,33,35,37 |
| 6136-675 | Bushing, 1.750 OD x 1.530 ID x 1.438        | 25,27             |
| 6137-012 | Spacer, seal collar                         | 39                |
| 6143-007 | Bushing, 1" x 9/16"                         | 15                |
| 6144-001 | Bushing, 1" x 7/16"                         | 15                |
| 6146-013 | Cylinder spacing bushing                    | 41,63             |
| 6329-055 | Tongue jack, agricultural                   | 17                |
| 6449-002 | Idler sprocket assembly [ top front & rear] | 49                |
| 6449-020 | Bearing with bushing                        | 49                |
| 6449-023 | Sprocket with bearings and snap ring        | 49                |
| 6485-001 | Set collar, 7/8" SQ                         | 47                |
| 6486-002 | Set collar, 1" SQ                           | 47                |
| 6487-007 | Set collar, 1 11/16"                        | 21,23             |
| 6566-058 | Drive line, 26"                             | 65,67             |
| 6566-090 | Drive line, 40 ¾"                           | 65,67             |
| 6577-024 | Live axle shaft with hub & studs            | 39                |

Part number Page reference

| Part no. | Description                            | Page no.    |
|----------|--|-------------|
| 6822-215 | Hose, 3/8" x 15, 1/2" M-M              | 61          |
| 6822-218 | Hose, 3/8" x 18, 1/2" M-M              | 61          |
| 6822-220 | Hose, 3/8" x 20, 1/2" M-M              | 61          |
| 6822-222 | Hose, 3/8" x 22, 1/2" M-M              | 61          |
| 6822-232 | Hose, 3/8" x 32, 1/2" M-M              | 61          |
| 6822-236 | Hose, 3/8" x 36, 1/2" M-M              | 61          |
| 6822-242 | Hose, 3/8" x 42, 1/2" M-M              | 61          |
| 6822-256 | Hose, 3/8" x 56, 1/2" M-M              | 61          |
| 6822-274 | Hose, 3/8" x 83, 1/2" M-M              | 61          |
| 6822-280 | Hose, 3/8" x 92, 1/2" M-M              | 61          |
| 6822-301 | Hose, 3/8" x 113, 1/2" M-M             | 61          |
| 6822-303 | Hose, 3/8" x 108, 1/2" M-M             | 61          |
| 6822-344 | Hose, 3/8" x 144, 1/2" M-M             | 61          |
| 6822-365 | Hose, 3/8" x 168, 1/2" M-M             | 61          |
| 6822-462 | Hose, 3/8" x 282, 1/2" M-M             | 61          |
| 6822-480 | Hose, 3/8" x 294, 1/2" M-M             | 61          |
| 6822-584 | Hose, 3/8" x 404, 1/2" M-M             | 61          |
| 6822-632 | Hose, 3/8" x 432, 1/2" M-M             | 61          |
| 6919-050 | Top insert                             | 45          |
| 6919-052 | Bottom insert                          | 45          |
| 6919-355 | Spool, 1" SQ. Locking assembly         | 47          |
| 6919-384 | Sprocket, less bearing and snap ring   | 49          |
| 6919-484 | Sprocket, idler                        | 49          |
| 6919-684 | Sprocket, boot idler assembly          | 49          |
| 7022-005 | Roll pin, 3/8" x 2"                    | 15          |
| 7111-027 | Capscrew, 5/16" NC x 2 1/2"            | 15          |
| 7111-030 | Capscrew, 5/16" NC x 2 3/4"            | 67          |
| 7111-050 | Capscrew, 5/16" NC x 5"                | 17          |
| 7112-017 | Capscrew, 7/16" NC x 2"                | 47          |
| 7112-055 | Capscrew, 3/8" NC x 1 1/4"             | 49          |
| 7112-066 | Capscrew, 3/8" NC x 2 1/2"             | 5,9,11,13   |
| 7113-110 | Capscrew, 1/2" NC x 2"                 | 47,49       |
| 7113-111 | Capscrew, 1/2" NC x 2 1/4"             | 49          |
| 7113-119 | Tap bolt, 1/2" NC x 3 1/2" Full thread | 45          |
| 7113-120 | Capscrew, 1/2" NC x 3 1/2"             | 47          |
| 7113-121 | Capscrew, 1/2" NC x 3 3/4"             | 19,21,23,45 |
| 7113-127 | Capscrew, 1/2" NC x 5"                 | 53,55       |
| 7113-129 | Capscrew, 1/2" NC x 5 1/2"             | 45          |
| 7113-135 | Capscrew, 1/2" NC x 6                  | 17          |
| 7113-144 | Capscrew, 1/2" NC x 8"                 | 17          |
| 7113-256 | Capscrew, 9/16" NF x 1 3/4"            | 25,67       |
| 7114-006 | Capscrew, 5/8" NC x 1 3/4"             | 47          |
| 7114-030 | Capscrew, 5/8" NC x 3 1/2"             | 19,21,23    |
| 7114-045 | Capscrew, 5/8" NC x 4 1/2"             | 11,13       |

| Part no. | Description                        | Page no.                              |
|----------|------------------------------------|---------------------------------------|
| 7114-050 | Capscrew, 5/8" NC x 5"             | 47                                    |
| 7114-055 | Capscrew, 5/8" NC x 5 1/2"         | 7,9,11,13                             |
| 7114-060 | Capscrew, 5/8" NC x 6"             | 5                                     |
| 7114-065 | Capscrew, 5/8" NC x 6 1/2"         | 5                                     |
| 7114-109 | Capscrew, 5/8" NC x 2"             | 17,45,49                              |
| 7114-111 | Capscrew, 5/8" NC x 2 1/4"         | 15                                    |
| 7114-115 | Capscrew, 5/8" NC x 2 1/2"         | 5,47                                  |
| 7114-080 | Capscrew, 5/8" NC x 8"             | 7,9                                   |
| 7115-025 | Capscrew, 3/4" NC x 2 1/2"         | 19,41                                 |
| 7115-050 | Capscrew, 3/4" NC x 5"             | 41                                    |
| 7115-067 | Capscrew, 3/4" NF x 5"             | 45                                    |
| 7115-075 | Capscrew, 3/4" NC x 5 1/2"         | 5,9,11,13,25,27                       |
| 7115-076 | Capscrew, 3/4" NC x 6"             | 7,17,19,21,23                         |
| 7115-080 | Capscrew, 3/4" NC x 8"             | 17                                    |
| 7116-025 | Capscrew, 1" NC x 2 1/2"           | 7,9,17                                |
| 7120-075 | Flat head screw, 5/16" NC x 3/4"   | 53,55                                 |
| 7272-058 | No. 3 Plow bolt, 7/16" NC x 1 1/2" | 45                                    |
| 7333-001 | Lug bolt, [ stud] 1/2" NF x 1 3/4" | 39                                    |
| 7333-006 | Lug bolt, 1/2" NF x 1"             | 21,23                                 |
| 7333-009 | Lug bolt, 9/16" NF x 1 1/4"        | 25,27,29                              |
| 7342-012 | Carriage bolt, 3/8" NC x 1 1/4"    | 47                                    |
| 7707-001 | Lock nut, N-08                     | 39                                    |
| 7715-871 | Hex nut, 7/8" NC                   | 19,41                                 |
| 7715-875 | Slotted nut, 7/8" NF               | 21,29                                 |
| 7717-255 | Hex nylock nut, 1 1/4" NC          | 7,9,17,19,33,35,37                    |
| 7717-555 | Hex nylock nut, 1 1/2" NC          | 25,27                                 |
| 7721-005 | Hex nut, 5/16" NC                  | 17                                    |
| 7721-008 | Lock nut, 5/16" NC                 | 67                                    |
| 7722-010 | Hex nut, 3/8" NC                   | 47,49                                 |
| 7722-015 | Hex nut, 7/16" NC                  | 45                                    |
| 7722-018 | Nylon lock nut, 7/16" NC           | 47                                    |
| 7722-110 | Hex nut, 3/8" NC                   | 5,7,9,11,13                           |
| 7723-015 | Hex nut, 1/2" NC                   | 17,19,21,23,45                        |
| 7723-116 | Hex lock nut, 1/2" NC, Half height | 49                                    |
| 7723-119 | Lock nut, 5/8" NC                  | 15,49                                 |
| 7723-216 | Hex lock nut, 1/2" NC              | 45                                    |
| 7724-005 | Hex nut, 5/8" NC                   | 5,9,11,13,19,21,23,45,<br>47,51,53,55 |
| 7724-120 | Nylon lock nut, 5/8" NC            | 17                                    |
| 7725-002 | Hex nut, 3/4" NC                   | 5,9,11,13,17,19,21,<br>23,25,27,41    |
| 7725-122 | Lock nut, 3/4" NF                  | 45                                    |
| 7725-138 | Hex jam nut, 7/8" NC               | 19,41                                 |
| 7726-005 | Hex nut, 1" NC                     | 7,9,15                                |
| 7726-012 | Hex nylock nut, 1" NC              | 7,9,11,13,17,51,53,<br>55,57,59       |

Part number Page reference

| Part no. | Description                           | Page no.                           |
|----------|---------------------------------------|------------------------------------|
| 7726-015 | Jam nut, 1" NC                        | 15                                 |
| 7733-001 | Lug nut, 1/2" NF                      | 31,33,35,37                        |
| 7801-001 | Ear washer, W-08                      | 39                                 |
| 7813-015 | Flat washer, 1/2"                     | 49,53,55                           |
| 7814-015 | Flat washer, 5/8"                     | 15                                 |
| 7815-014 | Flat washer, 7/8" A-325 Hardened      | 21                                 |
| 7815-025 | Flat washer, 7/8"                     | 29                                 |
| 7815-875 | Slotted nut, 7/8" UNF std.            | 29                                 |
| 7816-020 | Flat washer, 1"                       | 41,57,59                           |
| 7841-015 | Lock washer, 5/16"                    | 17                                 |
| 7842-010 | Lockwasher, 3/8"                      | 49                                 |
| 7843-015 | Lock washer, 1/2"                     | 17,19,21,23,45<br>47,53,55         |
| 7844-020 | Lock washer, 5/8"                     | 5,9,11,13,19,21,<br>23,45,47       |
| 7845-020 | Lock washer, 3/4"                     | 5,9,11,13,17,19,<br>21,23,25,27,41 |
| 7846-020 | Lock washer, 1"                       | 7,9,17                             |
| 7893-004 | Machine bushing, 1/2" x 10 Ga.        | 49                                 |
| 7896-001 | Machine bushing, 1" x 10 Ga.          | 17                                 |
| 7896-250 | Machine bushing, 1 1/4" x 10 Ga.      | 17,19,31,33,35,37                  |
| 7896-500 | Machine bushing, 1 1/2" x 10 Ga.      | 17,25,27                           |
| 7897-015 | Machine bushing, 1 5/8" x 10 Ga.      | 19,21,23                           |
| 7910-162 | Cotter pin, 5/32" x 1 1/2"            | 5,17,41,51,63                      |
| 7920-010 | Drive line lock pin, 5/16" x 2"       | 17                                 |
| 7920-012 | Hitch pin, 1/2" x 4" W/safety pin     | 45                                 |
| 7932-115 | Woodruff key, 3/8" x 1 1/4"           | 49                                 |
| 8026-033 | Pin, backbone, 1" Dia.                | 5,7,9,11,13                        |
| 8036-025 | Pin, tongue flapper 1 1/2" x 5 13/16" | 17                                 |
| 8036-801 | Pin, wing lock 1" x 6 1/2"            | 17,51                              |
| 8116-003 | Bolt, 1" NC x 6 1/4" Nylock           | 53,55,57,59                        |
| 8116-018 | Bolt, 1" NC 5" Nylock                 | 51,57,59                           |
| 8116-032 | Bolt, 1 1/4" NC x 7" Nylock           | 7,9                                |
| 8116-046 | Bolt, 1" NC x 7 7/8" Nylock           | 7,9,11,13,17                       |
| 8116-601 | Bolt, 1" NC x 5 3/4" Nylock           | 53,55,57,59                        |
| 8116-802 | Bolt, 1 1/4" NC x 3 5/8"              | 17,19,31,33,35,37                  |
| 8117-003 | Bolt, 1 1/2" NC x 4 1/2" Nylock       | 25,27                              |
| 8816-001 | Spring retainer washer                | 15                                 |