



**Fisher Engineering**

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**50600**

**50810**

October 1, 2019

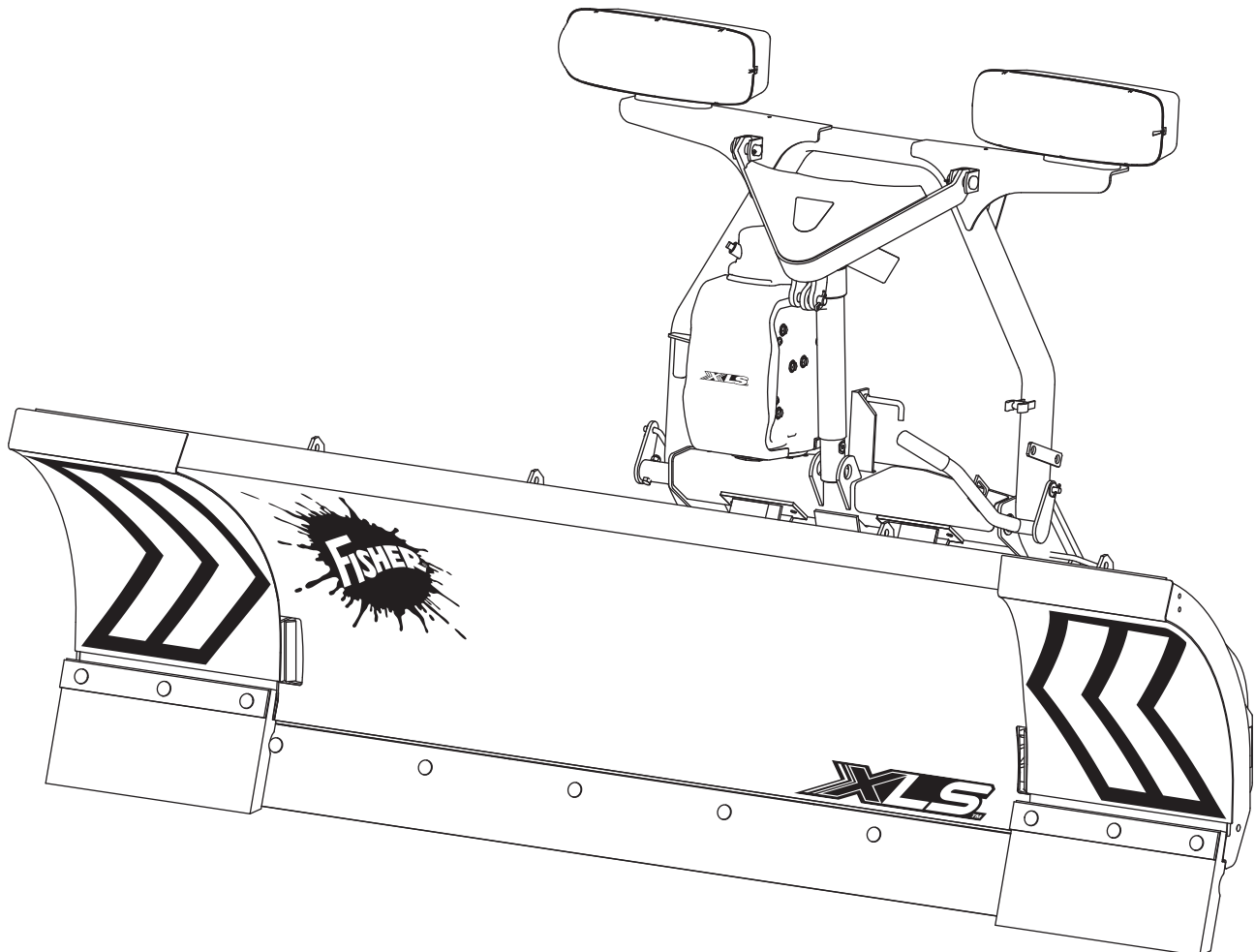
Lit. No. 50578, Rev. 13



## Blade and Off-Truck Kit

**XLS™ Snowplow**

**Parts List**

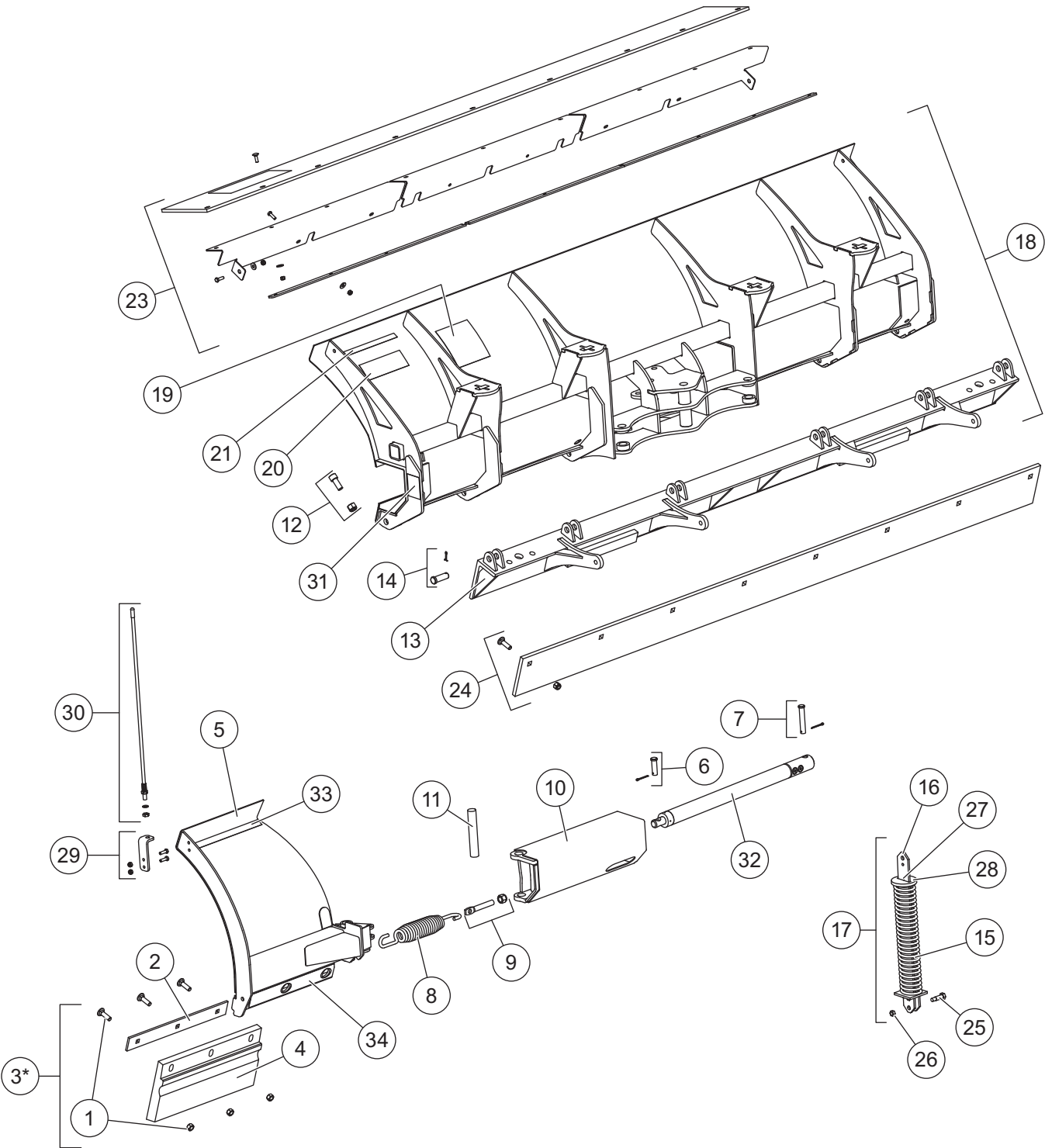




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|                                                            |    |
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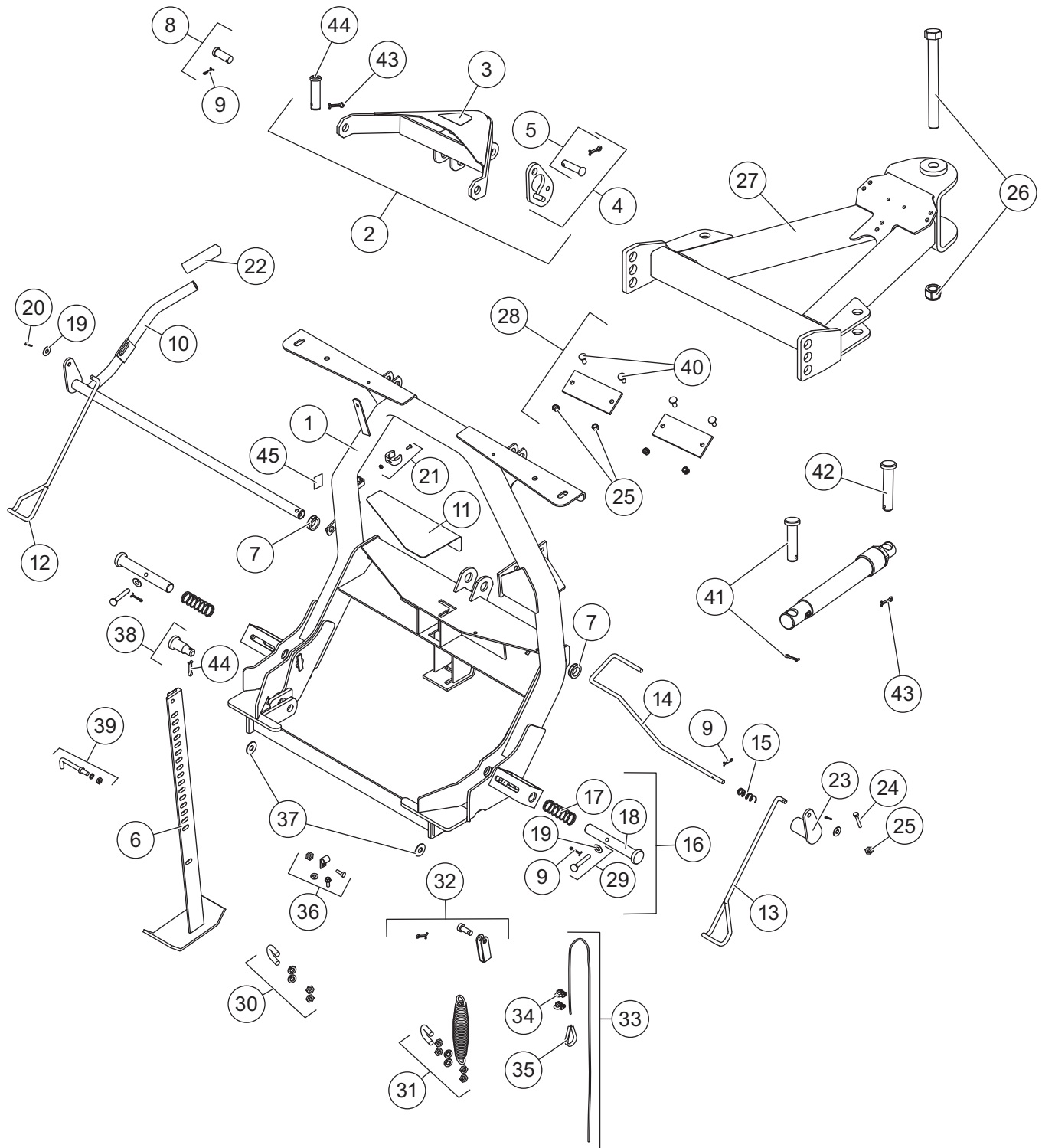
Blade Components



\* Does not include retainer bar (item 2)

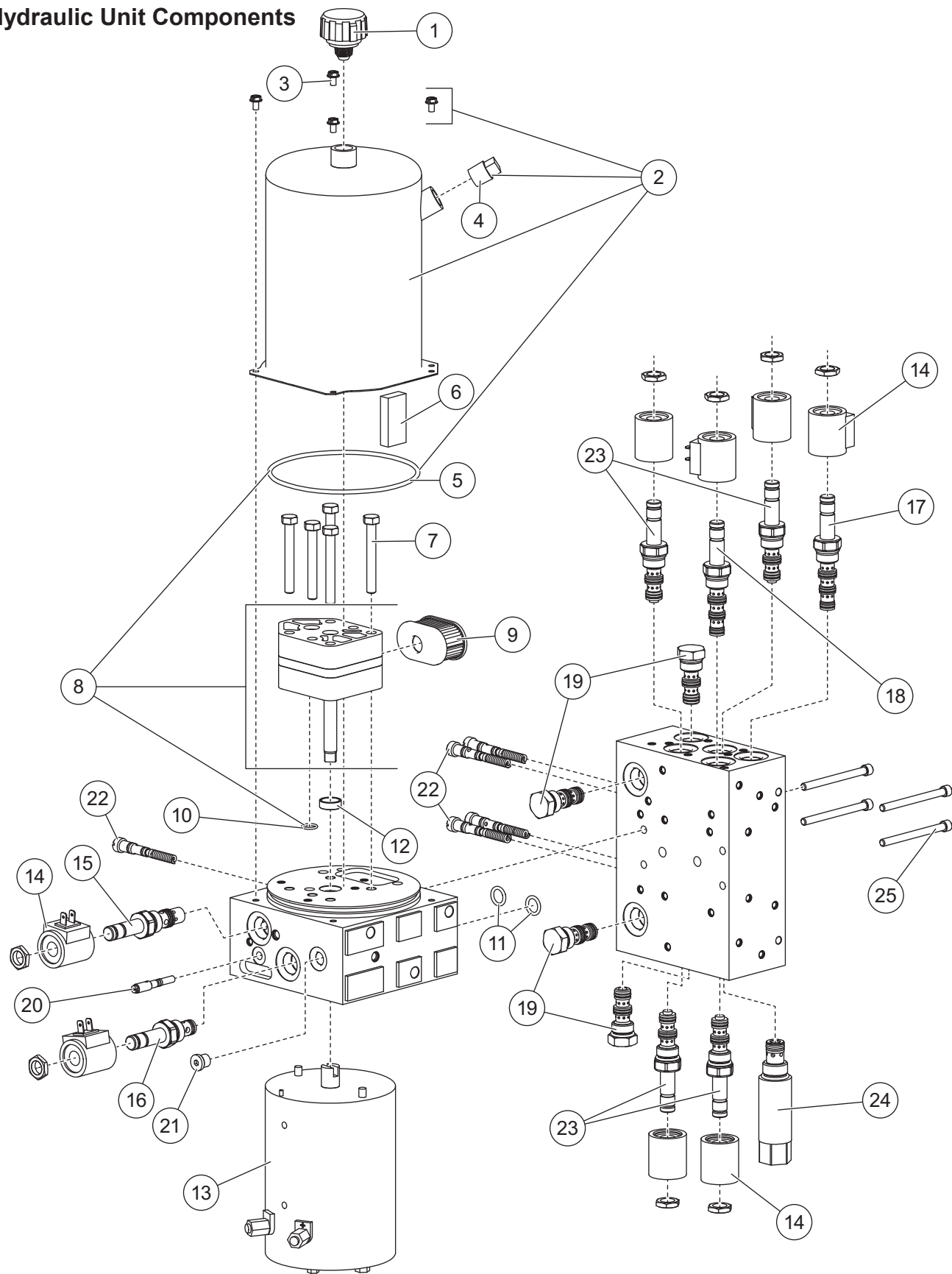
| 50600/50810 XLS™ Blade |       |                                                               |           |         |                                        |
|------------------------|-------|---------------------------------------------------------------|-----------|---------|----------------------------------------|
| Item                   | Part  | Description                                                   | Item      | Part    | Description                            |
| 1                      | 50642 | Bolt Kit, Urethane Edge                                       | 18        | 50666   | XLS Blade                              |
| 2                      | 50643 | Retainer Bar                                                  | 19        | 59900   | Label – Warning/Caution, Snowplows     |
| 3                      | 50626 | Urethane Edge Assembly Kit<br>(does not include retainer bar) | 20        | 26211   | Label – Identity, STORM GUARD™         |
| 4                      | 50645 | Urethane Edge                                                 | 21        | 50604   | Label – Identity, XLS 8'–10'           |
| 5                      | 50647 | DS Blade Wing, XLS                                            | 23        | 50628-1 | Rubber Deflector Kit, XLS              |
| ns                     | 50648 | PS Blade Wing, XLS                                            | 24        | 50678   | Cutting Edge Kit                       |
| 6                      | 50651 | 5/8 x 2 Pin Kit                                               | 25        | 91000   | 1/2 x 1-5/8 Hex Shoulder Bolt G5       |
| 7                      | 50653 | 5/8 x 3-1/2 Pin Kit                                           | 26        | 90353   | 7/16-14 Hex Locknut GB                 |
| 8                      | 50654 | Wing Spring                                                   | 27        | 20181   | 1/4 x 1-1/4 Pin                        |
| 9                      | 50655 | Eyebolt Kit                                                   | 28        | 20191   | Removable Spring Disk                  |
| 10                     | 50656 | DS Blade Slide Box, XLS                                       | 29        | 50646   | Blade Guide Bracket Kit                |
| ns                     | 50657 | PS Blade Slide Box, XLS                                       | 30        | 27195   | Flexible Blade Guide Kit 26"           |
| 11                     | 50660 | Wing Pin                                                      | 31        | 29593   | Label – Warning, Multiple Pinch Points |
| 12                     | 50661 | Stop Bolt Kit                                                 | 32        | B60347  | Hydraulic Cylinder, Slide Box          |
| 13                     | 50662 | Base Angle                                                    | ns        | B60373  | Combo Seal Kit, Cylinder B60347        |
| 14                     | 84844 | 3/4 x 2-3/16 Machine Pin w/Cotter                             | 33        | 50639   | Wear Strip – Wing Top                  |
| 15                     | 50663 | Trip Spring                                                   | 34        | 50638   | Wear Strip – Wing Bottom               |
| 16                     | 50664 | Spring Bar                                                    | ns        | 29639   | Label – Logo, XLS Wings                |
| 17                     | 50665 | Spring Assembly Kit                                           | ns        | 20238   | Label – Logo, FISHER® Splatter         |
|                        |       |                                                               | ns        | 29535   | Label – Identity, XLS ID               |
| ns = not shown         |       |                                                               | G = Grade |         |                                        |

## Headgear and A-Frame Components



| XLS™ Headgear and A-Frame Components                |          |     |                                         |                   |         |           |                                       |
|-----------------------------------------------------|----------|-----|-----------------------------------------|-------------------|---------|-----------|---------------------------------------|
| Item                                                | Part     | Qty | Description                             | Item              | Part    | Qty       | Description                           |
| 1                                                   | 44558-2  | 1   | Headgear                                | 24                | 90043   | 1         | 3/8-16 x 2 Hex Cap Screw G5           |
| 2                                                   | 26757-1  | 1   | Lift Arm Service Kit – Yellow           | 25                | 91333   | 1         | 3/8-16 Hex Locknut GB                 |
| 3                                                   | 26777    | 1   | Nameplate Label – Logo, Minute Mount® 2 | 26                | 50668   | 1         | Pivot Bolt Kit                        |
| 4                                                   | 28991    | 1   | Stop Link Kit                           | 27                | 50669   | 1         | A-Frame Kit                           |
| 5                                                   | 29037    | 1   | 5/8 x 2-5/8 Clevis Pin w/Cotter         | 28                | 50632   | 1         | Stacking Stops Kit                    |
| 6                                                   | 27462    | 1   | Jack                                    | 29                | 26219   | 2         | 3/8 OD x 3-1/4 Clevis Pin Kit         |
| 7                                                   | 27163K   | 1   | Bushing Kit (pkg of 2)                  | 30                | A6148K  | 2         | U-Bolt Assembly Packet                |
| 8                                                   | 4289K    | 2   | 3/4 x 1-7/8 Machine Pin Packet          | 31                | 27534   | 1         | Spring/U-Bolt Kit                     |
| 9                                                   | 90658    | 5   | 5/32 x 1-1/4 Cotter Pin                 | 32                | 27171K  | 1         | 3/8 x 1 Clevis Kit                    |
| 10                                                  | 27468    | 1   | Handle, Link Arm Assembly               | 33                | 27169K  | 1         | Cable Kit                             |
| 11                                                  | 27451    | 1   | Label – Headgear, Minute Mount 2        | 34                | 27075   | 2         | 1/8 Wire Rope Clip                    |
| 12                                                  | 27166K   | 1   | Wire Cam Kit – DS                       | 35                | 26188   | 1         | Thimble, 1/8 Wire Rope                |
| 13                                                  | 27167K   | 1   | Wire Cam Kit – PS                       | 36                | 27172K  | 1         | Clamp Loop Kit                        |
| 14                                                  | 27478    | 1   | Jack Lock                               | 37                | 91192   | 2         | 1-3/4 Round Flat Washer               |
| 15                                                  | 27461    | 1   | 3/4 OD x 3-1/2 Compression Spring       | 38                | 27177K  | 2         | Step Pin Kit                          |
| 16                                                  | 27168K   | 2   | Connecting Pin Kit                      | 39                | 27164K  | 1         | Handle Kit                            |
| 17                                                  | 821      | 2   | 1 ID x 3-1/2 Compression Spring         | 40                | 90201   | 4         | 3/8-16 x 1 Carriage Bolt G5           |
| 18                                                  | 26833    | 2   | 1 x 6-15/16 Pin                         | 41                | 7903K   | 6         | 1 x 4-1/16 Anchor Pin Packet w/Cotter |
| 19                                                  | 90315    | 4   | 3/8 Flat Washer                         | 42                | 22260   | 2         | 1 x 4-3/4 Clevis Pin                  |
| 20                                                  | 91902    | 1   | 1/8 x 1 Cotter Pin                      | 43                | 90601   | 2         | 1/4 x 1-1/2 Cotter Pin                |
| 21                                                  | 27162K-1 | 1   | Stop Clip Kit                           | 44                | 95720   | 2         | 1 x 3-5/16 Clevis Pin HT              |
| 22                                                  | 27535    | 1   | Handle Cover Kit                        | 45                | 69689   | 1         | Label – Logo, SECURITY GUARD™         |
| 23                                                  | 27465    | 1   | Link Arm                                | ns                | 26999-1 | 1         | 5/16 Grade 43 Chain Bag               |
| <b>Item 2 26757-1 Lift Arm Service Kit – Yellow</b> |          |     |                                         |                   |         |           |                                       |
| 3                                                   | 26777    | 1   | Nameplate Label – Logo, Minute Mount 2  | 43                | 90601   | 1         | 1/4 x 1-1/2 Cotter Pin                |
| 4                                                   | 28991    | 1   | Stop Link Kit                           | 44                | 95720   | 1         | 1 x 3-5/16 Clevis Pin HT              |
| <b>Item 4 28991 Stop Link Kit</b>                   |          |     |                                         |                   |         |           |                                       |
|                                                     |          | 1   | Stop Link                               | 5                 | 29037   | 1         | 5/8 x 2-5/8 Clevis Pin w/Cotter       |
| <b>Item 8 4289K 3/4 x 1-7/8 Machine Pin Packet</b>  |          |     |                                         |                   |         |           |                                       |
|                                                     |          | 1   | 3/4 x 1-7/8 Machine Pin                 | 9                 | 90658   | 1         | 5/32 x 1-1/4 Cotter Pin               |
| <b>Item 16 27168K Connecting Pin Kit</b>            |          |     |                                         |                   |         |           |                                       |
| 17                                                  | 821      | 1   | 1 ID x 3-1/2 Compression Spring         | 29                | 26219   | 1         | 3/8 OD x 3-1/4 Clevis Pin Kit         |
| 18                                                  | 26833    | 1   | 1 x 6-15/16 Pin                         |                   |         |           |                                       |
| <b>Item 28 50632 Stacking Stops Kit</b>             |          |     |                                         |                   |         |           |                                       |
|                                                     |          | 2   | Stacking Stop                           | 40                | 90201   | 4         | 3/8-16 x 1 Carriage Bolt G5           |
| 25                                                  | 91333    | 4   | 3/8-16 Hex Locknut GB                   |                   |         |           |                                       |
| <b>Item 33 27169K Cable Kit</b>                     |          |     |                                         |                   |         |           |                                       |
| 34                                                  | 27075    | 2   | 1/8 Wire Rope Clip                      | 35                | 26188   | 1         | Thimble, 1/8 Wire Rope                |
| ns = not shown                                      |          |     |                                         | HT = Heat Treated |         | G = Grade |                                       |

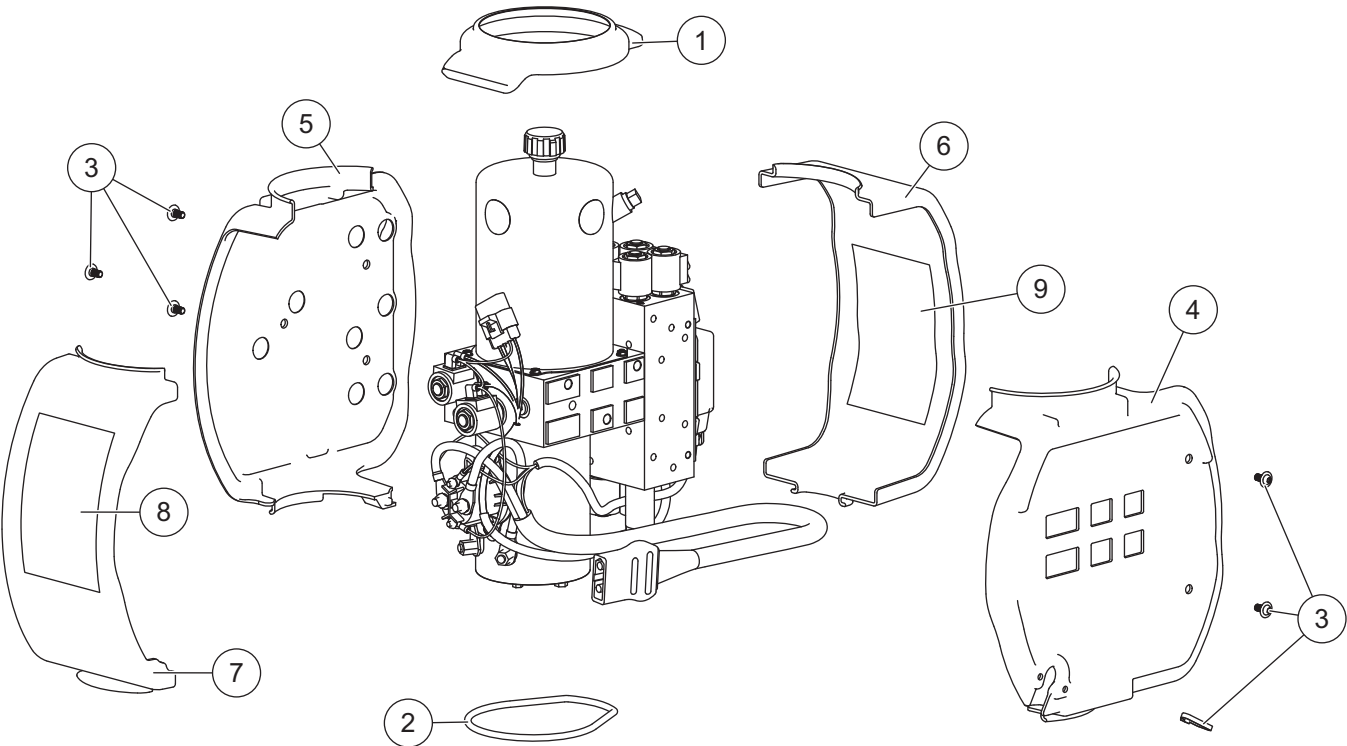
Hydraulic Unit Components





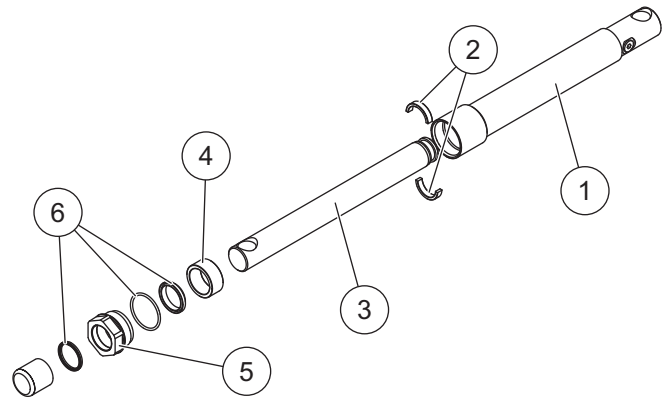
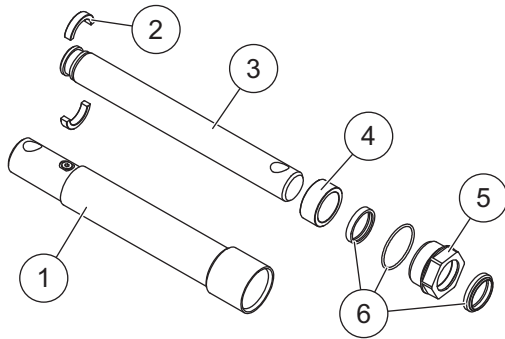
| 49451 Hydraulic Unit XLS™ |          |     |                                                                    |           |         |       |                                                                             |
|---------------------------|----------|-----|--------------------------------------------------------------------|-----------|---------|-------|-----------------------------------------------------------------------------|
| Item                      | Part     | Qty | Description                                                        | Item      | Part    | Qty   | Description                                                                 |
| 1                         | 21727-2  | 1   | Breather Pressure Control                                          | 17        | 49453   | 1     | Valve, SV08-45 w/Nut                                                        |
| 2                         | 44327-3  | 1   | Reservoir Kit                                                      | 18        | 49457   | 1     | Valve, SV08-41 w/Nut                                                        |
| 3                         | 66607    | 4   | #10-24 x 5/16 Machine Screw                                        | 19        | 49459   | 4     | Valve, PC08-30 w/Nut                                                        |
| 4                         | 92079    | 1   | 3/8 Plug NPTF Square                                               | 20        | 56662   | 1     | Quill Assembly 5/16-24 Thread                                               |
| 5                         | 66519    | 1   | O-Ring 2-250                                                       |           | 48517   | 1     | Quill Assembly 1/2-20 Thread                                                |
| 6                         | 73897    | 1   | Magnet                                                             | 21        | 44344   | 1     | 7/16-20 Socket O-Ring Boss Plug                                             |
| 7                         | 90080    | 5   | 5/16-18 x 2-1/2 Hex Cap Screw G5                                   | 22        | 7629K-3 | 2-1/2 | Relief Valve Kit (2 sets)                                                   |
| 8                         | 44329-2  | 1   | Pump Kit                                                           | 23        | 7636K-1 | 4     | Cartridge 30 w/Jam Nut                                                      |
| 9                         | 26781-4  | 1   | Suction Filter                                                     | 24        | 49463   | 1     | Crossover Relief Valve – 4000 psi                                           |
| 10                        | 56274    | 1   | O-Ring -013                                                        | 25        | 29081   | 4     | 1/4-20 x 3 Socket Cap Screw                                                 |
| 11                        | 55587    | 2   | O-Ring -112                                                        | ns        | 29099   | 2     | 1/4-20 x 1/4 Hex Washer-Head Thread-Rolling Screw                           |
| 12                        | 66515    | 1   | Pump Shaft Seal                                                    |           |         |       |                                                                             |
| 13                        | 21500K-1 | 1   | Motor Assembly, 4-1/2"                                             | ns        | 44326   | 1     | 1/4-20 x 1/2 6-Lobe Round Washer-Head Screw (pkg of 5)                      |
| 14                        | 7639K-4  | 8   | Coil With Spade Terminals                                          |           |         |       |                                                                             |
| 15                        | 44331    | 1   | Valve, SVCV08-20 w/Nut                                             | ns        | 44355   | 2     | 1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw                           |
| 16                        | 7634K-5  | 1   | Valve, SV08-2004 w/Jam Nut                                         |           |         |       |                                                                             |
| O-Ring Service Kits       |          |     |                                                                    |           |         |       |                                                                             |
| –                         | 7632K-3  | –   | Back-Up/O-Ring Kit (does not contain O-rings for cartridge valves) | –         | 49259-2 | –     | Seal Kit, Valves SV08-30, -31, -33, -41, -40, -43, -45, SVCV08-20 & PC08-30 |
| –                         | 49258-2  | –   | Seal Kit, Valves SV08-2004, CV08-20, SF08-2015                     | –         | 49464   | –     | Seal Kit, Crossover Relief Valve                                            |
| ns = not shown            |          |     |                                                                    | G = Grade |         |       |                                                                             |

Hydraulic Unit Cover Assembly



| 49454 Cover Assembly |       |     |                                                        |      |       |     |                                       |
|----------------------|-------|-----|--------------------------------------------------------|------|-------|-----|---------------------------------------|
| Item                 | Part  | Qty | Description                                            | Item | Part  | Qty | Description                           |
| 1                    | 44352 | 1   | Top Retainer Ring                                      | 6    |       | 1   | Cover, Side 03                        |
| 2                    | 44366 | 1   | Bottom Retainer Ring                                   | 7    |       | 1   | Cover, Side 04                        |
| 3                    | 44326 | 1   | 1/4-20 x 1/2 6-Lobe Round Washer-Head Screw (pkg of 5) | 8    | 44904 | 1   | Label – Information                   |
| 4                    |       | 1   | Cover, Side 01                                         | 9    | 44906 | 1   | Label – Information                   |
| 5                    |       | 1   | Cover, Side 02                                         | ns   | 49444 | 1   | Label – Identity, XLS™ Hydraulic Unit |
|                      |       |     |                                                        | ns   | 61536 | 1   | Cable Tie, 14"                        |
| ns = not shown       |       |     |                                                        |      |       |     |                                       |

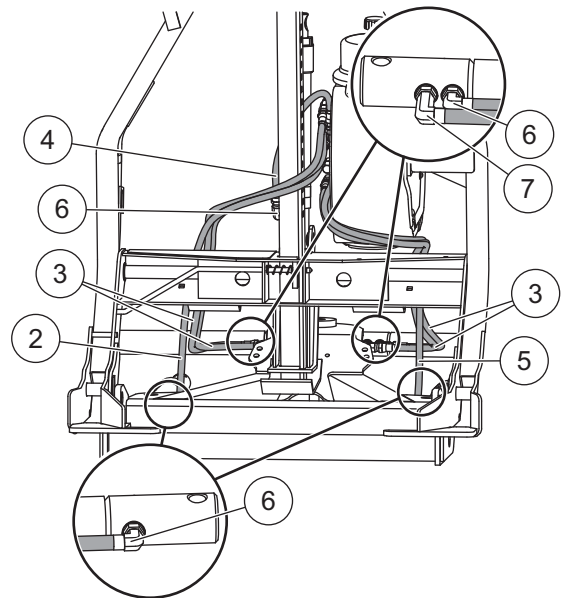
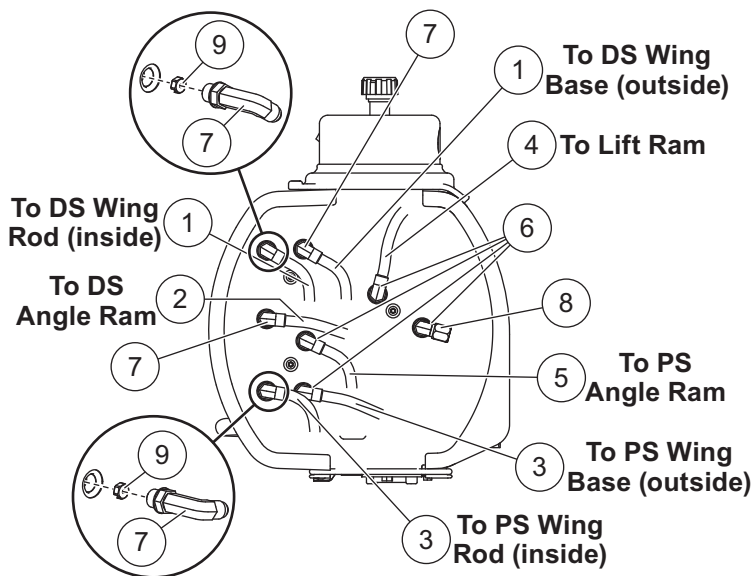
## Lift and Angle Ram Components



| 56600K Lift Ram Assembly 1-1/2 x 10 |        |     |                  |
|-------------------------------------|--------|-----|------------------|
| Item                                | Part   | Qty | Description      |
| 1                                   | 56602  | 1   | Cylinder         |
| 2                                   | 20118K | 1   | Split Bearing    |
| 3                                   | 26981  | 1   | Rod Assembly     |
| 4                                   | 56537  | 1   | Spacer           |
| 5                                   | 29571  | 1   | Gland Nut        |
| 6                                   | 56556  | 1   | PolyPak Seal Kit |

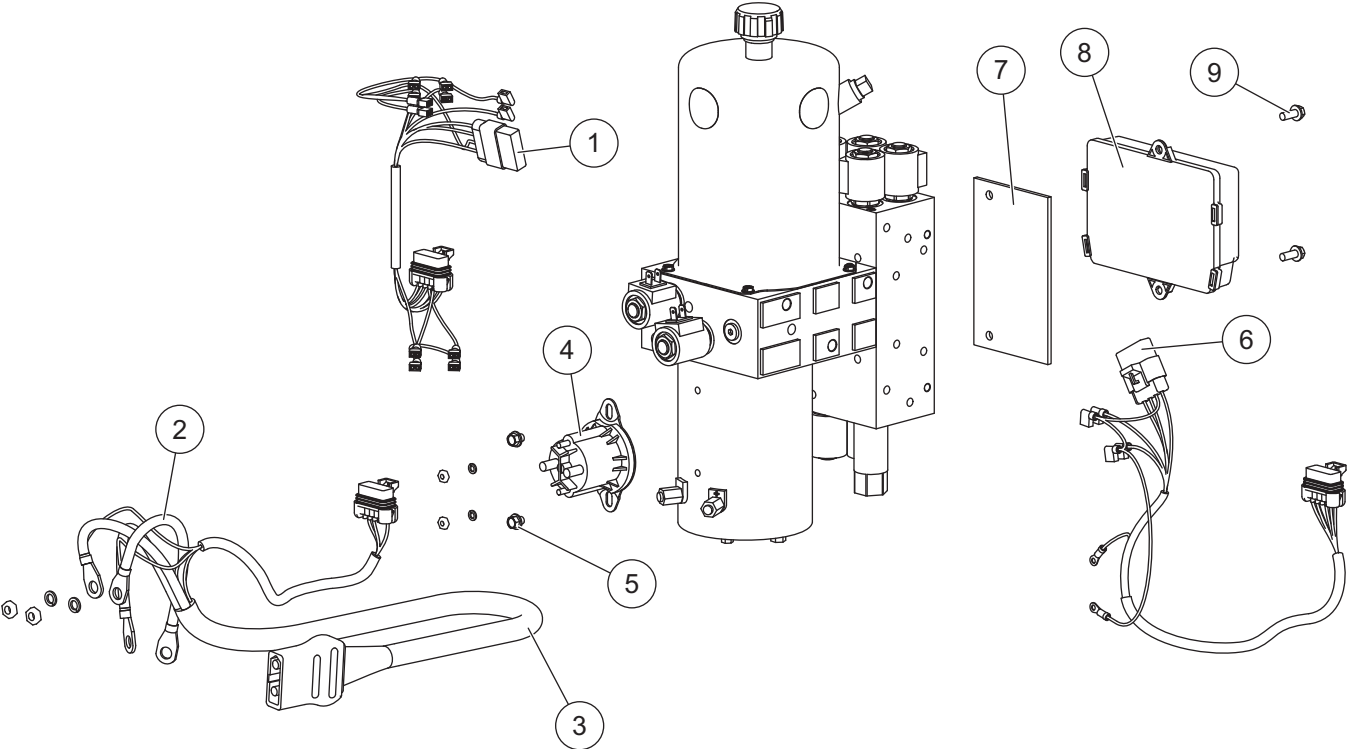
| 49461 Angle Ram Assembly 1-1/2 x 10 |        |     |                  |
|-------------------------------------|--------|-----|------------------|
| Item                                | Part   | Qty | Description      |
| 1                                   | 50399  | 1   | Cylinder         |
| 2                                   | 20118K | 1   | Split Bearing    |
| 3                                   | 26981  | 1   | Rod Assembly     |
| 4                                   | 56537  | 1   | Spacer           |
| 5                                   | 29571  | 1   | Gland Nut        |
| 6                                   | 56556  | 1   | PolyPak Seal Kit |

## Hoses and Fittings



| Hoses and Fittings |       |     |                              |                |        |     |                                          |
|--------------------|-------|-----|------------------------------|----------------|--------|-----|------------------------------------------|
| Item               | Part  | Qty | Description                  | Item           | Part   | Qty | Description                              |
| 1                  | 44868 | 2   | Hose, 3/8 x 60 w/F JIC Ends  | 7              | 44361  | 6   | Elbow, Extra Long 90° –6 M JIC/ –6 M ORB |
| 2                  | 44316 | 1   | Hose, 3/8 x 45 w/F JIC Ends  | 8              | 44345  | 1   | Drain Cap, –6 F JIC                      |
| 3                  | 44867 | 2   | Hose, 3/8 x 57 w/F JIC Ends  | 9              | 49465  | 2   | Orifice Kit                              |
| 4                  | 56754 | 1   | Hose, 1/4 x 18 w/F JIC Ends  | ns             | 56823  | 6   | Hose Wrap, Polyethylene                  |
| 5                  | 44348 | 1   | Hose, 3/8 x 42 w/F JIC Ends  | ns             | 90039  | 3   | 3/8-16 x 1 Hex Cap Screw G5              |
| 6                  | 56725 | 9   | Elbow, 90° –6 M JIC/–6 M ORB | ns             | B63263 | 4   | Label – Warning, Hose Install            |
| F = Female         |       |     |                              | G = Grade      |        |     |                                          |
|                    |       |     |                              | M = Male       |        |     |                                          |
|                    |       |     |                              | ns = not shown |        |     |                                          |

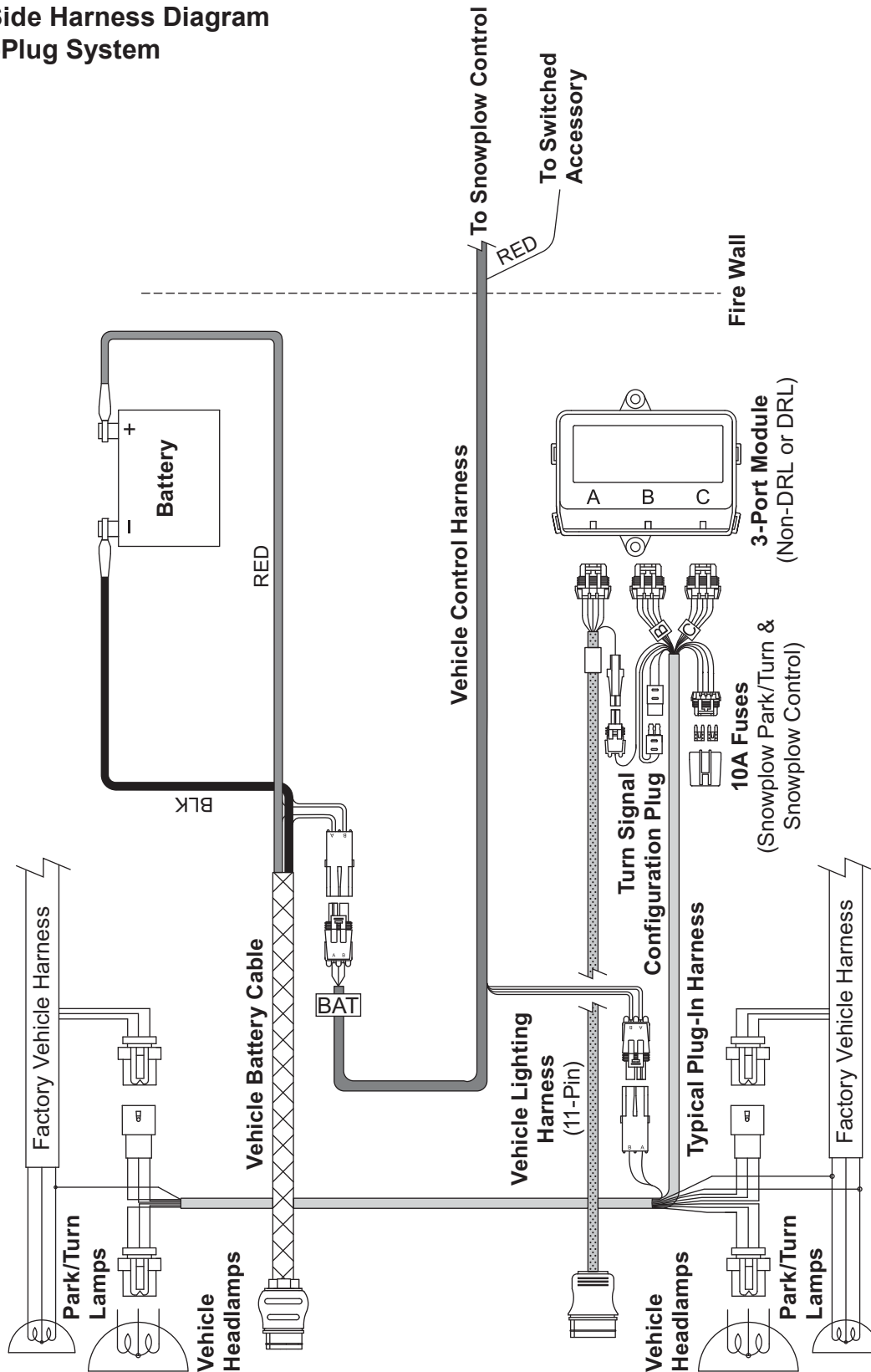
Electrical Components



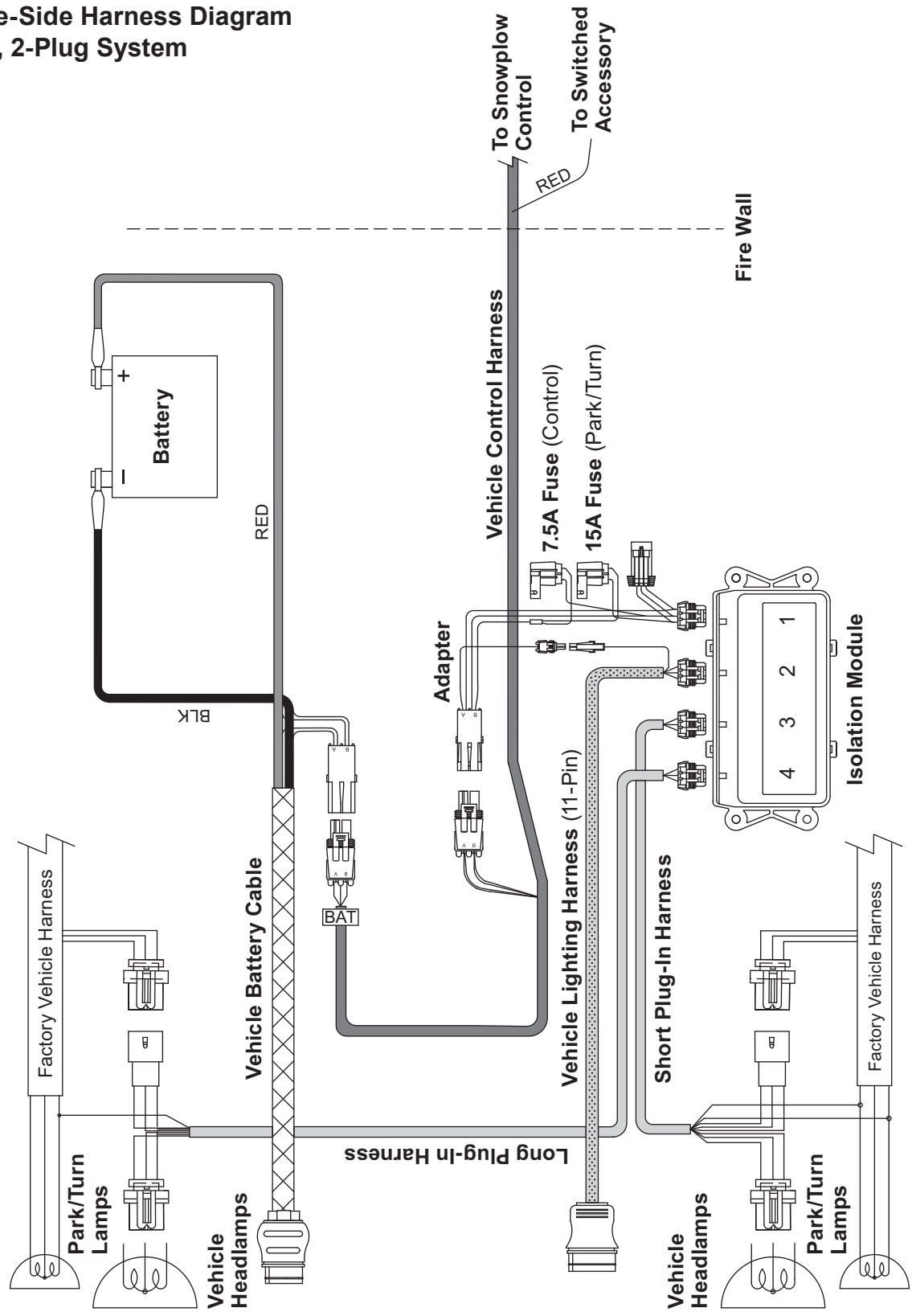
| Plow-Side Electrical Components    |       |     |                                                   |      |         |     |                                                    |
|------------------------------------|-------|-----|---------------------------------------------------|------|---------|-----|----------------------------------------------------|
| Item                               | Part  | Qty | Description                                       | Item | Part    | Qty | Description                                        |
| 1                                  | 29471 | 1   | Plow Control Harness, 6-Solenoid                  | 8    | 44354-3 | 1   | Plow Module                                        |
| 2                                  | 29071 | 1   | Cable Assembly 8"                                 | 9    | 44355   | 2   | 1/4-20 x 5/8 Hex Washer-Head Thread-Rolling Screw  |
| 3                                  | 42015 | 1   | Snowplow Battery Cable                            | ns   | 8284K   | 1   | Cable Boot                                         |
| 4                                  | 42901 | 1   | Motor Relay Kit FLEET FLEX System                 | ns   | 8329K   | 2   | Dielectric Grease (pkg of 2)                       |
| 5                                  | 29099 | 2   | 1/4-20 x 1/4 Hex Washer-Head Thread-Rolling Screw | ns   |         | 4   | Fuse, 4A Mini Automotive-Style (for items 1 and 6) |
| 6                                  | 29461 | 1   | Plow Control Harness, 2-Solenoid                  |      |         |     |                                                    |
| 7                                  | 44308 | 1   | Spacer Module                                     |      |         |     |                                                    |
| Vehicle-Side Electrical Components |       |     |                                                   |      |         |     |                                                    |
| *                                  | 42014 | 1   | Vehicle Battery Cable                             | ns   | 61548K  | 1   | Plug Cover Kit                                     |
| *                                  | 28587 | 1   | Vehicle Control Harness                           |      |         |     |                                                    |
| ns = not shown                     |       |     |                                                   |      |         |     |                                                    |

\* For diagram see Vehicle-Side Harness Diagram – 3-Port, 2-Plug System.

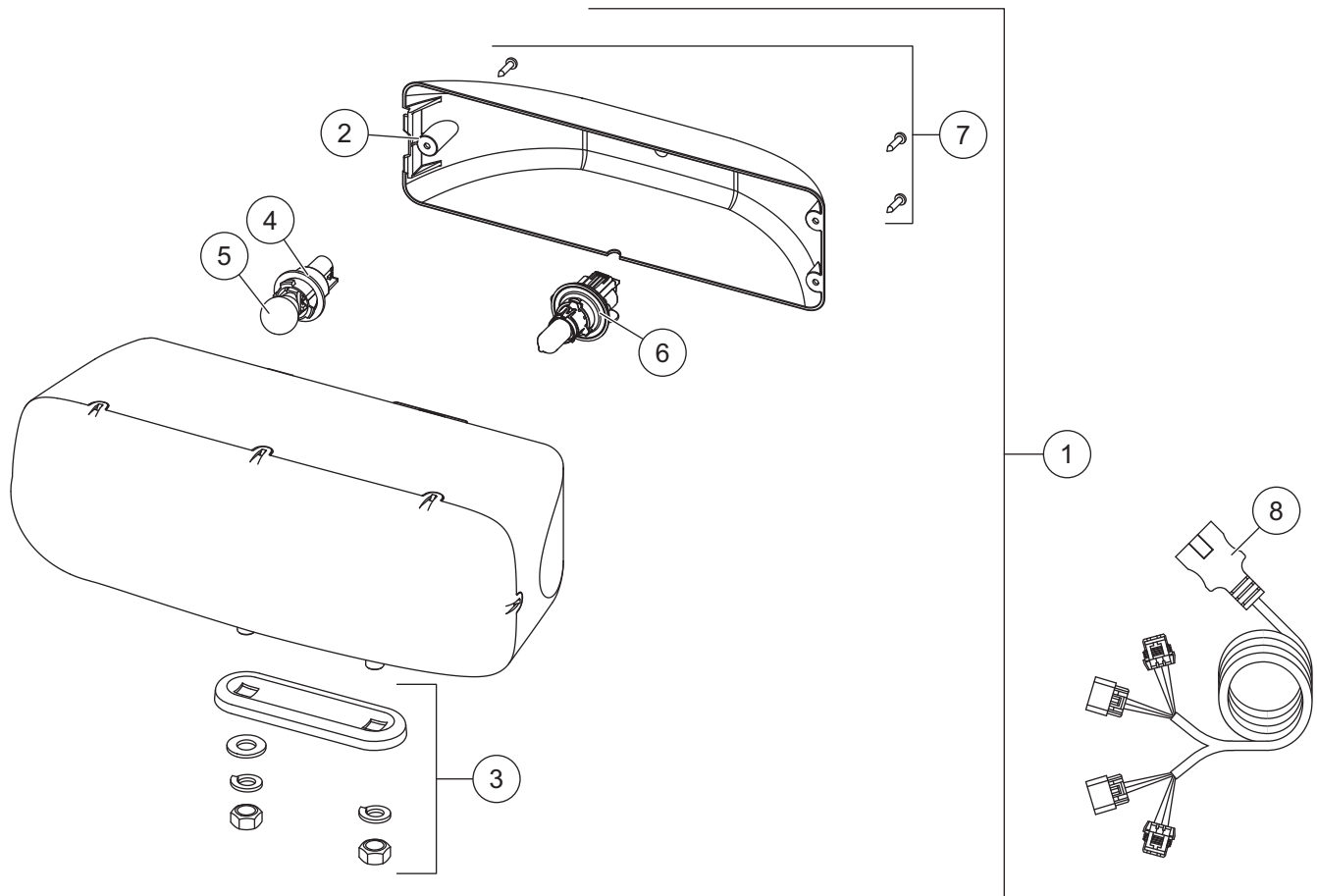
# Vehicle-Side Harness Diagram 3-Port, 2-Plug System



Vehicle-Side Harness Diagram  
4-Port, 2-Plug System



## Headlamp Kit



| 28800-1 Headlamp Kit (pair) |         |     |                                     |      |         |     |                                     |
|-----------------------------|---------|-----|-------------------------------------|------|---------|-----|-------------------------------------|
| Item                        | Part    | Qty | Description                         | Item | Part    | Qty | Description                         |
| 1                           | 28802-1 | 1   | Headlamp Service Kit – PS           | 5    |         | 2   | Park/Turn Bulb (trade no. 4157NAK)  |
| ns                          | 28801-1 | 1   | Headlamp Service Kit – DS           | 6    | 28806   | 2   | Headlamp Bulb Service Kit H13       |
| 2                           | 28803-1 | 2   | Rear Cover Kit (fits 2- or 3-screw) | 7    | 28808-1 | 2   | Cover Screws Service Kit (pkg of 3) |
| 3                           | 28804   | 2   | Mounting Hardware Kit               | 8    | 28213K  | 1   | Harness Service Kit                 |
| 4                           | 28805   | 2   | Park/Turn Socket Service Kit        |      |         |     |                                     |
| ns = not shown              |         |     |                                     |      |         |     |                                     |



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