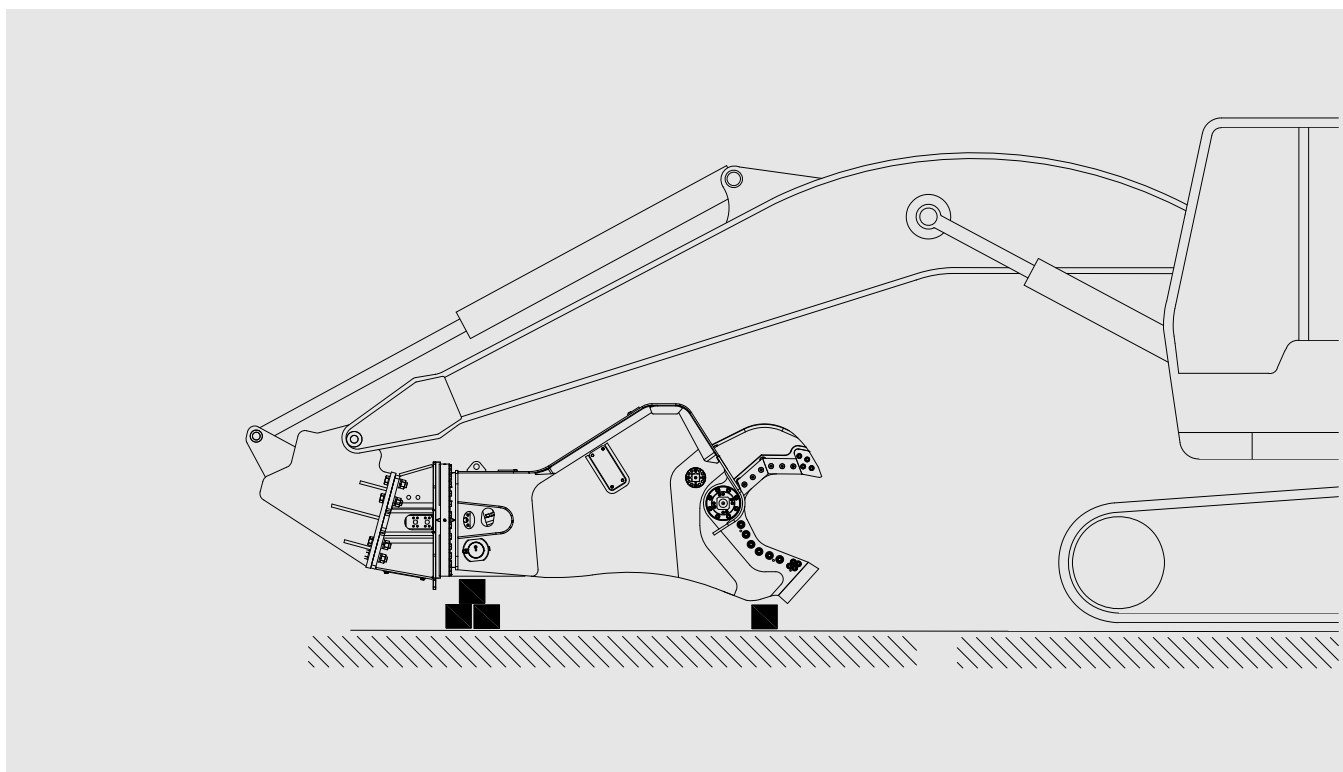


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# Mobile Scrap Shear

Model  
**AMS50-R**  
**AMS50-NR**



## Parts Manual - AMS50 Series

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Keep this manual in a convenient location so that it is easily accessible for future reference. Contact your Allied Dealer or the Allied Customer Service Department for replacement manuals.



PM575888

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Inquiries regarding this manual must include rev date shown on inside cover



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#### Revision History of Document 575888

Allied Construction Products, LLC reserves the right to change, edit, delete or modify the content of this document, including descriptions, illustrations and specifications without prior notification. Specifications are based on published information at the time of publication. Go to [www.alliedcp.com](http://www.alliedcp.com) for product or document updates.

| <b><u>Effective Date</u></b> | <b><u>Page</u></b> | <b><u>Summary of Change</u></b>                                                             |
|------------------------------|--------------------|---------------------------------------------------------------------------------------------|
| Mar, 2016                    | 10                 | Table 3.6 item 9 part number change to 658819                                               |
| Mar 28, 2013                 |                    | Add parts tables and figures to include AMS050-NR 576201.                                   |
| May 10, 2012                 | 23, 24             | Revise Table 3.1, 3.2 Add label 576092. Revise Table 3.4, Add Fig 0840-10.00.B & Table 3.13 |
| May 9, 2012                  | 4                  | Revise Fig "A" Rotation & Drain location                                                    |
| Mar 8, 2012                  | All                | 1 <sup>st</sup> Edition 575888_effective12mar                                               |

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## 1.0 Introduction and Scope

### 1.1 Purpose of This Manual

The Parts Manual has been prepared to assist with the identification of parts used in the assembly of the product name in Table 1.1. Figures depicted in this manual are for purposes of identification of parts in need of replacement. Illustrations may not be applicable to all models and may show equipment that is optional. Parts Manuals are not intended for use in the repair or service of the Allied equipment.

Content included in the Parts Manual:

- Components are identified through the use of illustrations, item key, part name, quantity and description.
- Safety and information labels that are displayed on the equipment.
- An order form is provided at the back of this manual

Material presented in this manual, including illustrations and descriptions, is intended solely for use with the equipment identified in Table 1.1 and may not be suitable for other models.

Prior to use, confirm that the information recorded on the equipment's identification label corresponds with Table 1.1. For the location of this label, refer to Section 2.0.

**Table 1.1 About This Manual**



|                                                                                       |                         |
|---------------------------------------------------------------------------------------|-------------------------|
| Document ID.                                                                          | PM575888                |
| Category                                                                              | Spare Parts Replacement |
| Current Status                                                                        | See Inside Cover        |
| Product Name:                                                                         | Mobile Scrap Shear      |
| Applicable Model[s]:                                                                  | AMS050R, AMS050NR       |
| Years of Manufacture:                                                                 | 2012                    |
| Inquiries regarding this manual must include the effective date shown on inside cover |                         |

The document identified in Table 1.1 is published solely for information purposes and should not be considered all-inclusive. If further information is required, contact your local Allied dealer or the Allied Customer Service Department.

The content of this document has been reviewed for accuracy. Allied Construction Products, LLC has endeavored to deliver the highest degree of accuracy possible and has made every effort to provide information as complete as possible for this document. However, continuous improvement of our products is an Allied policy. The material in this publication, including descriptions, illustrations and specifications, describes the product at the time of its printing, and may not reflect the product in the future. Changes made to the manual's content are noted on the inside cover.

### 1.2 How To Order Replacement Publications

This manual is an integral part of this product. Keep it in a convenient location so that it is easily accessible for future reference.

Replacement manuals may be ordered by contacting your Allied dealer service center. These manuals may also be viewed and downloaded at: [www.alliedcp.com](http://www.alliedcp.com)

### 1.3 Related Publications

Allied Construction Products, LLC offers the following publications for the product identified in Table 1.1.

#### **Safety, Operation & Maintenance Manual 575886**

For use with Models AMS30, AMS40, AMS50, AMS100

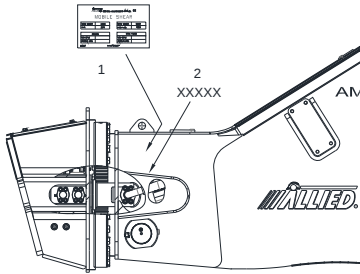
Safety, Operation & Maintenance Manuals are prepared to assist the operator and maintenance personnel with the information necessary for the safe and proper use of the Allied equipment.

Content included in the Safety, Operation & Maintenance Manual:

- Safety Information
- Equipment Identification
- Technical Data (Weight & dimensions)
- Installation and Set-up
- Pre-Operation Inspection
- How to Operate the Equipment
- Maintenance Schedule
- Lubrication
- Cutting Blades – Inspection / Changing
- Basic Troubleshooting Guidelines
- Transporting, Removal, Lifting, & Storage

## 2.0 Equipment Identification

### 2.1 Serial Number Location



**Fig 2-1 Equipment Identification**

Refer to Figure 2-1. The Serial Number assigned to this equipment is found in the following locations:

1. The Equipment Identification Label
2. Stamped on the guard.

### 2.2 Equipment Identification Tag

|                                           |      |                  |       |
|-------------------------------------------|------|------------------|-------|
| 3900 Kelley Avenue Cleveland OH 44114 USA |      |                  |       |
| MOBILE SHEAR                              |      |                  |       |
| MODEL NUMBER                              | AMS0 | SERIAL NUMBER    | 85000 |
| YEAR                                      | 2012 | WEIGHT LBS.      | 13625 |
| ROTATION                                  |      | OPEN / CLOSE     |       |
| FLOW (GPM)                                |      | FLOW (GPM)       |       |
| PRESSURE (PSI)                            |      | PRESSURE (PSI)   |       |
| 845001                                    |      | www.alliedcp.com |       |

**Fig 2-2 Equipment Identification Label**

The Equipment Identification Tag is affixed to the housing. It provides the following information:

- Manufacturer's name
- Address
- Product name
- Model number
- Serial number
- Year of manufacture
- Weight

Confirm that the information contained on the Tag corresponds with the information provided in Section 1, Table 1.1.

### 2.3 Owner's Record of the Equipment

- Record the Model and Serial Number from the Equipment Identification Tag to the space provided below.
- Indicate the date in which the Allied equipment was placed into service.

Model / Part No. AMS050-R / 575770

Model / Part No. AMS050-NR / 576201

Serial No. \_\_\_\_\_

In Service Date \_\_\_\_\_

Product Registration  
Date \_\_\_\_\_

- Your local Allied dealer requires this information to better assist you with questions regarding parts, warranty, operation, maintenance, or repair.

Register this equipment by returning the completed warranty registration form to Allied.

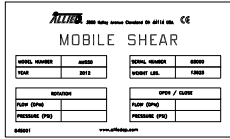
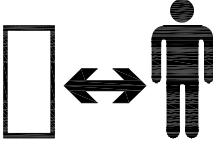
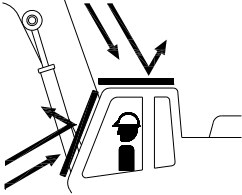
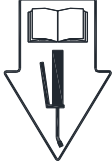
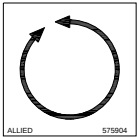
### 3.0 Spare Parts Identification

#### 3.1 Safety and Information Labels

Information labels affixed to the Allied equipment include safety warnings, identification and instructions important to operation and service. Table 3.1 identifies and describes each label.

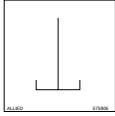
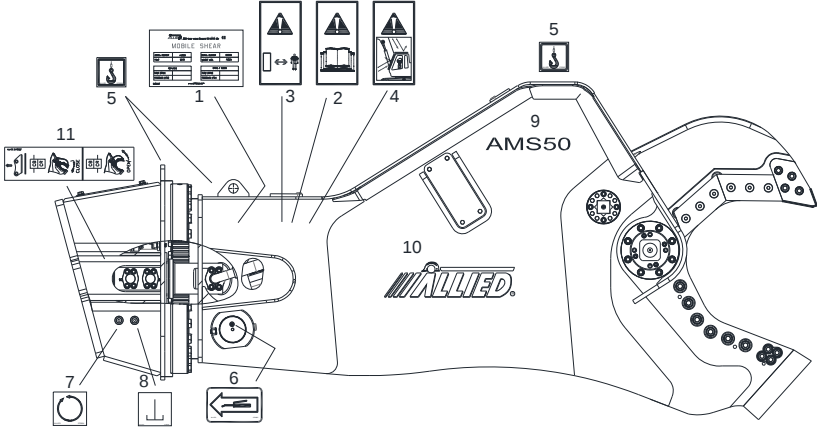
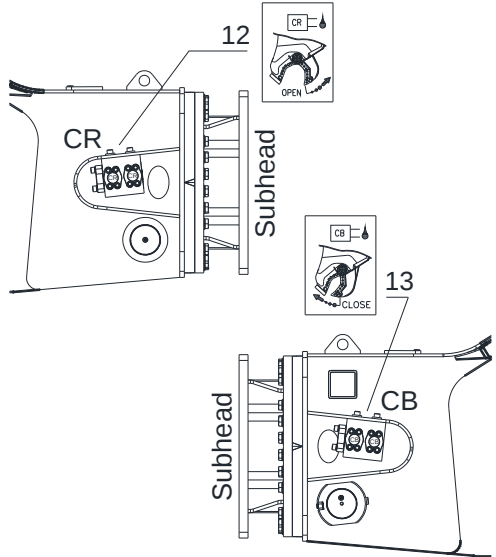
Words and illustrations must be readable. Keep all safety labels clean. Replace damaged or missing labels before operating this equipment. Refer to Table 3.2 for ordering information. Refer to Figure "A" and "AA" for their location on the equipment.

**Table 3.1 Safety and Information Labels**

| Figure | Label                                                                               | Description                                                                                                                                                                            |
|--------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      |    | <b>EQUIPMENT ID</b> - Contains identifying information about the equipment, including: Product name, model number, serial number, company name and address.                            |
| 2      |    | <b>SAFETY ALERT SYMBOL / READ THE MANUAL</b> - Directs personnel to the manual for safety-related precautions and further instructions regarding operation and maintenance procedures. |
| 3      |   | <b>STAY CLEAR</b> – Alerts personnel and by-standers to maintain a safe distance from the work tool during operation.                                                                  |
| 4      |  | <b>FLYING DEBRIS HAZARD</b> – Alerts of the need for a protective guard to shield the operator from debris generated when the work tool is in operation.                               |
| 5      |  | <b>LIFT POINT</b> – Marks lift points for safe handling of the work tool.                                                                                                              |
| 6      |  | <b>LUBRICATION</b> – Marks lubrication points on the equipment.                                                                                                                        |
| 7      |  | <b>ROTATION</b> – Marks the location of hydraulic connection port for motor rotation. Pictogram indicates rotation is bi-directional 360°.                                             |

### 3.1 Spare Parts Identification

Table 3.1 Safety and Information Labels [cont'd]

| Figure                                                                                                                                                                                                                                                                 | Label                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8                                                                                                                                                                                                                                                                      |    | <b>MOTOR CASE DRAIN CONNECTION</b> – Marks the location of the connection port for the hydraulic motor's case drain. Hydraulic symbol, used in standard fluid power, identifies connection to tank.                                                                                                                                                                                                     |
| 9                                                                                                                                                                                                                                                                      | <b>AMS50</b>                                                                        | <b>MODEL</b> – Identifies the Model of the Allied Mobile Shear                                                                                                                                                                                                                                                                                                                                          |
| 10                                                                                                                                                                                                                                                                     |    | <b>ALLIED LOGO</b> – The Allied brand identifier and is a registered trademark of Allied Construction Products, LLC.                                                                                                                                                                                                                                                                                    |
| 11                                                                                                                                                                                                                                                                     |    | <b>ROTATION TYPE MODELS - HYDRAULIC SWIVEL CONNECTIONS "CB" and "CR"</b> - Figures showing oil flow to the hydraulic swivel and action of jaw. Ports nearest bracket are stamped "CB" (Cylinder Barrel). Ports nearest to slewing bearing are stamped "CR" (Cylinder Rod). Observe the orientation arrow displayed above the mounting bracket when applying labels on the LH & RH sides of the subhead. |
| 12,13                                                                                                                                                                                                                                                                  |  | <b>NON-ROTATION TYPE MODELS - HYDRAULIC CONNECTIONS "CB" and "CR"</b> – Oil drop next to connection port and action of jaw open / close. Oil flow at CB connection closes jaw. Oil flow at CR connection opens jaw.                                                                                                                                                                                     |
|  <p>Fig. "A" Label Position – R Type Shown</p>  <p>Fig. "AA" Label Position – NR Type Shown</p> |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                         |

Some illustrations may not be applicable to both AMS-R and AMS-NR  
(R) Rotation, (NR) Non-Rotation

### 3.1 Spare Parts Identification

**Table 3.2 Safety & Information Labels**

| Pos | Name             | Part No.      | Description / Specification                 | Qty    | Note |
|-----|------------------|---------------|---------------------------------------------|--------|------|
| --- | <b>Label Set</b> | <b>575945</b> | <b>AMS-R Includes Items 2-10</b>            | 1      |      |
| --- | <b>Label Set</b> | <b>576593</b> | <b>AMS-NR Includes Items 2-6,9,10,12,13</b> | 1      |      |
| 1   | Label            | 845001        | Equipment Identification                    | 1      | 1    |
| 2   | Label            | 676984        | Pictogram, Read Instructions                | 2      |      |
| 3   | Label            | 840156        | Pictogram, Stay Clear                       | 2      |      |
| 4   | Label            | 575948        | Pictogram, Guards Installed                 | 2      |      |
| 5   | Label            | 676982        | Pictogram, Lift Point                       | 3      |      |
| 6   | Label            | 676985        | Pictogram, Lube Point                       | 12,(6) | 3    |
| 7   | Label            | 575904        | Pictogram, Rotation-Bi-directional 360°     | 2      | 3    |
| 8   | Label            | 575905        | Pictogram, Drain Line Connection            | 2      | 3    |
| 9   | Label            | 575906        | Model AMS 50                                | 2      |      |
| 10  | Label            | 676656        | Allied Logo                                 | 2      |      |
| 11  | Label            | 576092        | Cylinder Action "CB" Close / "CR" Open      | 2      | 2,3  |
| 12  | Label            | 576602        | CR= Cylinder Rod Jaw Open                   | 1      | 4    |
| 13  | Label            | 576603        | CB= Cylinder Barrel Jaw Close               | 1      | 4    |

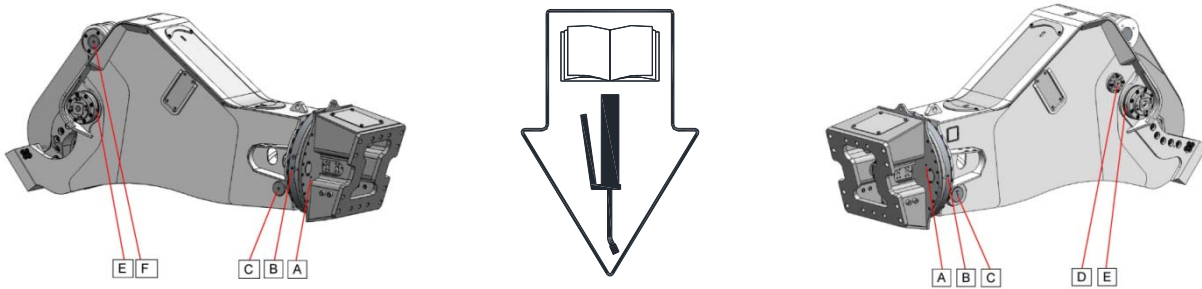
**Notes**

- 1: Not Included in Label Set
- 2: Apply label to LH & RH side of the subhead while observing the arrow's orientation of the mounting bracket.
- 3: Label not included in "NR" type label set. Lube Qty reduced to (6).
- 4: Label not included in "R" type label set.

**Table 3.3 Lubrication Points**

| Pos | Part Name                 | Qty |
|-----|---------------------------|-----|
| A   | Gear, slewing ring        | 2   |
| B   | Bearing, slewing ring     | 4   |
| C   | Cylinder pin (bottom end) | 2   |

| Pos | Part Name              | Qty |
|-----|------------------------|-----|
| D   | Auto-guide/Puck        | 1   |
| E   | Main shaft             | 2   |
| F   | Cylinder pin (rod eye) | 1   |



**Fig. B Lubrication Points\***

\*Lubrication points A & B are not applicable to AMS-NR

### 3.2.0 Spare Parts Identification

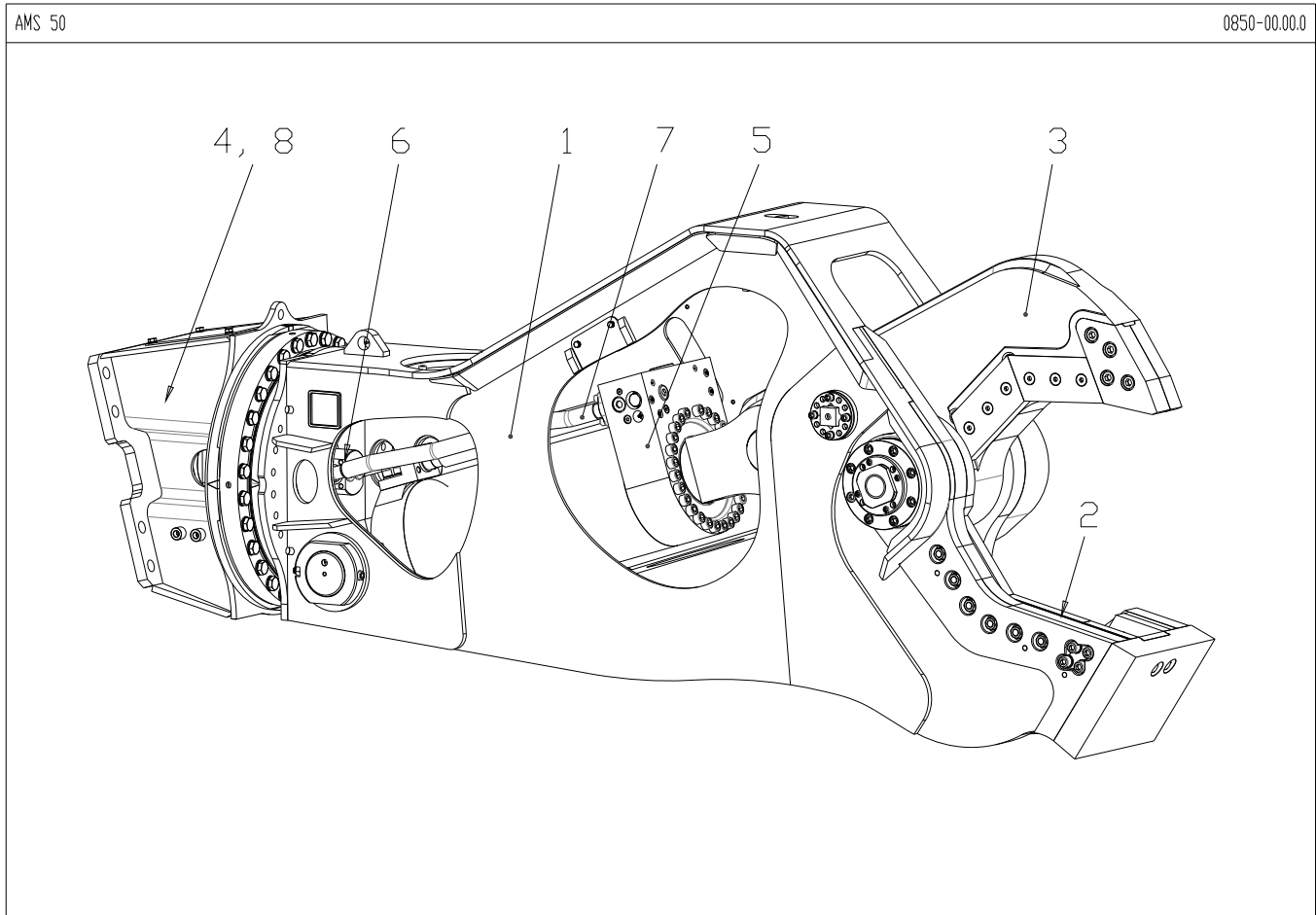


Fig. 0850-00.00 AMS050-R\* Model Shown

**Table 3.4 Scrap Shear Sub-Assemblies 0850-00.00**

| Pos  | Name                     | Assembly     | Figure       | Page | Section | Table      |
|------|--------------------------|--------------|--------------|------|---------|------------|
| 1    | Shear Body Assembly      | 0850-01.00.0 | 0850-01.01.0 | 7    | 3.2.1   | 3.5        |
| 2    | Lower Jaw Assembly       | 0850-02.00.0 | 0850-02.00.0 | 9    | 3.2.2   | 3.6        |
| 3    | Upper Jaw Assembly       | 0850-03.00.0 | 0850-03.00.0 | 11   | 3.2.3   | 3.7        |
| 4*   | Subhead – R & NR Ass'y   | 0840-04.00.B | 0840-04.00.B | 13   | 3.2.4   | 3.8, 3.9   |
| 5    | Hydraulic Cylinder Ass'y | 0850-05.00.0 | 0850-05.00.0 | 15   | 3.2.5   | 3.10       |
| 6*   | Hydraulic Swivel Ass'y   | 0840-06.00.A | 0840-06.00.A | 17   | 3.2.6   | 3.11       |
| 7    | Hydraulic Hoses          | 0850-07.00.0 | 0850-07.00.0 | 19   | 3.2.7   | 3.12, 3.13 |
| 8    | Hydraulic Connections    | 0840-09.00.B | 0840-09.00.B | 21   | 3.2.8   | 3.14, 3.15 |
| ---* | Hoses Inside Subhead     | 0840-10.00.B | 0840-10.00.B | 23   | 3.2.9   | 3.16       |

\*AMS-(R) Rotation. Not applicable to AMS-NR (NR) Non-Rotation

### 3.2.1 Spare Parts Identification

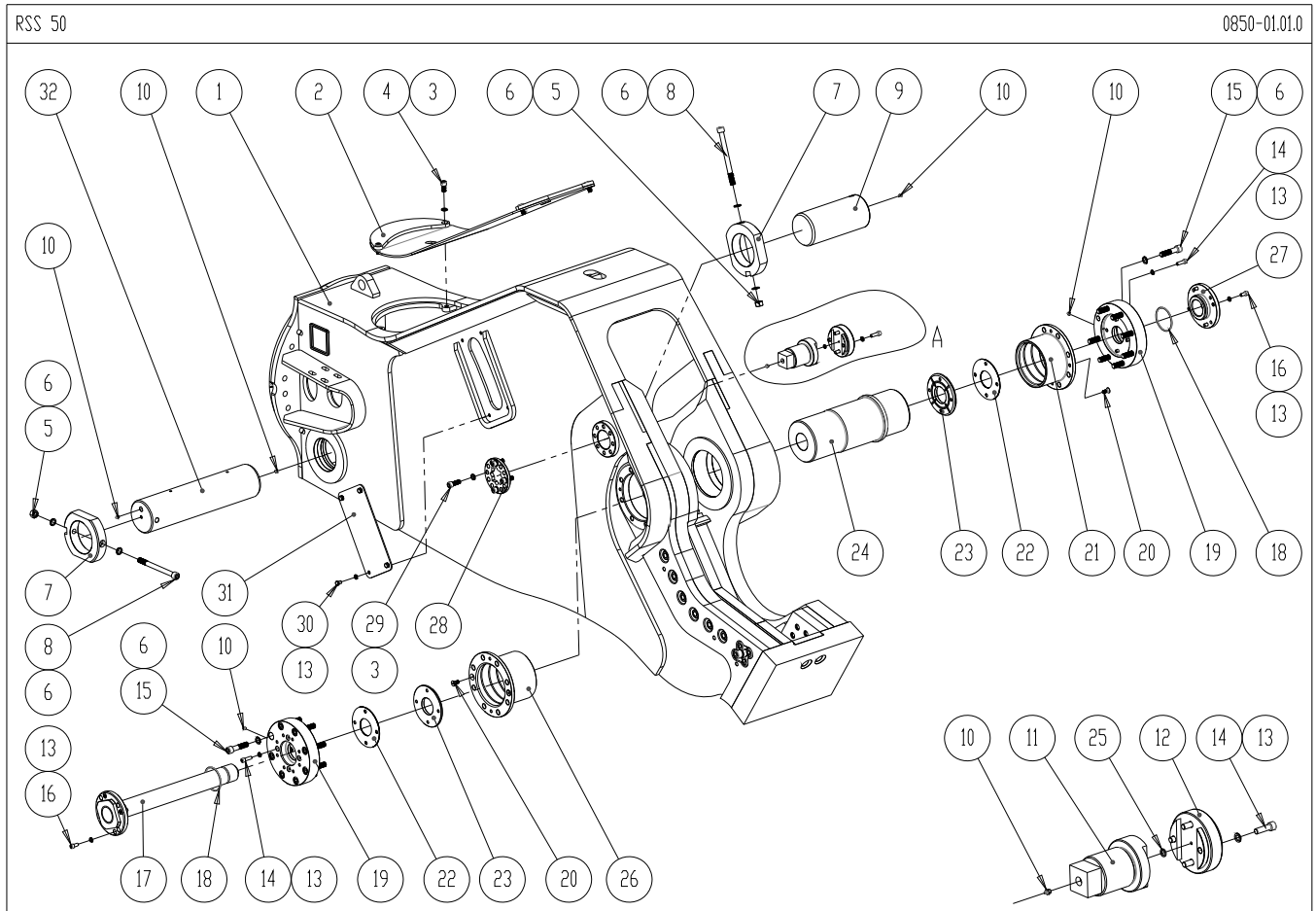


Fig. 0850-01.01.0 Shear Body Assembly

### 3.2.1 Spare Parts Identification

**Table 3.5 Shear Body Assembly Fig.**

| Pos | Name                  | Part No.       | Specification | Qty | Note |
|-----|-----------------------|----------------|---------------|-----|------|
| 1   | Shear Body            | ----           |               | 1   | 1    |
| 2   | Main Cover            | PR0850022      | Shear Body    | 1   |      |
| 3   | Washer                | 90597          | M16 (NL Pair) | 8   |      |
| 4   | Socket Head Bolt      | 951620         | M16 x 30      | 4   |      |
| 5   | Hex Nut               | 575811         | M20           | 2   |      |
| 6   | Washer                | 91010          | M20 (NL Pair) | 20  |      |
| 7   | Pin Keeper            | PR0850020      |               | 2   |      |
| 8   | Socket Head Bolt      | 575812         | M20 x 240     | 2   |      |
| 9   | Pin                   | PR0850021      | Front         | 1   |      |
| 10  | Grease Nipple         | 90201          |               | 6   |      |
| 11  | Slide Screw           | PR0850008      |               | 1   |      |
| 12  | Slide Puck            | PR0840025      |               | 1   |      |
| 13  | Washer                | 91012          | M12 (NL Pair) | 20  |      |
| 14  | Socket Head Bolt      | 90564          | M12 x 40      | 12  |      |
| 15  | Socket Head Bolt      | 900005         | M20 x 90      | 16  |      |
| 16  | Socket Head Bolt      | 575816         | M12 x 25      | 8   |      |
| 17  | WLDT Tie Rod          | PR0850018      |               | 1   |      |
| 18  | O-Ring                | ZZOR10000590   |               | 2   |      |
| 19  | End Cap               | PR0850014      |               | 2   |      |
| 20  | Flat Head Socket Bolt | 575818         | M12 x 30      | 4   |      |
| 21  | Main Bearing          | PR0850013      | L.H.          | 1   |      |
| 22  | Shim Pivot Group      | PR0850044      |               | 1   |      |
| 23  | Thrust Bearing        | PR0850011      |               | 2   |      |
| 24  | Main Shaft            | ----           |               | 1   | 1    |
| 25  | Kant seal             | ZZOR009340165K |               | 1   |      |
| 26  | Main Bearing          | PR0850012      | R.H.          | 1   |      |
| 27  | Nut                   | PR0850016      | Tie Rod       | 1   |      |
| 28  | Lock                  | PR0840044      |               | 1   |      |
| 29  | Socket Head Bolt      | 91005          | M16 x 45      | 4   |      |
| 30  | Hex Head Bolt         | 575838         | M12 x 16      | 4   |      |
| 31  | Cover                 | PR0850019      | Side          | 2   |      |
| 32  | Pin                   | PR0850009      | Rear          | 1   |      |

1. Non-serviceable item

### 3.2.2 Spare Parts Identification

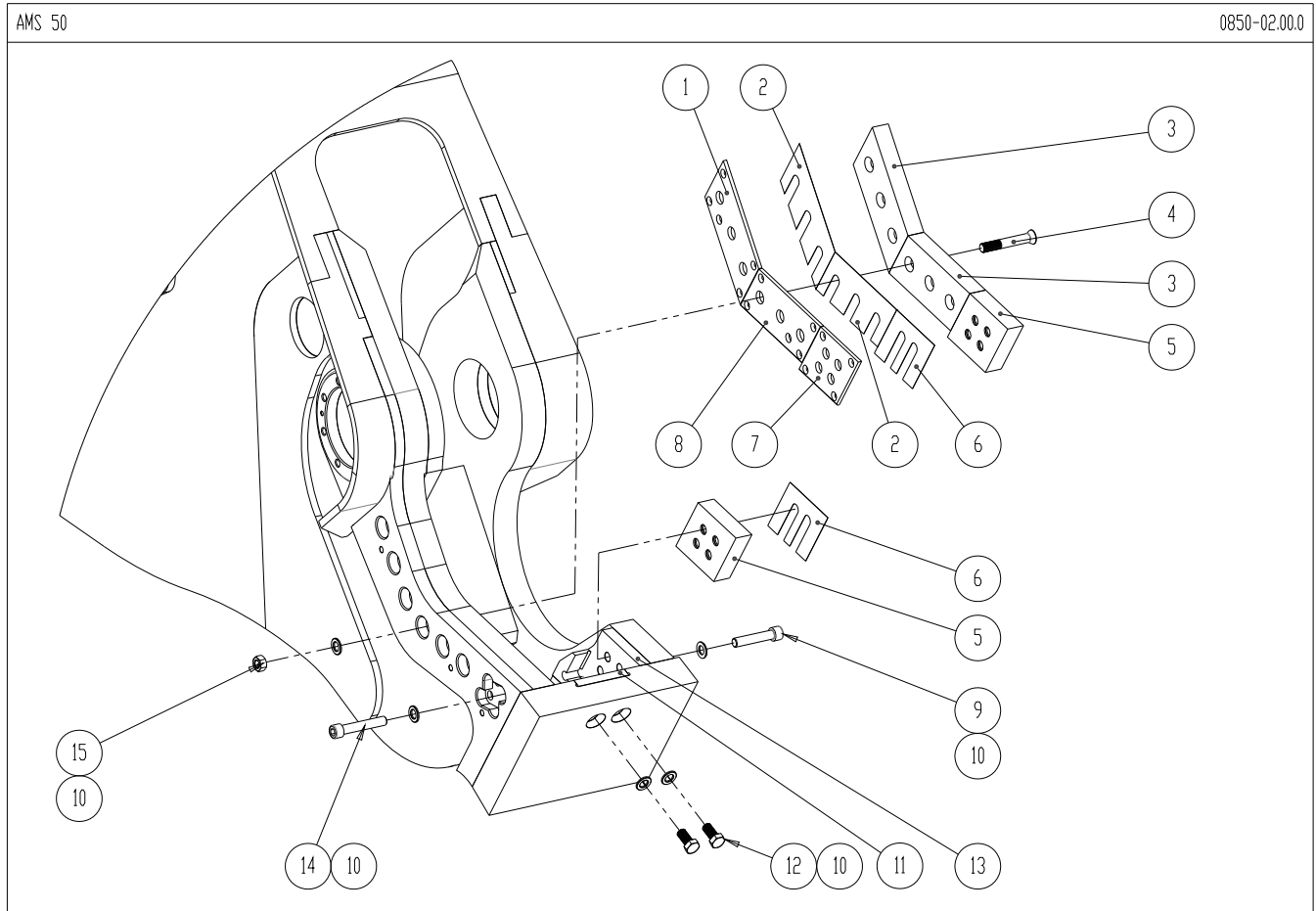


Fig. 0850-02.01.0 Lower Jaw Assembly

### 3.2.2 Spare Parts Identification

Table 3.6 Lower Jaw Assembly Fig. 0850-02.01.0

| Pos | Name                      | Part No.      | Specification | Qty | Note |
|-----|---------------------------|---------------|---------------|-----|------|
| --- | <b>Blade Kit Complete</b> | <b>575321</b> |               |     | 1    |
| 1   | Adjustment Plate          | ---           | Lower Blade   | 1   | 2    |
| 2   | Shim Set                  | PR0850045     | Lower Blade   | 1   |      |
| 3   | Lower Blade               | PR0850003     |               | 2   |      |
| 4   | Flat Head Socket Bolt     | 575503        | M24 x 160     | 6   |      |
| 5   | Guide Blade               | PR0850005     | Lower         | 2   |      |
| 6   | Shim Set                  | PR0850046     | Guide Blade   | 1   |      |
| 7   | Adjustment Plate          | ---           | Guide Blade   | 1   | 2    |
| 8   | Adjustment Plate          | ---           | Lower Blade   | 1   | 2    |
| 9   | Socket Head Bolt          | 658819        | M24 x 120     | 4   |      |
| 10  | Structural Washer         | 90511         | M24           | 16  |      |
| 11  | Razor Blade               | PR0850002     |               | 1   |      |
| 12  | Hex Head Bolt             | 575467        | M24 x 50      | 2   |      |
| 13  | Guide Blade Seat          | PR0850028     |               | 1   |      |
| 14  | Socket Head Bolt          | 575671        | M24 x 140     | 4   |      |
| 15  | Hex Nut                   | 667220        | M24           | 6   |      |

1. Blade Kit contains all blades, fasteners and shim sets. Adjustment plates not included.

2. Adjustment plates are serial number specific. Contact Allied.

### 3.2.3 Spare Parts Identification

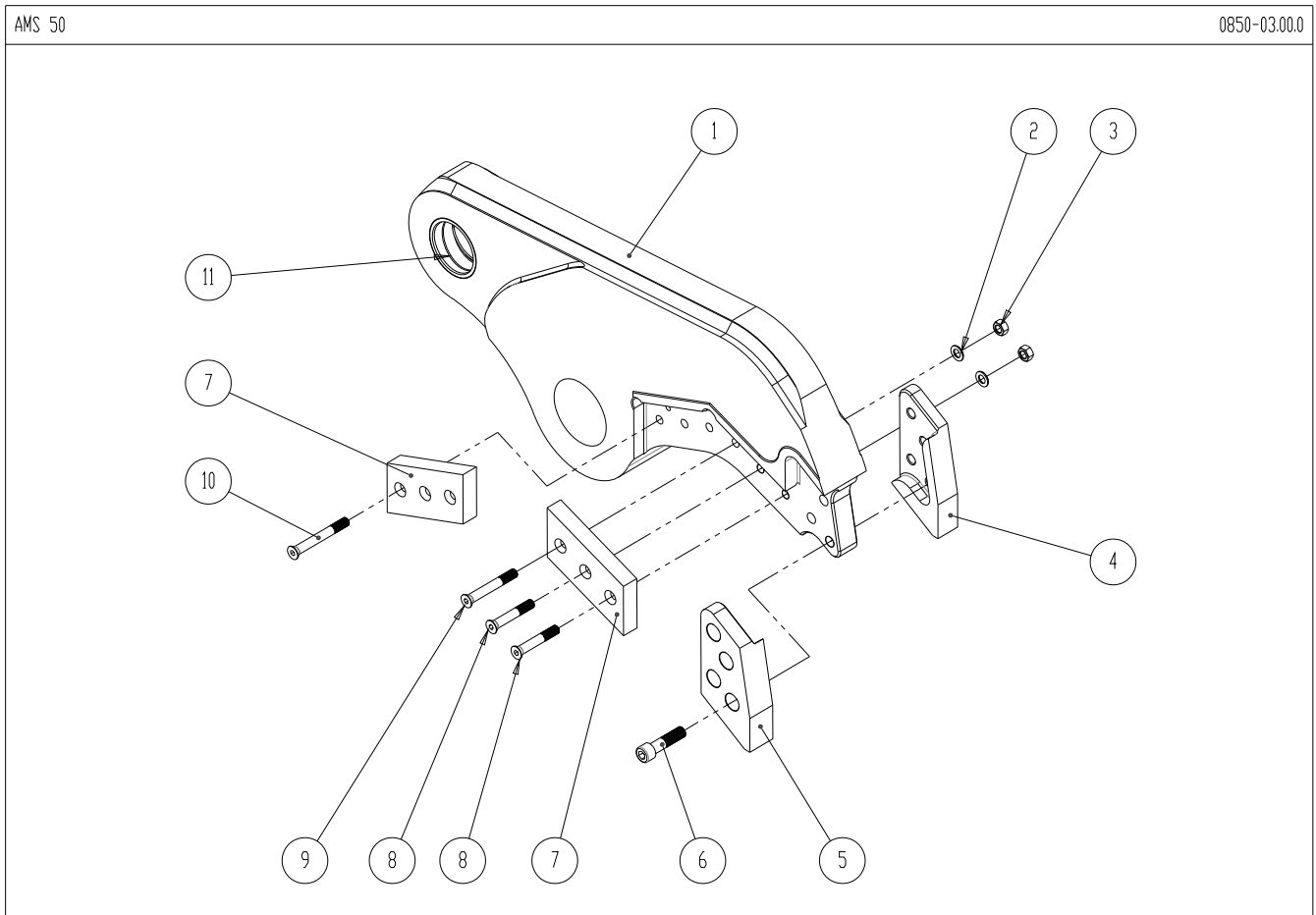


Fig. 0850-03.00.0 Upper Jaw Assembly

### 3.2.3 Spare Parts Identification

Table 3.7 Upper Jaw Assembly Fig. 0850-03.00.0

| Pos | Name                      | Part No.      | Specification | Qty | Note     |
|-----|---------------------------|---------------|---------------|-----|----------|
| --- | <b>Blade Kit Complete</b> | <b>575321</b> |               |     | <b>1</b> |
| 1   | Jaw                       | ---           | Upper         | 1   | 2        |
| 2   | Structural Washer         | 575505        | M24           | 6   |          |
| 3   | Hex Nut                   | 667220        | M24           | 6   |          |
| 4   | Blade Tip                 | PR0850007     | Right         | 1   |          |
| 5   | Blade Tip                 | PR0850006     | Left          | 1   |          |
| 6   | Socket Head Bolt          | 575672        | M30 x 120     | 4   |          |
| 7   | Blade                     | PR08500030    | Upper / Lower | 2   |          |
| 8   | Flat Head Socket Bolt     | 575673        | M24 x 150     | 2   |          |
| 9   | Flat Head Socket Bolt     | 575504        | M24 x 180     | 1   |          |
| 10  | Flat Head Socket Bolt     | 575674        | M24 x 200     | 3   |          |
| 11  | Bearing                   | PR0850010     | Upper         | 1   |          |

1. Blade Kit contains all blades, fasteners and shim sets.
2. Item not serviceable

### 3.2.4 Spare Parts Identification

Some illustrations may not be applicable to both AMS-R and AMS-NR

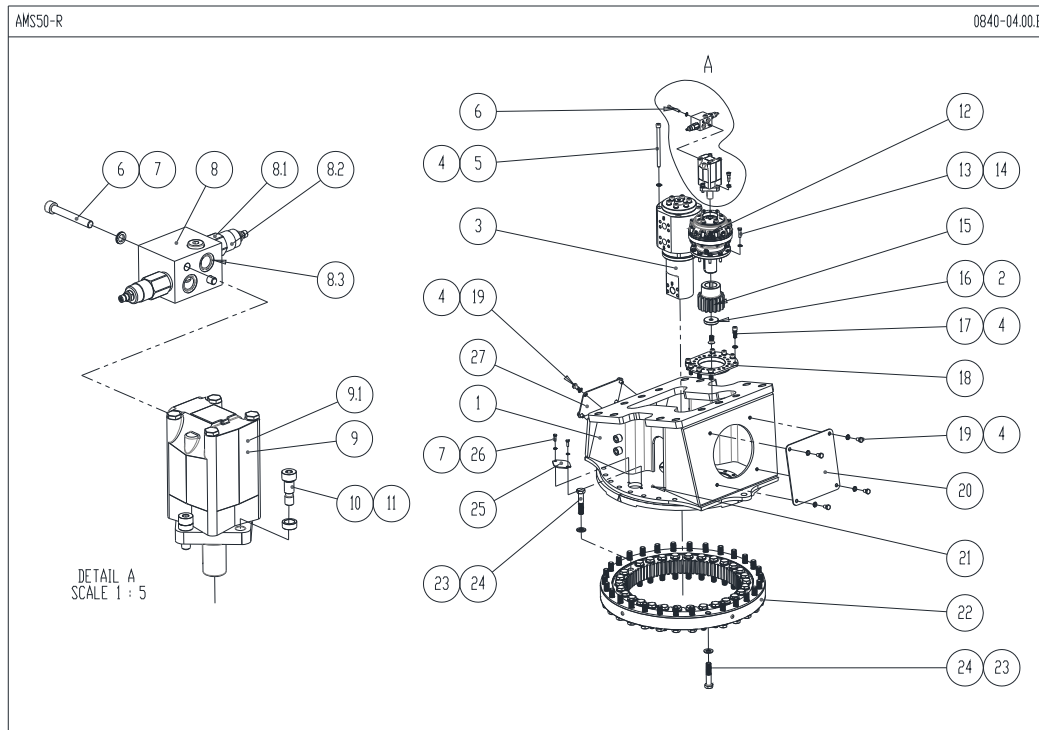


Fig. 0840-04.00.B Subhead and Rotation Assembly

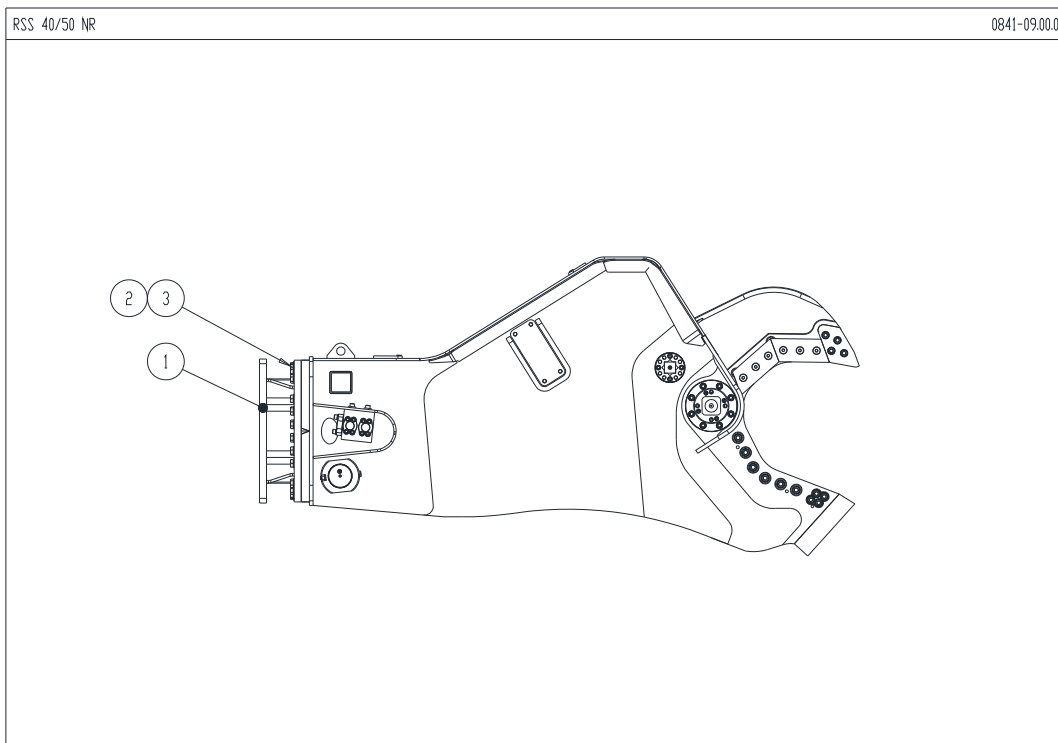


Fig. 0841-09.00.0 Non-Rotation Type Subhead

### 3.2.4 Spare Parts Identification

**Table 3.8 Subhead and Rotation Assembly Fig. 0840-04.00.B**

| Pos | Part Name             | Part No.        | Specification         | Qty | Note |
|-----|-----------------------|-----------------|-----------------------|-----|------|
| 1   | Subhead               | PR0840600       |                       | 1   |      |
| 2   | Flat Head Socket Bolt | 901287          | M20 x 40 mm           | 1   |      |
| 3   | Hydraulic Swivel      | ZZDD02779       |                       | 1   | 1    |
| 4   | Washer                | 90597           | M16 (NL Pair)         | 16  |      |
| 5   | Socket Head Bolt      | 575505          | M16 x 240 mm          | 4   |      |
| 6   | Socket Head Bolt      | 575839          | M10 x 75 mm           | 2   |      |
| 7   | Washer                | 90137           | M10 (NL Pair)         | 6   |      |
| 8   | Manifold              | ZZHMB10421VJ25  |                       | 1   |      |
| 8.1 | Relief Valve          | ZZVBB10113BJ25  | Factory set @ 170 bar | 2   |      |
| 8.2 | Seal kit for Item 8.1 | ZZDS9257725     |                       | 1   |      |
| 8.3 | O-Ring                | ZZOR02190026190 |                       | 2   |      |
| 9   | Hydraulic Motor       | ZZHM151F0502    |                       | 1   |      |
| 9.1 | Seal kit for Item 9   | ZZDS151F0111    |                       | 1   |      |
| 10  | Socket Head Bolt      | PR10096200101   | M12 x 16 x 20 mm      | 4   |      |
| 11  | Custom Washer         | PR10096200102   | 12 mm                 | 4   |      |
| 12  | Gearbox               | ZZVK0360        |                       | 1   |      |
| 13  | Hex Head Bolt         | 679696          | M12 x 45 mm           | 10  |      |
| 14  | Washer                | 91012           | 12 mm (NL Pair)       | 12  |      |
| 15  | Pinion Gear           | PR0840037       |                       | 1   |      |
| 16  | Pinion Washer         | PR0840055       |                       | 1   |      |
| 17  | Socket Head Bolt      | 91005           | M16 x 45 mm           | 8   |      |
| 18  | Adapter plate         | PR0840056       |                       | 1   |      |
| 19  | Hex Head Bolt         | 575840          | M16 x 25 mm           | 4   |      |
| 20  | Cover Subhead         | PR0840024       |                       | 1   |      |
| 21  | Grease Nipple         | 90201           |                       | 2   |      |
| 22  | Bearing Slewing Ring  | ZZLA0910        |                       | 1   |      |
| 23  | Structural Washer     | 575841          | M27                   | 60  |      |
| 24  | Hex Head Bolt         | 575842          | M27 x 130 mm          | 60  |      |
| 25  | Cover                 | PR0840014       |                       | 2   |      |
| 26  | Hex Head Bolt         | 056167          | M10 x 30 mm           | 4   |      |

Note 1. Some illustrations may not be applicable to both AMS-R and AMS-NR. Refer to Table 3.11 Fig. 0840-06.00.A for further details.

**Table 3.9 Non-Rotation Type Subhead Fig. 0841-09.0**

| Pos | Part Name     | Part No. | Specification     | Qty | Note |
|-----|---------------|----------|-------------------|-----|------|
| 1   | Subhead       | 576227   | Non-rotation Type | 1   | NR   |
| 2   | Hex Head Bolt | 575561   | M27               | 26  | NR   |
| 3   | FI Washer     | 575841   |                   | 26  | NR   |

Note NR. (NR) Non-Rotation

### 3.2.5 Spare Parts Identification

Some illustrations may not be applicable to both AMS-R and AMS-NR

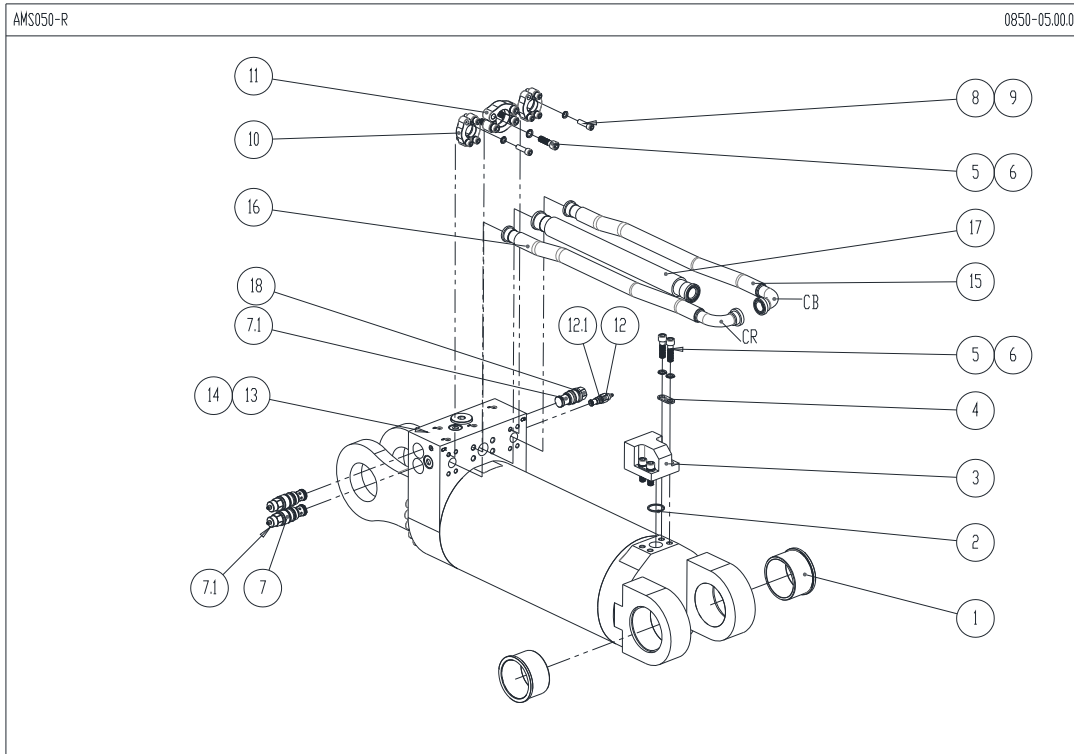


Fig. 0850-05.01.0 Cylinder Assembly AMS050-R

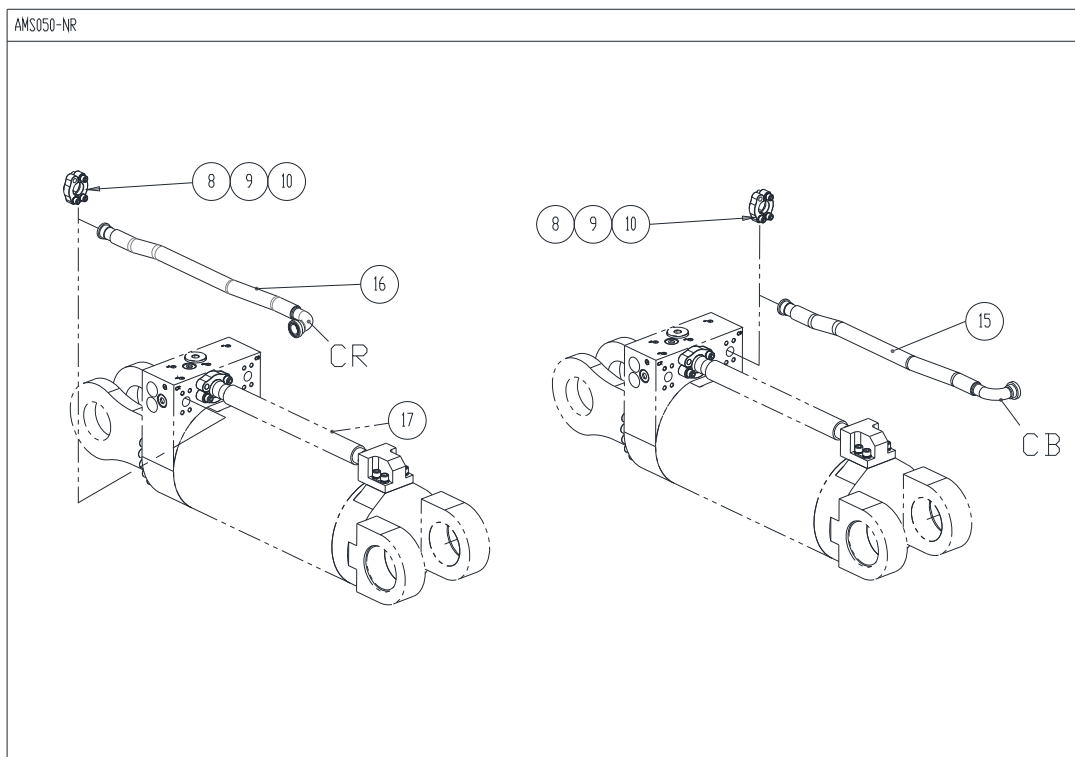


Fig. 0850-05.01.0 Cylinder Assembly AMS050-NR

### 3.2.5 Spare Parts Identification

**Table 3.10 Cylinder Assembly Fig. 0850-05.01.0**

| Pos  | Part Name            | Part No.        | Specification  | Qty | Note |
|------|----------------------|-----------------|----------------|-----|------|
| 1    | Glide bush           | ZZLA36283       |                | 2   |      |
| 2    | Seal                 | ZZDS14041003200 |                | 1   |      |
| 3    | Port Block           | PR0840045       | Rear           | 1   |      |
| 4    | Support plate        | PR0840046       | SAE 2"         | 2   |      |
| 5    | Washer               | 91010           | M20 (NL Pair)  | 8   |      |
| 6    | Socket Head Bolt     | 951478          | M20 x 70       | 8   |      |
| 7    | Counterbalance valve | ZZVBA912159J25  |                | 2   |      |
| 7.1  | Seal kit for Item 7  | ZZDS9330047     |                | 1   |      |
| 8    | Socket Head Bolt     | 679037          | M16 x 55       | 8   |      |
| 9    | Washer               | 90597           | M16 (NL Pair)  | 8   |      |
| 10   | Split flange         | ZZSL9981        |                | 4   |      |
| 11   | Split flange         | ZZSL9985        |                | 2   |      |
| 12   | Relief valve         | ZZVBB10222BJ25  | Direct-acting  | 1   |      |
| 12.1 | Seal kit for Item 12 | ZZDS9257725     |                | 1   |      |
| 13   | Hydraulic cylinder   | ZZCL36283       | 350-220-686    | 1   |      |
| 14   | Seal kit for Item 13 | ZZDSAFD36283    |                | 1   |      |
| 15   | Hose                 | Varies          | CB Port        | 1   | 1    |
| 16   | Hose                 | Varies          | CR Port        | 1   | 1    |
| 17   | Hose                 | ZZSL352         | 2"             | 1   | 1    |
| 18   | Check valve          | ZZVBB10114BJ25  | Pilot-to-close | 1   |      |

Note 1. Some illustrations may not be applicable to both AMS-R and AMS-NR. Refer to Table 3.12 & 3.13 Fig. 0850.07.01.0 for further details.

CB= Cylinder Barrel, CR= Cylinder Rod

### 3.2.6 Spare Parts Identification

Some illustrations may not be applicable to both AMS-R and AMS-NR.

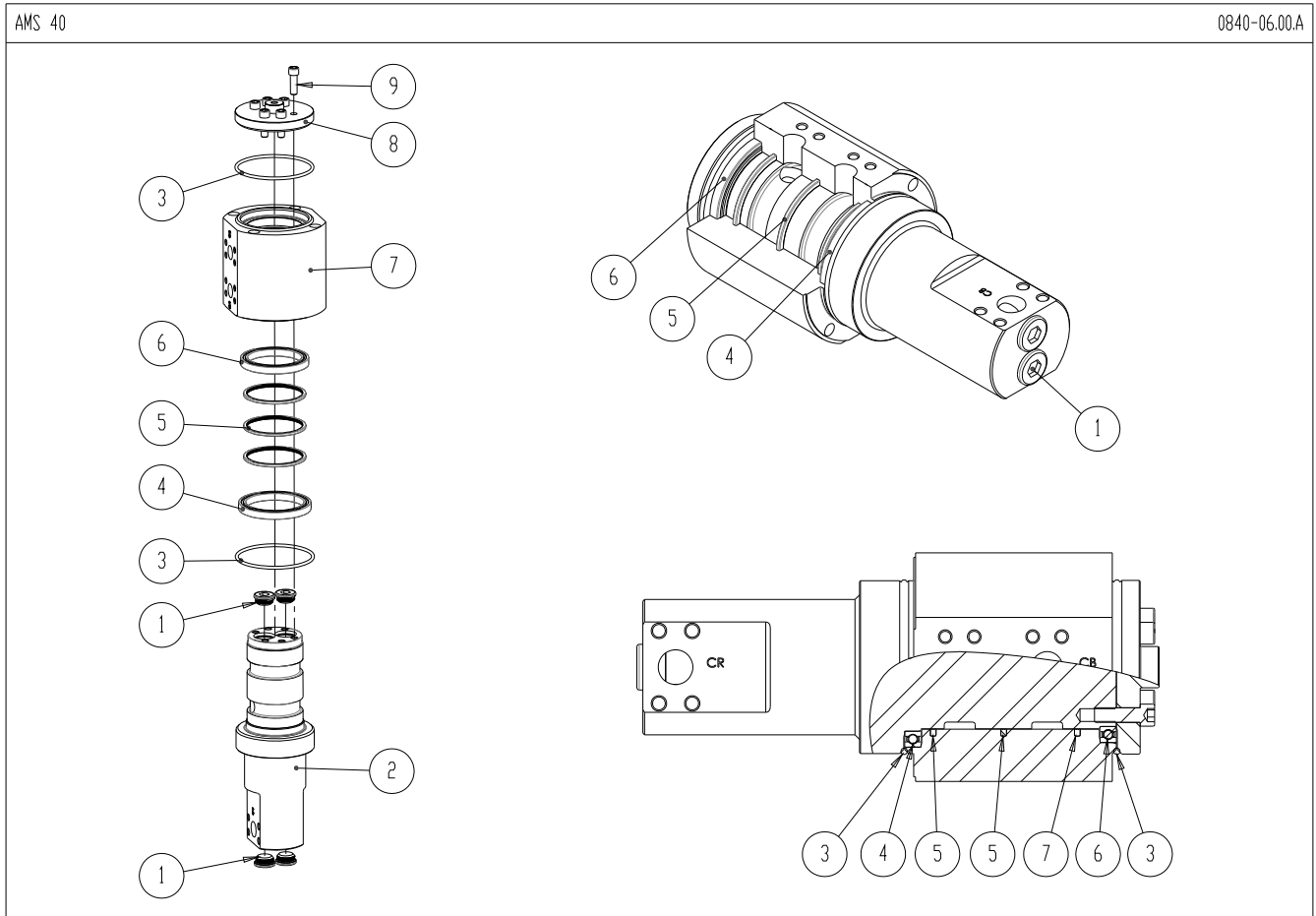


Fig. 0840-06.00.A Hydraulic Swivel Assembly

### 3.2.6 Spare Parts Identification

**Table 3.11 Hydraulic Swivel Assembly Fig. 0840-06.00.A**

| Pos | Name                            | Part No.            | Specification | Qty      | Note |
|-----|---------------------------------|---------------------|---------------|----------|------|
| --- | <b>Seal Kit</b>                 | <b>ZZDSAFDD2051</b> |               | <b>1</b> |      |
| 1   | Locking screw with captive seal | ZZSL7060            |               | 4        |      |
| 2   | Swivel stator                   | ---                 |               | 1        | 2    |
| 3   | O-Ring                          | ---                 |               | 2        | 1    |
| 4   | Deep groove radial ball bearing | ---                 |               | 1        | 3    |
| 5   | Roto Glyd Ring                  | ---                 |               | 3        | 1    |
| 6   | Deep groove radial ball bearing | ---                 |               | 1        | 3    |
| 7   | Swivel housing                  | ---                 |               | 1        | 2    |
| 8   | Swivel cover                    | ---                 |               | 1        | 2    |
| 9   | Socket Head Bolt                | 573851              | M16 x 50 mm   | 6        |      |

Some illustrations may not be applicable to both AMS-R and AMS-NR.

*Note 1: Order seal kit. Seals are not available separately. Seal Kit contains items 3 and 5.*

*Note 2: Non-serviceable item*

*Note 3: Special order. Contact Allied.*

### 3.2.7 Spare Parts Identification

Some illustrations may not be applicable to both AMS-R and AMS-NR.

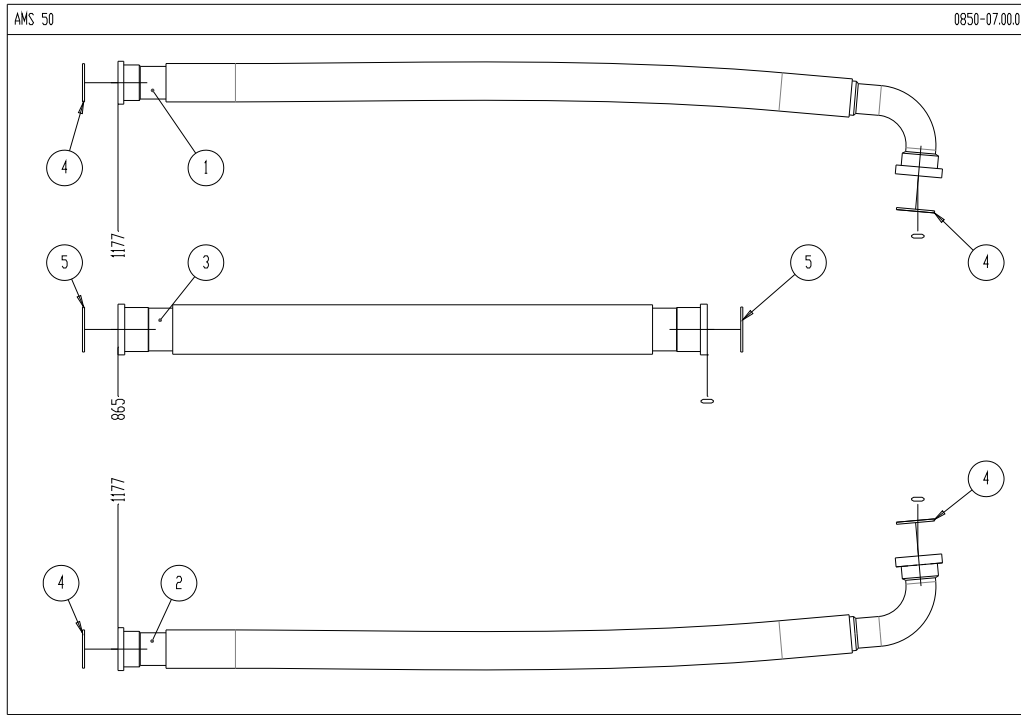


Fig. 0850-07.01.0 Hydraulic Connections AMS050-R

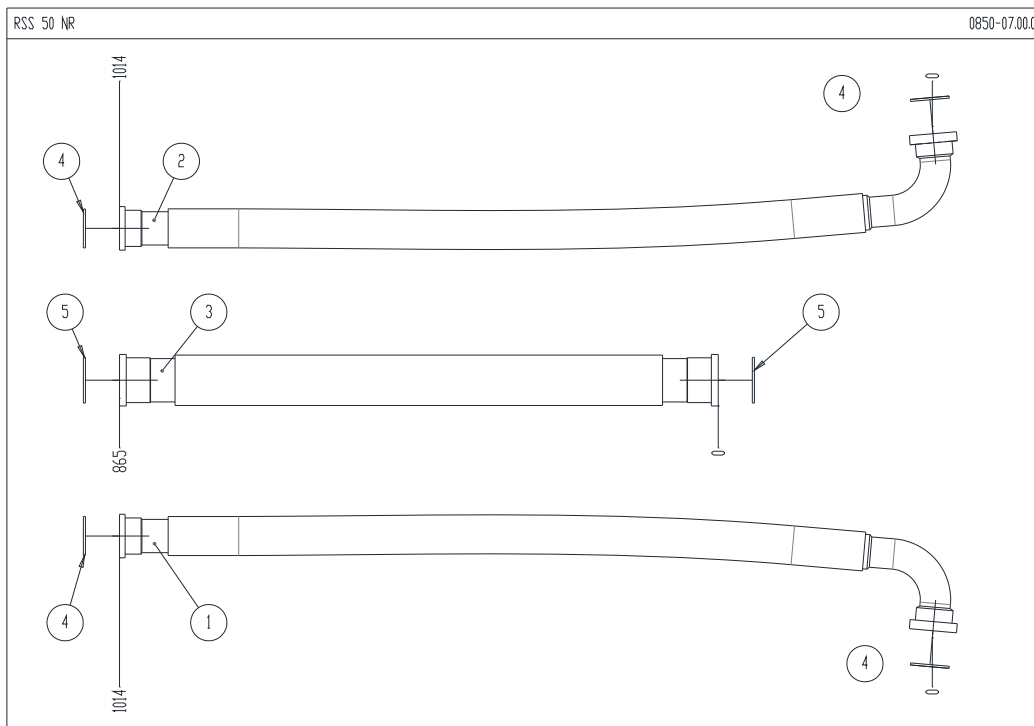


Fig. 0850-07.01.0 Hydraulic Connections AMS050-NR

### 3.2.7 Spare Parts Identification

**Table 3.12 Hydraulic Connections Fig. 0850-07.01.0 AMS050-R**

| Pos | Name   | Part No. | Specification     | Qty | Note |
|-----|--------|----------|-------------------|-----|------|
| 1   | Hose   | ZZSL351  | CB Port, 1 ½ inch | 1   | R    |
| 2   | Hose   | ZZSL351  | CR Port, 1 ½ inch | 1   | R    |
| 3   | Hose   | ZZSL352  | 2 inch            | 1   | R    |
| 4   | O-Ring | 657364   | 1 ½ inch          | 4   | R    |
| 5   | O-Ring | 94021    | 2 inch            | 2   | R    |

Some illustrations may not be applicable to both AMS-R and AMS-NR.

**Note R. (R) Rotation**

CB= Cylinder Barrel, CR= Cylinder Rod

**Table 3.13 Hydraulic Connections Fig. 0850-07.01.0 AMS050-NR**

| Pos | Name   | Part No. | Specification     | Qty | Note |
|-----|--------|----------|-------------------|-----|------|
| 1   | Hose   | ZZSL369  | CB Port, 1 ½ inch | 1   | NR   |
| 2   | Hose   | ZZSL369  | CR Port, 1 ½ inch | 1   | NR   |
| 3   | Hose   | ZZSL352  | 2 inch            | 1   | NR   |
| 4   | O-Ring | 657364   | 1 ½ inch          | 4   | NR   |
| 5   | O-Ring | 94021    | 2 inch            | 2   | NR   |

Some illustrations may not be applicable to both AMS-R and AMS-NR.

**Note NR. (NR) Non-Rotation**

CB= Cylinder Barrel, CR= Cylinder Rod

### 3.2.8 Spare Parts Identification

Some illustrations may not be applicable to both AMS-R and AMS-NR.

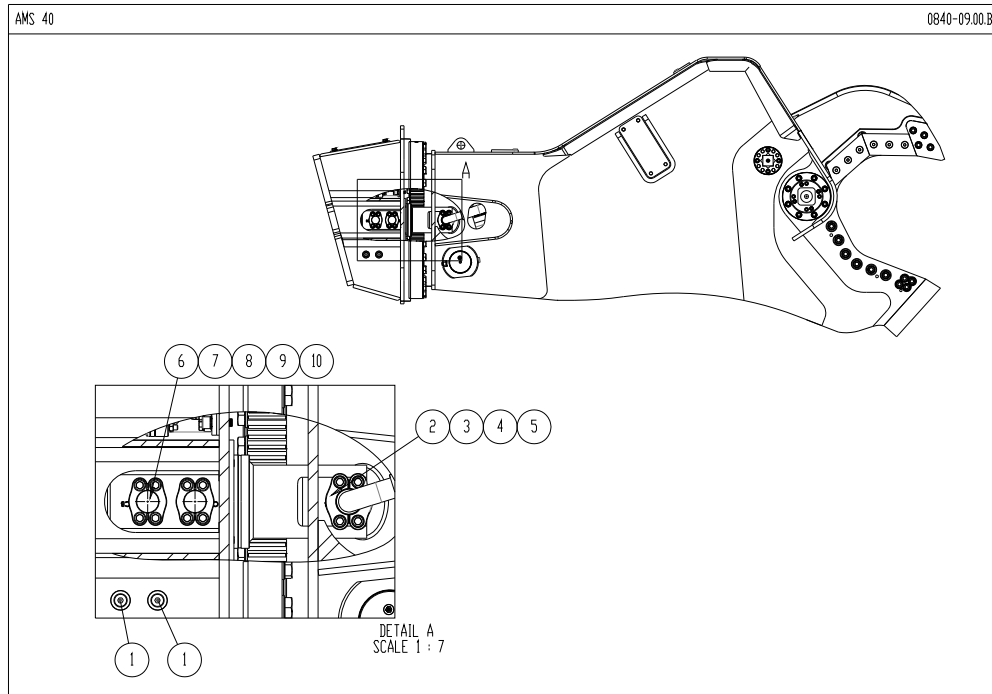


Fig. 0840-09.00.B Hydraulic Connections AMS-R

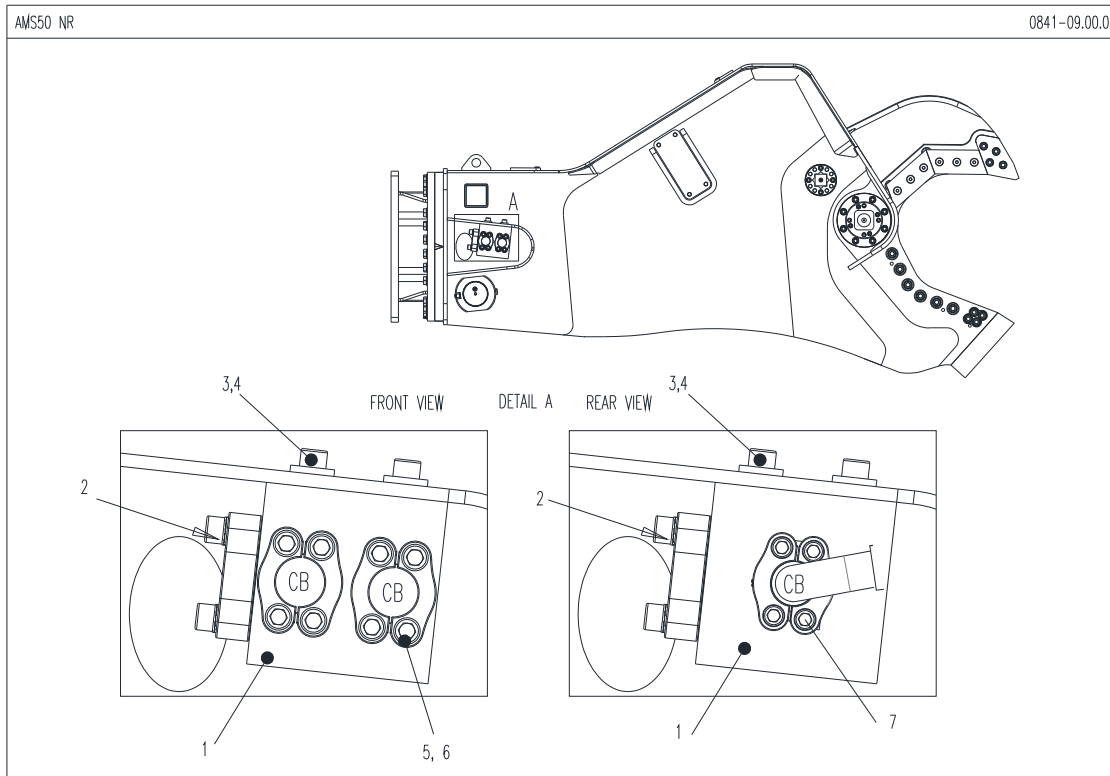


Fig. 0840-09.00.B Hydraulic Connections AMS-NR

### 3.2.8 Spare Parts Identification

**Table 3.14 Hydraulic Connections Fig. 0840-09.00.B**

| Pos | Name             | Part No. | Specification | Qty | Note |
|-----|------------------|----------|---------------|-----|------|
| 1   | Plug             | 90424    | ½ inch        | 4   | R    |
| 2   | Split Flange     | 575848   | 1 ½ inch      | 4   | R    |
| 3   | O-Ring           | 657364   | 1 ½ inch      | 2   | R    |
| 4   | Socket Head Bolt | 679037   | M16 x 55 mm   | 8   | R    |
| 5   | Washer           | 90597    | M16 (NL Pair) | 8   | R    |
| 6   | Split Flange     | 053864   | 1 ¼ inch      | 4   | R    |
| 7   | Blind Flange     | 817933   | 1 ¼ inch      | 4   | R    |
| 8   | O-Ring           | 678594   | 1 ¼ inch      | 4   | R    |
| 9   | Socket Head Bolt | 658669   | M14 x 50 mm   | 16  | R    |
| 10  | Washer           | 678569   | M14 (NL Pair) | 16  | R    |

Some illustrations may not be applicable to both AMS-R and AMS-NR.

**Note R. AMS-(R) Rotation**

CB= Cylinder Barrel, CR= Cylinder Rod

**Table 3.15 Hydraulic Connections Fig. 0841-09.00.0**

| Pos | Name              | Part No. | Specification    | Qty | Note |
|-----|-------------------|----------|------------------|-----|------|
| 1   | Port Block        | 576438   | CR and CB Side   | 2   | NR   |
| 2   | 4-Bolt Flange Cap | 574898   | 24C62 W/Hardware | 2   | NR   |
| 3   | Hex Head Bolt     | 900051   | M16              | 8   | NR   |
| 4   | FL Washer         | 719015   |                  | 8   | NR   |
| 5   | Split Flange Kit  | 679922   | 20C62 W/Hardware | 4   | NR   |
| 6   | Flange Port Plug  | 573282   | 20C62            | 4   | NR   |
| 7   | Split Flange Kit  | 575847   | 24C62 W/Hardware | 2   | NR   |

Some illustrations may not be applicable to both AMS-R and AMS-NR.

Note NR. (NR) Non-Rotation

CB= Cylinder Barrel, CR= Cylinder Rod

### 3.2.9 Spare Parts Identification

Some illustrations may not be applicable to both AMS-R and AMS-NR.

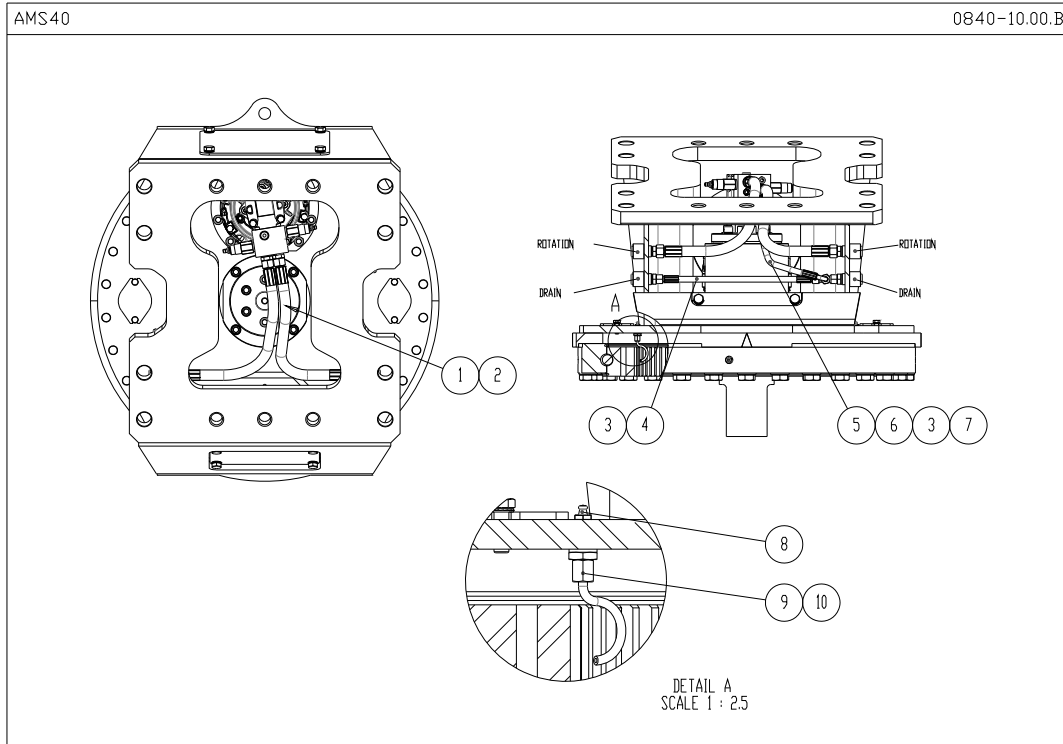


Fig. 0840-10.00.B Hydraulic Connections Inside the Subhead

### 3.2.9 Spare Parts Identification

**Table 3.15 Hydraulic Connections Inside Subhead Fig. 0840-10.00.B**

| Pos | Name                       | Part No.        | Specification               | Qty | Note |
|-----|----------------------------|-----------------|-----------------------------|-----|------|
| 1   | Hydraulic hose             | ZZSL355         |                             | 2   | R    |
| 2   | Straight male stud fitting | ZZSL5163        | GE 16 SR 1/2 ED S           | 4   | R    |
| 3   | Straight male stud fitting | ZZSL5129        | GE 12 SR 1/2 ED S           | 2   | R    |
| 4   | Hydraulic hose             | ZZSL336         |                             | 1   | R    |
| 5   | Hydraulic hose             | ZZSL03          |                             | 1   | R    |
| 6   | Adjustable L-coupling      | ZZSL6612        | ELD 12 S                    | 1   | R    |
| 7   | Straight male stud fitting | ZZSL5125        | GE 12 SR 1/4 ED S           | 1   | R    |
| 8   | Grease fitting             | ZZBM72240031180 |                             | 2   | R    |
| 9   | Straight male stud fitting | ZZSL5070        | GE 06 LR                    | 2   | R    |
| 10  | Grease pipe                |                 | Ø6x1.5 L=80 mm - Brake line | 2   | R    |

Some illustrations may not be applicable to both AMS-R and AMS-NR.

Note R. (R) Rotation

### 3.3 How To Order Spare Parts

Product \_\_\_\_\_  
 Model \_\_\_\_\_  
 Serial No. \_\_\_\_\_

Please be prepared with the Product, Model and Serial Number when inquiring about or ordering parts for your Allied equipment. See Section 2.3 Owner's record of the equipment.

Please fill out completely

| Line | Part Number | Description | Quantity | Price |
|------|-------------|-------------|----------|-------|
| 1    |             |             |          |       |
| 2    |             |             |          |       |
| 3    |             |             |          |       |
| 4    |             |             |          |       |
| 5    |             |             |          |       |
| 6    |             |             |          |       |
| 7    |             |             |          |       |
| 8    |             |             |          |       |
| 9    |             |             |          |       |
| 10   |             |             |          |       |

Your contact information

Your Name \_\_\_\_\_ Company Name \_\_\_\_\_  
 Phone \_\_\_\_\_ Account Number \_\_\_\_\_  
 Fax \_\_\_\_\_ Purchase order \_\_\_\_\_  
 Email \_\_\_\_\_ Shipping carrier \_\_\_\_\_

See note\*

Billing Address \_\_\_\_\_ Shipping Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**\*Note: All backordered parts will be shipped when available via the same method as the original order unless initialed and checked below:**

Initials

- \_\_\_\_\_ ☐ Ship complete order only  
 \_\_\_\_\_ ☐ Ship available parts and contact customer on disposition of backordered parts  
 \_\_\_\_\_ ☐ Other – specify below

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Notes:

[illegible]



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