

# OWNERS MANUAL

ASSEMBLY • OPERATING • MAINTENANCE • REPAIR

## KWIK-WAY BACKHOE ATTACHMENT

MODEL NO. 51-00210

Record and Retain the  
MODEL and SERIAL Numbers  
of your  
BACKHOE

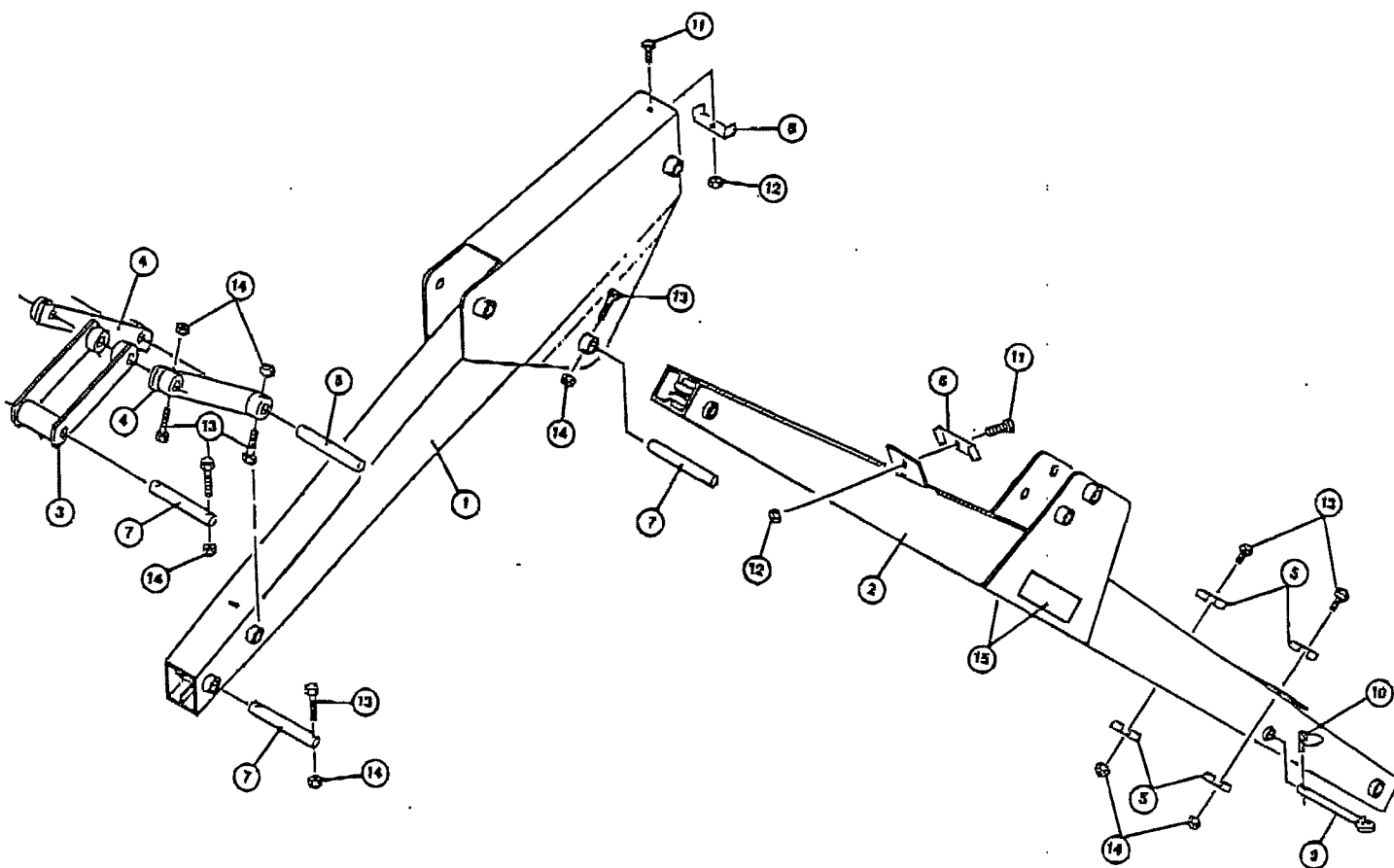
MODEL

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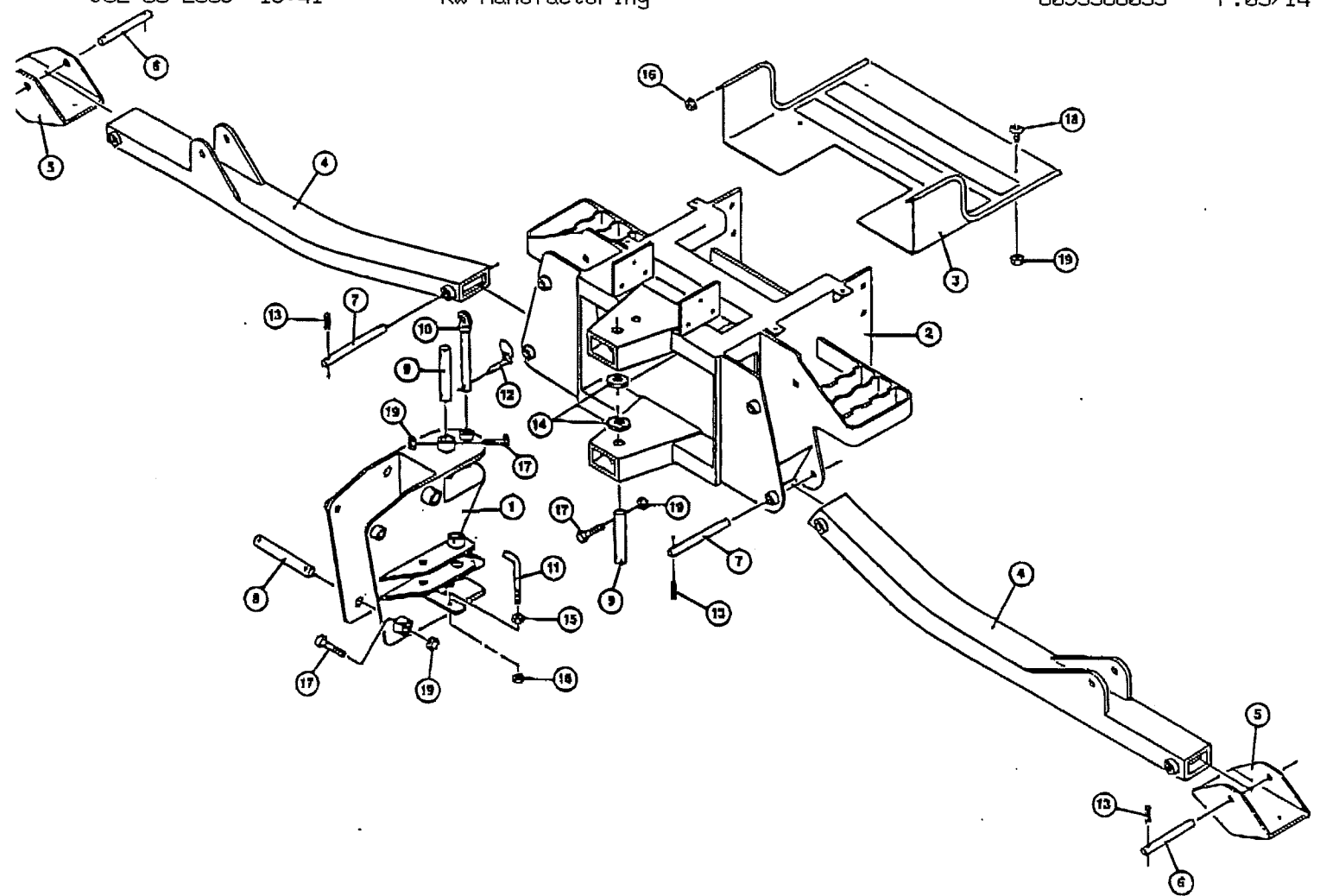
SERIAL NUMBER

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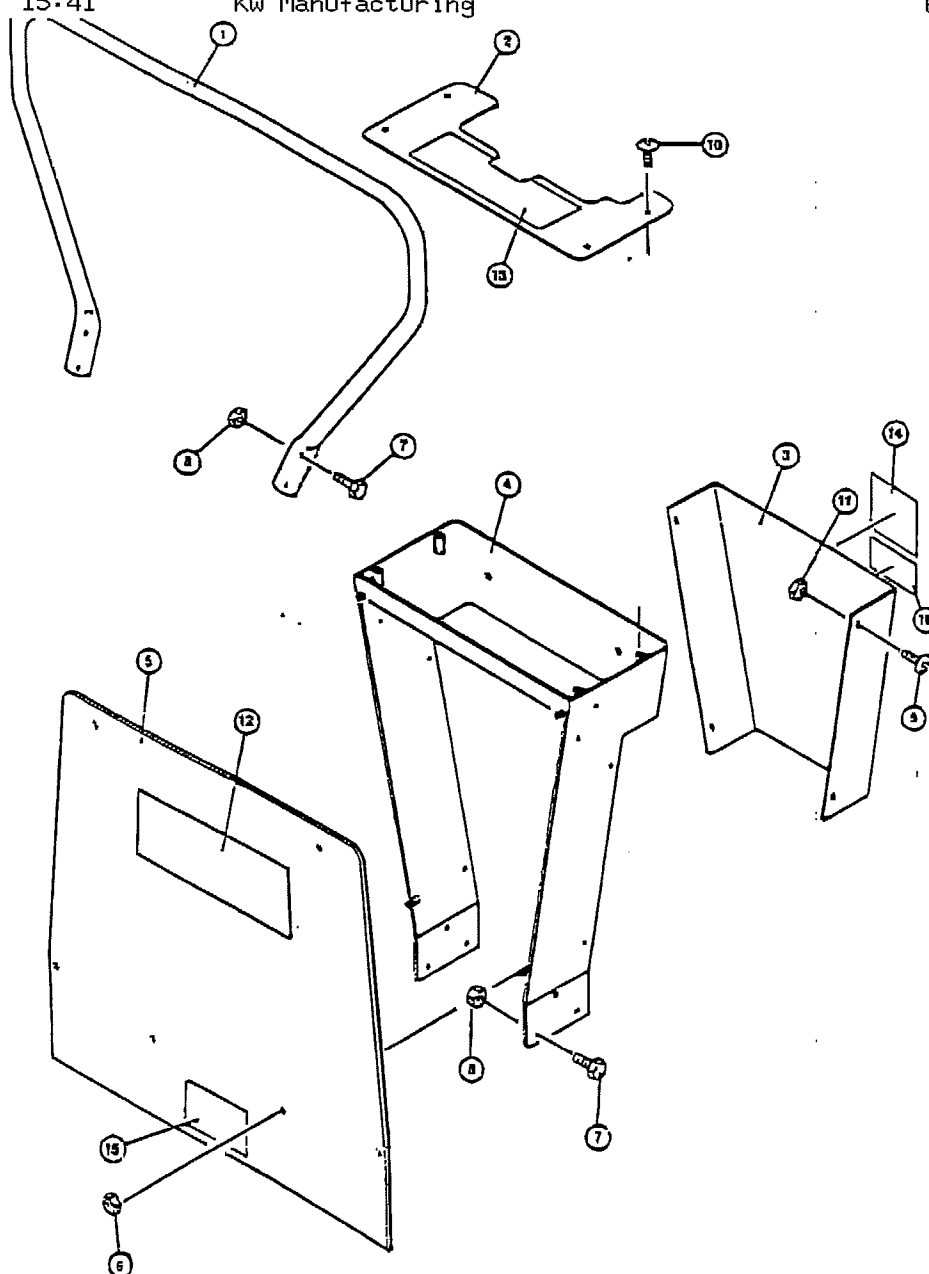
K-W Manufacturing Co., Inc.  
800 South Marion Road  
Sioux Falls, South Dakota 57106  
Phone 1-605-336-6032  
Fax 1-605-336-6033  
**1-800-843-3720**  
[www.kwmanufacturing.com](http://www.kwmanufacturing.com)



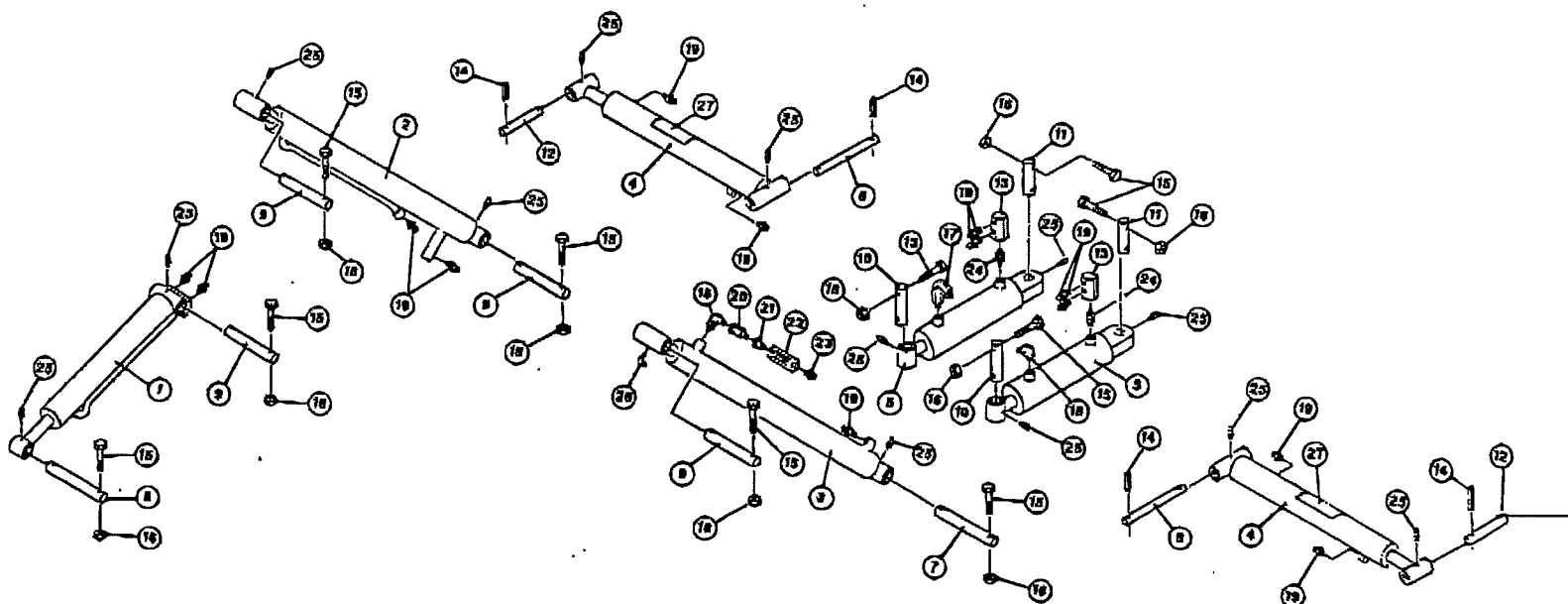
| REFERENCE<br>NUMBER | DESCRIPTION                      | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|----------------------------------|----------------|--------------------|
| 1                   | CROWD ARM                        | 19456          | 1                  |
| 2                   | BOOM                             | 19026          | 1                  |
| 3                   | LINKAGE                          | 12675          | 1                  |
| 4                   | LINKAGE STRAP                    | 19454          | 2                  |
| 5                   | HOSE BRACKET                     | 12748          | 4                  |
| 6                   | HOSE BRACKET                     | 12749          | 2                  |
| 7                   | PIN                              | 19023          | 3                  |
| 8                   | LINKAGE PIN                      | 19024          | 2                  |
| 9                   | BOOM LOCK PIN                    | 19090          | 1                  |
| 10                  | 1/4 X 1 3/4 LYNCH PIN            | 101307         | 1                  |
| 11                  | 5/16-18 X 1 1/2 HEX HD. CAPSCREW | 100042         | 2                  |
| 12                  | 5/16-18 HEX LOCKNUT              | 100882         | 2                  |
| 13                  | 1/4-20 X 2 HEX HD. CAPSCREW      | 102659         | 12                 |
| 14                  | 1/4-20 HEX LOCKNUT               | 101281         | 12                 |
| 15                  | DECAL-WARNING                    | 102747         | 2                  |



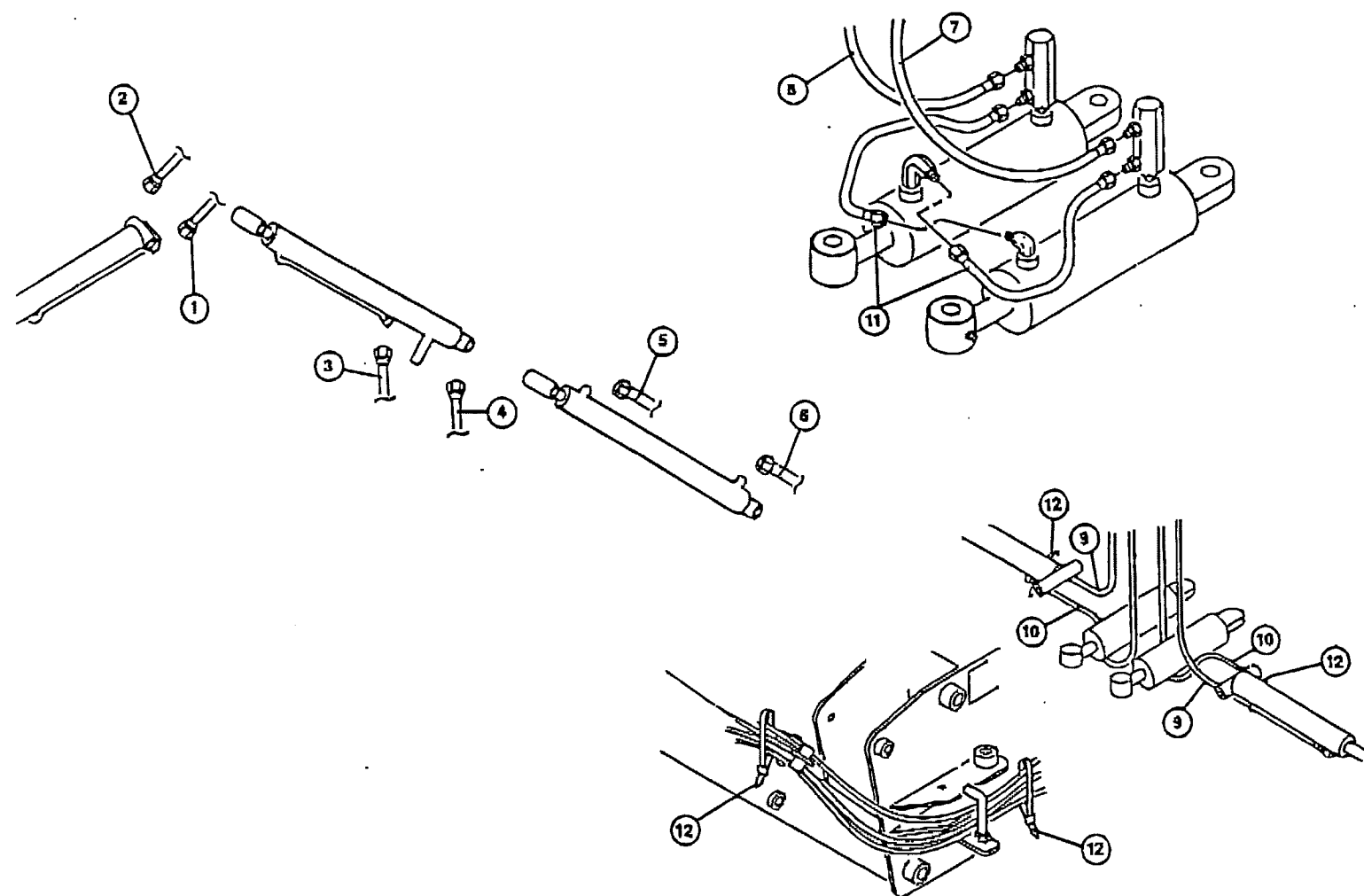
| REFERENCE<br>NUMBER | DESCRIPTION                          | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|--------------------------------------|----------------|--------------------|
| 1                   | SWIVEL                               | 19033          | 1                  |
| 2                   | MAIN BOX                             | 19371          | 1                  |
| 3                   | FOOT PLATE                           | 19374          | 1                  |
| 4                   | STABILIZER                           | 19460          | 2                  |
| 5                   | STABILIZER FOOT                      | 19464          | 2                  |
| 6                   | FOOT PIN                             | 12728          | 2                  |
| 7                   | STABILIZER PIN                       | 12803          | 2                  |
| 8                   | BOOM PIN                             | 19023          | 1                  |
| 9                   | PIVOT PIN                            | 19044          | 2                  |
| 10                  | SWING LOCK PIN                       | 19090          | 1                  |
| 11                  | HOSE HOLDER                          | 19167          | 2                  |
| 12                  | 1/4 X 1 3/4 LYNCH PIN                | 101307         | 1                  |
| 13                  | 1/4 X 1 1/2 SPRING PIN               | 100968         | 4                  |
| 14                  | THRUST WASHER                        | 100966         | 2                  |
| 15                  | 5/16-18 HEX NUT                      | 100084         | 2                  |
| 16                  | 5/16-18 HEX LOCKNUT                  | 100882         | 4                  |
| 17                  | 1/4-20 X 2 HEX HD. CAPSCREW          | 102659         | 6                  |
| 18                  | 1/4-20 X 3/4 SLOTTED TRUSS HD. SCREW | 101800         | 4                  |
| 19                  | 1/4-20 HEX LOCKNUT                   | 101281         | 10                 |



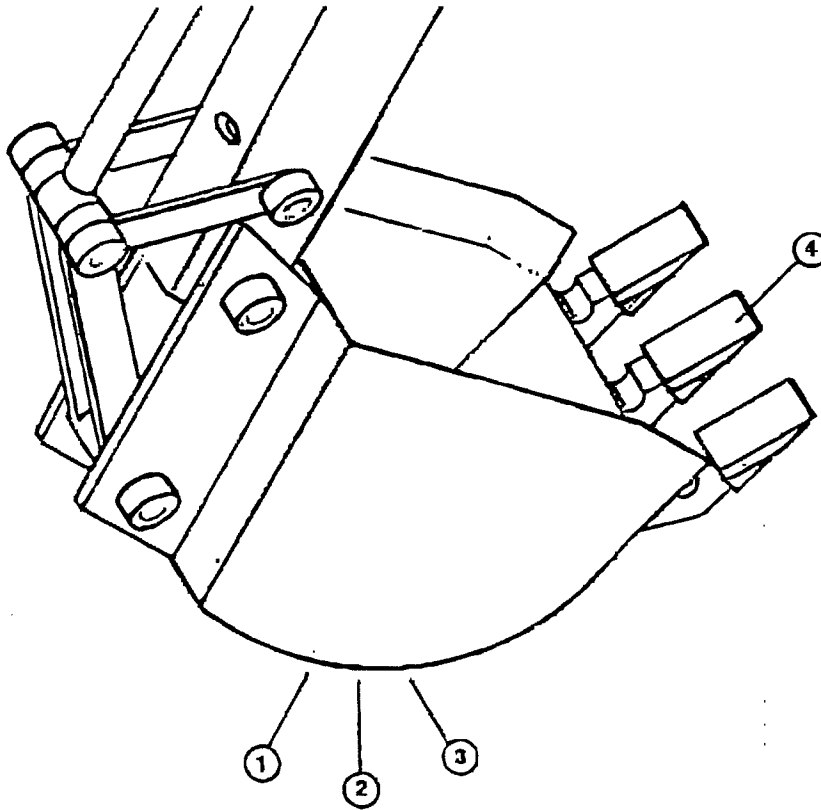
| REFERENCE<br>NUMBER | DESCRIPTION                          | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|--------------------------------------|----------------|--------------------|
| 1                   | HANDLE GUARD                         | 19011          | 1                  |
| 2                   | VALVE COVER                          | 19470          | 1                  |
| 3                   | HOSE GUARD                           | 19075          | 1                  |
| 4                   | VALVE MOUNT                          | 19456          | 1                  |
| 5                   | FRONT PANEL                          | 19082          | 1                  |
| 6                   | 3/8-16 HEX LOCKNUT                   | 100754         | 4                  |
| 7                   | 5/16-18 X 3/4 HEX HD. CAPSCREW       | 100039         | 10                 |
| 8                   | 5/16-18 HEX LOCKNUT                  | 100882         | 10                 |
| 9                   | 1/4-20 X 3/4 SLOTTED TRUSS HD. SCREW | 101800         | 4                  |
| 10                  | 1/4-20 X 1/2 SLOTTED TRUSS HD. SCREW | 101076         | 4                  |
| 11                  | 1/4-20 HEX LOCKNUT                   | 101281         | 4                  |
| 12                  | DECAL-KWIK WAY                       | 101091         | 1                  |
| 13                  | DECAL-OPERATOR                       | 102802         | 1                  |
| 14                  | DECAL-WARNING                        | 102808         | 1                  |
| 15                  | DECAL-PIN PLACEMENT                  | 102748         | 1                  |
| 16                  | DECAL-WARNING                        | 102810         | 1                  |



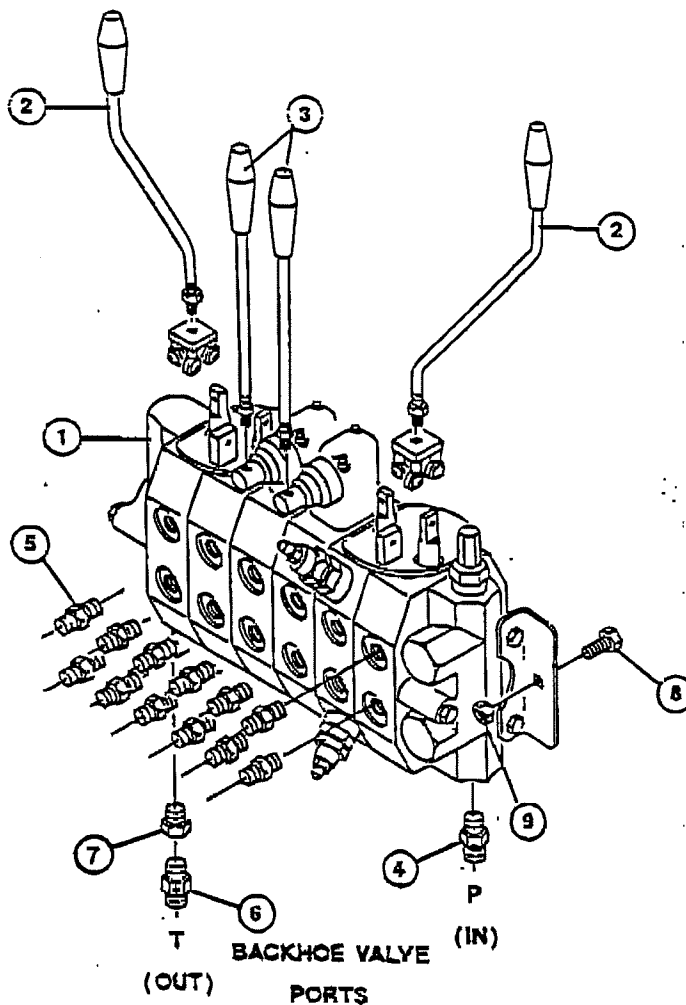
| REFERENCE<br>NUMBER | DESCRIPTION                                  | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|----------------------------------------------|----------------|--------------------|
| 1                   | BUCKET CYLINDER                              | 102780         | 1                  |
| 2                   | CROWD ARM CYLINDER                           | 103147         | 1                  |
| 3                   | BOOM CYLINDER                                | 102541         | 1                  |
| 4                   | STABILIZER CYLINDER                          | 102535         | 2                  |
| 5                   | SWING CYLINDER                               | 102539         | 2                  |
| 6                   | PIN                                          | 12803          | 2                  |
| 7                   | PIN                                          | 19023          | 1                  |
| 8                   | PIN                                          | 19024          | 1                  |
| 9                   | PIN                                          | 19025          | 4                  |
| 10                  | PIN                                          | 19042          | 2                  |
| 11                  | PIN                                          | 19043          | 2                  |
| 12                  | PIN                                          | 19169          | 2                  |
| 13                  | HEX FITTING                                  | 19068          | 2                  |
| 14                  | 1/4 X 1 1/2 SPRING PIN                       | 100968         | 8                  |
| 15                  | 1/4-20 X 2 HEX HD. CAPSCREW                  | 102659         | 20                 |
| 16                  | 1/4-20 LOCKNUT                               | 101281         | 20                 |
| 17                  | 9/16-18 ORFS X 7/16-20 ORB X 90° LONG ELBOW  | 102565         | 1                  |
| 18                  | 9/16-18 ORFS X 7/16-20 ORB X 90° SHORT ELBOW | 102559         | 2                  |
| 19                  | 9/16-18 ORFS X 7/16-20 ORB CONNECTOR         | 102557         | 13                 |
| 20                  | 9/16-18 ORFS X 7/16-20 ORB SWIVEL CONNECTOR  | 102560         | 1                  |
| 21                  | 9/16-18 ORBM X 7/16-20 ORBF REDUCER          | 102561         | 1                  |
| 22                  | 9/16-18 ORBF FLOW CONTROL                    | 102562         | 1                  |
| 23                  | 9/16-18 ORFS X 9/16-18 ORB CONNECTOR         | 102563         | 1                  |
| 24                  | 7/16-20 ORB X 7/16-20 ORB CONNECTOR          | 102564         | 2                  |
| 25                  | 1/4-28 ZERK                                  | 101704         | 13                 |
| 26                  | 1/4-28 X 90° ZERK                            | 101828         | 1                  |
| 27                  | DECAL-WARNING                                | 102749         | 2                  |



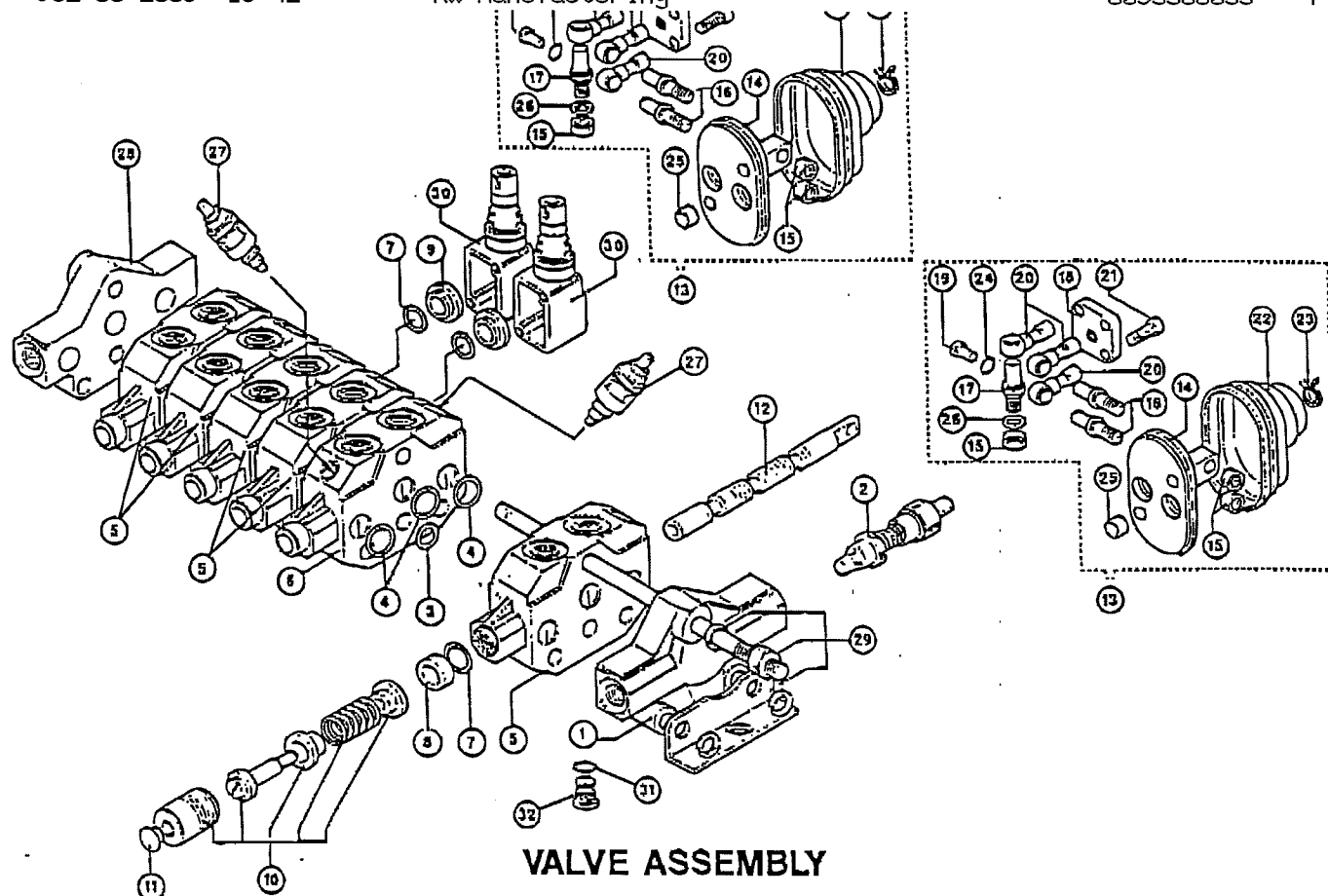
| REFERENCE<br>NUMBER | DESCRIPTION            | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|------------------------|----------------|--------------------|
| 1                   | 1/4 X 146 HYD. HOSE    | 102803         | 1                  |
| 2                   | 1/4 X 143 HYD. HOSE    | 102804         | 1                  |
| 3                   | 1/4 X 83 HYD. HOSE     | 102580         | 1                  |
| 4                   | 1/4 X 79 1/2 HYD HOSE  | 102581         | 1                  |
| 5                   | 1/4 X 78 1/2 HYD. HOSE | 102582         | 1                  |
| 6                   | 1/4 X 78 1/2 HYD. HOSE | 102583         | 1                  |
| 7                   | 1/4 X 27 HYD. HOSE     | 102805         | 1                  |
| 8                   | 1/4 X 25 1/2 HYD. HOSE | 102806         | 1                  |
| 9                   | 1/4 X 45 HYD. HOSE     | 102586         | 2                  |
| 10                  | 1/4 X 39 HYD. HOSE     | 102587         | 2                  |
| 11                  | 1/4 X 15 HYD. HOSE     | 102588         | 2                  |
| 12                  | NYLON TIE              | 100979         | 8                  |



| REFERENCE<br>NUMBER | DESCRIPTION                           | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|---------------------------------------|----------------|--------------------|
| 1                   | 9" BUCKET W/TEETH                     | 19473          | 1                  |
| 2                   | 12" BUCKET W/TEETH                    | 19475          | 1                  |
| 3                   | 16" BUCKET W/TEETH                    | 19477          | 1                  |
| 4                   | TOOTH                                 | 101125         | 3*                 |
|                     | * NUMBER REQUIRED SHOWN FOR 9" BUCKET |                |                    |
|                     | 12" BUCKET REQUIRES 4                 |                |                    |
|                     | 16" BUCKET REQUIRES 5                 |                |                    |



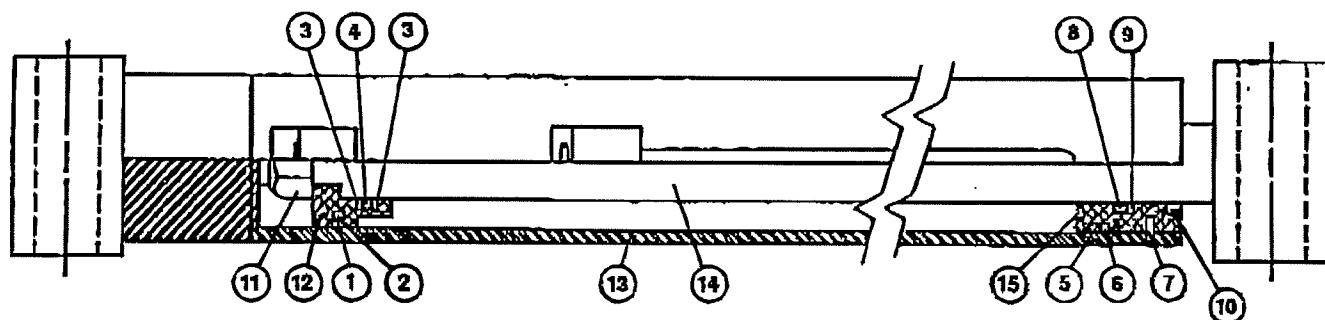
| REFERENCE NUMBER | DESCRIPTION                                          | PART NUMBER | NUMBER REQUIRED |
|------------------|------------------------------------------------------|-------------|-----------------|
| 1                | 6-SPOOL VALVE                                        | 102799      | 1               |
|                  | VALVE (COMPLETE WITH FITTINGS)                       | 19468       | 1               |
| 2                | HANDLE ASSEMBLY-JOYSTICK                             | 19469       | 2               |
|                  | KNOB                                                 | 102866      | 2               |
|                  | HANDLE W/OFFSET                                      | 102867      | 2               |
|                  | M10 X 1.50 HEX NUT                                   | 102872      | 2               |
| 3                | HANDLE ASSEMBLY-STABILIZER                           | 102801      | 2               |
|                  | KNOB                                                 | 102870      | 2               |
|                  | HANDLE                                               | 102868      | 2               |
|                  | M8 X 1.25 HEX NUT                                    | 102869      | 2               |
| 4                | 3/4-16 ORB X 11/16-16 ORFS STRAIGHT THREAD CONNECTOR | 102570      | 1               |
| 5                | 9/16-18 ORFS X 9/16-18 ORB STRAIGHT THREAD CONNECTOR | 102563      | 12              |
| 6                | CHECK VALVE                                          | 102574      | 1               |
| 7                | 3/4-16 ORBM X 9/16 ORBF STRAIGHT THREAD ADAPTOR      | 102575      | 1               |
| 8                | 3/8-16 X 1 HEX HD. CAPSCREW                          | 100045      | 2               |
| 9                | 3/8-16 HEX LOCKNUT                                   | 100754      | 2               |



### VALVE ASSEMBLY

| REFERENCE<br>NUMBER | DESCRIPTION                        | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|------------------------------------|----------------|--------------------|
| 1                   | HDS10 T07 P SAE8 RV HEAD ASSEMBLY  | 102817         | 1                  |
| 2                   | VM01 95-210 BAR R.V. HDM10         | 102818         | 1                  |
| 3                   | 112 O-RING SEAL-90SH               | 102819         | 7                  |
| 4                   | 3056 O-RING SEAL-90SH              | 102820         | 21                 |
| 5                   | HDS11 K01 SAE5 BODY ASSEMBLY       | 102821         | 5                  |
| 6                   | HDS11 K06 SAE5 QA/AB BODY ASSEMBLY | 102823         | 1                  |
| 7                   | 3056 O-RING SEAL-70SH              | 102825         | 12                 |
| 8                   | SPACER                             | 102826         | 6                  |
| 9                   | HDM10 FLANGED WASHER               | 102827         | 6                  |
| 10                  | 01 C.5 HDM10 POSITIONER ASSEMBLY   | 102828         | 6                  |
| 11                  | PLUG                               | 102829         | 6                  |
| 12                  | A TYPE SPOOL HDS11                 | 102830         | 6                  |
| 13                  | HDS10 L133-L134 JOYSTICK KIT       | 102831         | 2                  |
| 14                  | HDS11 SUPPORT JOYSTICK             | 102832         | 2                  |
| 15                  | M6X1X5 DIN934 HEXAGON NUT          | 102833         | 6                  |
| 16                  | HDS11 PIN 1ST SPOOL JOYSTICK       | 102834         | 4                  |
| 17                  | HDS11 PIN 2ND SPOOL JOYSTICK       | 102835         | 2                  |
| 18                  | HDM10 M10 PLATE JOYSTICK           | 102836         | 2                  |
| 19                  | M3X0.5X6 DIN912 SOCKET SCREW       | 102837         | 4                  |
| 20                  | SPHERIC PIN CONNECTOR SIKAC5M SKF  | 102838         | 6                  |
| 21                  | TCEI M05X14 8.8 SCREW              | 102839         | 10                 |
| 22                  | JOYSTICK RUBBER BOOT               | 102840         | 2                  |
| 23                  | STEEL CLAMP FOR DIA. 15MM          | 102841         | 2                  |
| 24                  | L217 SPRING CURV. WASHER           | 102842         | 2                  |
| 25                  | HDM10 DOWELL BUSHING               | 102843         | 4                  |
| 26                  | D.6 UNI 1751 SPRING WASHER         | 102844         | 6                  |
| 27                  | UC VALVE ASSEMBLY HDS130 130-300B  | 102845         | 2                  |
| 28                  | HDS10 P02 SAE8 END COVER           | 102846         | 1                  |
| 29                  | HDS10/6 TIE ROD KIT                | 102851         | 1                  |
| 30                  | HDS11 L100-L300 LEVER ASSEMBLY     | 102853         | 2                  |
| 31                  | 2050 O-RING SEAL-90SH              | 102854         | 6                  |
| 32                  | HDS10 CHECK VALVE ASSEMBLY         | 102855         | 6                  |

# HYDRAULIC CYLINDER ASSEMBLY AND REPAIR PARTS



## CROWD ARM CYLINDER P/N 103147

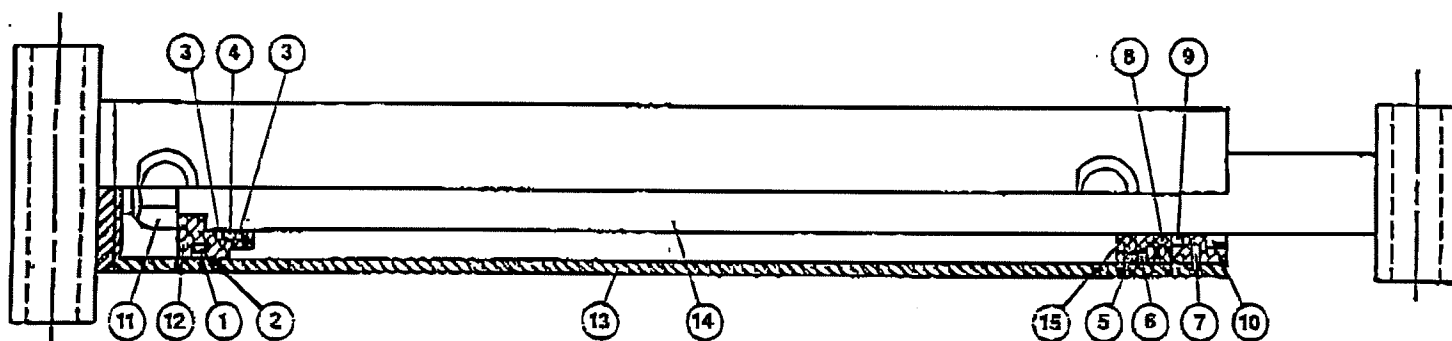
| REFERENCE<br>NUMBER | DESCRIPTION    | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|----------------|----------------|--------------------|
| 1                   | PISTON RING    |                | 1                  |
| 2                   | O-RING         |                | 1                  |
| 3                   | BACK-UP        |                | 2                  |
| 4                   | O-RING         |                | 1                  |
| 5                   | O-RING         |                | 1                  |
| 6                   | BACK-UP        |                | 1                  |
| 7                   | KEYSTOCK       | 103156         | 1                  |
| 8                   | O-RING         |                | 1                  |
| 9                   | BACK-UP        |                | 1                  |
| 10                  | WIPER          |                | 1                  |
| 11                  | 3/4-16 LOCKNUT | 102206         | 1                  |
| 12                  | PISTON         | 103155         | 1                  |
| 13                  | BARREL         | 103158         | 1                  |
| 14                  | ROD            | 103157         | 1                  |
| 15                  | HEADGLAND      | 103154         | 1                  |

ITEMS 1 THRU 6 AND 8 THRU 10, IN QUANTITIES SHOWN  
ARE INCLUDED IN SEAL KIT P/N 103159.

THESE ITEMS ARE NOT AVAILABLE SEPARATELY.

|                  |        |
|------------------|--------|
| CYLINDER DIA.    | 2      |
| ROD DIA.         | 1 1/4  |
| STROKE           | 16 1/2 |
| RETRACTED LENGTH | 24 1/2 |
| EXTENDED LENGTH  | 41     |

# HYDRAULIC CYLINDER ASSEMBLY AND REPAIR PARTS



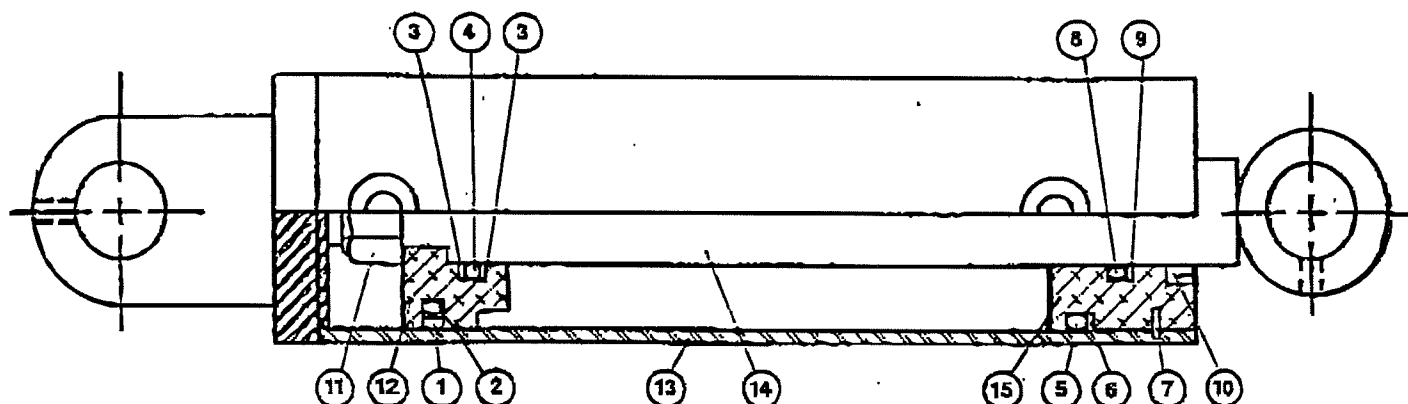
## STABILIZER CYLINDER P/N 102535

| REFERENCE<br>NUMBER | DESCRIPTION    | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|----------------|----------------|--------------------|
| 1                   | PISTON RING    | 102190         | 1                  |
| 2                   | O-RING         | 102191         | 1                  |
| 3                   | BACK-UP        | 102192         | 2                  |
| 4                   | O-RING         | 102193         | 1                  |
| 5                   | O-RING         | 102194         | 1                  |
| 6                   | BACK-UP        | 102195         | 1                  |
| 7                   | SNAP RING      | 102196         | 1                  |
| 8                   | O-RING         | 102197         | 1                  |
| 9                   | BACK-UP        | 102198         | 1                  |
| 10                  | WIPER          | 102199         | 1                  |
| 11                  | 3/4-16 LOCKNUT | 102206         | 1                  |
| 12                  | PISTON         | 102200         | 1                  |
| 13                  | BARREL         | 102617         | 1                  |
| 14                  | ROD            | 102616         | 1                  |
| 15                  | HEADGLAND      | 102203         | 1                  |

ITEMS 1 THRU 10, IN QUANTITIES SHOWN  
ARE INCLUDED IN SEAL KIT P/N 102189.  
THESE ITEMS ARE NOT AVAILABLE

|                  |        |
|------------------|--------|
| CYLINDER DIA.    | 2      |
| ROD DIA.         | 1 1/8  |
| STROKE           | 12 3/4 |
| RETRACTED LENGTH | 20 1/4 |
| EXTENDED LENGTH  | 33     |

## HYDRAULIC CYLINDER ASSEMBLY AND REPAIR PARTS



**SWING  
CYLINDER P/N 102539**

| REFERENCE<br>NUMBER | DESCRIPTION    | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|----------------|----------------|--------------------|
| 1                   | PISTON RING    | 102319         | 1                  |
| 2                   | O-RING         | 102334         | 1                  |
| 3                   | BACK-UP        | 102192         | 2                  |
| 4                   | O-RING         | 102193         | 1                  |
| 5                   | O-RING         | 102337         | 1                  |
| 6                   | BACK-UP        | 102338         | 1                  |
| 7                   | SNAP RING      | 102339         | 1                  |
| 8                   | O-RING         | 102197         | 1                  |
| 9                   | BACK-UP        | 102198         | 1                  |
| 10                  | WIPER          | 102199         | 1                  |
| 11                  | 3/4-16 LOCKNUT | 102206         | 1                  |
| 12                  | PISTON         | 102324         | 1                  |
| 13                  | BARREL         | 102619         | 1                  |
| 14                  | ROD            | 102326         | 1                  |
| 15                  | HEADGLAND      | 102327         | 1                  |

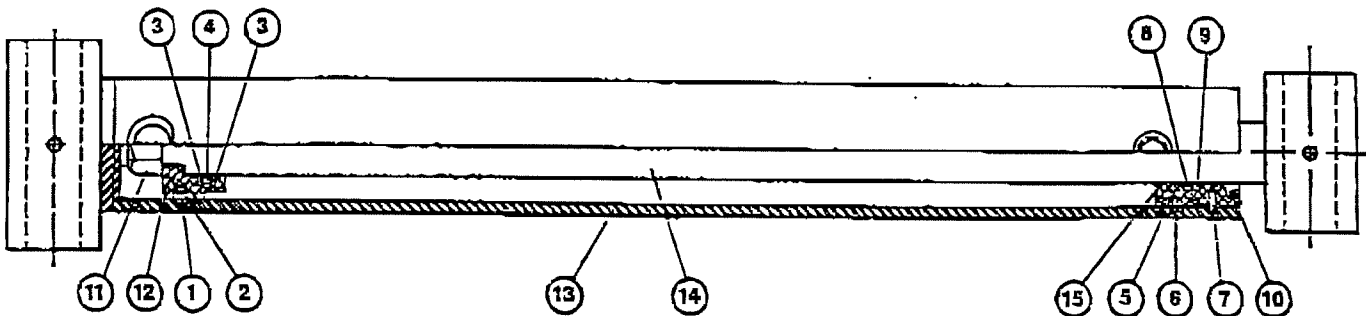
ITEMS 1 THRU 10, IN QUANTITIES SHOWN

ARE INCLUDED IN SEAL KIT P/N 102332.

THESE ITEMS ARE NOT AVAILABLE SEPARATELY.

|                  |        |
|------------------|--------|
| CYLINDER DIA.    | 2      |
| ROD DIA.         | 1 1/8  |
| STROKE           | 6      |
| RETRACTED LENGTH | 13 3/8 |
| EXTENDED LENGTH  | 19 3/8 |

# HYDRAULIC CYLINDER ASSEMBLY AND REPAIR PARTS



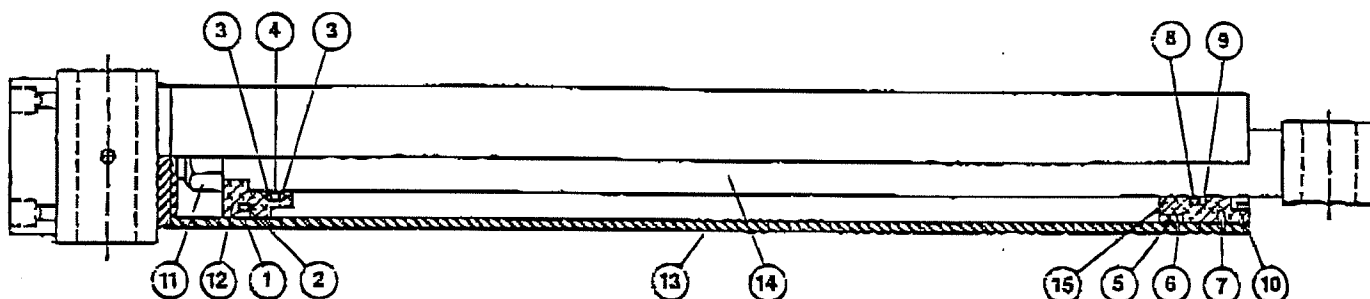
## BOOM CYLINDER P/N 102541

| REFERENCE<br>NUMBER | DESCRIPTION    | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|----------------|----------------|--------------------|
| 1                   | PISTON RING    | 102190         | 1                  |
| 2                   | O-RING         | 102191         | 1                  |
| 3                   | BACK-UP        | 102192         | 2                  |
| 4                   | O-RING         | 102193         | 1                  |
| 5                   | O-RING         | 102194         | 1                  |
| 6                   | BACK-UP        | 102195         | 1                  |
| 7                   | SNAP RING      | 102196         | 1                  |
| 8                   | O-RING         | 102197         | 1                  |
| 9                   | BACK-UP        | 102198         | 1                  |
| 10                  | WIPER          | 102199         | 1                  |
| 11                  | 3/4-16 LOCKNUT | 102206         | 1                  |
| 12                  | PISTON         | 102200         | 1                  |
| 13                  | BARREL         | 102621         | 1                  |
| 14                  | ROD            | 102620         | 1                  |
| 15                  | HEADGLAND      | 102203         | 1                  |

ITEMS 1 THRU 10, IN QUANTITIES SHOWN  
ARE INCLUDED IN SEAL KIT P/N 102189.  
THESE ITEMS ARE NOT AVAILABLE SEPARATELY.

|                  |        |
|------------------|--------|
| CYLINDER DIA.    | 2      |
| ROD DIA.         | 1 1/8  |
| STROKE           | 17 1/2 |
| RETRACTED LENGTH | 23 3/4 |
| EXTENDED LENGTH  | 41 1/4 |

# HYDRAULIC CYLINDER ASSEMBLY AND REPAIR PARTS



## BUCKET CYLINDER P / N 102780

| REFERENCE<br>NUMBER | DESCRIPTION    | PART<br>NUMBER | NUMBER<br>REQUIRED |
|---------------------|----------------|----------------|--------------------|
| 1                   | PISTON RING    | 102190         | 1                  |
| 2                   | O-RING         | 102191         | 1                  |
| 3                   | BACK-UP        | 102192         | 2                  |
| 4                   | O-RING         | 102193         | 1                  |
| 5                   | O-RING         | 102194         | 1                  |
| 6                   | BACK-UP        | 102195         | 1                  |
| 7                   | SNAP RING      | 102196         | 1                  |
| 8                   | O-RING         | 102197         | 1                  |
| 9                   | BACK-UP        | 102198         | 1                  |
| 10                  | WIPER          | 102199         | 1                  |
| 11                  | 3/4-16 LOCKNUT | 102206         | 1                  |
| 12                  | PISTON         | 102200         | 1                  |
| 13                  | BARREL         | 102899         | 1                  |
| 14                  | ROD            | 102898         | 1                  |
| 15                  | HEADGLAND      | 102203         | 1                  |

ITEMS 1 THRU 10, IN QUANTITIES SHOWN  
ARE INCLUDED IN SEAL KIT P/N 102189.  
THESE ITEMS ARE NOT AVAILABLE SEPARATELY.

|                  |        |
|------------------|--------|
| CYLINDER DIA.    | 2      |
| ROD DIA.         | 1 1/8  |
| STROKE           | 15     |
| RETRACTED LENGTH | 21 3/8 |
| EXTENDED LENGTH  | 36 3/8 |