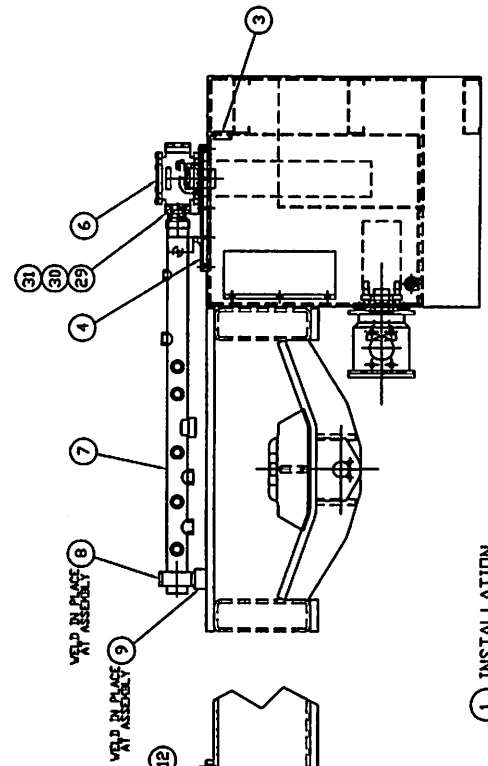
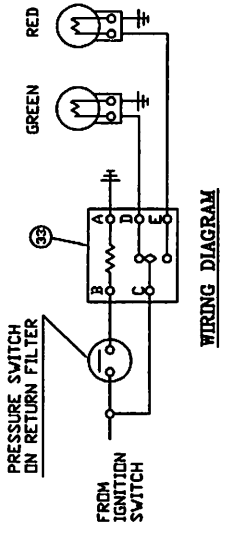
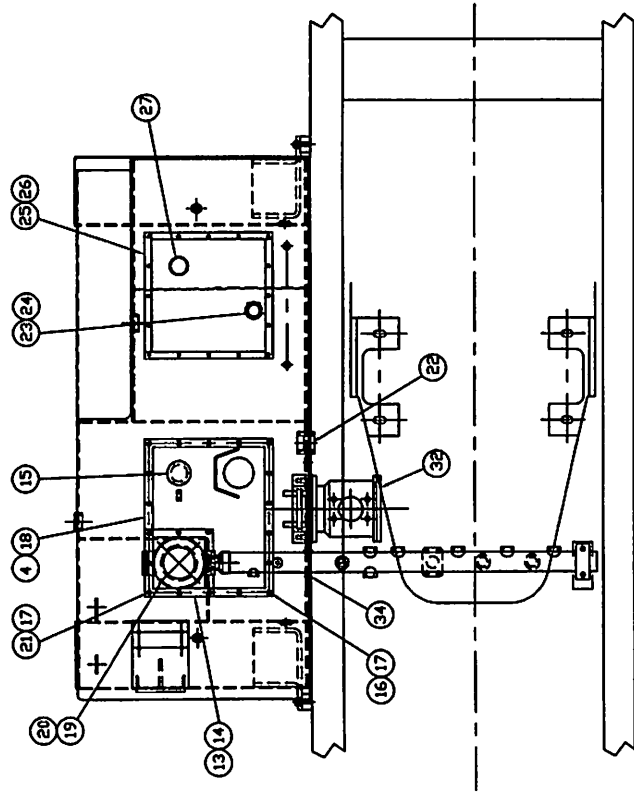




SECTION T

HYDRAULIC  
SYSTEM



|                                   |                   |
|-----------------------------------|-------------------|
| HYDRAULIC TANK CAPACITY = 94 GAL. |                   |
| SWINGMASTER CORPORATION           |                   |
| 1618 WILSON AVENUE                |                   |
| FRANKLIN PARK, ILLINOIS 60151     |                   |
| HYD. & FUEL TANK INSTALLATION     |                   |
| MODEL SL100-15                    |                   |
| DATE: 8-26-98                     | DRAWING NO. D-801 |

TOLERANCES  
 UNLESS OTHERWISE SPECIFIED  
 3 PLACE DECIMALS ±.005  
 1 PLACE DECIMALS ±.01  
 ANGLES  
 SEE DIMENSIONAL SPECIFICATION  
 DIMENSIONS ARE IN INCHES  
 UNLESS OTHERWISE SPECIFIED  
 SCALE: 1" = 1"

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

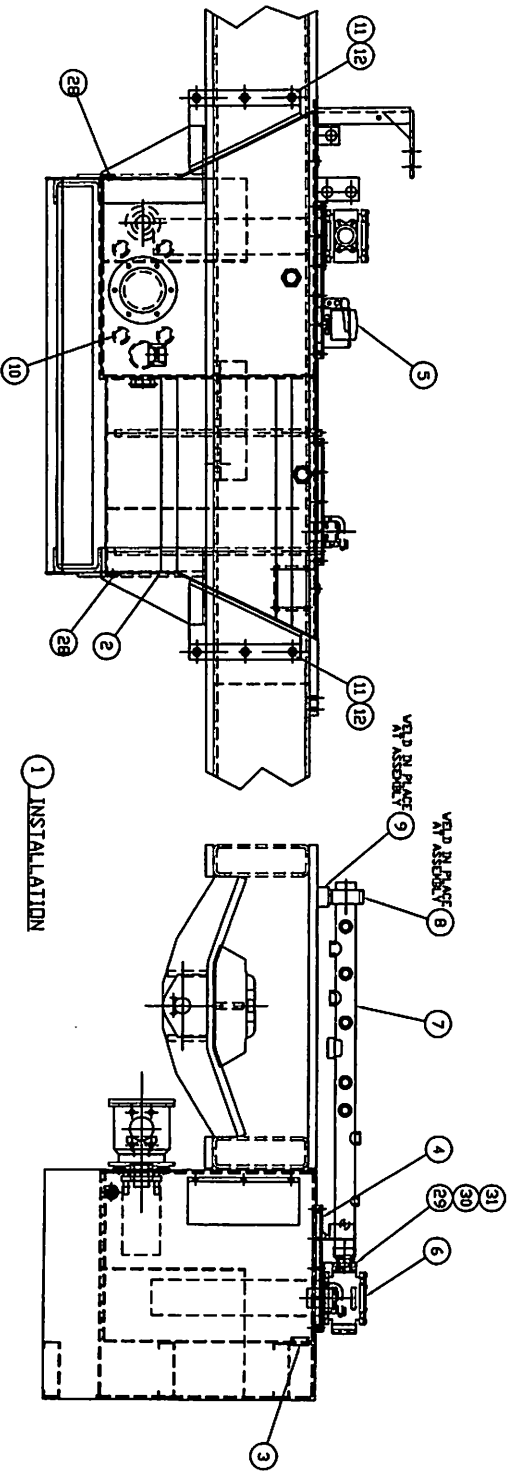
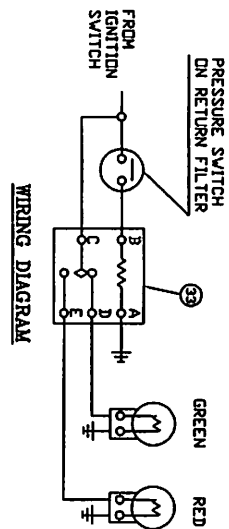
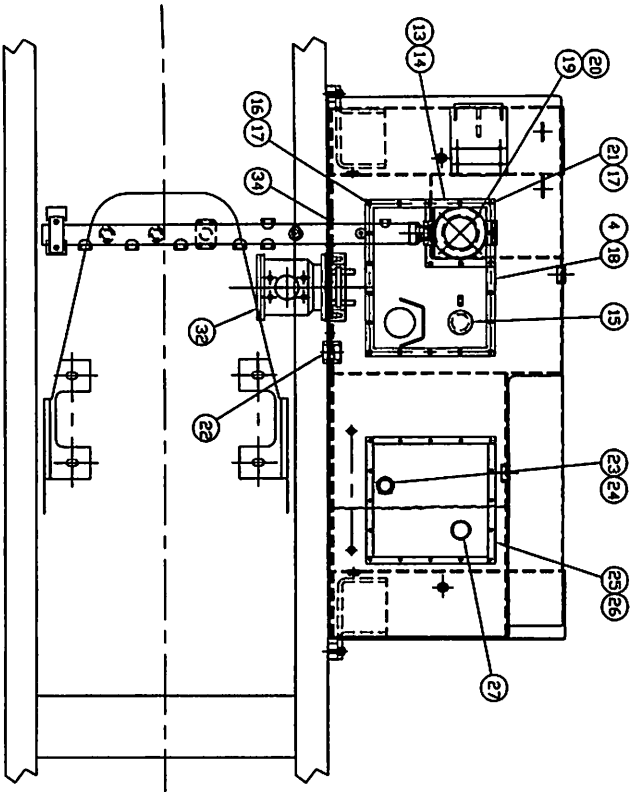
| ASSEMBLY<br>NUMBER |                | DESCRIPTION                             |             |
|--------------------|----------------|-----------------------------------------|-------------|
| 1805866            |                | HYDRAULIC & FUEL TANK INSTALLATION      |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                             | QTY<br>USED |
| 002                | 1805867        | HYDRAULIC & FUEL TANK WELDMENT          | 1           |
| 003                | 1800270        | SIGHT GAUGE - 1 1/2" NPT                | 2           |
| 004                | 1805868        | HYDRAULIC TANK COVER WELDMENT           | 1           |
| 005                | 1800621        | RESERVOIR BREATHER                      | 1           |
| 006                | 1804867        | HYD. RETURN FILTER (KS7 FILTER ELEMENT) | 1           |
| 007                | 1805869        | HYDRAULIC RETURN LINE MANIFOLD          | 1           |
| 008                | 1803322        | HOSE CLAMP - 2 1/2"                     | 1           |
| 009                | 1805870        | MOUNTING BLOCK                          | 1           |
| 010                | 1802675        | 3/4" PIPE PLUG - SOCKET HEAD            | 4           |
| 011                | 1800471        | H.H.C.S. 1/2-13 X 1 1/2" LONG           | 6           |
| 012                | 1800570        | 1/2" LOCK WASHER                        | 6           |
| 013                | 1805871        | HYDRAULIC FILTER FLANGE                 | 1           |
| 014                | 1802028        | HYDRAULIC FILTER FLANGE GASKET          | 1           |
| 015                | 1800263        | HYDRAULIC TANK CAP WITH LOCKING TAB     | 1           |
| 016                | 1800442        | H.H.C.S. 5/16-18 X 3/4" LONG            | 29          |
| 017                | 1800074        | 5/16" LOCK WASHER                       | 37          |
| 018                | 1805872        | HYDRAULIC TANK COVER GASKET             | 1           |
| 019                | 1800454        | H.H.C.S. 3/8-16 X 1 1/4" LONG           | 4           |
| 020                | 1800568        | 3/8" LOCK WASHER                        | 4           |
| 021                | 1800443        | H.H.C.S. 5/16-18 X 1" LONG              | 8           |
| 022                | 1800660        | 2" PIPE PLUG-SOCKET HEAD                | 1           |
| 023                | 1800276        | FUEL LEVEL SENDER                       | 1           |
| 024                | 1800287        | GASKET (FOR FUEL SENDER)                | 1           |
| 025                | 1806207        | FUEL TANK COVER PLATE WLDM'T            | 1           |
| 026                | 1800895        | COVER PLATE GASKET                      | 1           |
| 027                | 1800274        | FUEL CAP                                | 1           |
| 028                | 1800656        | 1/2" PIPE PLUG-SOCKET HEAD              | 2           |
| 029                | 1800826        | 1 1/2" SPLIT FLANGE CLAMP HALF          | 2           |
| 030                | 1802587        | SOCKET HEAD CAP SCREW 1/2-13 X 1" LONG  | 4           |
| 031                | 1804054        | PIPE CAP - 2"                           | 1           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



|                                       |                               |
|---------------------------------------|-------------------------------|
| HYDRAULIC TANK CAPACITY = 94 GAL.     |                               |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | THIS MODEL AND/OR             |
| FRACTIONS ± 1/16                      | FINISHES SHALL BE             |
| DECIMALS ± 0.005                      | UNLESS OTHERWISE SPECIFIED    |
| ANGLES ± 1/2°                         |                               |
| ALL DIMENSIONS ARE IN INCHES          |                               |
| DO NOT SCALE DRAWING                  |                               |
| DATE: 8-26-90                         | DESIGNED BY: JLC              |
|                                       | DRAWN BY: JLC                 |
|                                       | MODEL: SL80-15                |
|                                       | HYD. & FUEL TANK INSTALLATION |
|                                       | SYNCHMASTER CORPORATION       |
|                                       | D-801                         |

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY  
NUMBER

DESCRIPTION

1805866

HYDRAULIC & FUEL TANK INSTALLATION

ITEM  
NO.

PART  
NUMBER

DESCRIPTION

QTY  
USED

032

1805611

SUCTION STRAINER

1

033

1800381

RELAY SWITCH - SPST 12V

1

034

1800657

1 1/4" PIPE PLUG-SOCKET HEAD

1

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

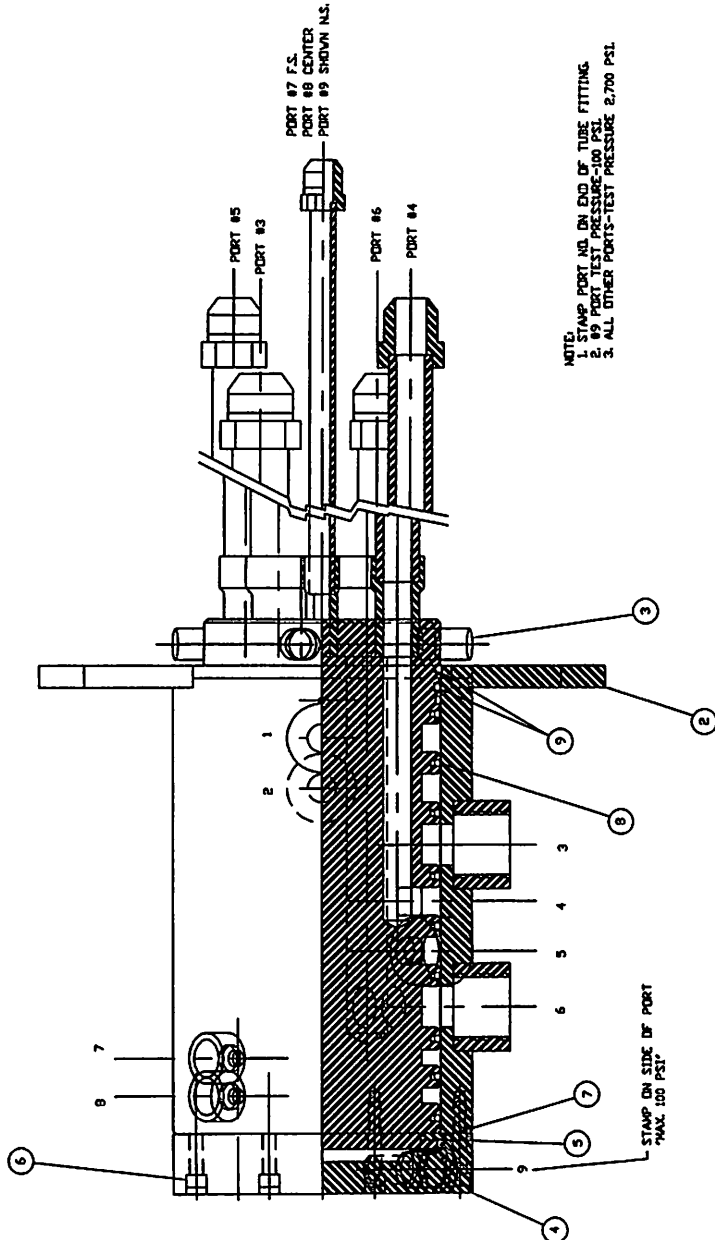
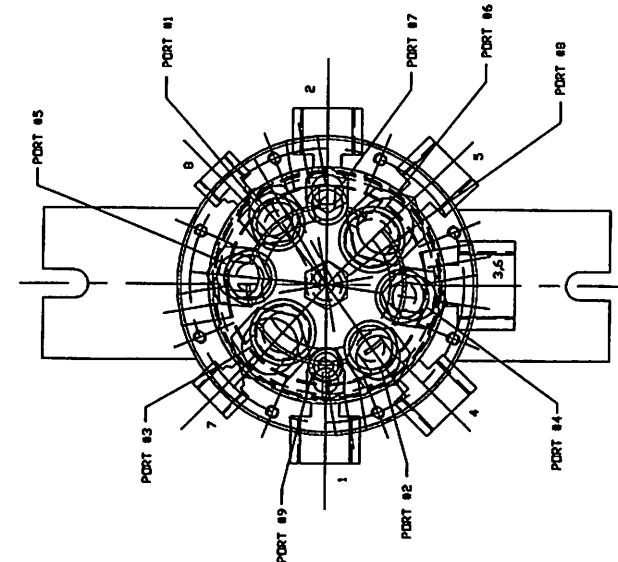
| ASSEMBLY<br>NUMBER |                | DESCRIPTION                        |             |
|--------------------|----------------|------------------------------------|-------------|
| 1806884            |                | SWIVEL INSTALLATION                |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                        | QTY<br>USED |
| 2                  | 1806880        | HYDRAULIC SWIVEL ASSEMBLY          | 1           |
| 3                  | 1800470        | H.H.C.S. 1/2-20 X 1 1/4" LONG      | 2           |
| 4                  | 1800570        | 1/2" LOCK WASHER                   | 7           |
| 5                  | 1800972        | 1" O-RING BOSS PLUG-HEX HEAD       | 2           |
| 6                  | 1800971        | 1/2" O-RING BOSS PLUG-HEX HEAD     | 1           |
| 7                  | 1800888        | 1" TUBE CAP NUT                    | 2           |
| 8                  | 1801335        | HOSE ASSEMBLY 1503-8               | 1           |
| 9                  | 1800757        | STRAIGHT MALE 1/2 PIPE TO 1/2 TUBE | 1           |
| 10                 | 1806883        | SWIVEL ANCHOR TUBE WELDMENT        | 1           |
| 11                 | 1800968        | SWIVEL ANCHOR ARM                  | 1           |
| 12                 | 1806885        | SWIVEL ANCHOR MOUNTING ANGLE       | 1           |
| 13                 | 1801629        | H.H.C.S. 1/2-13 X 2 1/4" LONG      | 4           |
| 14                 | 1800517        | HEX NUT 1/2-13                     | 7           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



NOTE:  
 1. STAMP PORT AND ON END OF TUBE FITTING.  
 2. PORTS TEST PRESSURE 2,700 PSI.  
 3. ALL OTHER PORTS-TEST PRESSURE 2,700 PSI.

1 ASSEMBLY

|                               |             |
|-------------------------------|-------------|
| SWINGMASTER CORPORATION       |             |
| 11115 WILSON AVENUE           |             |
| FRANKLIN PARK, ILLINOIS 60131 |             |
| HYDRAULIC VALVE ASSEMBLY      |             |
| MODEL 1811CHD                 | DRAWING NO. |
| DATE 8-19-08                  | DRAWING NO. |
| D1-694                        |             |

TOLERANCES  
 UNLESS OTHERWISE SPECIFIED  
 1. DIMENSIONS ARE IN INCHES  
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 125. PLACE DECIMALS +/-



MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

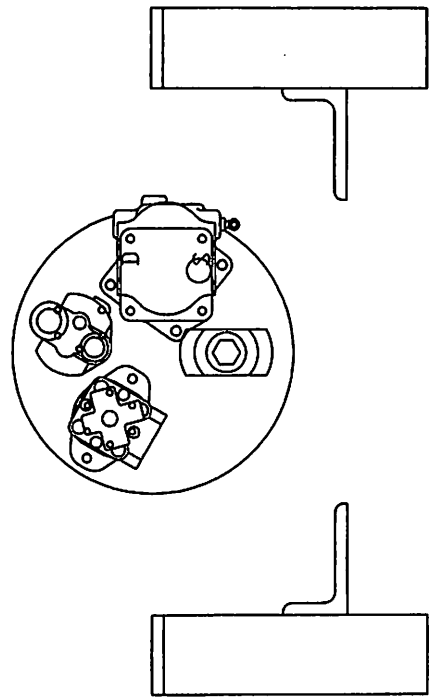
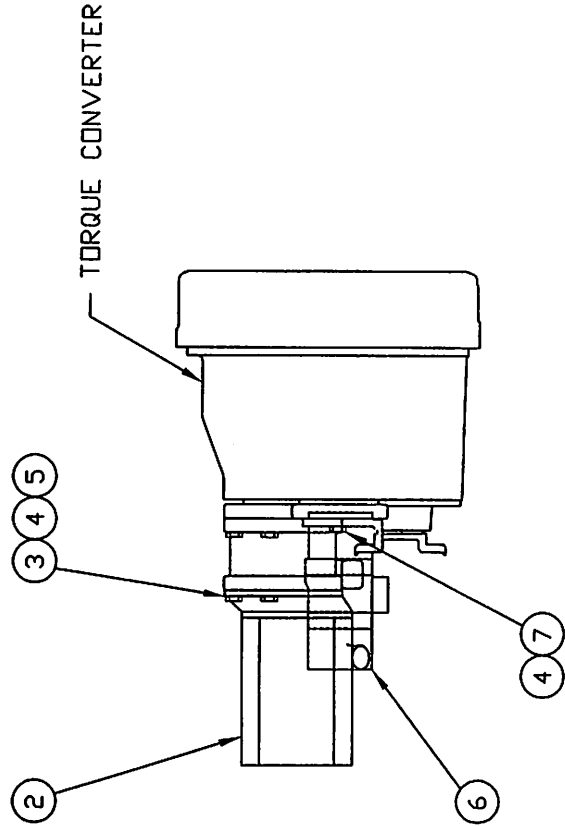
| ASSEMBLY<br>NUMBER |                | DESCRIPTION                     |             |
|--------------------|----------------|---------------------------------|-------------|
| 1806880            |                | HYDRAULIC SWIVEL ASSEMBLY       |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                     | QTY<br>USED |
| 002                | 1805520        | SWIVEL BARREL WELDMNTL ASSEMBLY | 1           |
| 003                | 1806881        | CORE LINES WELDMNT              | 1           |
| 004                | 1805522        | CAP                             | 1           |
| 005                | 1805523        | LOCK RING                       | 1           |
| 006                | 1805527        | S.H.C.S. 1/4-20X1-1/4"LG        | 8           |
| 007                | 1805525        | O-RING                          | 1           |
| 008                | 1805526        | SEAL SET                        | 9           |
| 009                | 1805524        | O-RINGING                       | 2           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



# 1 INSTALLATION

|                                                                                                                                             |                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--|
| TOLERANCES<br>UNLESS OTHERWISE SPECIFIED<br>FRACTIONS +/-<br>3 PLACE DECIMALS +/-<br>2 PLACE DECIMALS +/-<br>1 PLACE DECIMALS +/-<br>ANGLES | <b>SWINGMASTER CORPORATION</b><br>11415 MELROSE AVENUE<br>FRANKLIN PARK, ILLINOIS 60131 |  |
|                                                                                                                                             | HYDRAULIC PUMPS INSTALLATION                                                            |  |
|                                                                                                                                             | DRAWN BY: B.V.<br>DATE: 9-14-88                                                         |  |
|                                                                                                                                             | DRAWING NO.<br><b>C-116</b>                                                             |  |

|          |        |
|----------|--------|
| 1        | 4-5-90 |
| REV. NO. | DATE   |

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY  
NUMBER

DESCRIPTION

1803380 HYDRAULIC PUMPS INSTALLATION

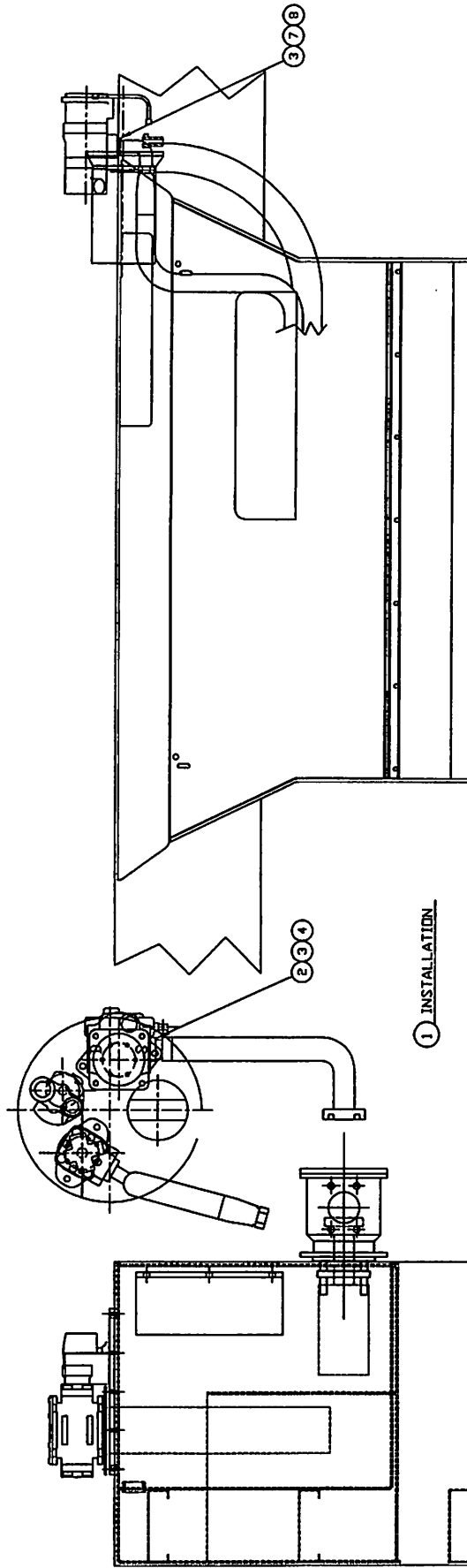
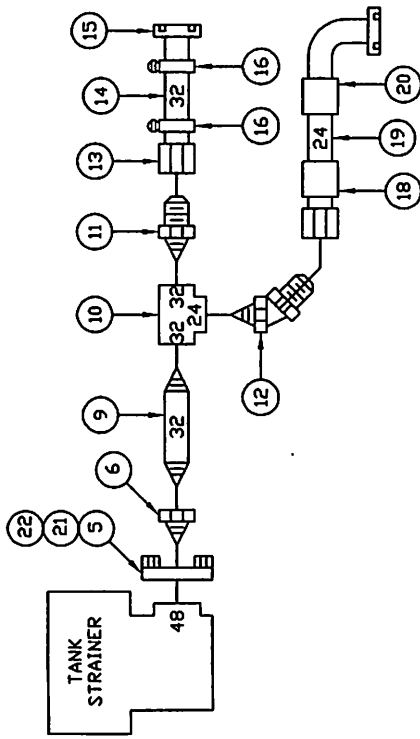
| ITEM<br>NO. | PART<br>NUMBER | DESCRIPTION                             | QTY<br>USED |
|-------------|----------------|-----------------------------------------|-------------|
| 2           | 1803381        | MAIN HYDRAULIC PUMP                     | 1           |
| 3           | 1800509        | R/H THREAD STUD 1/2-13 X 1 3/4" LONG    | 4           |
| 4           | 1800570        | 1/2" LOCK WASHER                        | 6           |
| 5           | 1800517        | HEX NUT 1/2-13                          | 4           |
| 6           | 1800120        | HYDRAULIC PUMP - DOUBLE - STEER + PILOT | 1           |
| 7           | 1800471        | H.H.C.S. 1/2-13 X 1 1/2" LONG           | 2           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



|                                                                                                                                             |                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>SWINGMASTER CORPORATION</b><br>11415 WELROSE AVENUE<br>FRANKLIN PARK, ILLINOIS 60131                                                     | <b>MAIN SUCTION LINES &amp; FITTINGS INSTALLATION</b>                                                                           |
| <b>TOLERANCES</b><br>UNLESS OTHERWISE SPECIFIED<br>FINISHES: 1 PLACE DECIMALS +/-<br>2 PLACE DECIMALS +/-<br>1 PLACE DECIMALS +/-<br>ANGLES | SEE SWINGMASTER SPECIFICATION<br>G-1 FOR TOLERANCES NOT SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>DO NOT SCALE DRAWING<br>SCALE: |
| BNRR MODEL SL180-15<br>DRAWN BY: J.K.<br>DATE: 8-11-98                                                                                      | DRAWING NO.<br><b>C-365</b>                                                                                                     |

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

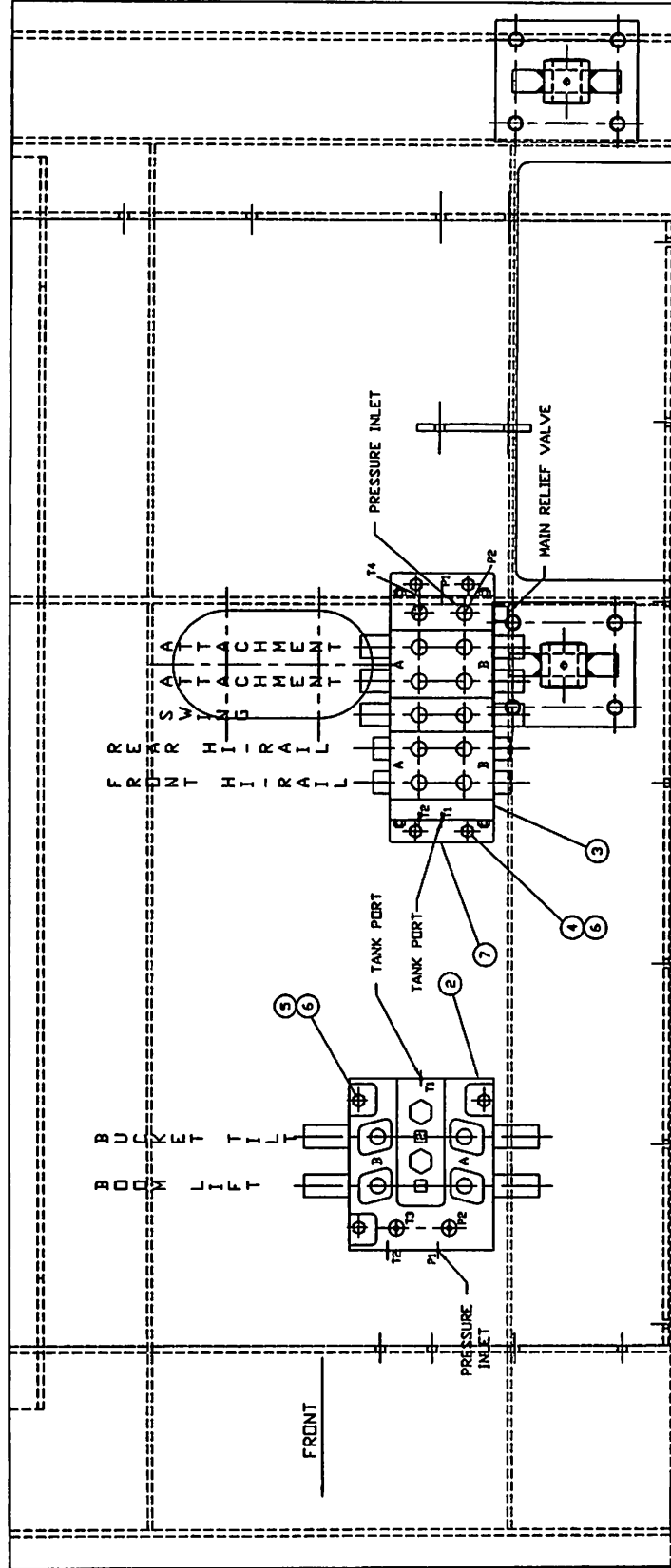
| ASSEMBLY<br>NUMBER |                | DESCRIPTION                              |             |
|--------------------|----------------|------------------------------------------|-------------|
| 1805886            |                | MAIN SUCTION LINES & FITTINGS INST'L     |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
| 002                | 1800827        | 2" SPLIT FLANGE CLAMP HALF               | 2           |
| 003                | 1801343        | 12 POINT FLANGED SCREW 1/2-13 X 1 1/4 LG | 8           |
| 004                | 1800822        | 2" O-RING FOR SPLIT FLANGE HEAD          | 1           |
| 005                | 1805891        | 4 BOLT FLANGE ADAPTER                    | 1           |
| 006                | 1805892        | 3" TO 2" REDUCING BUSHING                | 1           |
| 007                | 1800826        | 1 1/2" SPLIT FLANGE CLAMP HALF           | 2           |
| 008                | 1800821        | 1 1/2" O-RING FOR SPLIT FLANGE HEAD      | 1           |
| 009                | 1804161        | PIPE NIPPLE - 2"                         | 1           |
| 010                | 1805893        | 150LB REDUCING TEE 2x2x1-1/2             | 1           |
| 011                | 1805894        | PIPE TO FLARE UNION -32-32S              | 1           |
| 012                | 1805895        | PIPE TO FLARE 45 DEG. MALE ELBOW -32-32S | 1           |
| 013                | 1805896        | FLARE SWIVEL END -32-32                  | 1           |
| 014                | 1800727        | 2661-32 BULK HOSE/(IN)                   | 1           |
| 015                | 1801007        | STRAIGHT 1 1/2" SPLIT FLANGE-2661-12     | 1           |
| 016                | 1800693        | 2 1/2" HOSE CLAMP                        | 2           |
| 018                | 1800998        | HOSE FITTING -24                         | 1           |
| 019                | 1805897        | HOSE 1503-24                             | 1           |
| 020                | 1800997        | HOSE FITTING SPLIT FLANGE ELBOW -24      | 1           |
| 021                | 1805898        | 12 PT FLANGE HEAD CAP SCREW 5/8-11x1-3/4 | 4           |
| 022                | 1805899        | O-RING -48                               | 1           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



# 1. INSTALLATION

TOLERANCES  
UNLESS OTHERWISE SPECIFIED  
FRACTIONS  $\pm$  1/16  
3 PLACE DECIMALS  $\pm$  0.001  
2 PLACE DECIMALS  $\pm$  0.01  
1 PLACE DECIMALS  $\pm$  0.1  
ANGLES  
SEE SWINGMASTER SPECIFICATION  
G-1 FOR TOLERANCES NOT SPECIFIED  
DIMENSIONS ARE IN INCHES  
DO NOT SCALE DRAWING  
SCALE 1"

SWINGMASTER CORPORATION  
11415 MELROSE AVENUE  
FRANKLIN PARK, ILLINOIS 60131  
VALVES INSTALLATION  
FOR MODEL 18ITCHD  
DRAWN BY: J.K.  
DATE: 12-4-08  
DRAWING NO. C2-46

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY  
NUMBER

DESCRIPTION

1806877

VALVE INSTALLATION

ITEM  
NO.

PART  
NUMBER

DESCRIPTION

QTY  
USED

2

1801428

CONTROL VALVE

1

3

1800118

HYDRAULIC CONTROL VALVE

1

4

1800450

H.H.C.S. 3/8-16 X 5/8" LONG

4

5

1800462

H.H.C.S. 3/8-16 X 3" LONG

3

6

1800568

3/8" LOCK WASHER

7

7

1800189

TAPPED STEEL BAR

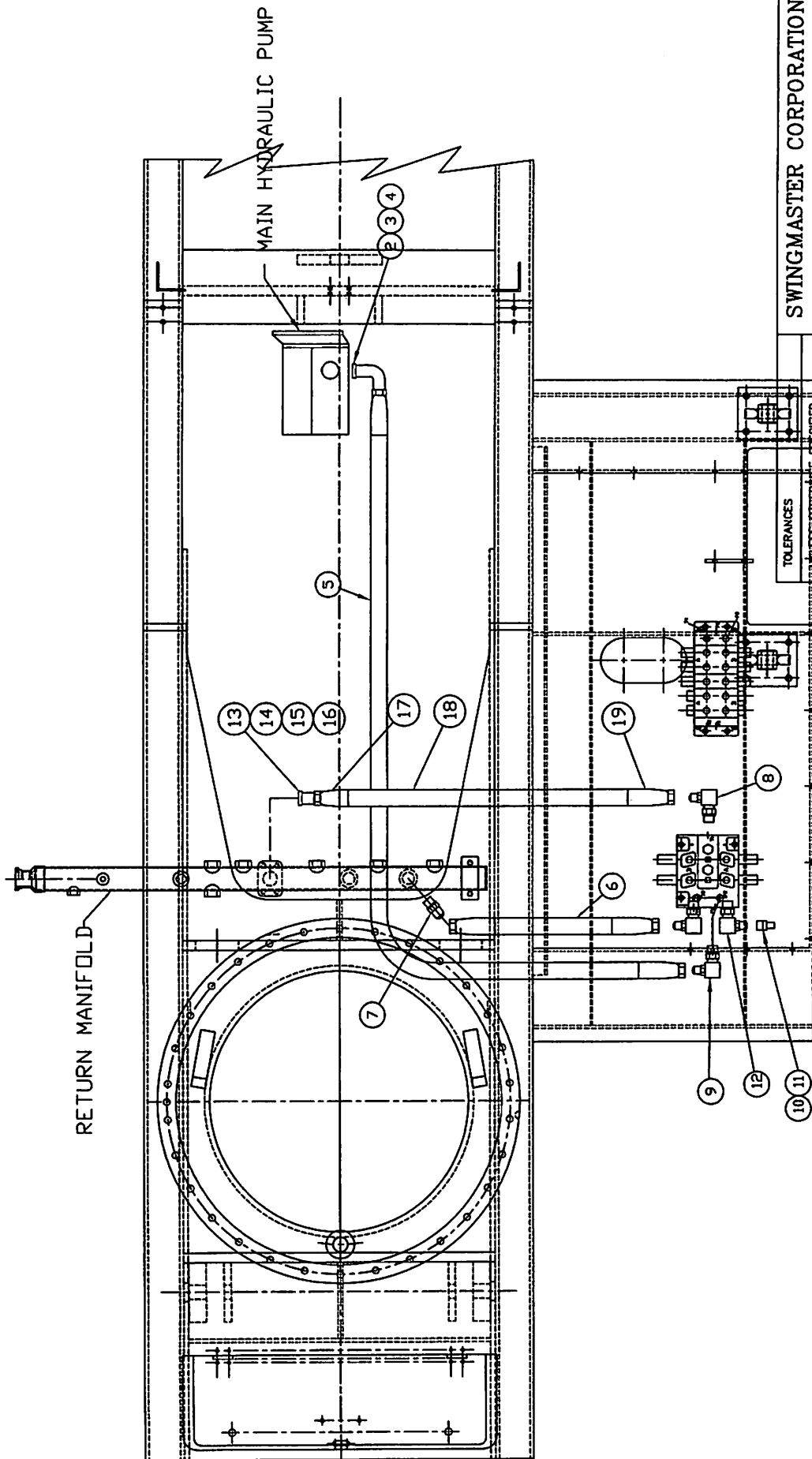
2

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



SWINGMASTER CORPORATION

11415 WELROSE AVENUE  
FRANKLIN PARK, ILLINOIS 60131

MAIN HYDRAULIC CONTROL VALVE LINES &

FITTING INSTALLATION (PRESSURE & RETURN)

MODEL SL180-12

DRAWN BY: J.K.

DATE: 12-16-08

C2-171

TOLERANCES

FRACTIONS  $\pm$  1/16  
3 PLACE DECIMALS  $\pm$  0.001  
2 PLACE DECIMALS  $\pm$  0.01  
1 PLACE DECIMALS  $\pm$  0.1  
ANGLES

SEE SWINGMASTER SPECIFICATION  
G-1 FOR TOLERANCES NOT SPECIFIED  
DIMENSIONS ARE IN INCHES  
DO NOT SCALE DRAWING

1 INSTALLATION



MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER .

HYDRAULIC SYSTEM

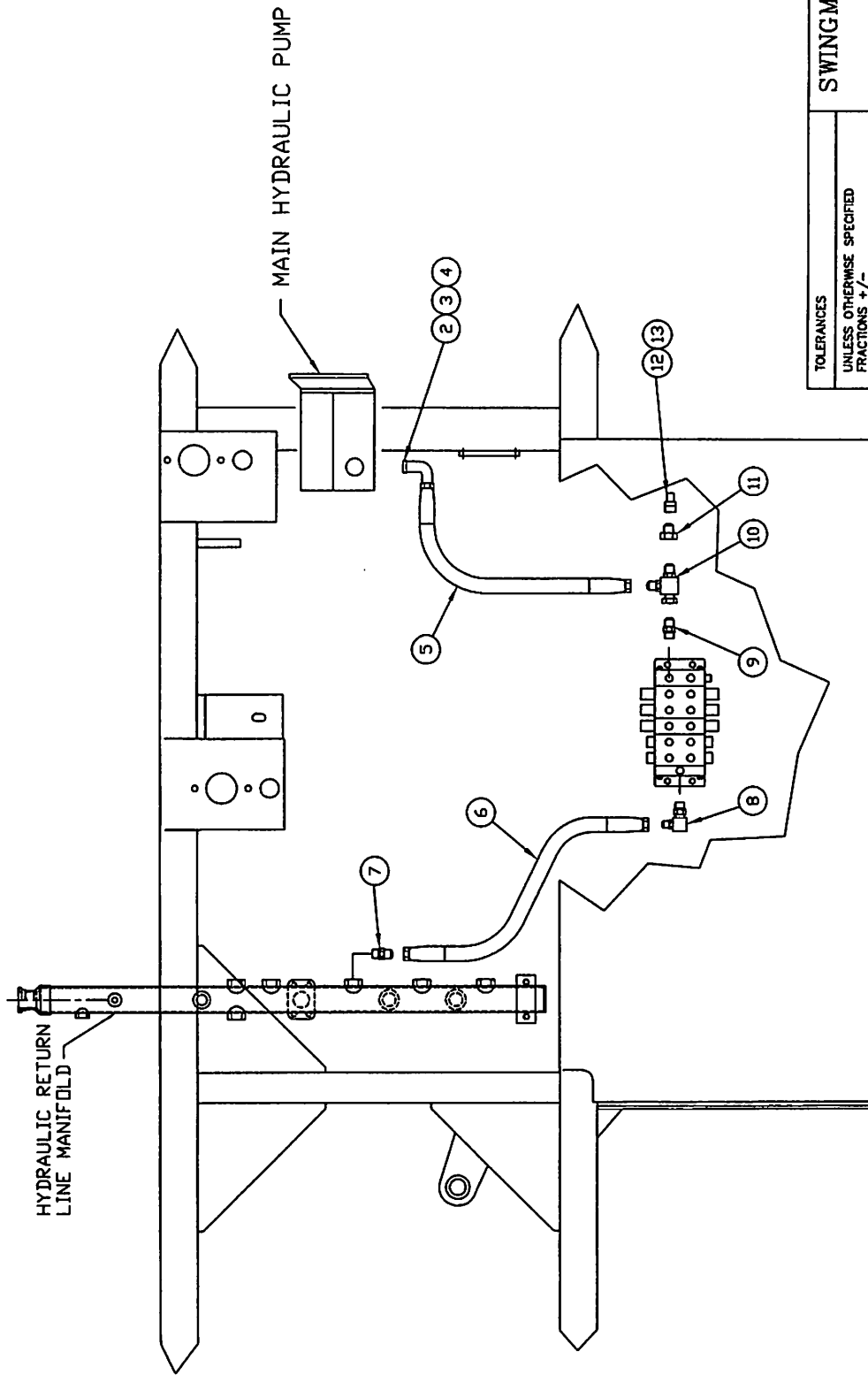
| ASSEMBLY<br>NUMBER |                | DESCRIPTION                              |             |
|--------------------|----------------|------------------------------------------|-------------|
| 1806896            |                | HYD. CONTROL VALVE LINES & FITTING (P&R) |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
| 2                  | 1800825        | 1 1/4" SPLIT FLANGE CLAMP HALF           | 2           |
| 3                  | 1800869        | 12 POINT FLANGED SCREW 7/16-14X 1 1/4 LG | 4           |
| 4                  | 1800820        | 1 1/4" O-RING FOR SPLIT FLANGE HEAD      | 1           |
| 5                  | 1801339        | HOSE ASSEMBLY 2781-16                    | 1           |
| 6                  | 1801338        | HOSE ASSEMBLY 1503-20                    | 1           |
| 7                  | 1802525        | STRAIGHT MALE 1 1/4 O-RING TO 1 TUBE     | 1           |
| 8                  | 1806897        | 90%°D MALE ELBOW 1 "O"RING TO 1.25 TUBE  | 1           |
| 9                  | 1800804        | 90 DEG MALE ELBOW 1 O-RING TO 1 TUBE     | 1           |
| 10                 | 1800264        | TEST PORT - 3/4"-16                      | 1           |
| 11                 | 1800876        | DUST CAP                                 | 1           |
| 12                 | 1802385        | 90 DEG MALE ELBOW 1 O-RING TO 1/2 TUBE   | 0           |
| 13                 | 1800821        | 1 1/2" O-RING FOR SPLIT FLANGE HEAD      | 0           |
| 14                 | 1800826        | 1 1/2" SPLIT FLANGE CLAMP HALF           | 0           |
| 15                 | 1801343        | 12 POINT FLANGED SCREW 1/2-13 X 1 1/4 LG | 0           |
| 16                 | 1800570        | 1/2" LOCK WASHER                         | 0           |
| 17                 | 1806898        | HOSE FITTING                             | 0           |
| 18                 | 1800725        | 1503-20 BULK HOSE/(IN)                   | 0           |
| 19                 | 1806899        | HOSE FITTING                             | 0           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



# 1 INSTALLATION

TOLERANCES  
UNLESS OTHERWISE SPECIFIED  
FRACTIONS  $\pm$  1/16  
3 PLACE DECIMALS  $\pm$  0.001  
2 PLACE DECIMALS  $\pm$  0.01  
1 PLACE DECIMALS  $\pm$  0.1  
ANGLES

SEE SWINGMASTER SPECIFICATION  
G-1 FOR TOLERANCES NOT SPECIFIED  
DIMENSIONS ARE IN INCHES  
DO NOT SCALE DRAWING  
SCALE: 1" = 1'-0"

SWINGMASTER CORPORATION

11415 MELROSE AVENUE  
FRANKLIN PARK, ILLINOIS 60131

SECONDARY HYD. CONTROL VALVE LINES &  
FITTING INSTALLATION (PRESSURE & RETURN)

MODEL SL180-12

DRAWN BY: J.K.

DATE: 12-16-08

DRAWING NO.

C2-172

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

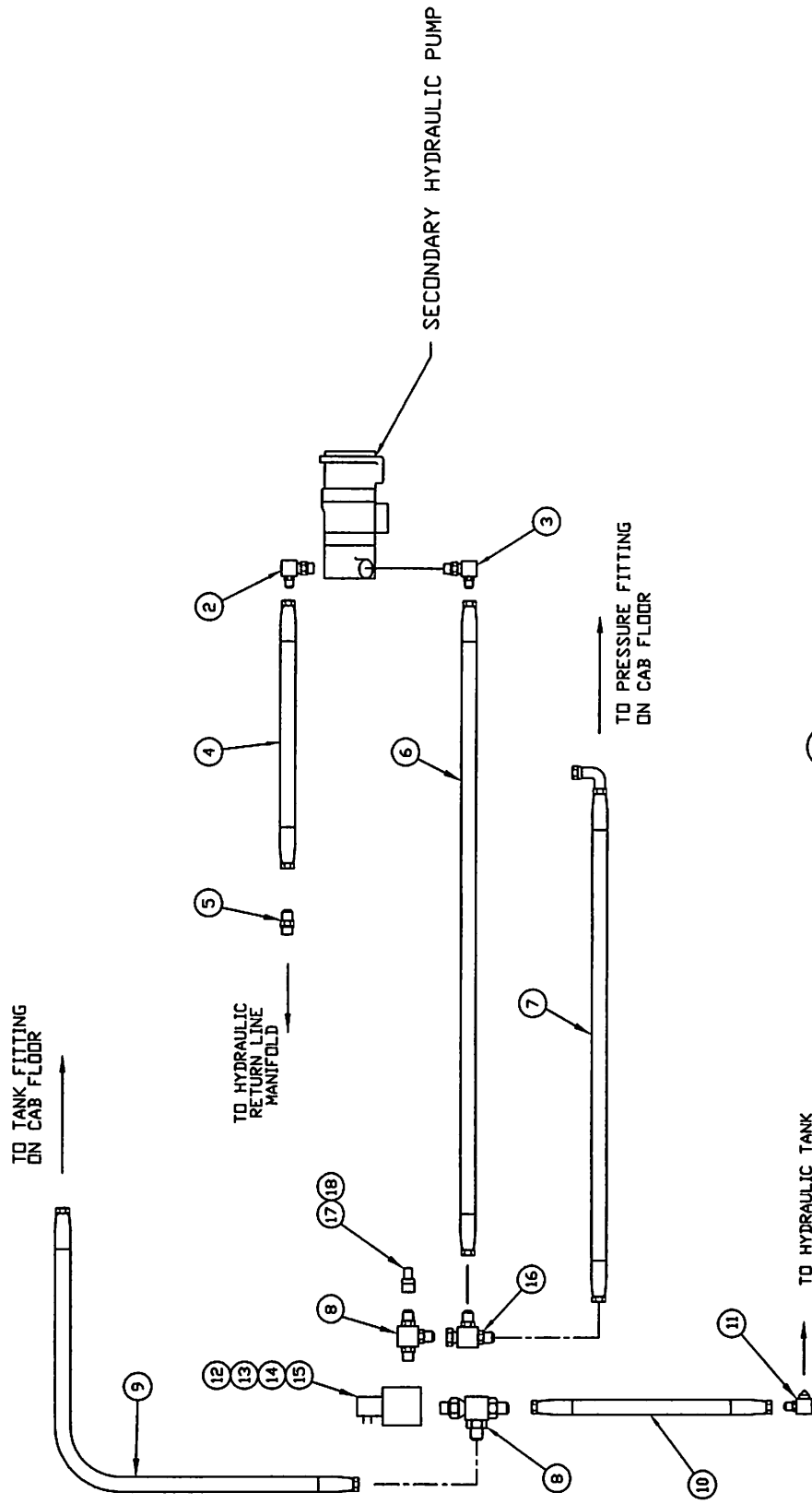
| ASSEMBLY<br>NUMBER |                | DESCRIPTION                              |             |
|--------------------|----------------|------------------------------------------|-------------|
| 1806900            |                | SEC. HYD. VALVE LINES & FITTINGS (P&R)   |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
| 2                  | 1800823        | 3/4" SPLIT FLANGE CLAMP HALF             | 2           |
| 3                  | 1800867        | 12 POINT FLANGED SCREW 3/8-16 X 1 1/4 LG | 4           |
| 4                  | 1800817        | 3/4" O-RING FOR SPLIT FLANGE HEAD        | 1           |
| 5                  | 1801340        | HOSE ASSEMBLY 2781-12                    | 1           |
| 6                  | 1802928        | HOSE ASSEMBLY 1503-12                    | 1           |
| 7                  | 1800770        | STRAIGHT MALE 3/4 O-RING TO 3/4 TUBE     | 1           |
| 8                  | 1800799        | 90 DEG MALE ELBOW 5/8 O-RING TO 3/4 TUBE | 1           |
| 9                  | 1800768        | STRAIGHT MALE 5/8 O-RING TO 3/4 TUBE     | 1           |
| 10                 | 1800861        | 3/4 TUBE RUN TEE M-F SWIVEL-M            | 1           |
| 11                 | 1802380        | STRAIGHT TUBE ADAPTER 1/2-M TO 3/4-F     | 1           |
| 12                 | 1800264        | TEST PORT - 3/4"-16                      | 1           |
| 13                 | 1800876        | DUST CAP                                 | 1           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

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# 1 INSTALLATION

|                                                                                                                                                                                                                                                                                                             |                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <p>TECHNICALS</p> <p>UNLESS OTHERWISE SPECIFIED</p> <p>FRACTIONS <math>\pm \frac{1}{16}</math></p> <p>PLACES DECIMALS <math>\pm .01</math></p> <p>1 PLACE DECIMALS <math>\pm .05</math></p> <p>ANGLES</p> <p>BY SWINGMASTER CORPORATION</p> <p>ALL DIMENSIONS ARE IN INCHES</p> <p>DO NOT SCALE DRAWING</p> | <p>SWINGMASTER CORPORATION</p> <p>11415 MELROSE AVENUE</p> <p>FRANKLIN PARK, ILLINOIS 60151</p> |
|                                                                                                                                                                                                                                                                                                             | <p>SECONDARY PUMP PRESSURE &amp; RETURN</p> <p>LINE &amp; FITTINGS - H.R.C. LOWER</p>           |
|                                                                                                                                                                                                                                                                                                             | <p>MODEL 1817CHD</p>                                                                            |
|                                                                                                                                                                                                                                                                                                             | <p>DRAWN BY: JLC</p> <p>DATE: 12-8-88</p>                                                       |

D1-800

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

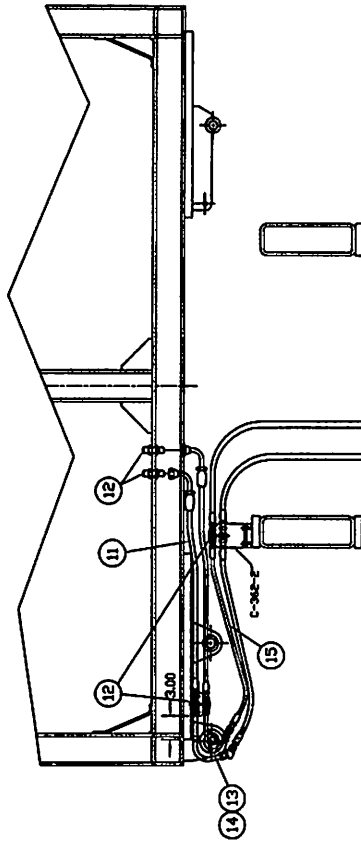
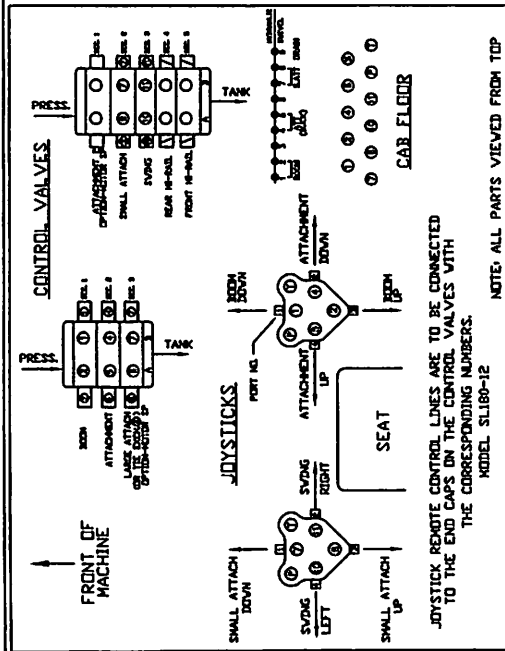
| ASSEMBLY<br>NUMBER |                | DESCRIPTION                              |             |
|--------------------|----------------|------------------------------------------|-------------|
| 1806876            |                | SECONDARY PUMP PRESSURE & RETURN L&F.    |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
| 002                | 1800796        | 90 DEG MALE ELBOW 1/2 O-RING TO 1/2 TUBE | 1           |
| 003                | 1802437        | 90 DEG. MALE ELBOW 1/2 O-RING TO 3/8 TBE | 1           |
| 004                | 1805874        | HOSE ASSEMBLY -1503-8                    | 1           |
| 005                | 1803798        | STRAIGHT MALE 3/4 O-RING TO 1/2 TUBE     | 1           |
| 006                | 1805875        | HOSE ASSEMBLY -1503-6                    | 1           |
| 007                | 1805876        | HOSE ASSEMBLY -1503-6                    | 1           |
| 008                | 1800881        | MALE TEE 3/8 TUBE-3/8 TUBE-3/8 O-RING    | 1           |
| 009                | 1805877        | HOSE ASSEMBLY -1503-6                    | 1           |
| 010                | 1805878        | HOSE ASSEMBLY -1503-6                    | 1           |
| 011                | 1801896        | 90 DEG MALE ELBOW 3/4 PIPE TO 3/8 TUBE   | 1           |
| 012                | 1800267        | SOLENOID CARTRIDGE VALVE - PILOT PRESS.  | 1           |
| 013                | 1802530        | TAPPED STEEL BAR                         | 1           |
| 014                | 1800439        | H.H.C.S. 1/4-20 X 1 1/2" LONG            | 2           |
| 015                | 1800567        | 1/4" LOCK WASHER                         | 2           |
| 016                | 1800858        | 3/8 TUBE RUN TEE M-F SWIVEL-M            | 1           |
| 017                | 1801668        | 3/8" MALE QUICK DISCONNECT               | 1           |
| 018                | 1800876        | DUST CAP                                 | 1           |

SWINGMASTER CORPORATION

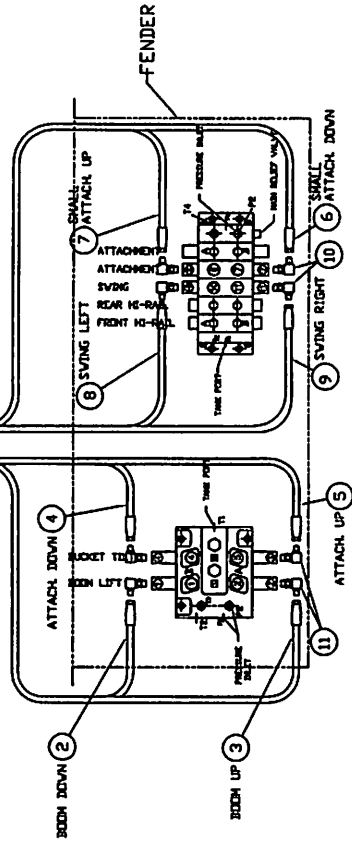
11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



# 1 INSTALLATION



|                                                                                                                                                          |                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SWINGMASTER CORPORATION</b><br>14115 WILSON AVENUE<br>FRANKLIN PARK, ILLINOIS 60131<br>H.R.C. LINES & FITTINGS - LOWER                                |                                                                                                                                                                                                          |
| MODEL SL180-12<br>DRAWN BY J.C.<br>DATE 12-29-58                                                                                                         | SEE DIMENSIONAL SPECIFICATION<br>DIMENSIONS ARE IN INCHES<br>UNLESS OTHERWISE SPECIFIED<br>3 PLACE DECIMALS $\frac{1}{16}$<br>2 PLACE DECIMALS $\frac{1}{8}$<br>1 PLACE DECIMALS $\frac{1}{4}$<br>ANGLES |
| TOLERANCES<br>FINISHES UNLESS SPECIFIED<br>3 PLACE DECIMALS $\frac{1}{16}$<br>2 PLACE DECIMALS $\frac{1}{8}$<br>1 PLACE DECIMALS $\frac{1}{4}$<br>ANGLES | D1-799                                                                                                                                                                                                   |

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY  
NUMBER

DESCRIPTION

1806878 HRC. LINES & FITTINGS - LOWER

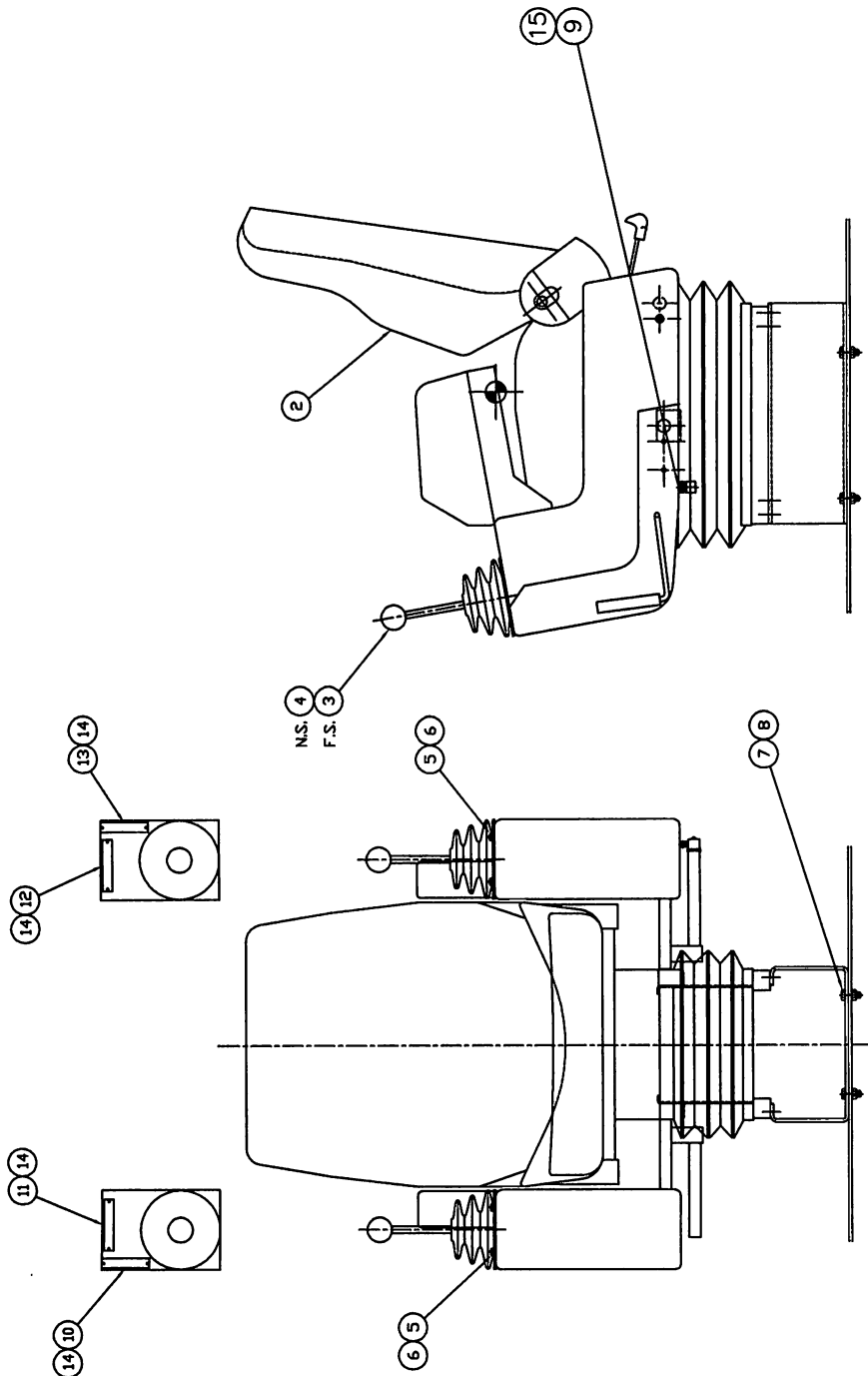
| ITEM<br>NO. | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
|-------------|----------------|------------------------------------------|-------------|
| 002         | 1803790        | HOSE ASSEMBLY 1503-6                     | 1           |
| 003         | 1802416        | HOSE ASSEMBLY 1503-6                     | 1           |
| 004         | 1802416        | HOSE ASSEMBLY 1503-6                     | 1           |
| 005         | 1802547        | HOSE ASSEMBLY 1503-6                     | 1           |
| 006         | 1805851        | HOSE ASSEMBLY 1503-6                     | 1           |
| 007         | 1801348        | HOSE ASSEMBLY 1503-6                     | 1           |
| 008         | 1805853        | HOSE ASSEMBLY 1503-6                     | 5           |
| 009         | 1805854        | HOSE ASSEMBLY 1503-6                     | 2           |
| 010         | 1800794        | 90 DEG MALE ELBOW 3/8 O-RING TO 3/8 TUBE | 2           |
| 011         | 1805856        | HOSE ASSEMBLY 1503-6                     | 15          |
| 012         | 1801033        | 3/8 TUBE STRAIGHT BULKHEAD UNION         | 4           |
| 013         | 1805857        | TUBE ASSEMBLY -6                         | 9           |
| 014         | 1804103        | TUBE UNION - 3/8                         | 2           |
| 015         | 1805855        | HOSE ASSEMBLY 1503-6                     | 11          |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



① REWORK

|                                                                                       |                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SWINGMASTER CORPORATION</b><br>700 INDUSTRIAL DRIVE<br>ELIZABETH, NEW JERSEY 07208 | <b>TOLERANCES</b><br>UNLESS OTHERWISE SPECIFIED<br>FRACTIONS $\pm .01$<br>DECIMALS $\pm .005$<br>2 PLACE DECIMALS $\pm .01$<br>1 PLACE DECIMALS $\pm .02$<br>ANGLES $\pm .1^\circ$ |
| <b>SEAT INSTALLATION</b><br>FOR MODEL 181TC & SL180                                   | <b>SIZE</b><br>UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>DO NOT SCALE DRAWING                                                                                      |
| DRAWN BY: J.K.<br>DATE: 9-15-14                                                       | DRAWING NO.<br><b>D1-73</b>                                                                                                                                                        |



MACHINE

SECTION

39

MODEL SL180-13 SWINGLOADER

OPERATOR COMFORT/CONVEN

ASSEMBLY  
NUMBER

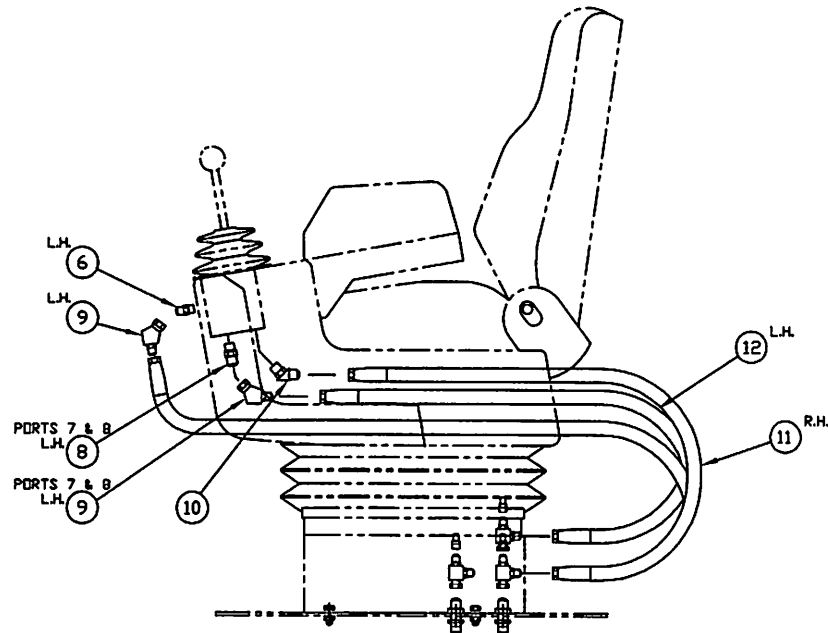
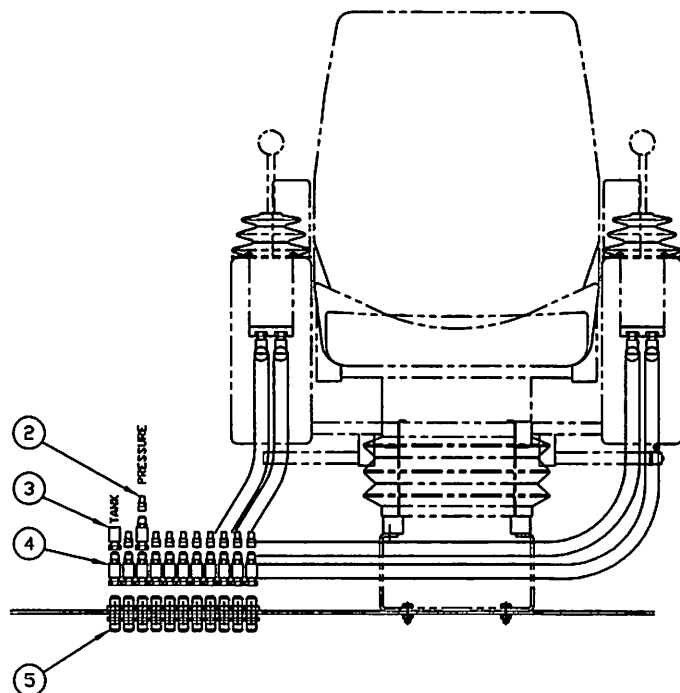
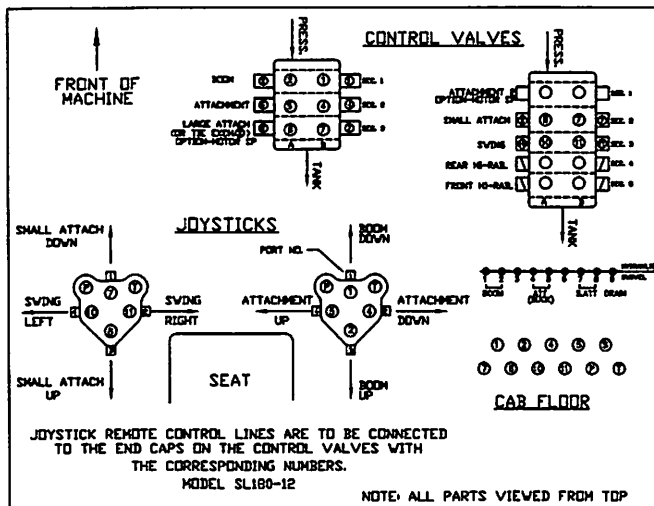
DESCRIPTION

1807045 SEAT INSTALLATION

| ITEM<br>NO. | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
|-------------|----------------|------------------------------------------|-------------|
| 2           | 1806865        | SEAT ASS'Y                               | 1           |
| 3           | 1800111        | JOYSTICK - BOOM UP-DOWN/BUCKET DUMP-LOAD | 1           |
| 4           | 1800112        | JOYSTICK - SWING L-R / ATTACHMENT        | 1           |
| 5           | 1800430        | H.H.C.S. 1/4-20 X 1/2" LONG              | 8           |
| 6           | 1800567        | 1/4" LOCK WASHER                         | 8           |
| 7           | 1800454        | H.H.C.S. 3/8-16 X 1 1/4" LONG            | 4           |
| 8           | 1800514        | HEX NUT 3/8-16                           | 4           |
| 9           | 1803535        | SEAT SWITCH                              | 1           |
| 10          | 1801301        | DECAL (BOOM UP - DOWN)                   | 1           |
| 11          | 1801302        | DECAL (BOOM DUMP - LOAD)                 | 1           |
| 12          | 1801298        | DECAL (SWING L-R)                        | 1           |
| 13          | 1801299        | DECAL (ATTACHMENT)                       | 1           |
| 14          | 1800845        | 1/8" POP RIVET                           | 8           |
| 15          | 1803536        | SEAT SWITCH MOUNTING BRACKET             | 1           |

SWINGMASTER CORPORATION  
11415 MELROSE AVENUE  
FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224



# 1 INSTALLATION

| TOLERANCES                                                     |
|----------------------------------------------------------------|
| UNLESS OTHERWISE SPECIFIED                                     |
| FRACTIONS $\pm$                                                |
| 3 PLACE DECIMALS $\pm$                                         |
| 2 PLACE DECIMALS $\pm$                                         |
| 1 PLACE DECIMALS $\pm$                                         |
| ANGLES                                                         |
| SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED |
| DIMENSIONS ARE IN INCHES                                       |
| DO NOT SCALE DRAWING                                           |
| SCALE:                                                         |

## SWINGMASTER CORPORATION

11415 MELROSE AVENUE  
FRANKLIN PARK, ILLINOIS 60131

HYDRAULIC REMOTE CONTROLS

LINES & FITTINGS INSTALLATION

MODEL 181TCHD

DRAWN BY: J.K.

DRAWING NO.

DATE: 12-29-08

C1-369

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER .

HYDRAULIC SYSTEM

| ASSEMBLY<br>NUMBER |                | DESCRIPTION                              |             |
|--------------------|----------------|------------------------------------------|-------------|
| 1806879            |                | HRC. LINES & FITTINGS - UPPER            |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
| 002                | 1801668        | 3/8" MALE QUICK DISCONNECT               | 10          |
| 003                | 1800852        | 90 DEG TUBE ELBOW 3/8 M TO 3/8 F SWIVEL  | 1           |
| 004                | 1800858        | 3/8 TUBE RUN TEE M-F SWIVEL-M            | 12          |
| 005                | 1801033        | 3/8 TUBE STRAIGHT BULKHEAD UNION         | 11          |
| 006                | 1802383        | STRAIGHT MALE 3/16 O-RING TO 3/8 TUBE    | 1           |
| 007                | 1803584        | NAME PLATE - JOYSTICK PRESSURES          | 1           |
| 008                | 1805864        | REWORKED O-RING UNION -6-6               | 2           |
| 009                | 1803615        | 45 DEG TUBE ELBOW 3/8 M TO 3/8 F SWIVEL  | 3           |
| 010                | 1803556        | 45 DEG MALE ELBOW 3/8 TUBE TO 3/8 O-RING | 10          |
| 011                | 1801786        | HOSE ASSEMBLY 1503-6                     | 6           |
| 012                | 1803772        | HOSE ASSEMBLY 1503-6                     | 7           |

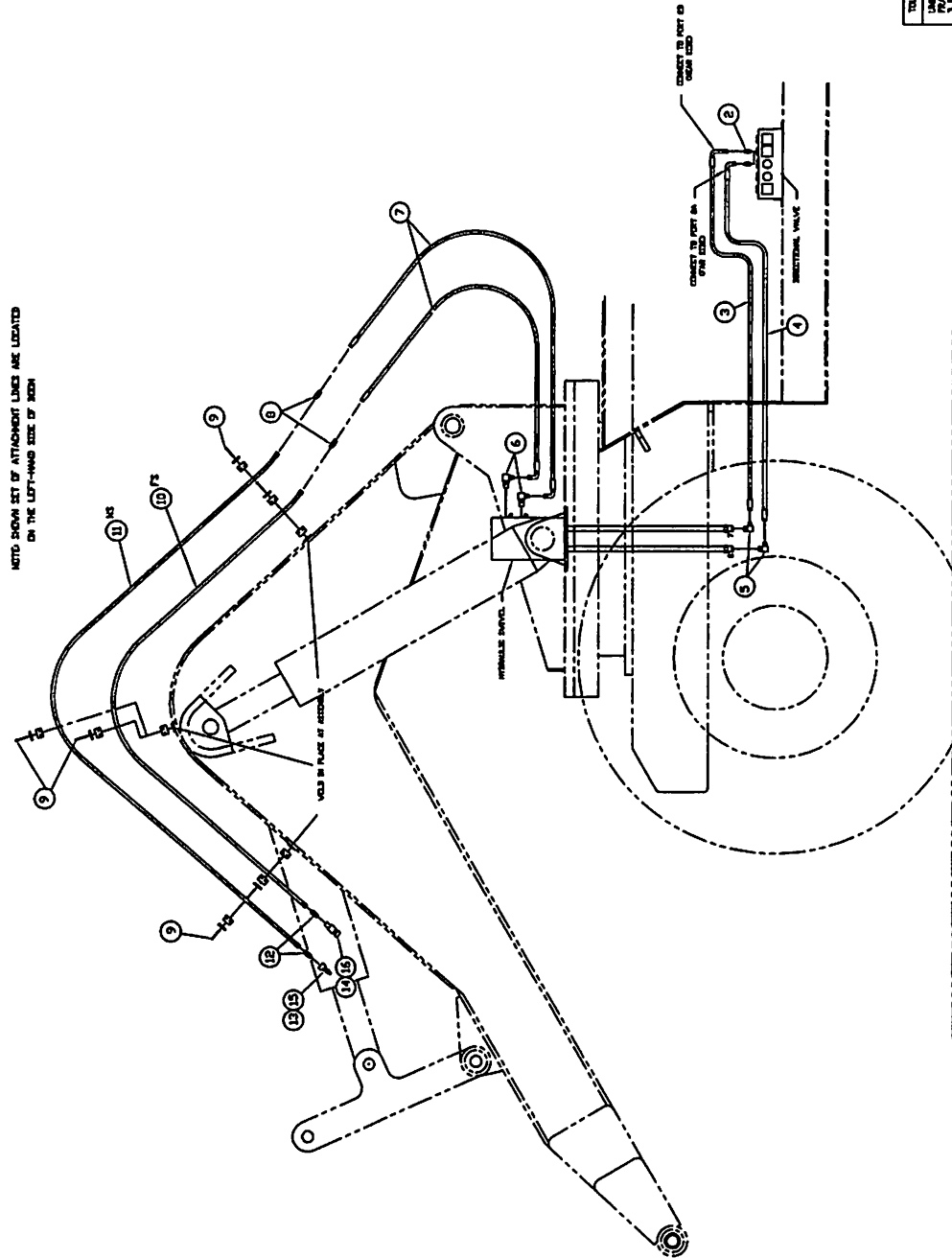
SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TEL: (847) 451-1224

NOTES SHOW SET OF ATTACHMENT LINES ARE LOCATED  
ON THE LEFT-HAND SIDE OF BODY



① ASSY.

|                                                                                                                                                        |  |                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|
| <b>TOLERANCES</b><br>DIMENSIONS UNLESS SPECIFIED<br>3 PLACE DECIMALS $\pm .005$<br>2 PLACE DECIMALS $\pm .010$<br>1 PLACE DECIMAL $\pm .030$<br>ANGLES |  | <b>SWINGMASTER CORPORATION</b><br>11403 MEADOW ARCADE<br>FRANKLIN PARK, ILLINOIS 60131 |
| <b>SIZE</b><br>DIMENSIONS SPECIFICATION<br>DIMENSIONS ARE IN INCHES<br>DIMENSIONAL SCALE DRAWING<br>DIMENSIONAL SCALE: NONE                            |  | <b>SMALL ATTACHMENT HYDRAULIC LINES &amp; FITTINGS - SET ONE</b>                       |
| <b>MODEL 101</b><br>DRAWN BY: S.V.<br>DATE: 12-14-87                                                                                                   |  | <b>D-135</b>                                                                           |

MACHINE

SECTION

1

MODEL SL180-13 SWINGLOADER

HYDRAULIC SYSTEM

| ASSEMBLY<br>NUMBER |                | DESCRIPTION                              |             |
|--------------------|----------------|------------------------------------------|-------------|
| 1801817            |                | SMALL ATTACH. LINES & FITTINGS - SET ONE |             |
| ITEM<br>NO.        | PART<br>NUMBER | DESCRIPTION                              | QTY<br>USED |
| 2                  | 1800766        | STRAIGHT MALE 1/2 O-RING TO 5/8 TUBE     | 2           |
| 3                  | 1801822        | HOSE ASSEMBLY 2781-10                    | 1           |
| 4                  | 1801821        | HOSE ASSEMBLY 2781-10                    | 1           |
| 5                  | 1800854        | 90 DEG TUBE ELBOW 5/8 M TO 5/8 F SWIVEL  | 2           |
| 6                  | 1800797        | 90 DEG MALE ELBOW 1/2 O-RING TO 5/8 TUBE | 2           |
| 7                  | 1801823        | HOSE ASSEMBLY 2781-10                    | 2           |
| 8                  | 1801072        | 5/8 TUBE STRAIGHT MALE UNION             | 2           |
| 9                  | 1800229        | HOSE CLAMP - 5/8"                        | 6           |
| 10                 | 1801818        | STEEL TUBE ASSEMBLY                      | 1           |
| 11                 | 1801819        | STEEL TUBE ASSEMBLY                      | 1           |
| 12                 | 1801596        | STRAIGHT MALE 3/4 PIPE TO 5/8 TUBE       | 2           |
| 13                 | 1801593        | FEMALE QUICK DISCONNECT - 12             | 1           |
| 14                 | 1801592        | MALE QUICK DISCONNECT - 12               | 1           |
| 15                 | 1801595        | DUST CAP - 12                            | 1           |
| 16                 | 1801594        | DUST PLUG - 12                           | 1           |

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

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