



# MODEL 813XT

## HYDRAULIC SCHEMATICS



Salsco, Inc.

105 School House Road

Cheshire, CT 06410

800-872-5726, 203-271-1682

203-271-2596 (Fax)

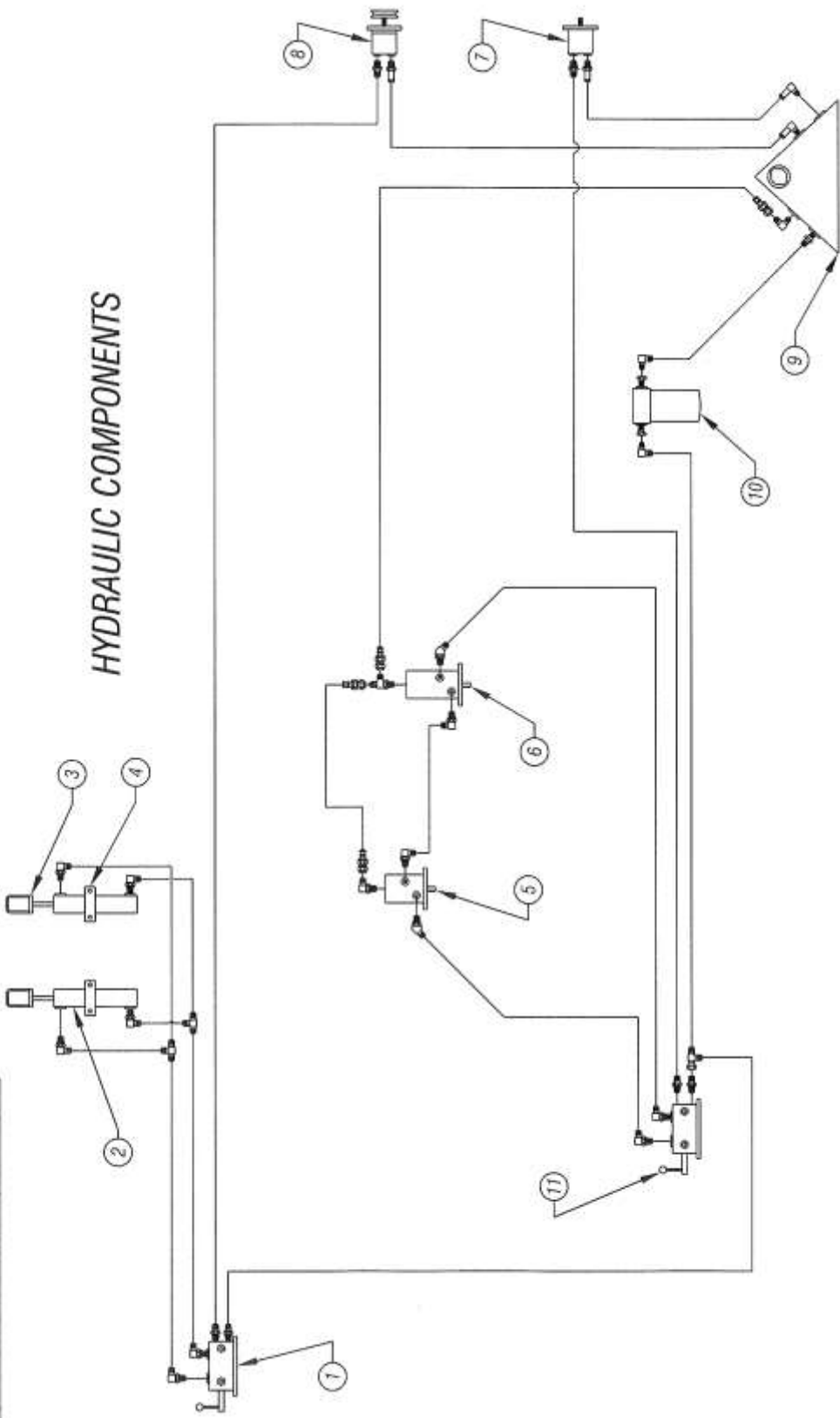
[sales@salsco.com](mailto:sales@salsco.com)

[www.salsco.com](http://www.salsco.com)

| ITEM | PART DESCRIPTION            | PART #  | QTY |
|------|-----------------------------|---------|-----|
| 1    | VALVE, DIRECTIONAL-LIFT CYL | 0330133 | 1   |
| 2    | HYDRAULIC CYLINDER          | 0330046 | 2   |
| 3    | PLATE, YOKE CYL DOWN/FORCE  | 0262188 | 2   |
| 4    | MOUNT, CYL CLAMP            | 0276139 | 2   |
| 5    | MOTOR, UPPER FEED ROLL      | 0330144 | 1   |
| 6    | MOTOR, LOWER FEED ROLL      | 0330129 | 1   |

| ITEM | PART DESCRIPTION           | PART #  | QTY |
|------|----------------------------|---------|-----|
| 7    | PUMP, LIVE HYD             | 0320088 | 1   |
| 8    | PUMP, AUX HYD              | 0330152 | 1   |
| 9    | HYD OIL TANK               | 0252025 | 1   |
| 10   | OIL FILTER, HOUSING        | 0318021 | 1   |
| 11   | VALVE, DIRECTIONAL-FD ROLL | 0330132 | 1   |

ISSUED: 03-02-2009



# HYDRAULIC COMPONENTS

813XT CHIPPER - DWG #22A - HYDRAULIC HOOK-UP

CATERPILLAR ENGINE WITH HYD. LIFT

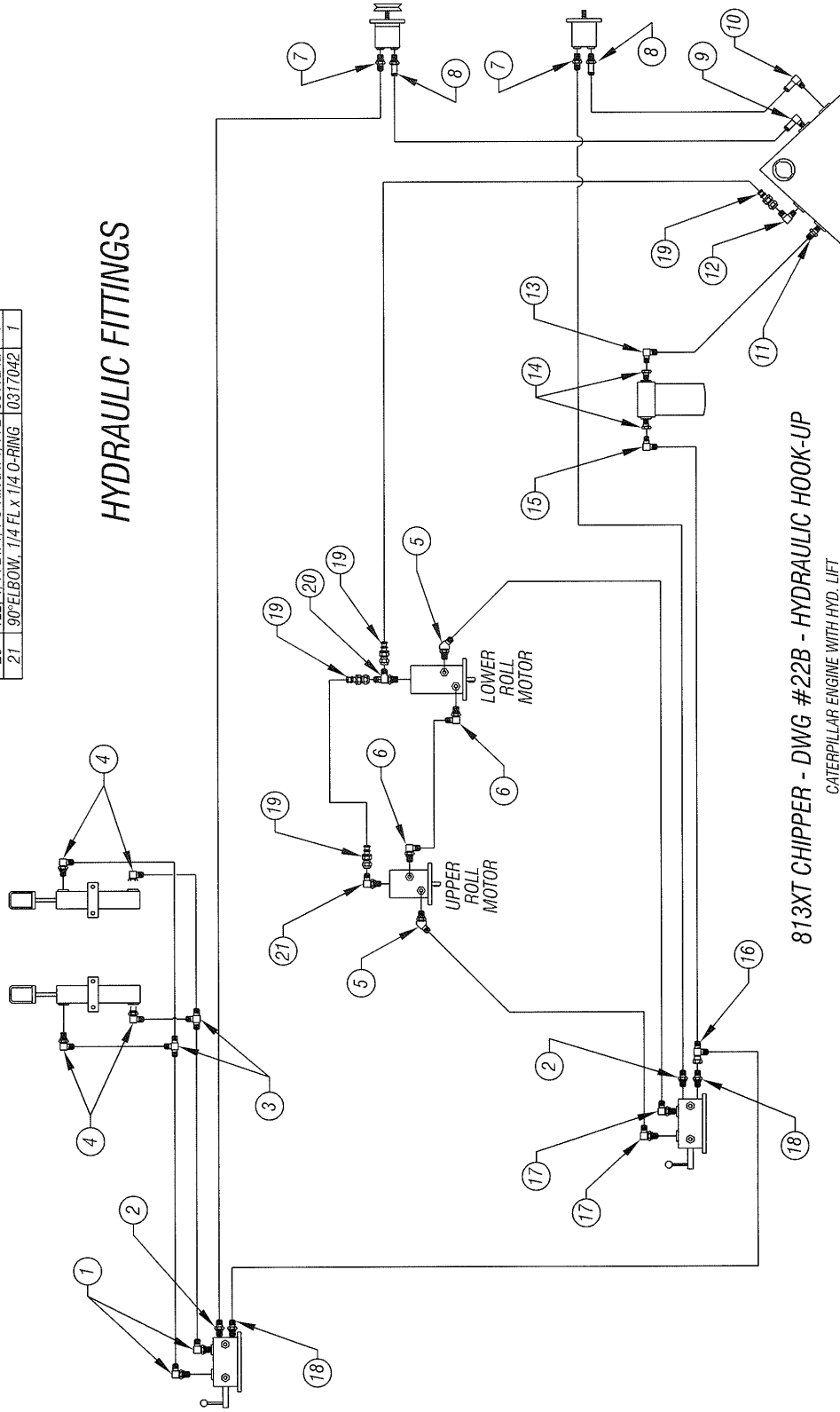
ISSUED: 05-15-2008

| ITEM | PART DESCRIPTION                  | PART#   | QTY |
|------|-----------------------------------|---------|-----|
| 13   | 90° ELBOW, 3/4 FL x 3/4 MPT       | 0317183 | 1   |
| 14   | BUSHING, 1 1/4 MPT x 3/4 FPT      | 0317204 | 2   |
| 15   | 90° ELBOW, 5/8 FL x 3/4 MPT       | 0317061 | 1   |
| 16   | SWIVEL TEE RUN, 5/8 x 5/8 x 3/8   | 0317238 | 1   |
| 17   | 90° ELBOW, 1/2 FL x 3/8 O-RING    | 0317064 | 2   |
| 18   | CONNECTOR, 5/8FL x 1/2 O-RING     | 0317286 | 2   |
| 19   | HOSE END FLAREX FEML SWIVEL       | 0317243 | 4   |
| 20   | TEE, 1/4 FL x 1/4 O-RING x 1/4 FL | 0317242 | 1   |
| 21   | 90° ELBOW, 1/4 FL x 1/4 O-RING    | 0317042 | 1   |

| ITEM | PART DESCRIPTION                  | PART#   | QTY |
|------|-----------------------------------|---------|-----|
| 7    | CONNECTOR, 1/2 FL x 5/8 O-RING    | 0317027 | 2   |
| 8    | ADAPTER SRT, 1" TUBE x 3/4 O-RING | 0317129 | 2   |
| 9    | 90° ADAPTER, 1" TUBE x 1" MPT     | 0317081 | 1   |
| 10   | 90° ADAPTER, 1" TUBE x 3/4 MPT    | 0317168 | 1   |
| 11   | CONNECTOR, 3/4 FL x 3/4 MPT       | 0317203 | 1   |
| 12   | 90° ELBOW, 1/4 FLARE x 1/4 MPT    | 0317039 | 1   |

| ITEM | PART DESCRIPTION                 | PART#   | QTY |
|------|----------------------------------|---------|-----|
| 1    | 90° ELBOW, 3/8 FL x 3/8 O-RING   | 0317029 | 2   |
| 2    | CONNECTOR, 1/2 FL x 3/8 O-RING   | 0317030 | 2   |
| 3    | TEE, 3/8 FLARE x 3/8 FL x 3/8 FL | 0317119 | 2   |
| 4    | 90° ELBOW, 3/8 FLARE x 1/4 MPT   | 0317046 | 4   |
| 5    | 45° ELBOW, 1/2 FL x 5/8 O-RING   | 0317247 | 2   |
| 6    | 90° ELBOW, 1/2 FL x 5/8 O-RING   | 0317008 | 2   |

## HYDRAULIC FITTINGS

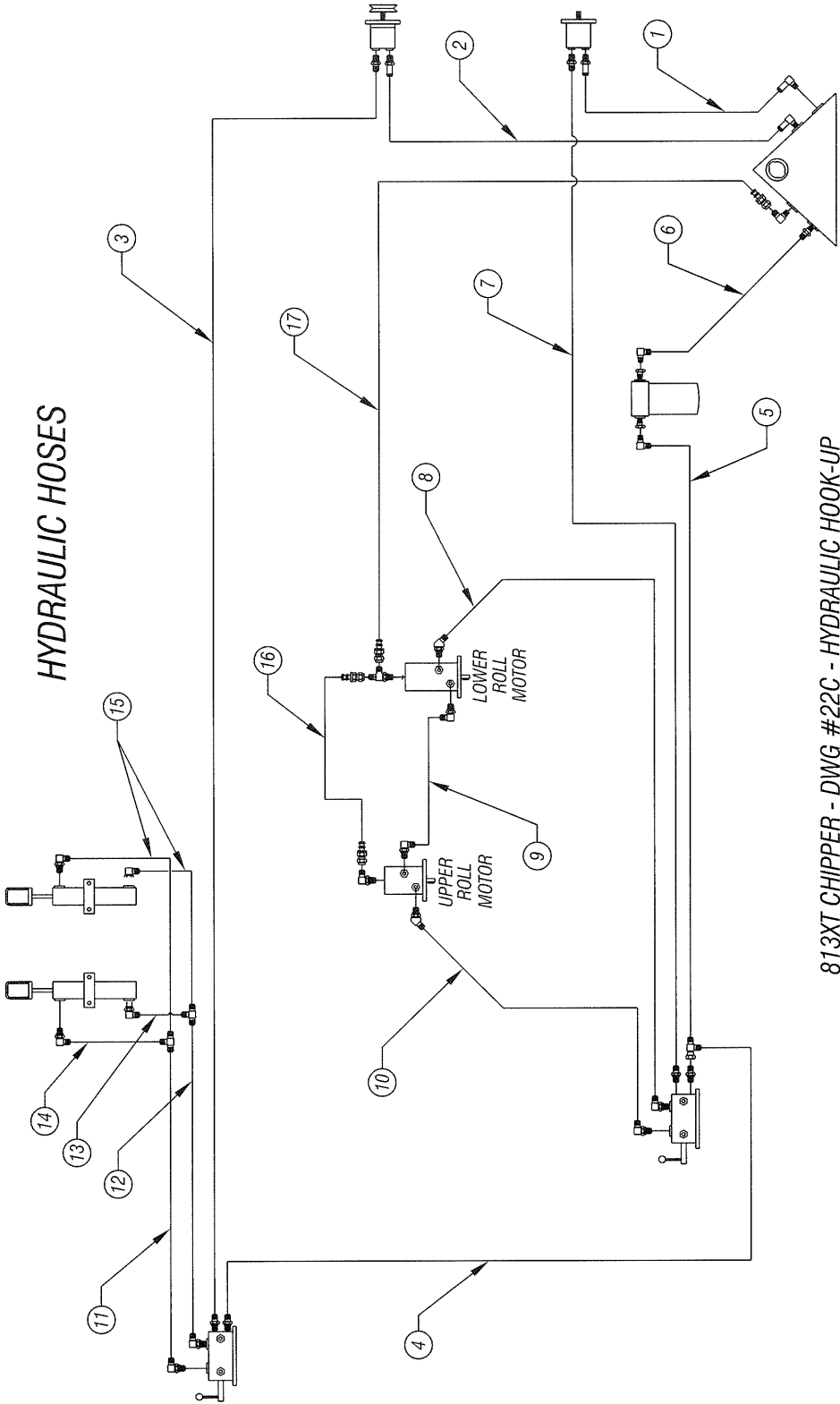


813XT CHIPPER - DWG #22B - HYDRAULIC HOOK-UP

CATERPILLAR ENGINE WITH HYD. LIFT

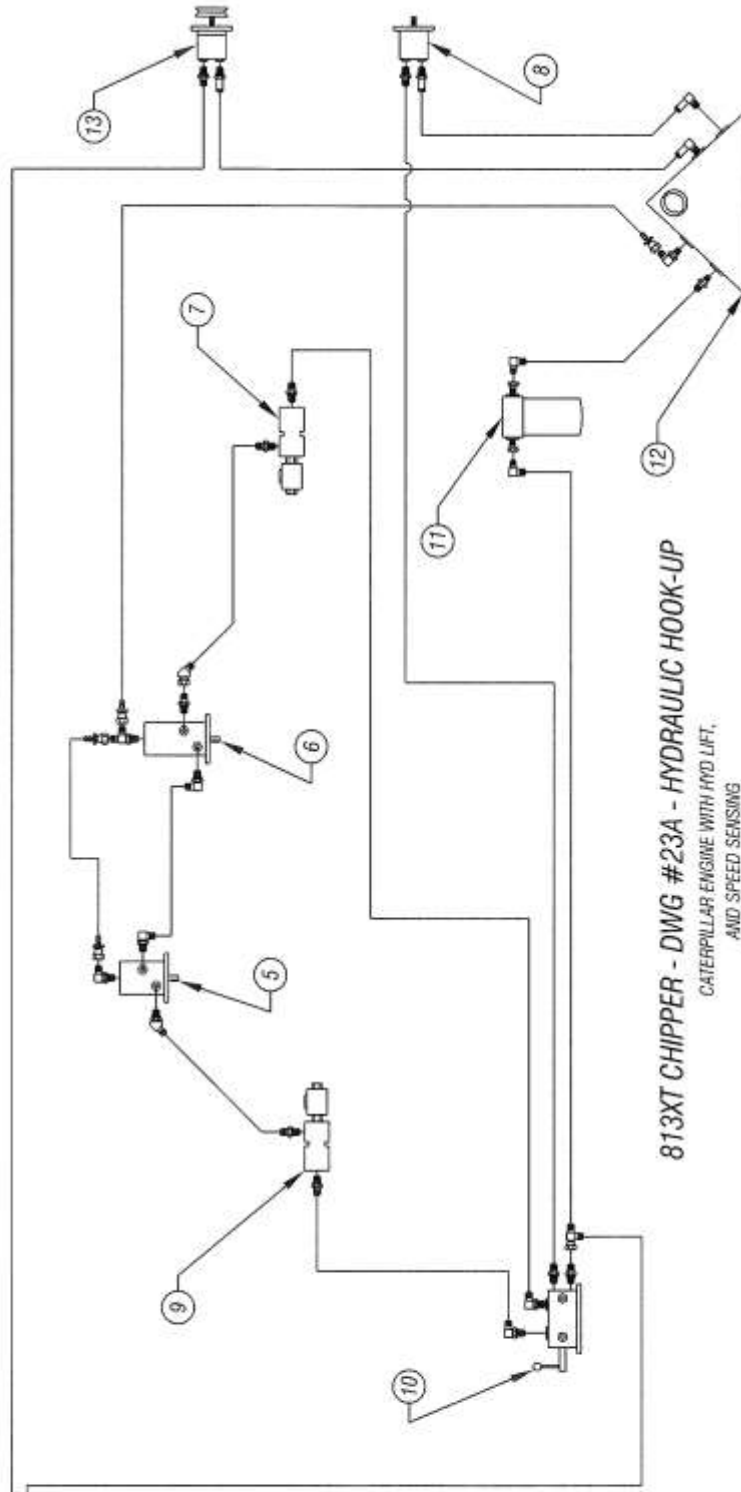
| ITEM | PART DESCRIPTION                  | PART#   | QTY | ITEM | PART DESCRIPTION                | PART#   | QTY | ITEM | PART DESCRIPTION                | PART#   | QTY |
|------|-----------------------------------|---------|-----|------|---------------------------------|---------|-----|------|---------------------------------|---------|-----|
| 1    | TANK TO AUX. PUMP, 1"ID x 10' FIT | BULK    | 1   | 7    | AUX. PUMP TO R. VAL, 1/2IDx85   | 0327251 | 1   | 13   | L. CYL TO T-FITTING, 3/8 IDx34" | 0327101 | 1   |
| 2    | TANK TO LIVE PUMP, 1"ID x 10' FIT | BULK    | 1   | 8    | R. VALVE TO MOTOR, 1/2 IDx23    | 0327039 | 1   | 14   | L. CYL TO T-FITTING, 3/8 IDx45" | 0327255 | 1   |
| 3    | L. PUMP TO L. VALVE, 1/2 IDx150"  | 0327118 | 1   | 9    | MOTOR TO MOTOR, 1/2 IDx51"      | 0327250 | 1   | 15   | L. CYL TO T-FITTING, 3/8 IDx77" | 0327103 | 2   |
| 4    | R. VALVE TO LIFT VAL, 5/8 IDx65"  | 0327407 | 1   | 10   | MOTOR TO R. VALVE, 1/2 IDx58    | 0327238 | 1   | 16   | U.R.M. TO L.R.M. 1/4 ID x 51"   | 0427363 | 1   |
| 5    | R. VALVE TO FILTER, 5/8 ID x 22"  | 0327372 | 1   | 11   | L. VAL TO T-FITTING, 3/8 IDx28" | 0327074 | 1   | 17   | L.R.M. TO TANK, 1/4 ID x 30"    | 0427401 | 1   |
| 6    | FILTER TO TANK, 3/4 ID x 20"      | 0327264 | 1   | 12   | L. VAL TO T-FITG, 3/8 IDx34x90° | 0327102 | 1   |      |                                 |         |     |

ISSUED: 05-15-2008



813XT CHIPPER - DWG #22C - HYDRAULIC HOSE-UP

CATERPILLAR ENGINE WITH HYD. LIFT

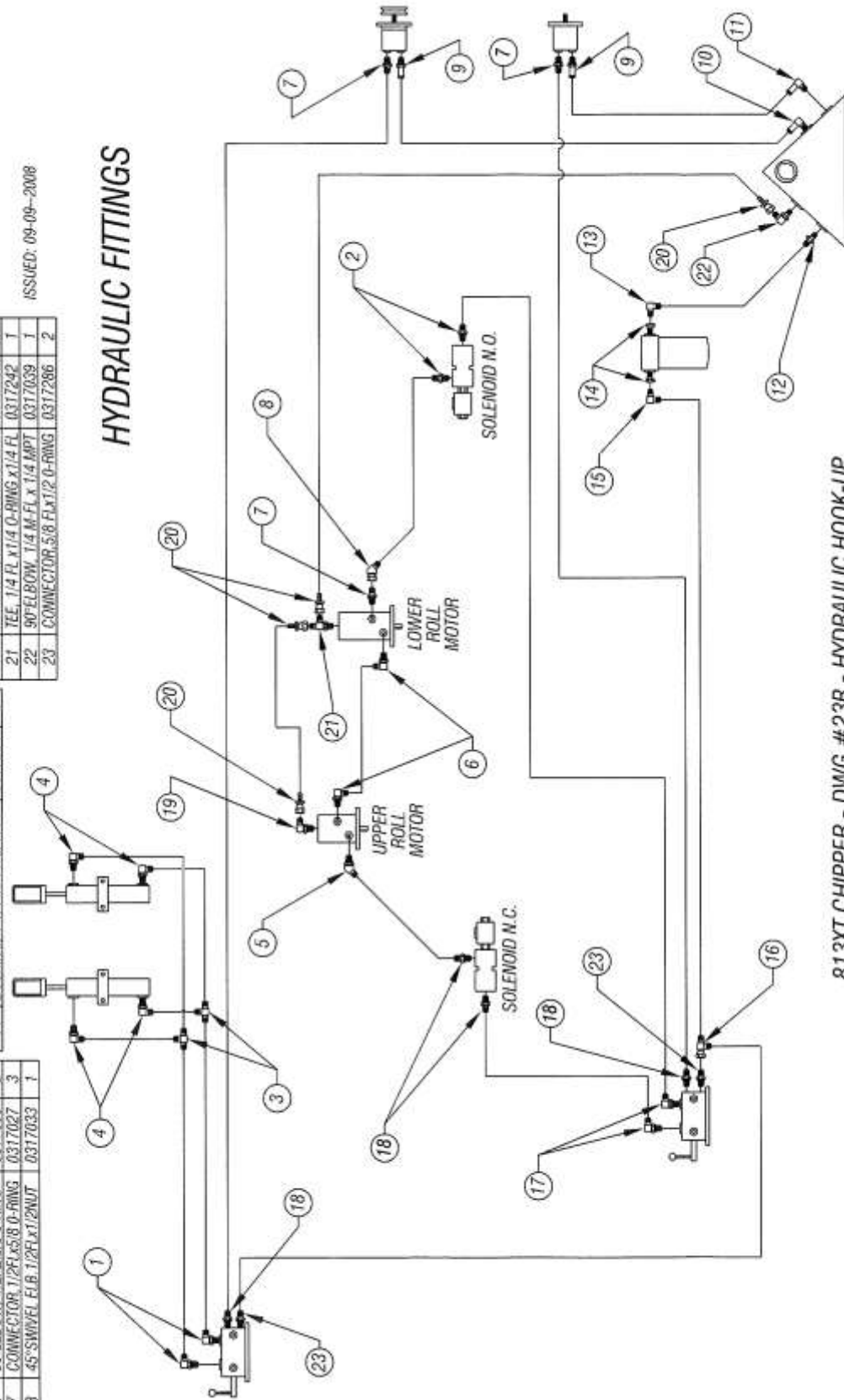


813XT CHIPPER - DWG #23A - HYDRAULIC HOOK-UP  
CATERPILLAR ENGINE WITH HYD LIFT,  
AND SPEED SENSING

| ITEM | PART DESCRIPTION                | PART#   | QTY | ITEM | PART DESCRIPTION               | PART#   | QTY | ITEM | PART DESCRIPTION                  | PART#   | QTY |
|------|---------------------------------|---------|-----|------|--------------------------------|---------|-----|------|-----------------------------------|---------|-----|
| 1    | 90° ELBOW, 3/8FL x 3/8 O-RING   | 0317029 | 2   | 9    | ADAP STR 1" TUBE x 3/4 O-RING  | 0317129 | 2   | 15   | 90° ELBOW, 5/8 FL x 3/4 MPT       | 0317061 | 1   |
| 2    | CONNECTOR, 1/2FL x 3/8 O-RING   | 0317066 | 2   | 10   | 90° ADAPTER, 1" TUBE x 1" MPT  | 0317081 | 1   | 16   | SWIVEL TEE RUN, 5/8 x 5/8 x 5/8   | 0317238 | 1   |
| 3    | TEE, 3/8FL x 3/8FL x 3/8FL      | 0317119 | 2   | 11   | 90° ADAPTER, 1" TUBE x 3/4 MPT | 0317168 | 1   | 17   | 90° ELBOW, 1/2 FL x 3/8 O-RING    | 0317064 | 2   |
| 4    | 90° ELBOW, 3/8FL x 1/4 MPT      | 0317046 | 4   | 12   | CONNECTOR, 3/4 FL x 3/4 MPT    | 0317203 | 1   | 18   | CONNECTOR, 1/2 FL x 1/2 O-RING    | 0317030 | 4   |
| 5    | 45° ELBOW, 1/2FL x 5/8 O-RING   | 0317247 | 1   | 13   | 90° ELBOW, 3/4 FL x 3/4 MPT    | 0317183 | 1   | 19   | 90° ELBOW, 1/4 FL x 1/4 O-RING    | 0317042 | 1   |
| 6    | 90° ELBOW, 1/2FL x 5/8 O-RING   | 0317008 | 2   | 14   | BUSHING, 1 1/4 MPT x 3/4 FPT   | 0317204 | 2   | 20   | HOSE END, FLARE, FEM SWIVEL       | 0317243 | 4   |
| 7    | CONNECTOR, 1/2FL x 5/8 O-RING   | 0317027 | 3   |      |                                |         |     | 21   | TEE, 1/4 FL x 1/4 O-RING x 1/4 FL | 0317242 | 1   |
| 8    | 45° SWIVEL ELB, 1/2FL x 1/2 NUT | 0317033 | 1   |      |                                |         |     | 22   | 90° ELBOW, 1/4 M-FL x 1/4 MPT     | 0317039 | 1   |
|      |                                 |         |     |      |                                |         |     | 23   | CONNECTOR, 5/8 FL x 1/2 O-RING    | 0317286 | 2   |

ISSUED: 09-09-2008

## HYDRAULIC FITTINGS



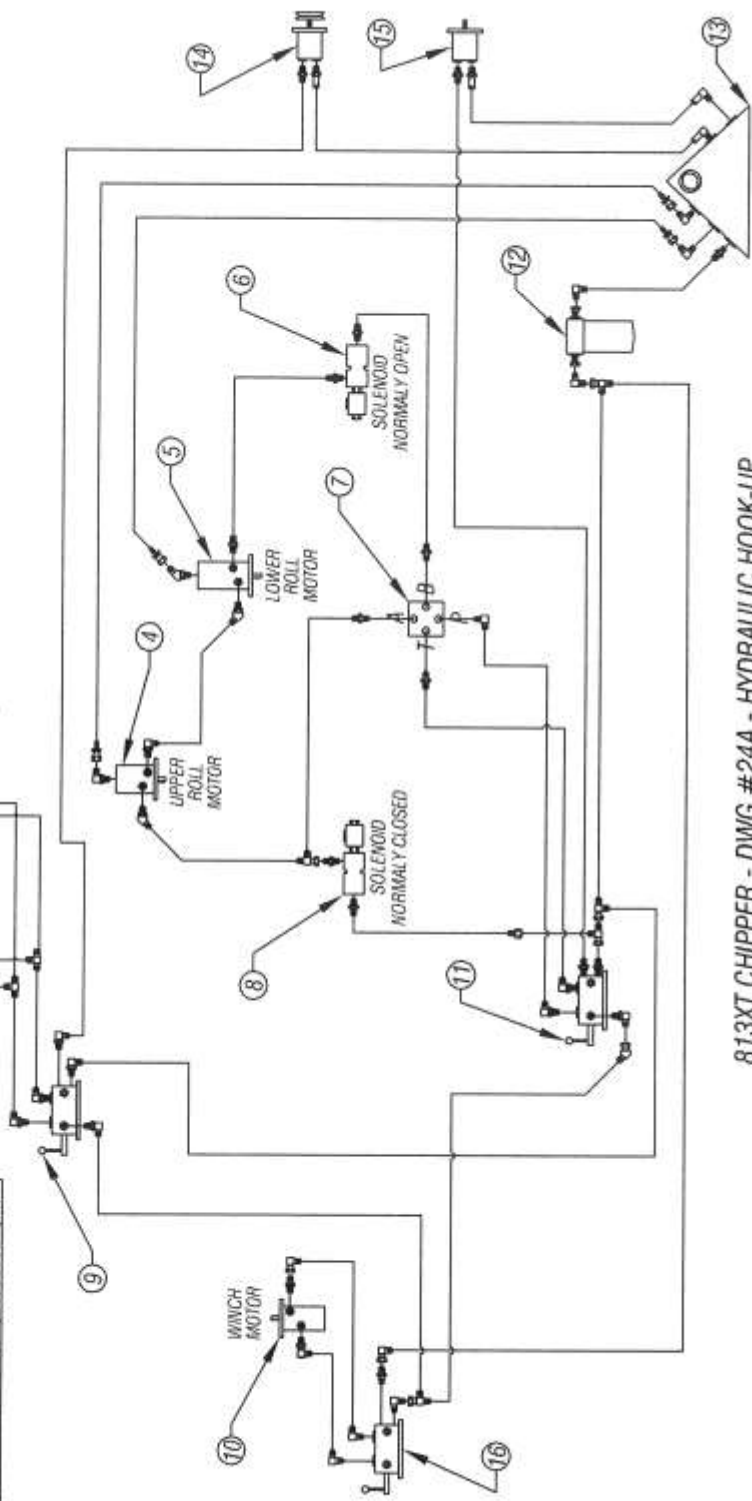
813XT CHIPPER - DWG #23B - HYDRAULIC HOOK-UP

CATERPILLAR ENGINE WITH LIFT,  
AND SPEED SENSING



# HYDRAULIC COMPONENTS

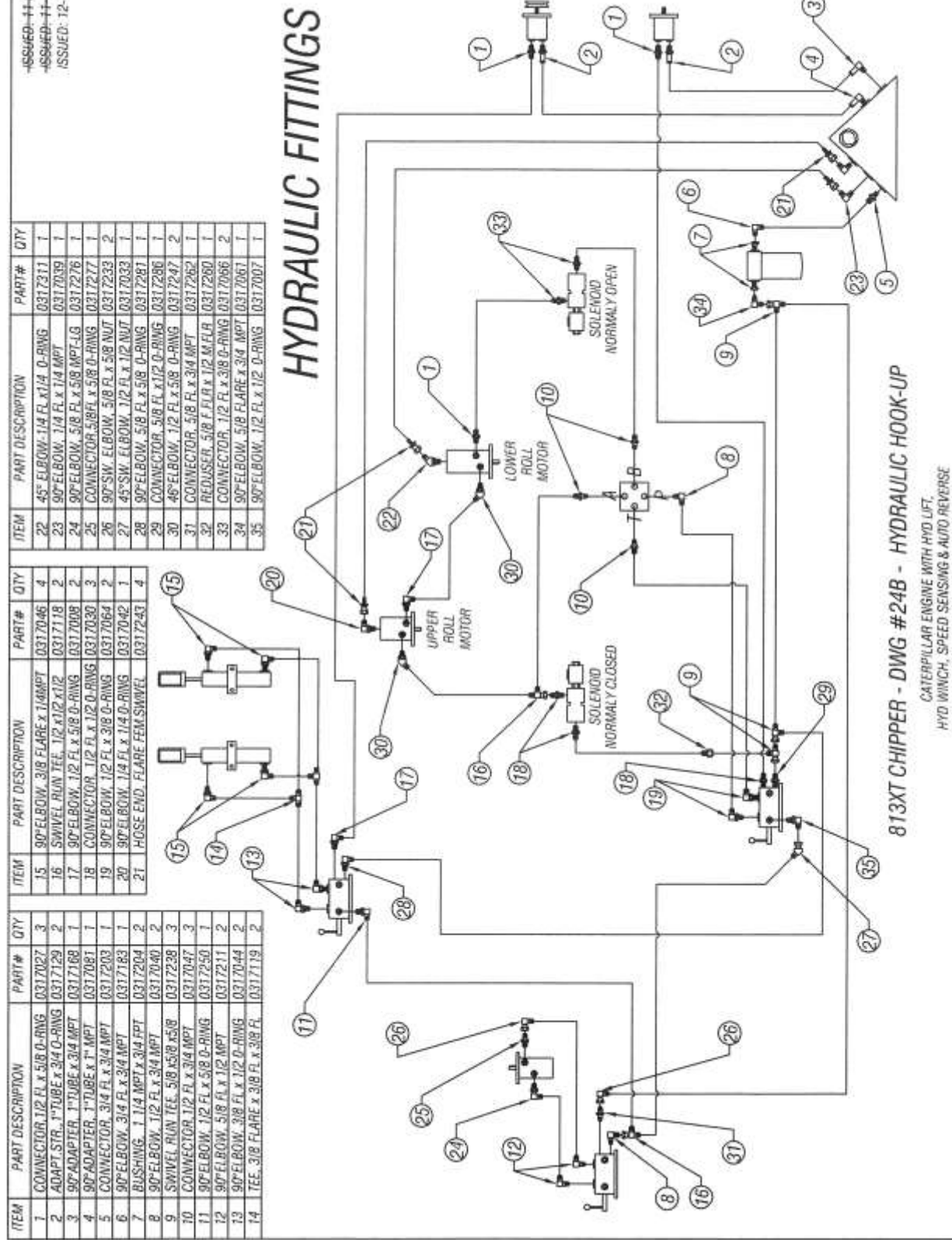
| ITEM | PART DESCRIPTION             | PART #  | QTY |
|------|------------------------------|---------|-----|
| 1    | HYD CYLINDER                 | 0330046 | 2   |
| 2    | PAD, CYL ROD END             | 0439201 | 2   |
| 3    | MOUNT, CYL CLAMP             | 0310062 | 2   |
| 4    | MOTOR, UPPER FEED ROLL       | 0330144 | 1   |
| 5    | MOTOR, LOWER FEED ROLL       | 0330129 | 1   |
| 6    | VALVE, SOLENOID-NORM OPEN    | 0330080 | 1   |
| 7    | VALVE, REVERSING             | 0330121 | 1   |
| 8    | VALVE, SOLENOID-NORM CLOSED  | 0330081 | 1   |
| 9    | VALVE, DIRECTIONAL- LIFT CYL | 0330126 | 1   |
| 10   | MOTOR, WINCH                 | 0330143 | 1   |
| 11   | VALVE, DIRECTIONAL- ROLL     | 0330130 | 1   |
| 12   | OIL FILTER, HOUSING          | 0318021 | 1   |
| 13   | HYD OIL TANK                 | 0252025 | 1   |
| 14   | PUMP, AUX, HYD               | 0330152 | 1   |
| 15   | PUMP, LIFT, HYD              | 0330088 | 1   |
| 16   | VALVE, DIRECTIONAL- WINCH    | 0330103 | 1   |



813XT CHIPPER - DWG #24A - HYDRAULIC HOOK-UP

CATERPILLAR ENGINE WITH - HYD LIFT,  
HYD WINCH, SPEED SENSING & AUTO REVERSE

ISSUED: 11-09-2010  
 ISSUED: 11-10-2011  
 ISSUED: 12-15-2011

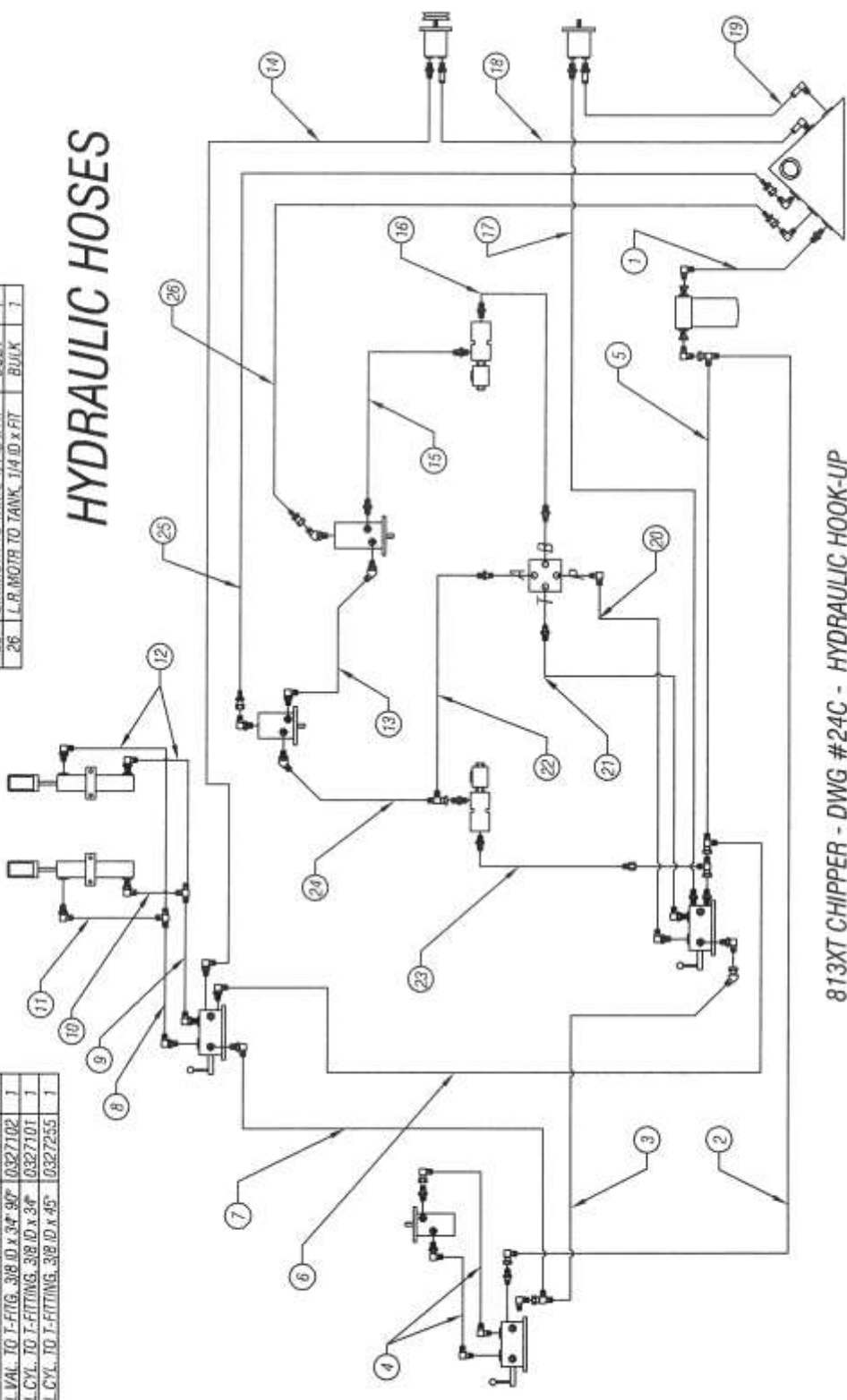


| ITEM | PART DESCRIPTION                 | PART#   | QTY | ITEM | PART DESCRIPTION                  | PART#   | QTY |
|------|----------------------------------|---------|-----|------|-----------------------------------|---------|-----|
| 18   | TANK TO AUX. PUMP 1" ID x 16"    | BULK    | 1   | 22   | SOL. N/C TO DGS-A 1/2 ID x 16.5"  | 0327368 | 1   |
| 19   | TANK TO LIFE PUMP 1" ID x 16"    | BULK    | 1   | 23   | R. VALVE TO SOL. N/C 1/2 ID x 18" | 0327078 | 1   |
| 20   | R. VALVE TO DGS-P 1/2 ID x 16"   | 0327248 | 1   | 24   | U. MOTR. TO SOL. N/C 1/2 ID x 60" | 0327084 | 1   |
| 21   | R. VALVE TO DGS-T 1/2 ID x 21"   | 0327400 | 1   | 25   | U.R. MOTR. TO TANK 1/4 ID x FIT   | BULK    | 1   |
| 22   | SOL. N/C TO DGS-A 1/2 ID x 16.5" | 0327368 | 1   | 26   | L.R. MOTR. TO TANK 1/4 ID x FIT   | BULK    | 1   |

| ITEM | PART DESCRIPTION                  | PART#   | QTY | ITEM | PART DESCRIPTION                  | PART#   | QTY |
|------|-----------------------------------|---------|-----|------|-----------------------------------|---------|-----|
| 12   | L. CYL. TO T-FITTING 3/8 ID x 77" | 0327103 | 2   | 18   | TANK TO AUX. PUMP 1" ID x 16"     | BULK    | 1   |
| 13   | LWR. MOTR. TO U.M. 1/2 ID x 51"   | 0327250 | 1   | 19   | TANK TO LIFE PUMP 1" ID x 16"     | BULK    | 1   |
| 14   | L. VAL. TO H. PUMP 1/2 ID x 150"  | 0327354 | 1   | 20   | R. VALVE TO DGS-P 1/2 ID x 16"    | 0327248 | 1   |
| 15   | L. MOTR. TO SOL. N/C 1/2 ID x 20" | 0327090 | 1   | 21   | R. VALVE TO DGS-T 1/2 ID x 21"    | 0327400 | 1   |
| 16   | SOL. N/C TO DGS-B 1/2 ID x 13"    | 0327399 | 1   | 22   | SOL. N/C TO DGS-A 1/2 ID x 16.5"  | 0327368 | 1   |
| 17   | R. VAL. TO HYD. PUMP 1/2 ID x 65" | 0327355 | 1   | 23   | R. VALVE TO SOL. N/C 1/2 ID x 18" | 0327078 | 1   |

| ITEM | PART DESCRIPTION                   | PART#   | QTY | ITEM | PART DESCRIPTION                    | PART#   | QTY |
|------|------------------------------------|---------|-----|------|-------------------------------------|---------|-----|
| 1    | TANK TO FILTER 3/4 ID x 20" LG     | 0327264 | 1   | 8    | L. VAL. TO T-FITTING 3/8 ID x 28"   | 0327074 | 1   |
| 2    | FILTER TO W. VALVE 5/8 ID x 86"    | 0327412 | 1   | 9    | L. VAL. TO T-FITG. 3/8 ID x 34" 90° | 0327102 | 1   |
| 3    | R. VALVE TO W. VAL. 1/2 ID x 67"   | 0327265 | 1   | 10   | L. CYL. TO T-FITTING 3/8 ID x 34"   | 0327101 | 1   |
| 4    | W. VALVE TO MOTOR 5/8 ID x 22"     | 0327372 | 2   | 11   | L. CYL. TO T-FITTING 3/8 ID x 45"   | 0327255 | 1   |
| 5    | W. VALVE TO MOTOR 5/8 ID x 20"     | 0327353 | 1   |      |                                     |         |     |
| 6    | R. VALVE TO LIFT VAL. 5/8 ID x 65" | 0327407 | 1   |      |                                     |         |     |
| 7    | L. VALVE TO W. VAL. 1/2 ID x 18"   | 0327078 | 1   |      |                                     |         |     |

# HYDRAULIC HOSES



813XT CHIPPER - DWG #24C - HYDRAULIC HOSE-UP

CATERPILLAR ENGINE WITH HYD. LIFT.  
HYD. WINCH, SPEED SENSING & AUTO REVERSE

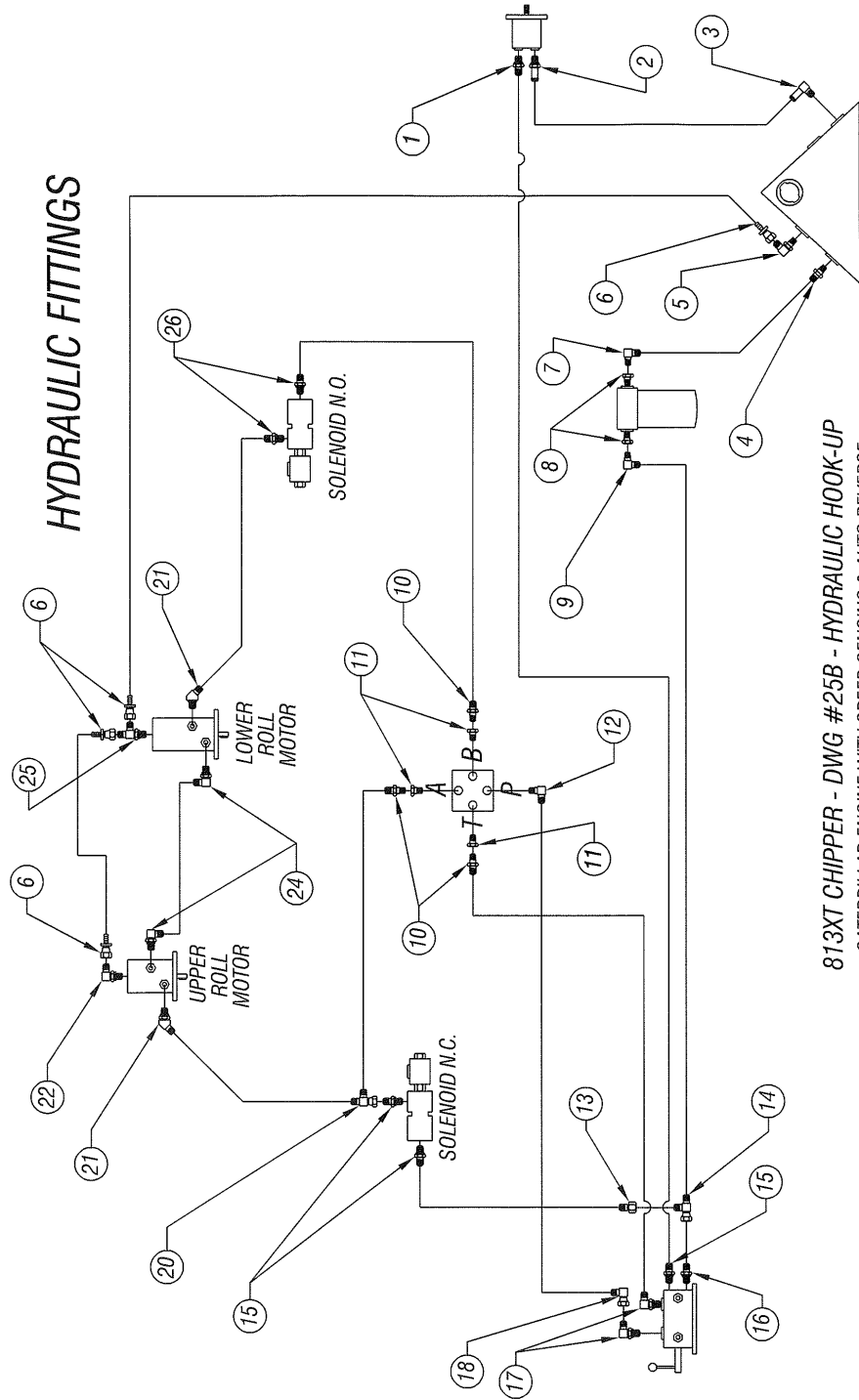
## HYDRAULIC COMPONENTS



## HYDRAULIC COMPONENTS

| ITEM | PART DESCRIPTION                | PART #  | QTY | ITEM | PART DESCRIPTION             | PART #  | QTY | ITEM | PART DESCRIPTION                  | PART #  | QTY |
|------|---------------------------------|---------|-----|------|------------------------------|---------|-----|------|-----------------------------------|---------|-----|
| 1    | CONNECTOR, 1/2FLx3/8 O-RING     | 0317027 | 1   | 9    | 90°ELBOW, 5/8 FL x 3/4 MPT   | 0317061 | 1   | 17   | 90°ELBOW, 1/2 FLx3/8 O-RING       | 0317064 | 2   |
| 2    | ADAP. STR. 1" TUBE x 3/4 O-RING | 0317129 | 1   | 10   | ADAPTER, 1/2 FLARE x 1/2 MPT | 0317054 | 3   | 18   | 90°SWIVEL ELB. 1/2FLx1/2MUT       | 0317055 | 1   |
| 3    | 90°ADAPTER, 1" TUBE x 3/4MPT    | 0317168 | 1   | 11   | BUSHING, 3/4 MPT x 1/2 FPT   | 0317082 | 3   | 19   | SWIVEL TEE RUN, 1/2x1/2x1/2       | 0317118 | 1   |
| 4    | CONNECTOR, 3/4 FL x 3/4 MPT     | 0317203 | 1   | 12   | 90°ELBOW, 1/2 FL x 3/4 MPT   | 0317040 | 1   | 20   | 45°ELBOW, 1/2 FLx5/8 O-RING       | 0317247 | 1   |
| 5    | 90°ELBOW, 1/4 M-FL x 1/4 MPT    | 0317039 | 1   | 13   | REDUCER, 1/2 FLAREx5/8 M FL  | 0317260 | 1   | 21   | 90°ELBOW, 1/4 FL x 1/4 O-RING     | 0317042 | 1   |
| 6    | HOSE END, FLARE, FEM SWIVEL     | 0317243 | 4   | 14   | SWIVEL TEE RUN, 5/8x5/8x5/8  | 0317238 | 1   | 22   | 90°ELBOW, 1/2 FLx5/8 O-RING       | 0317008 | 2   |
| 7    | 90°ELBOW, 3/4 FL x 3/4 MPT      | 0317183 | 1   | 15   | CONNECTOR, 1/2 FLx1/2 O-RING | 0317030 | 3   | 23   | TEE, 1/4 FL x 1/4 O-RING x 1/4 FL | 0317242 | 1   |
| 8    | BUSHING, 1 1/4 MPT x 3/4 FPT    | 0317204 | 2   | 16   | CONNECTOR, 5/8 FLx1/2 O-RING | 0317286 | 1   | 24   | CONNECTOR, 1/2 FLx3/8 O-RING      | 0317066 | 2   |

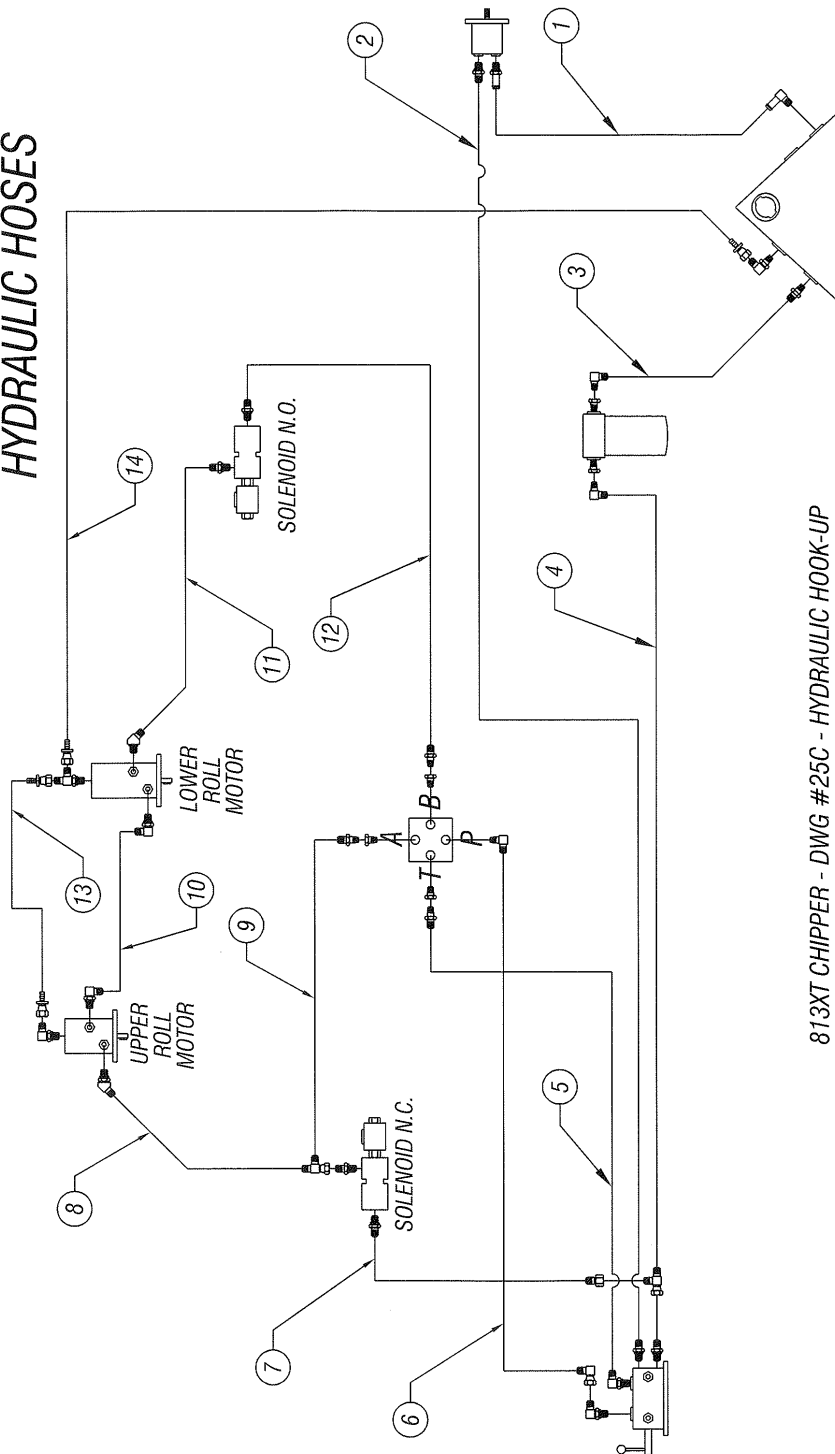
## HYDRAULIC FITTINGS



813XT CHIPPER - DWG #25B - HYDRAULIC HOOK-UP  
CATERPILLAR ENGINE WITH SPEED SENSING & AUTO REVERSE

| ITEM | PART DESCRIPTION                | PART#   | QTY | ITEM | PART DESCRIPTION                | PART#   | QTY |
|------|---------------------------------|---------|-----|------|---------------------------------|---------|-----|
| 1    | TANK TO LIVE PUMP, 1" ID x 15'  | BULK    | 1   | 8    | U.MOT. TO SOL.N.C. 1/2 ID x 60" | 0327084 | 1   |
| 2    | PUMP TO VALVE, 1/2 ID x 150"    | 0327118 | 1   | 9    | R.VAL. TO SOL.N.C. 1/2 ID x 18" | 0327078 | 1   |
| 3    | FILTER TO TANK, 3/4 ID x 20"    | 0327264 | 1   | 10   | U.MOT. TO L.MOT. 1/2 ID x 51"   | 0327250 | 1   |
| 4    | VALVE TO FILTER, 5/8 ID x 22"   | 0327372 | 1   | 11   | LWR.MOT. TO SOL.N.O. 1/2 x 20"  | 0327090 | 1   |
| 5    | VALVE TO DOS-T, 1/2 ID x 21"    | 0327400 | 1   | 12   | SOL.N.O. TO DOS-B, 1/2 ID x 18" | 0327400 | 1   |
| 6    | VALVE TO DOS-P, 1/2 ID x 16"    | 0327248 | 1   | 13   | U.R.M. TO L.R.M. 1/4 ID x 51"   | 0327363 | 1   |
| 7    | SOC.N.C. TO VALVE, 1/2 ID x 18" | 0327078 | 1   | 14   | L.R.M. TO TANK, 1/4 ID x 30"    | 0327401 | 1   |

## HYDRAULIC HOSES

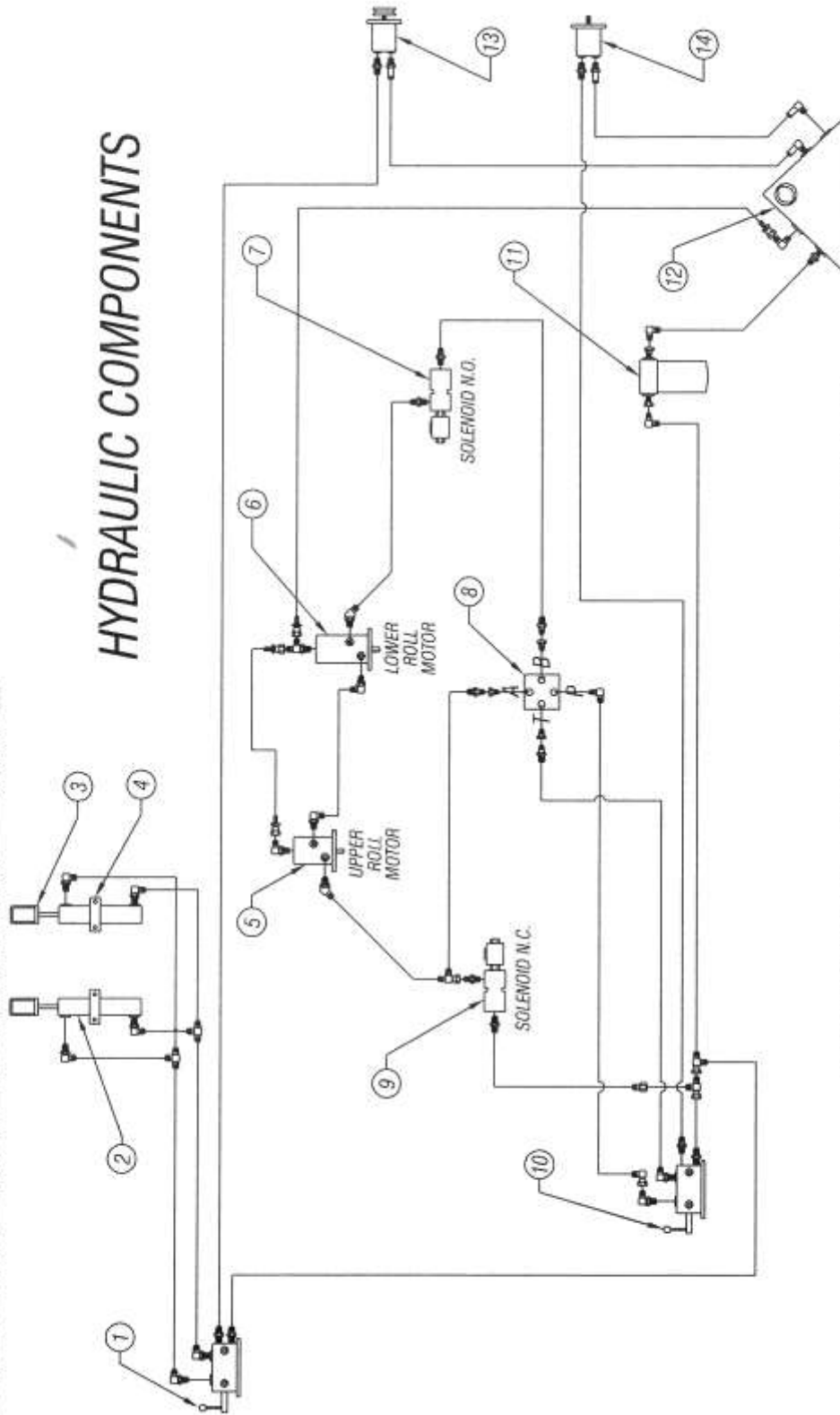


813XT CHIPPER - DWG #25C - HYDRAULIC HOSE-UP  
CATERPILLAR ENGINE WITH SPEED SENSING & AUTO REVERSE

ISSUED: 08-24-2006  
 RE-ISSUED: 11-14-2007  
 RE-ISSUED: 01-17-2011

| ITEM | PART DESCRIPTION            | PART #  | QTY | ITEM | PART DESCRIPTION           | PART #  | QTY |
|------|-----------------------------|---------|-----|------|----------------------------|---------|-----|
| 1    | VALVE, DIRECTIONAL-LIFT CYL | 0330133 | 1   | 8    | VALVE, REVERSING           | 0330121 | 1   |
| 2    | HYDRAULIC CYLINDER          | 0330046 | 2   | 9    | VALVE, SOLENOID-NORM CLD   | 0330081 | 1   |
| 3    | PLATE, YOKE CYL DOWNFORCE   | 0262118 | 2   | 10   | VALVE, DIRECTIONAL-FD ROLL | 0330132 | 1   |
| 4    | MOUNT, CYL CLAMP            | 0276139 | 2   | 11   | OIL FILTER, HOUSING        | 0318021 | 1   |
| 5    | MOTOR, UPPER FEED ROLL      | 0330144 | 1   | 12   | HYD OIL TANK               | 0252025 | 1   |
| 6    | MOTOR, LOWER FEED ROLL      | 0330129 | 1   | 13   | PUMP, AUX, HYDRAULIC       | 0330152 | 1   |
| 7    | VALVE, SOLENOID-NORM OPEN   | 0330080 | 1   | 14   | PUMP, LIFE, HYDRAULIC      | 0330088 | 1   |

## HYDRAULIC COMPONENTS

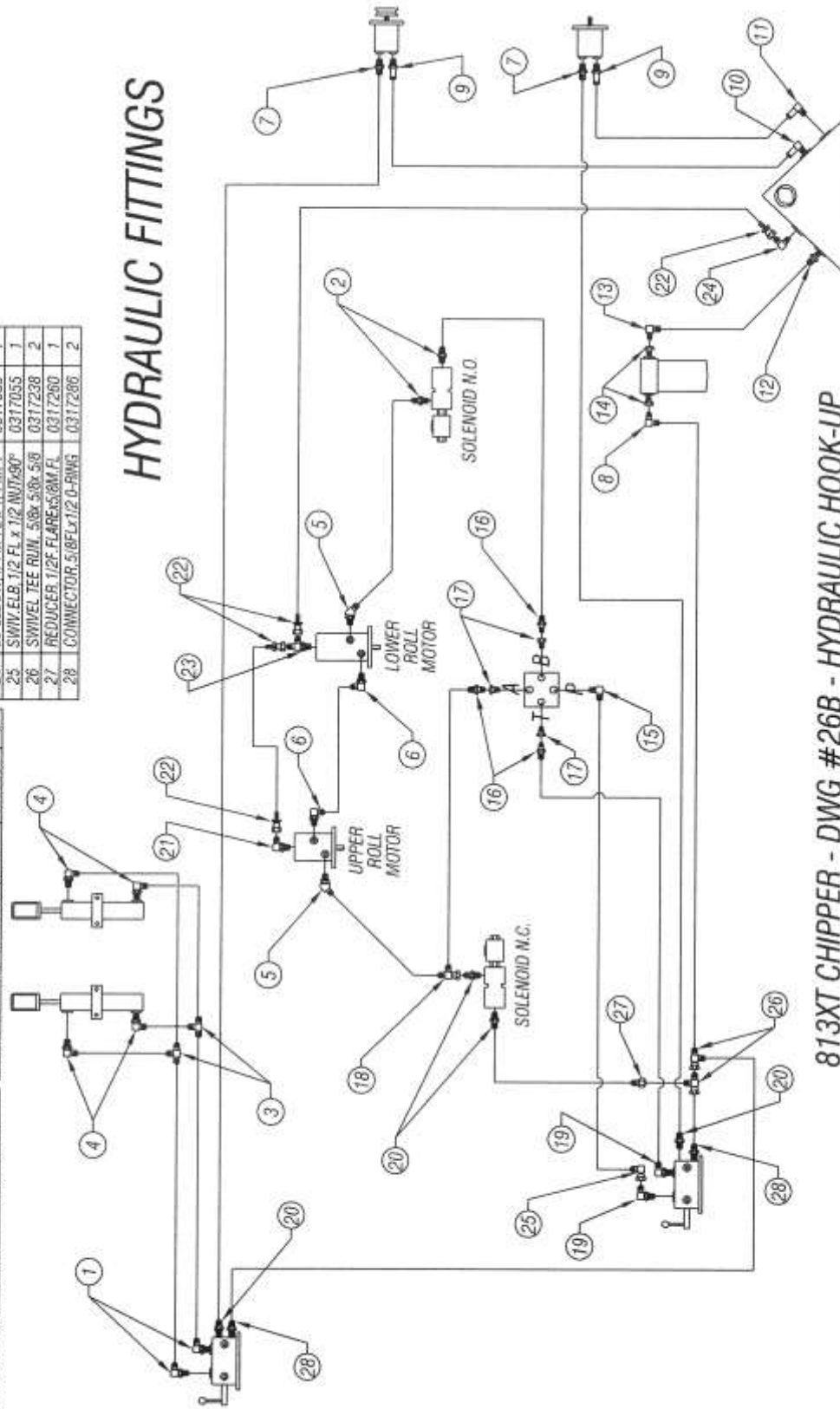


813XT CHIPPER - DWG #26A - HYDRAULIC HOOK UP  
 CATERPILLAR ENGINE WITH HYD LIFT, SPEED SENSING & AUTO REVERSE

ISSUED: 08-24-2006  
 RE-ISSUED: 05-09-2008  
 RE-ISSUED: 01-17-2011

| ITEM | PART DESCRIPTION               | PART #  | QTY | ITEM | PART DESCRIPTION               | PART #  | QTY | ITEM | PART DESCRIPTION                  | PART #  | QTY |
|------|--------------------------------|---------|-----|------|--------------------------------|---------|-----|------|-----------------------------------|---------|-----|
| 1    | 90° ELBOW, 3/8 FL x 3/8 O-RING | 0317029 | 2   | 9    | ADAPT, 1" TUBE x 3/4 THRO - 0" | 0317129 | 2   | 17   | BUSHING, 3/4 MPT x 1/2 FPT        | 0317082 | 3   |
| 2    | CONNECTOR, 1/2 FL x 3/8 O-RING | 0317066 | 2   | 10   | 90° ADAPTER, 1" TUBE x 1" MPT  | 0317081 | 1   | 18   | SWIVEL TEE RUN, 1/2x1/2x1/2       | 0317118 | 1   |
| 3    | TEE, 3/8 FL x 3/8 FL x 3/8 FL  | 0317119 | 2   | 11   | 90° ADAPTER, 1" TUBE x 3/4 MPT | 0317168 | 1   | 19   | 90° ELBOW, 1/2 FL x 3/8 O-RING    | 0317064 | 2   |
| 4    | 90° ELBOW, 3/8 FL x 1/4 MPT    | 0317046 | 4   | 12   | CONNECTOR, 3/4 FL x 3/4 MPT    | 0317203 | 1   | 20   | CONNECTOR, 1/2 FL x 1/2 O-RING    | 0317030 | 4   |
| 5    | 45° ELBOW, 1/2 FL x 5/8 O-RING | 0317247 | 2   | 13   | 90° ELBOW, 3/4 FL x 3/4 MPT    | 0317183 | 1   | 21   | 90° ELBOW, 1/4 FL x 1/4 O-RING    | 0317042 | 1   |
| 6    | 90° ELBOW, 1/2 FL x 5/8 O-RING | 0317008 | 2   | 14   | BUSHING, 1 1/4 MPT x 3/4 FPT   | 0317204 | 2   | 22   | HOSE END FLARE FEM SWIVEL         | 0317243 | 4   |
| 7    | CONNECTOR, 1/2 FL x 5/8 O-RING | 0317027 | 2   | 15   | 90° ELBOW, 1/2 FL x 3/4 MPT    | 0317040 | 1   | 23   | TEE, 1/4 FL x 1/4 O-RING x 1/4 FL | 0317242 | 1   |
| 8    | 90° ELBOW, 5/8 FL x 3/4 MPT    | 0317061 | 1   | 16   | ADAPTER, 1/2 FL x 1/2 MPT      | 0317054 | 3   | 24   | 90° ELBOW, 1/4 M-FL x 1/4 MPT     | 0317039 | 1   |
|      |                                |         |     |      |                                |         |     | 25   | SWIVEL ELB, 1/2 FL x 1/2 NUT-90°  | 0317055 | 1   |
|      |                                |         |     |      |                                |         |     | 26   | SWIVEL TEE RUN, 5/8x 5/8x 5/8     | 0317238 | 2   |
|      |                                |         |     |      |                                |         |     | 27   | REDUCER, 1/2 FL x 5/8 M-FL        | 0317260 | 1   |
|      |                                |         |     |      |                                |         |     | 28   | CONNECTOR, 5/8 FL x 1/2 O-RING    | 0317286 | 2   |

## HYDRAULIC FITTINGS

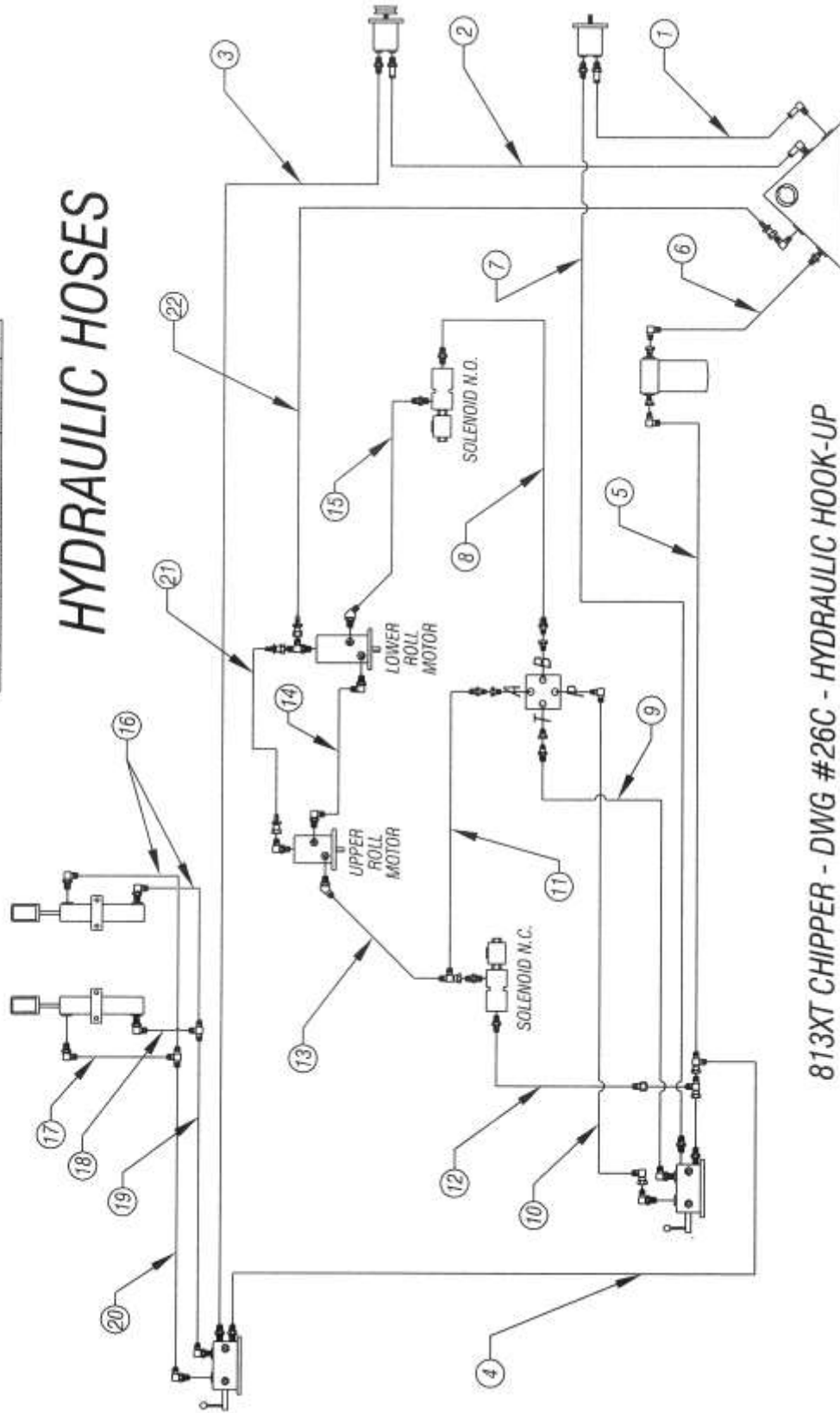


813XT CHIPPER - DWG #26B - HYDRAULIC HOOK-UP  
 CATERPILLAR ENGINE WITH HYD LIFT, SPEED SENSING & AUTO REVERSE

ISSUED: 08-24-2006  
 RE-ISSUED: 05-09-2008  
 RE-ISSUED: 01-17-2011

| ITEM | PART DESCRIPTION                  | PART #  | QTY | ITEM | PART DESCRIPTION                 | PART #  | QTY | ITEM | PART DESCRIPTION                 | PART #  | QTY |
|------|-----------------------------------|---------|-----|------|----------------------------------|---------|-----|------|----------------------------------|---------|-----|
| 1    | TANK TO PUMP, 1" ID x FIT         | BULK    | 1   | 8    | SOL N/O TO DOS-B, 1/2 ID x 13"   | 0327399 | 1   | 15   | LWR MOT TO SOL N/O, 1/2 x 20"    | 0327090 | 1   |
| 2    | TANK TO PUMP, 1" ID x FIT         | BULK    | 1   | 9    | R VAL TO DOS-T, 1/2 ID x 21"     | 0327400 | 1   | 16   | L CYL TO T-FITTING, 3/8 ID x 7"  | 0327103 | 2   |
| 3    | PUMP TO L VALVE, 1/2 ID x 150"    | 0327354 | 1   | 10   | R VAL TO DOS-P, 1/2 ID x 16"     | 0327248 | 1   | 17   | L CYL TO T-FITTING, 3/8 ID x 45" | 0327255 | 1   |
| 4    | R VALVE TO LIFT VAL, 1/2 ID x 65" | 0327262 | 1   | 11   | SOL N/C TO DOS-A, 1/2 ID x 16.5" | 0327368 | 1   | 18   | L CYL TO T-FITTING, 3/8 ID x 34" | 0327101 | 1   |
| 5    | R VALVE TO FILTER, 1/2 ID x 20"   | 0327029 | 1   | 12   | SOL N/C TO R VAL, 1/2 ID x 18"   | 0327078 | 1   | 19   | L VAL TO T-FITG, 3/8 ID x 34*90" | 0327102 | 1   |
| 6    | FILTER TO TANK, 3/4 ID x 20"      | 0327264 | 1   | 13   | U MOT TO SOL N/C, 1/2 ID x 60"   | 0327084 | 1   | 20   | L VAL TO T-FITTING, 3/8 ID x 28" | 0327074 | 1   |
| 7    | PUMP TO R VALVE, 1/2 ID x 95"     | 0327355 | 1   | 14   | U MOT TO LWR MOT, 1/2 ID x 51"   | 0327250 | 1   | 21   | U R.M. TO L.R.M. 1/4 ID x 31"    | 0427363 | 1   |
|      |                                   |         |     |      |                                  |         |     | 22   | L.R.M. TO TANK, 1/4 ID x 30"     | 0427401 | 1   |

# HYDRAULIC HOSES



813XT CHIPPER - DWG #26C - HYDRAULIC HOOK-UP  
 CATERPILLAR ENGINE WITH HYD LIFT, SPEED SENSING & AUTO REVERSE