

Model JH9020 Hillco Leveling System  
For Serial Numbers JH9020-20001 thru JH9020-20999



# **Model JH9020 Hillside Leveling System Parts Manual**

SN JH9020-20001 thru JH9020-20999

For John Deere S780 & S790  
S Series Combines

D-180730CMA01



# **JH9020 Hillside Leveling System**

**For S780 & S790 S Series Combines**

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### **Contact Information**

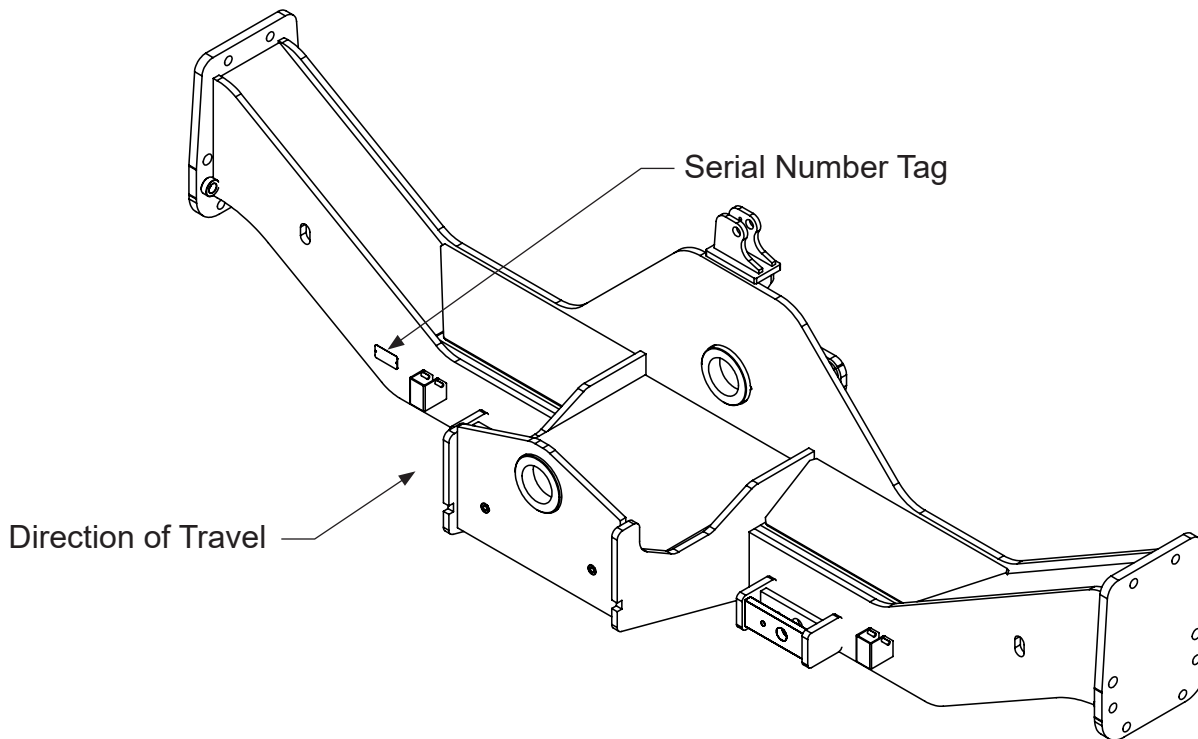
Hillco Technologies, Inc.  
1010 1st Avenue  
Nezperce, Idaho 83543

Phone 800-937-2461  
208-937-2461  
Fax 208-937-2280

[www.hillcotechnologies.com](http://www.hillcotechnologies.com)  
email: [support@hillcotechnologies.com](mailto:support@hillcotechnologies.com)

## **GENERAL INFORMATION**

### **SERIAL NUMBER LOCATION**



## **TEXT AND ILLUSTRATIONS**

The arrangement of this parts catalog is for easy identification of parts. All parts are illustrated in exploded views in proper relation to each other. Some diagrams refer to other pages for further information. Reference numbers used in the illustrations refer to line numbers in the part lists. The part lists appear to the right or below all diagrams and correspond with those diagrams. Included in the part lists, along with the reference numbers are part numbers, part descriptions and the quantity of the part required per leveling system.

## **ABBREVIATIONS**

**SN** “Serial Number” refers to the serial number given to each leveling system (by Hillco Technologies), as well as the serial number given to the combine (by the specific combine manufacturer) the leveling system is installed. See above for the leveling system’s serial number location. This abbreviation is used interchangeably in both instances. Each Model JH9010 Leveling System uses the following serial number format: JH9020-XXXXX (sequential numbers).

**ASM** “Assembly” refers to a whole grouping of parts (shown in the diagram corresponding with the page where “ASM” is shown unless otherwise noted). Some assemblies have parts that are sold separately, however some must be purchased as a single unit. Hillco Product Specialists will be able to assist you with any questions.

**NS** “Not Shown” refers to a part that is not depicted in the illustration.

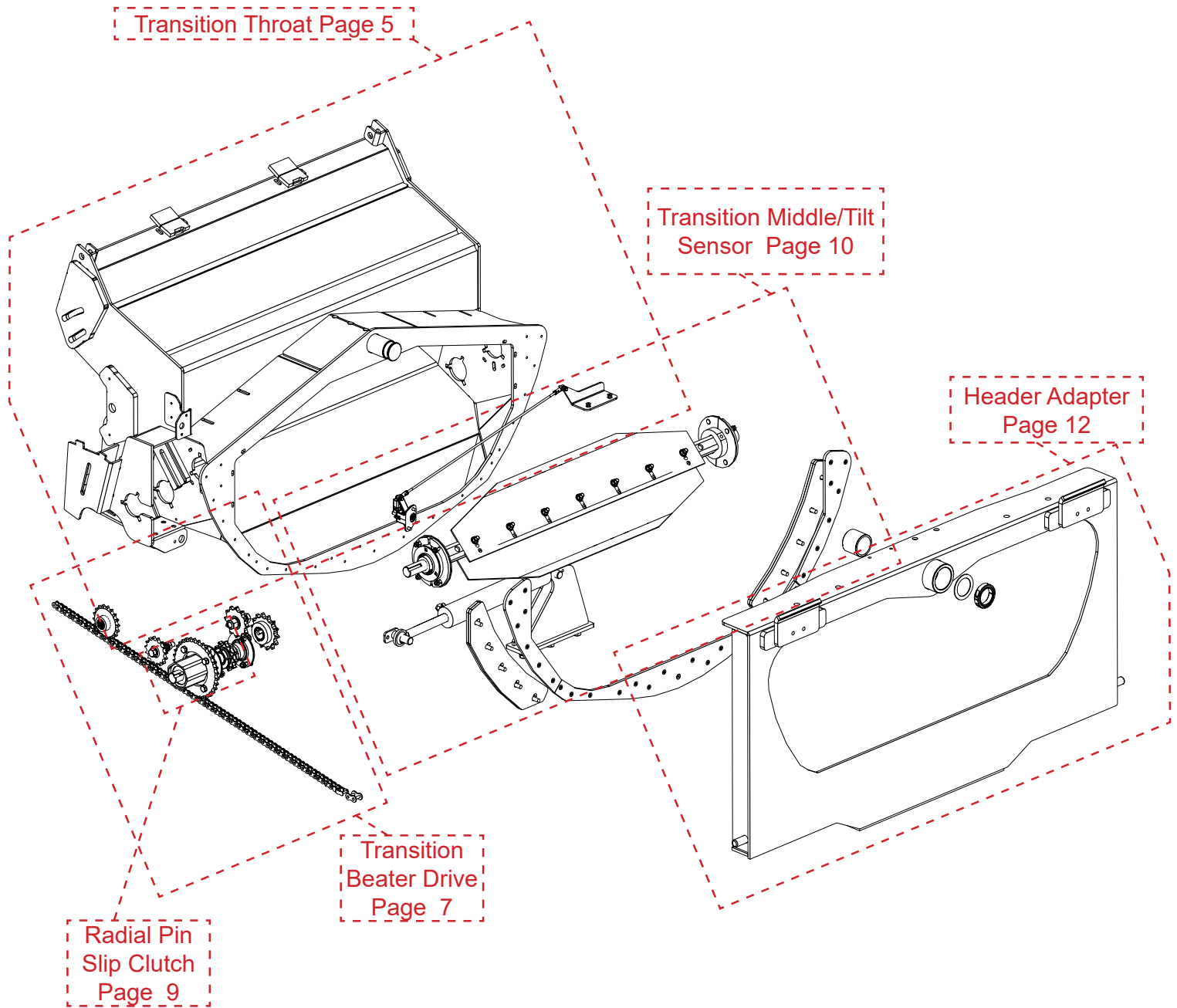
## **RIGHT AND LEFT IDENTIFICATION**

The reference to right-hand and left-hand in this catalog is identified by the operator sitting in the operator’s seat, looking toward the front of the machine (in normal forward travel).

## **PART ORDERS**

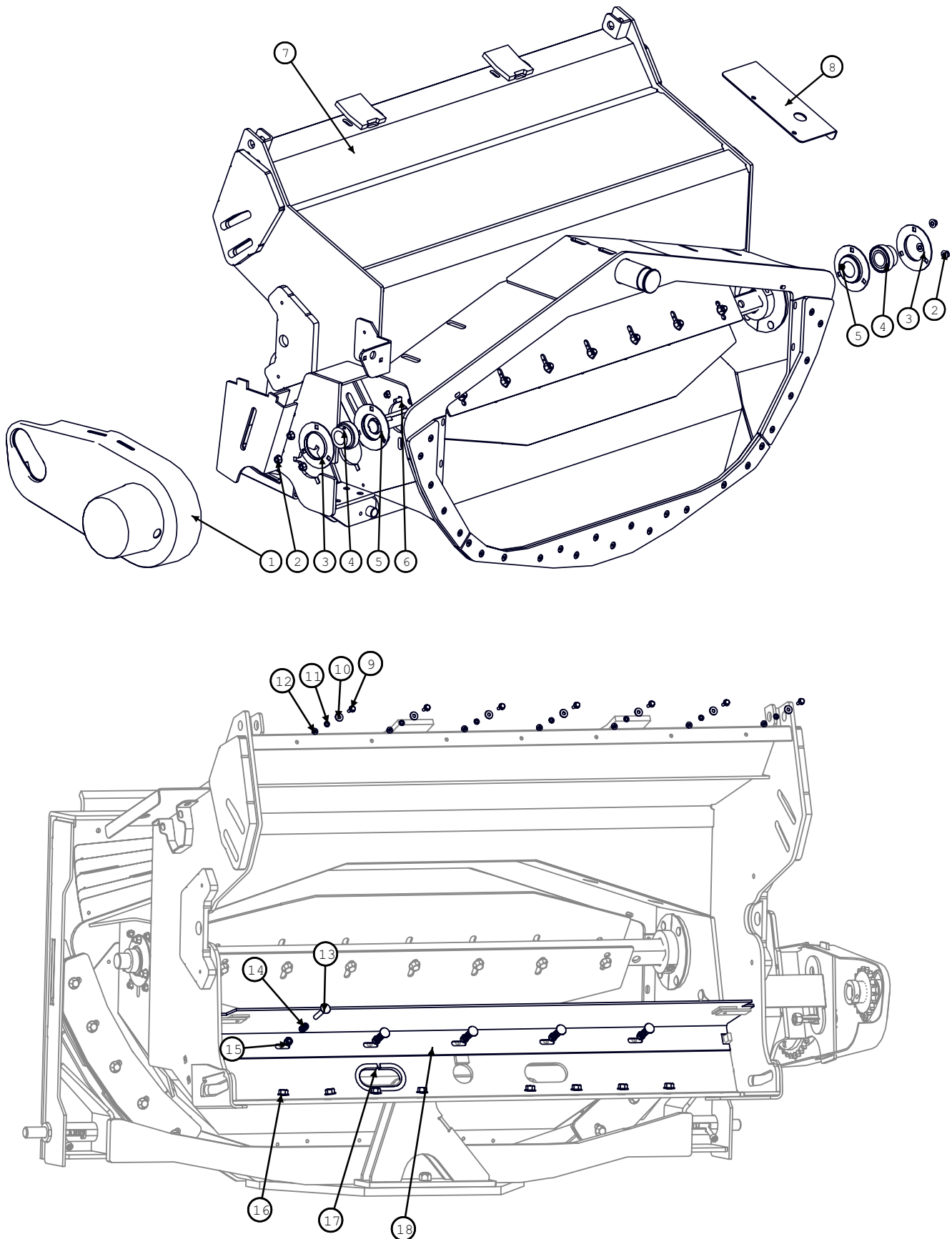
Orders must specify product model, serial number, correct part number, complete description, quantity required, method of shipment, shipping address, and billing address.

## ***TRANSITION***



Model JH9020 Hillco Leveling System  
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**TRANSITION THROAT**

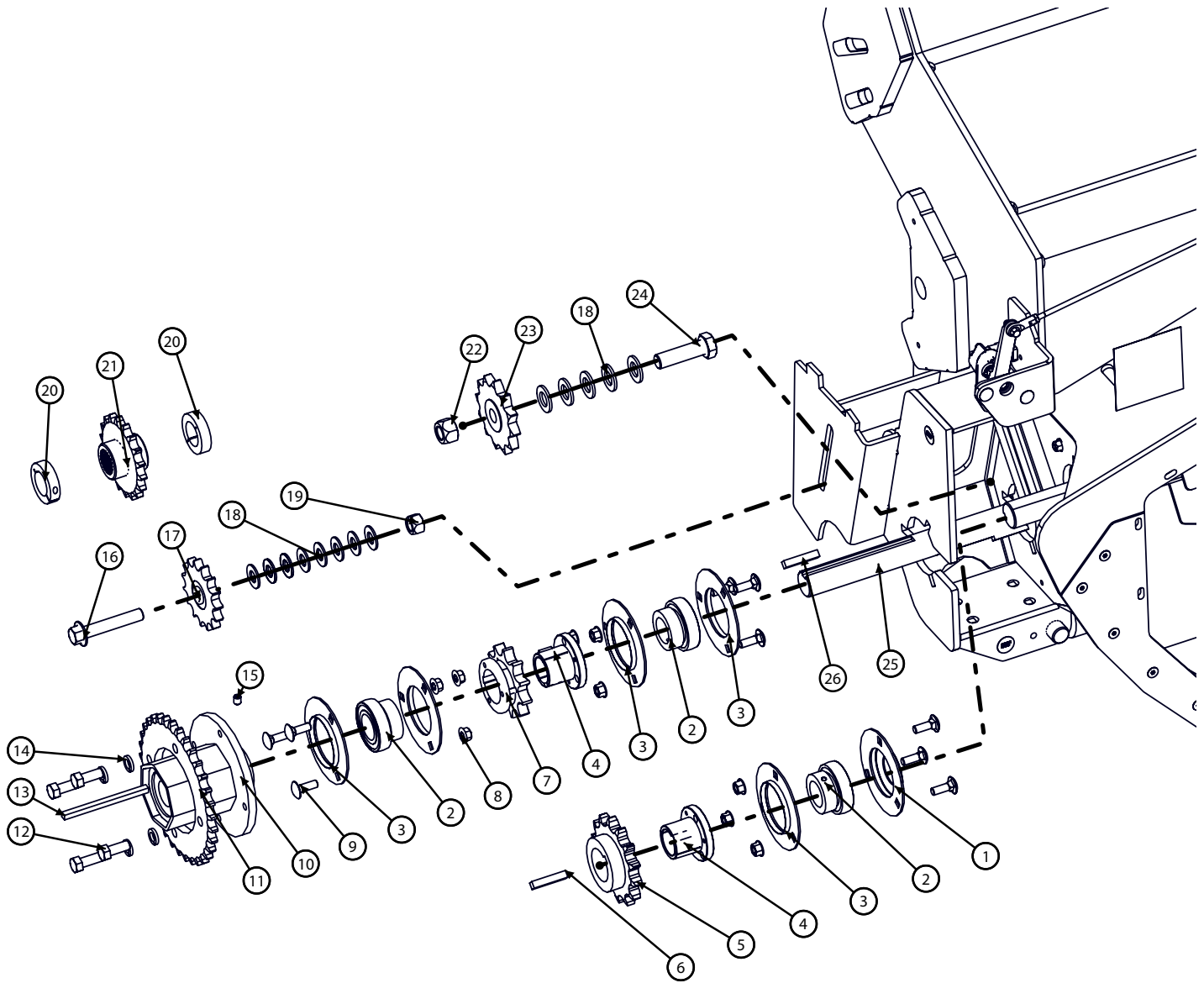


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| Transition Throat |             |     |                          |
|-------------------|-------------|-----|--------------------------|
| BOM ID            | Part No.    | Qty | Description              |
| 1                 | 1147671     | 1   | SHIELD, BEATER DRIVE     |
| 2                 | 123.010     | 6   | NUT,HEX,FLANGE,CL10 M10  |
| 3                 | 101339      | 2   | FLANGETTE,               |
| 4                 | 100548      | 2   | INSERT BEARING           |
| 5                 | 1243691     | 2   | INNER FLANGETTE          |
| 6                 | 163.010.050 | 6   | BOLT,CARR,CL8.8 M10      |
| 7                 | 1323302     | 1   | THROAT                   |
| 8                 | 1316464     | 1   | TRIM SHIELD              |
| 9                 | 122.006.020 | 7   | BOLT,HX,FL,CL10.9 M6X20  |
| 10                | 105.004     | 7   | WASHER,FLT 1/4           |
| 11                | 136.004     | 7   | WASHER,LCK,MED-SPLIT 1/4 |
| 12                | 123.006     | 7   | NUT,HX,FL,CL10 M6        |
| 13                | 163.010.060 | 5   | BOLT,CARR,CL8.8 M10      |
| 14                | 143591      | 5   | SPRING, COMPRESSION      |
| 15                | 191.010     | 5   | NUT,HX,NYL,CL8 M10       |
| 16                | 123.012     | 8   | NUT,HX,FL,CL10 M12       |
| 17                | 10114.00168 | 1   | TRIM, RUBBER EDGE,       |
| 18                | 1312971     | 1   | FLEX FLOOR               |

Model JH9020 Hillco Leveling System  
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**TRANSITION BEATER DRIVE**



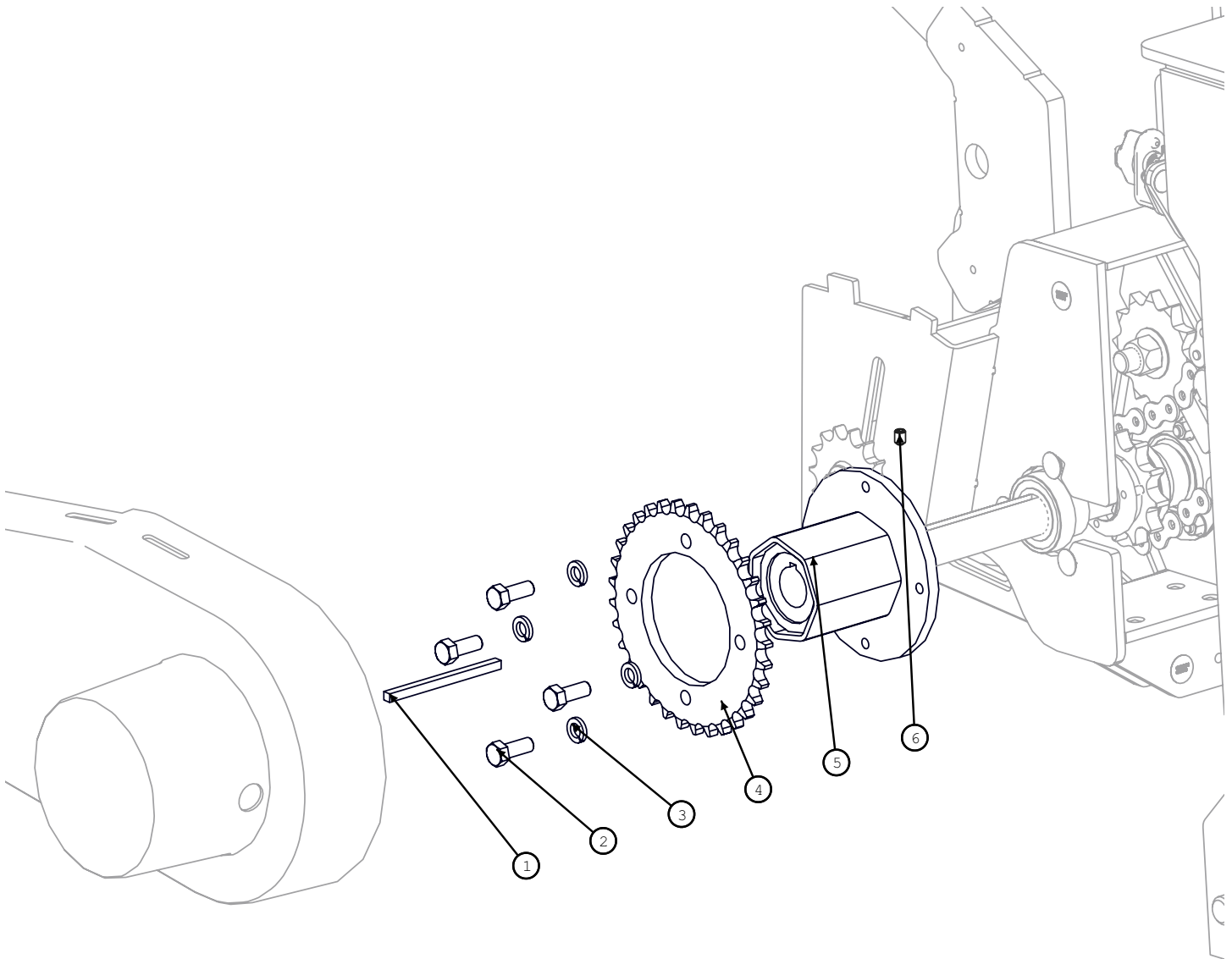
Model JH9020 Hillco Leveling System  
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| Transtion Beater Drive |                |     |                                                 |
|------------------------|----------------|-----|-------------------------------------------------|
| BOM ID                 | Part No.       | Qty | Description                                     |
| 1                      | 1243691        | 1   | INNER FLANGETTE                                 |
| 2                      | 100548         | 3   | INSERT BEARING                                  |
| 3                      | 101339         | 5   | FLANGETTE,                                      |
| 4                      | 135511         | 2   | HUB, SPLIT TAPER                                |
| 5                      | 136151         | 1   | SPROCKET, TAPER BORE (80 PITCH, 14T)            |
| 6                      | 10049.06.00032 | 1   | SQ,1018,CD 3/8X2                                |
| 7                      | 135491         | 1   | SPROCKET, TAPER BORE (80 PITCH, 11T)            |
| 8                      | 123.010        | 9   | NUT,HX,FL,CL10 M10                              |
| 9                      | 163.010.030    | 9   | BOLT,CARR,CL8.8 M10                             |
| 10                     | 136921         | 1   | SLIP CLUTCH, RADIAL                             |
| 11                     | 1226532        | 1   | SPROCKET, PLATE                                 |
| 12                     | 167.008.020    | 4   | BOLT,HX,GR8 1/2-20X1-1/4                        |
| 13                     | 10049.05.00080 | 1   | SQ,1018,CD 5/16" X 5"                           |
| 14                     | 139.008        | 4   | WASHER,LCK,HVY-SPLIT 1/2                        |
| 15                     | 158.006.008    | 1   | SCREW,SKT,SET 3/8-16X1/2                        |
| 16                     | 122.016.060    | 1   | BOLT,HX,FL,CL10.9 M16X60                        |
| 17                     | 100237         | 1   | SPROCKET, IDLER, 60P, 15T, 5/8B                 |
| 18                     | 133.010        | 15  | WASHER,L9,HD                                    |
| 19                     | 126.016        | 1   | NUT,HX,STV,CL10 M16                             |
| 20                     | 142001         | 2   | 1 PC SPLIT COLLAR,                              |
| 21                     | 1273851        | 1   | DRIVE SPROCKET                                  |
| 22                     | 126.020        | 1   | NUT,HX,STV,CL10 M20                             |
| 23                     | 137441         | 1   | SPOCKET, IDLER, 80P, 12T, 3/4" BORE             |
| 24                     | 121.020.070    | 1   | BOLT,HX,CL10.9 M20                              |
| 25                     | 1229142        | 1   | JACK SHAFT, RND, 1144, G&P 1-7/16" X 13-1/16    |
| 26                     | 10049.06.00032 | 1   | SQ,1018,CD 3/8X2                                |
| DRIVE CHAINS           |                |     |                                                 |
| NS                     | 10068.073      | -   | 60 PITCH CHAIN, 73 PITCHES, TRANSITION DRIVE    |
| NS                     | 10066.029      |     | 80 PITCH CHAIN, 29 PITCHES, PADDLE BEATER DRIVE |



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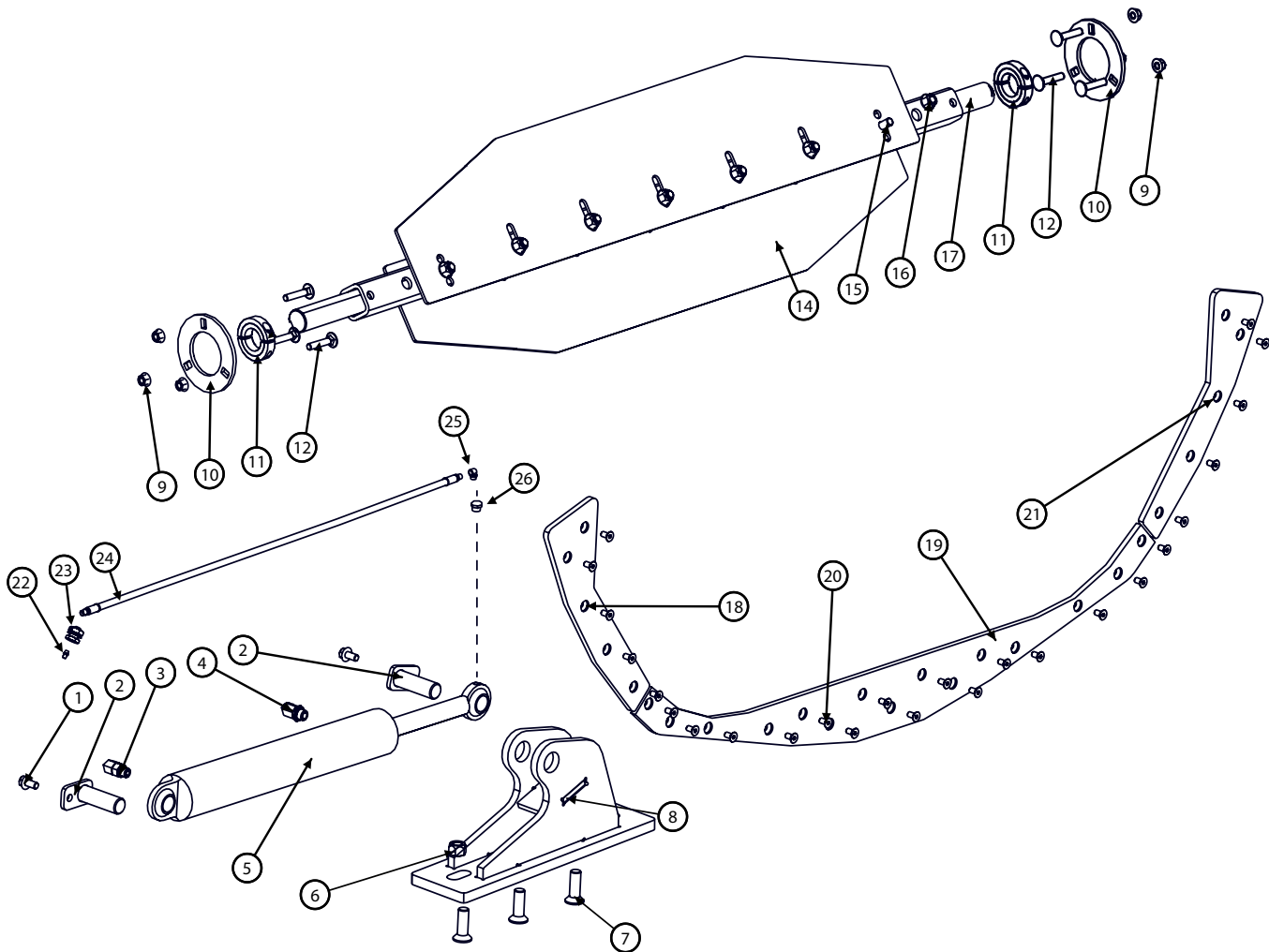
***RADIAL PIN SLIP CLUTCH***



| Radial Pin Slip Clutch |                |     |                             |
|------------------------|----------------|-----|-----------------------------|
| BOM ID                 | Part No.       | Qty | Description                 |
| ASM                    | LA-242431      | 1   | SLIP CLUTCH ASM, RADIAL PIN |
| 2                      | 10049.05.00080 | 1   | SQ,1018,CD 5/16X5           |
| 2                      | 167.008.020    | 4   | BOLT,HX,GR8 1/2-20X1-1/4    |
| 3                      | 139.008        | 4   | WASHER,LCK,HVY-SPLIT 1/2    |
| 4                      | 1226532        | 1   | SPROCKET, PLATE             |
| 5                      | 136921         | 1   | SLIP CLUTCH, RADIAL         |
| 6                      | 158.006.008    | 1   | SCREW,SKT,SET 3/8-16X1/2    |

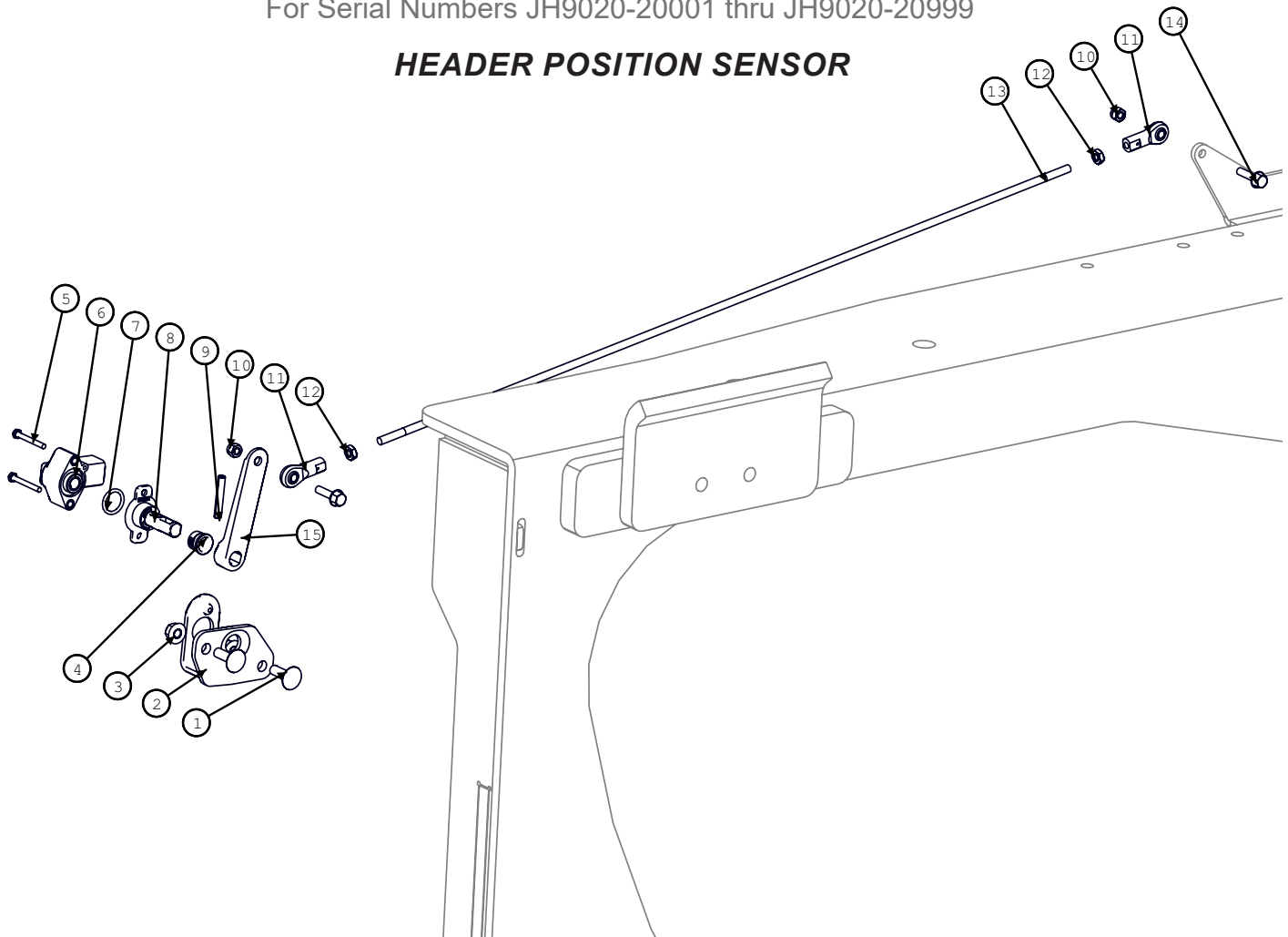
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**TRANSITION MIDDLE**



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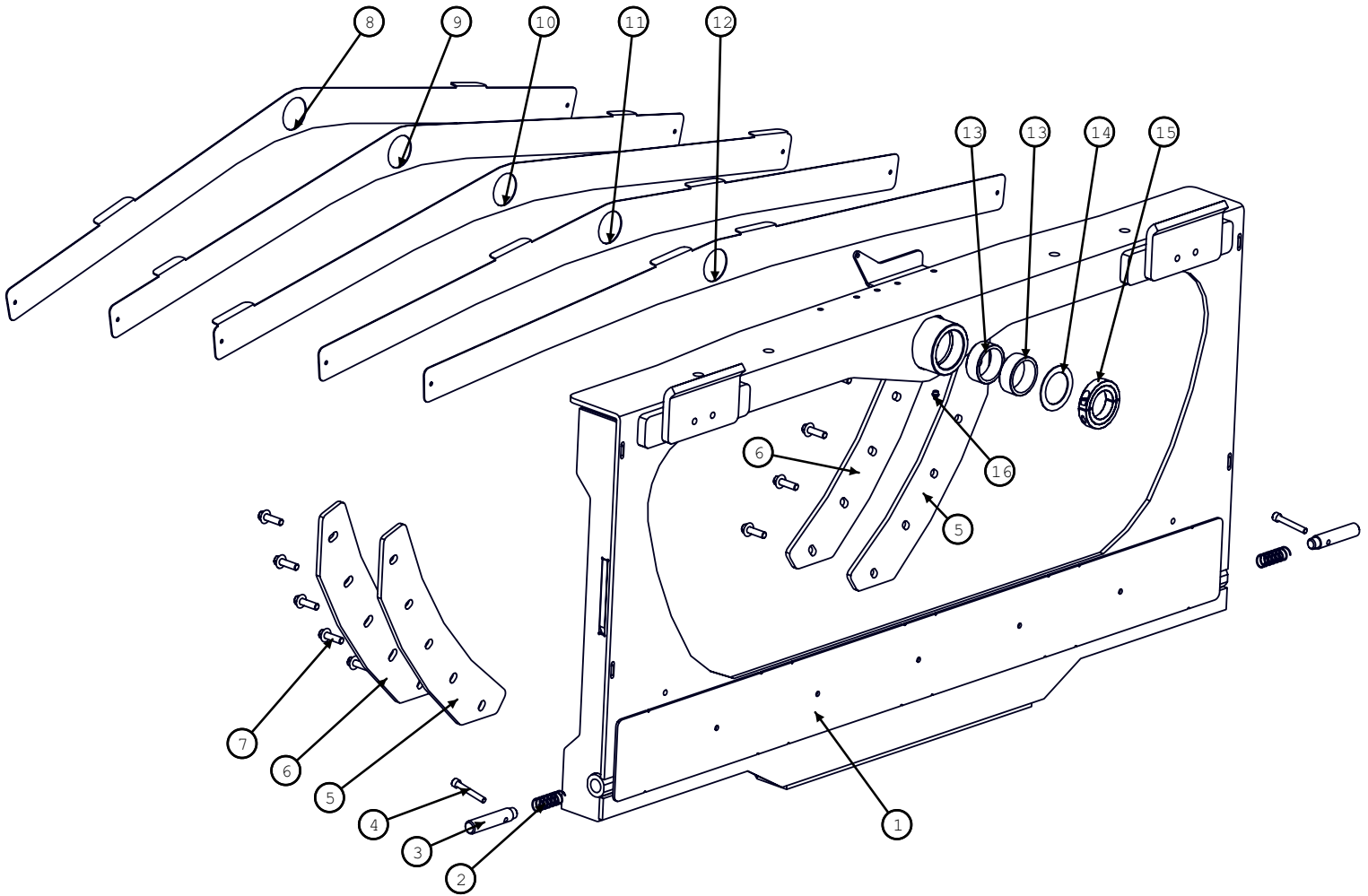
| Transition Middle |                 |     |                            |
|-------------------|-----------------|-----|----------------------------|
| BOM ID            | HILLCO Part No. | Qty | Description                |
| 1                 | 122.010.020     | 2   | BOLT,HX,FL,CL10.9 M10X20   |
| 2                 | 1253884         | 2   | CYLINDER PIN, TRIM         |
| 3                 | 1003.06.06      | 1   | HA,90° 6MORB X 6MORS 90°   |
| 4                 | 1002.06.06      | 1   | HA,45° -6MORB X -6MORFS    |
| 5                 | 147491          | 1   | CYLINDER,SLAVE,21"CPC      |
| 6                 | 126.016         | 3   | NUT,HX,STV,CL10 M16        |
| 7                 | 122.016.050     | 3   | BOLT,HX,FL,CL10.9 M16 X 50 |
| 8                 | 1322201         | 1   | ROD MOUNT                  |
| 9                 | 123.010         | 6   | NUT, M10                   |
| 10                | 1346691         | 2   | SHAFT SEAL                 |
| 11                | 155773          | 2   | CLAMP ON SHAFT COLLAR      |
| 12                | 163.010.050     | 6   | BOLT, CARR, M10 X 50       |
| 14                | 1286321         | 2   | PADDLE,METAL,NARROW        |
| 15                | 122.012.080     | 7   | BOLT,HX,FL,CL10.9 M12X80   |
| 16                | 128.012         | 7   | NUT,HX,FL,STV,CL10 M12     |
| 17                | 1251632         | 1   | BEATER SHAFT               |
| 18                | 1229162         | 1   | SIDE WEAR PLATE, L         |
| 19                | 1322151         | 1   | BOTTOM WEAR PLATE          |
| 20                | 164.008.016     | 25  | SCREW,FHSC,CL10.9 M8X16    |
| 21                | 1229172         | 1   | SIDE WEAR PLATE, R         |
| 22                | 138011          | 1   | ZERK,STR, 1/4-28MTAPER     |
| 23                | 155157          | 1   | BULKHEAD,GREASE,STR,       |
| 24                | 1138952         | 1   | 100R1-03, 40"              |
| 25                | 135771          | 1   | ADAPTER,GREASE,90°         |
| 26                | 135881          | 1   | ADAPTER,GREASE, STRAIGHT   |



| Header Position Sensor |                 |     |                         |
|------------------------|-----------------|-----|-------------------------|
| BOM ID                 | HILLCO Part No. | Qty | Description             |
| 1                      | 163.008.025     | 2   | BOLT,CARR,CL8.8 M8X25   |
| 2                      | 151321          | 1   | BRACKET, SENSOR         |
| 3                      | 123.008         | 2   | NUT,HX,FL,CL10 M8       |
| 4                      | 151361          | 1   | BUSHING,                |
| 5                      | 170.004.035     | 2   | BOLT, HX,CL8.8          |
| 6                      | 151381          | 1   | SENSOR, ROTATION,       |
| 7                      | 151391          | 1   | O-RING, 11/16ID         |
| 8                      | 151401          | 1   | SENSOR SHAFT,           |
| 9                      | 201.006.036     | 1   | PIN,ROLL M6X36          |
| 10                     | 191.006         | 2   | NUT,HX,NYL,CL8 M6       |
| 11                     | 151881          | 2   | ROD END, BALL JOINT,    |
| 12                     | 184.004         | 2   | NUT,HX,JAM,GR5 1/4-28   |
| 13                     | 1295502         | 1   | SENSOR ROD              |
| 14                     | 122.006.025     | 2   | BOLT,HX,FL,CL10.9 M6X25 |
| 15                     | 151351          | 1   | ARM, SENSOR             |

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**TRANSITION HEADER ADAPTER**



| Transition Header Adapter |             |     |                                                  |
|---------------------------|-------------|-----|--------------------------------------------------|
| BOM ID                    | Part No.    | Qty | Description                                      |
| 1                         | 1322001     | 1   | HEADER ADAPTER                                   |
| 2                         | 135531      | 2   | SPRING, COMPRESSION                              |
| 3                         | 1229193     | 2   | LOCKOUT PIN                                      |
| 4                         | 159.010.070 | 2   | SCREW, SHC, CL12.9                               |
| 5                         | 1249871     | 2   | WEAR PLATE,                                      |
| 6                         | 1249861     | 2   | BACKING PLATE                                    |
| 7                         | 122.012.040 | 10  | BOLT,HX,FL,CL10.9 M12X40                         |
| 8-12                      | P306131     | 1   | DEFLECTOR KIT                                    |
| 8                         | 1306183     | 1   | DEFLECTOR, REAR                                  |
| 9                         | 1306173     | 1   | DEFLECTOR, INNER REAR                            |
| 10                        | 1306163     | 1   | DEFLECTOR,                                       |
| 11                        | 1306153     | 1   | DEFLECTOR, INNER FRONT                           |
| 12                        | 1306143     | 1   | DEFLECTOR, FRONT                                 |
| 13                        | 1305471     | 2   | PIVOT BUSHING                                    |
| 14                        | 162.014.040 | 1   | BUSHING,MACH,NR                                  |
| 15                        | 150742      | 1   | COLLAR,CLAMPING,2-1/2 ID 3-3/4 OD, 2 PIECE HEAVY |
| 16                        | 133891      | 1   | ZERK, GREASE, 1/8                                |

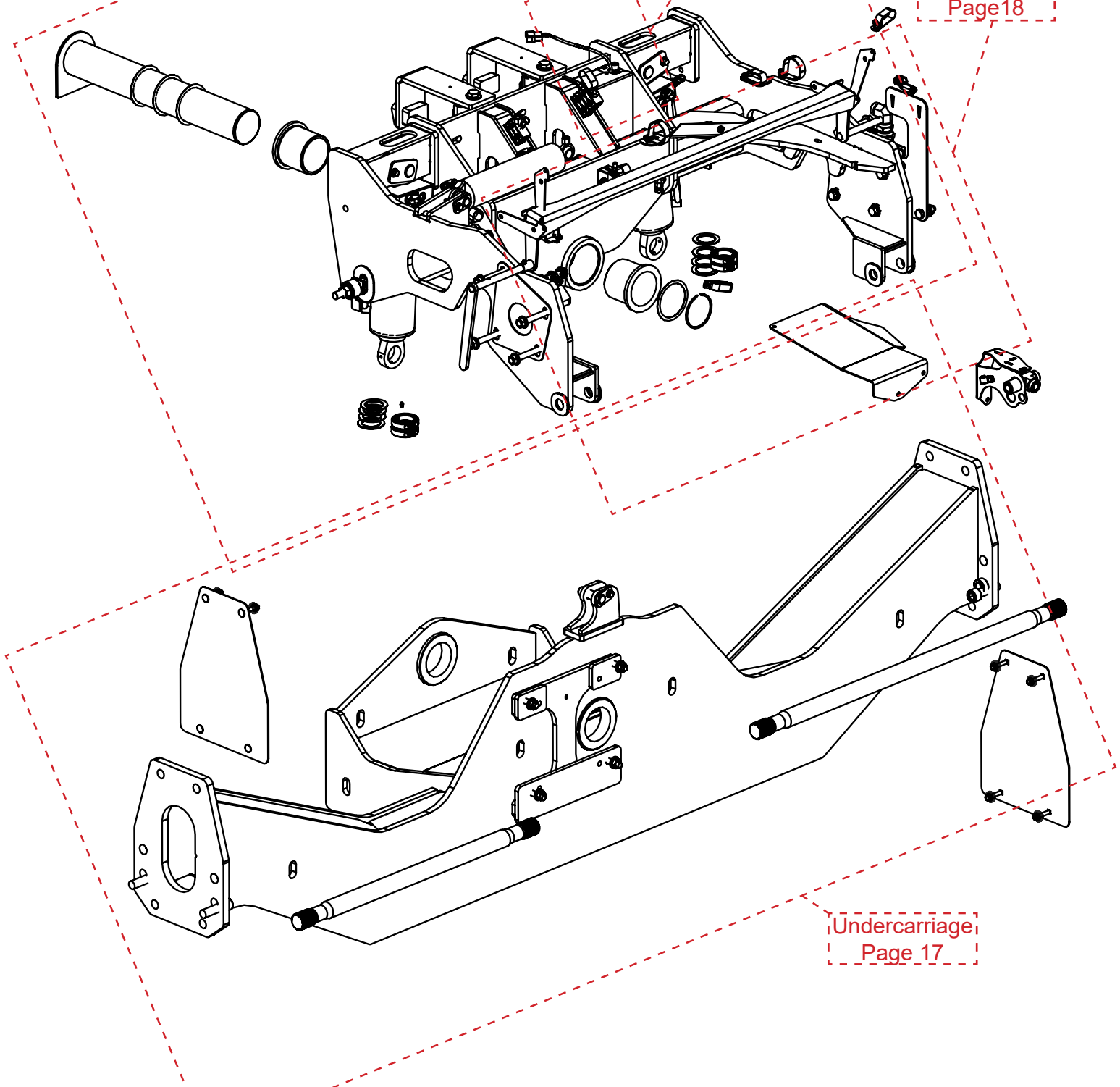
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**Carriage**

Overcarriage  
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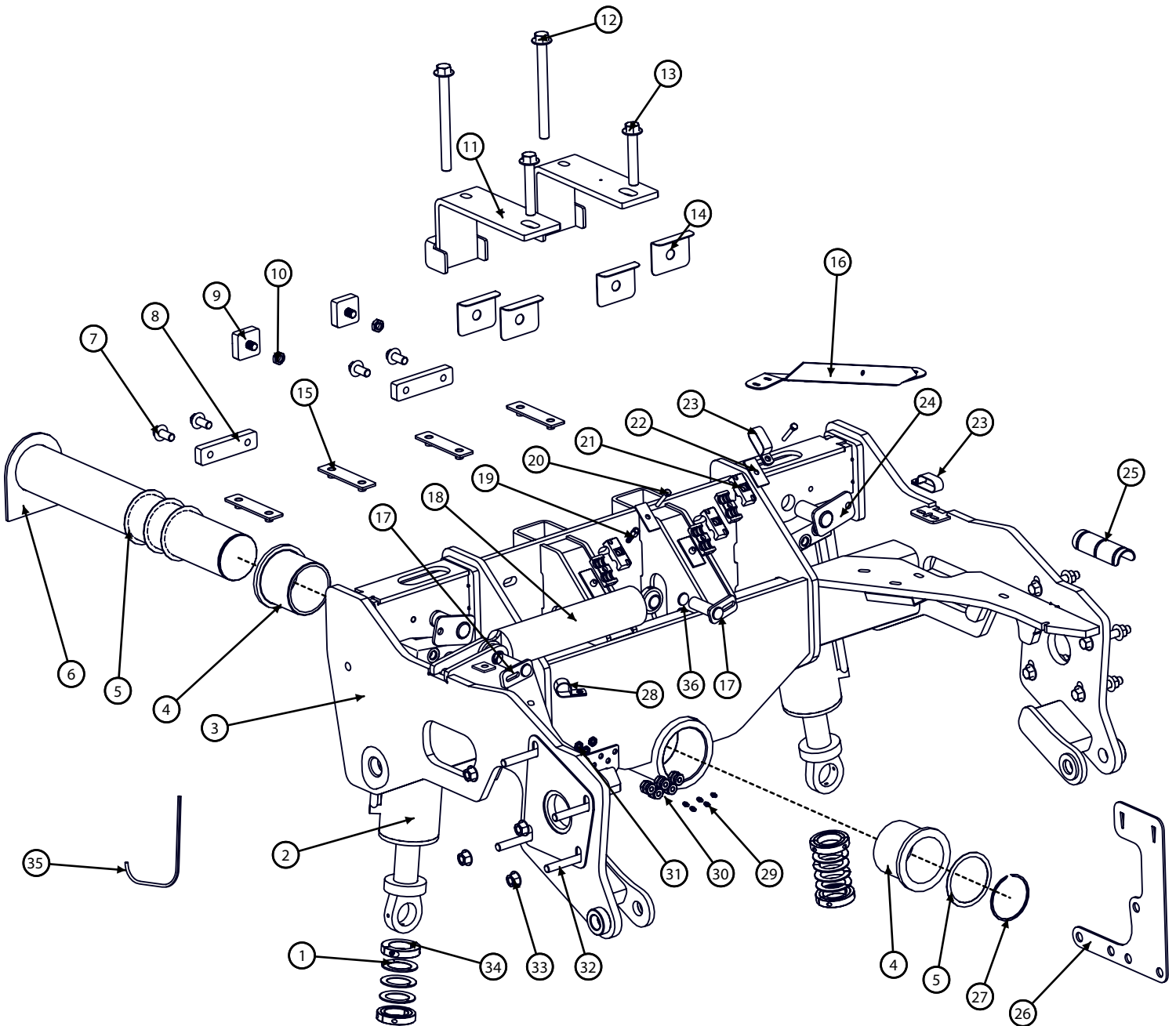
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**Overcarriage**



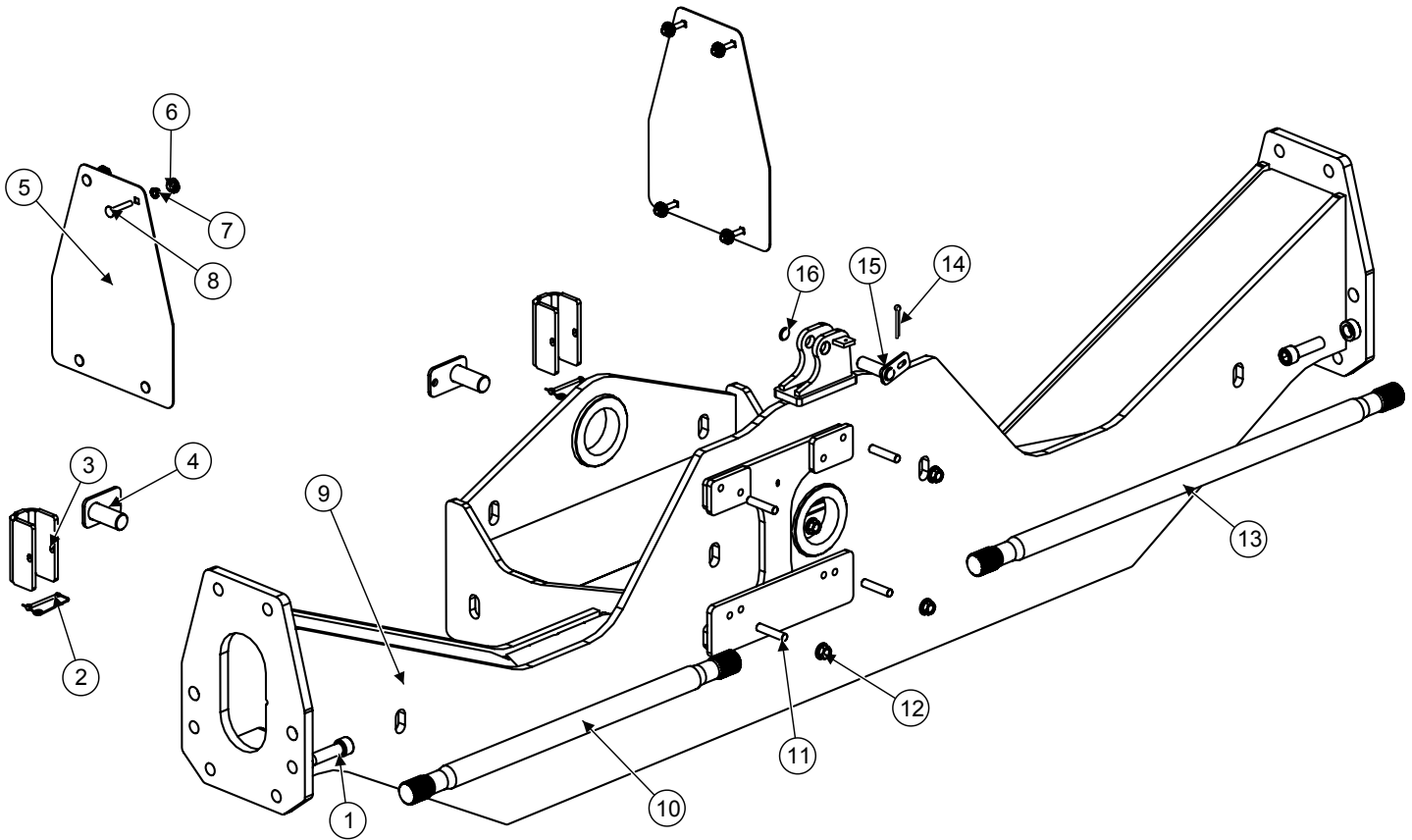
Model JH9020 Hillco Leveling System  
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| Overcarriage |             |     |                                        |
|--------------|-------------|-----|----------------------------------------|
| BOM ID       | Part No.    | Qty | Description                            |
| 1            | 137501      | 8   | WASHER, QUICK REPAIR                   |
| 2            | 155860      | 2   | CYLINDER, LEVELING, DUAL CB VALVE,     |
| 3            | 1291335     | 1   | OVERCARRIAGE                           |
| 4            | 1247961     | 2   | PIVOT BUSHING                          |
| 5            | 138641      | 4   | WASHER; 4.016ID X                      |
| 6            | 1291351     | 1   | PIVOT PIN                              |
| 7            | 122.016.035 | 4   | BOLT,HX,FL,CL10.9 M16X35               |
| 8            | 1291731     | 2   | CARRIAGE LOCK                          |
| 9            | 1293581     | 2   | UPPER CARRIAGE SHIM                    |
| 10           | 165.016     | 2   | NUT,HX,JAM,CL8 M16                     |
| 11           | 1293631     | 2   | AXLE CLAMP                             |
| 12           | 122.020.220 | 2   | BOLT,HX,FL,CL10.9 M20                  |
| 13           | 122.020.120 | 2   | BOLT,HX,FL,CL10.9 M20                  |
| 14           | 1270042     | 4   | CARRIAGE SHIM                          |
| 15           | 1293561     | 4   | LOWER CARRIAGE SHIM                    |
| 16           | 1274902     | 1   | SUPPORT, HYDRO HOSE                    |
| 17           | 1345961     | 2   | CYLINDER PIN, TRIM                     |
| 18           | 140342      | 1   | CYLINDER, CROSS PORT                   |
| 19           | 155409      | 1   | STACK BOLT, BEHRINGER                  |
| 20           | 101.005.028 | 2   | BOLT,HX,GR5 5/16-18 X 1 3/4            |
| 21           | 139481      | 3   | CLAMP, TWIN, BEHRINGER -.620           |
| 22           | 139231      | 2   | COVER PLATE,TWIN                       |
| 23           | 147781      | 2   | CLAMP, DOUBLE LOOP                     |
| 24           | 1230552     | 2   | PIN, MAIN CYLINDER                     |
| 25           | 155254      | 1   | HOSE PROTECTOR, 2.5W X 6"              |
| 26           | 1297822     | 1   | MANIFOLD SPACER                        |
| 27           | 138651      | 1   | SNAP RING; 4"                          |
| 28           | 151311      | 1   | CLAMP, RC 1-1/4"                       |
| 29           | 138011      | 5   | ZERK,STR, 1/4-28MTAPER                 |
| 30           | 155157      | 5   | BULKHEAD,GREASE,STR,                   |
| 31           | 155158      | 5   | BULKHEAD,LOCKNUT                       |
| 32           | 122.016.120 | 8   | BOLT,HX,FL,CL10.9 M16X110              |
| 33           | 123.016     | 8   | NUT,HX,FL,CL10 M16                     |
| 34           | 153241      | 4   | COLLAR, CLAMPING                       |
| 35           | 10130.00096 | 1   | VINYL EDGE TRIM AROUND HYDRAULIC HOSES |
| 36           | 148.016     | 2   | SNAP RING; 1"                          |



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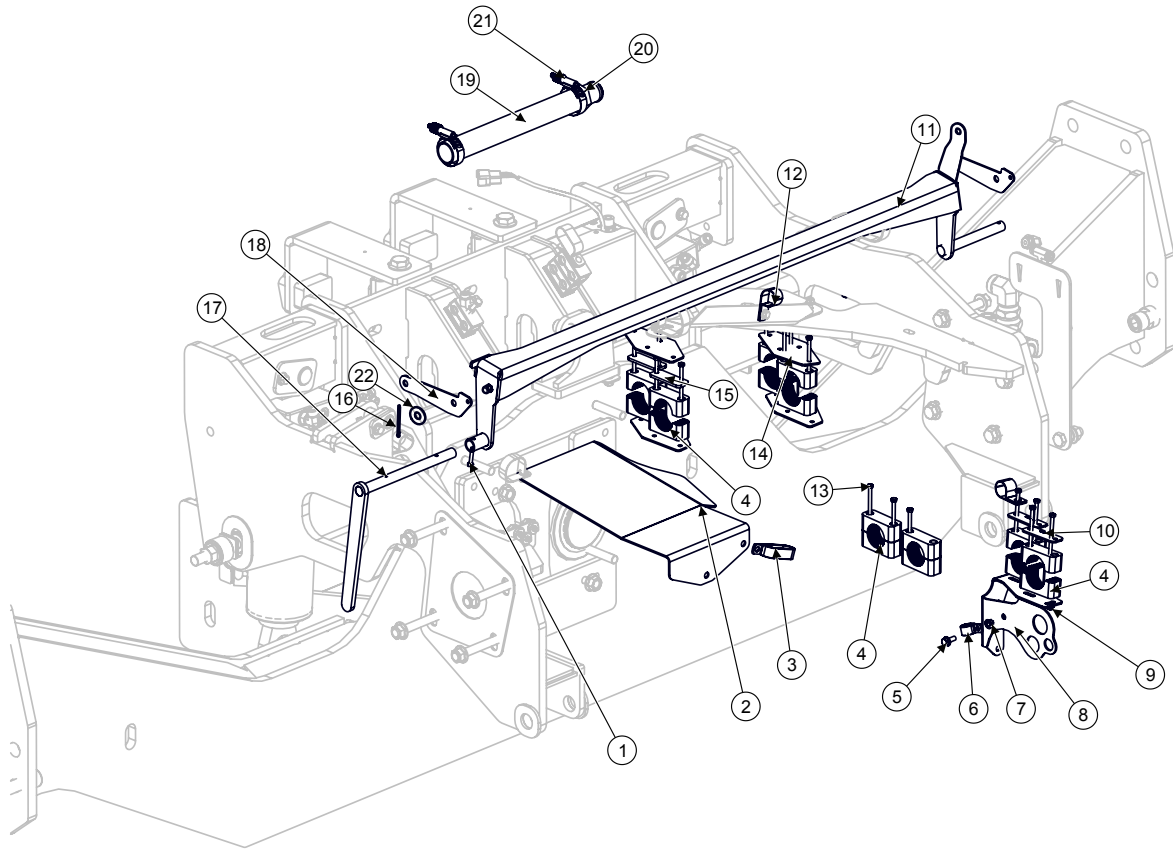
### Undercarriage



| Undercarriage |             |     |                               |
|---------------|-------------|-----|-------------------------------|
| BOM ID        | Part No.    | Qty | Description                   |
| 1             | 159.024.080 | 4   | SHCS 12.9-M24 X 3 X 80 PLT    |
| 2             | 146.004.048 | 2   | SNAP LOCK PIN 1/4 X 3         |
| 3             | 1306721     | 2   | CM PLT, CYLINDER STOP         |
| 4             | 1230552     | 2   | CM PIN ASM, MAIN CYLINDER     |
| 5             | 1293831     | 2   | CM SHT, CAP, AXLE             |
| 6             | 151021      | 8   | BUSHING, PLASTIC (JD#Z31550)  |
| 7             | 123.010     | 8   | FLHN-10.9 M10 X 1.50          |
| 8             | 163.010.050 | 8   | CARR-8.8M10X1.5X50 HEAD SCREW |
| 9             | 1291432     | 1   | CU WLD, UNDERCARRIAGE, 122.5  |
| 10            | 151531      | 1   | SHAFT, DRIVE 951MM            |
| 11            | 155.016.075 | 4   | STUD, DOUBLE-10.9 M16X2.00X75 |
| 12            | F-HNF-16ME  | 4   | FLHN-10.9M16X2.0              |
| 13            | 151541      | 1   | SHAFT, DRIVE 1228MM           |
| 14            | 142.004.048 | 1   | BOLT,HX,FL,CL10.9 M10X20      |
| 15            | 1345961     | 1   | CYLINDER PIN, TRIM            |
| 16            | 148.016     | 2   | SNAP RING; 1"                 |

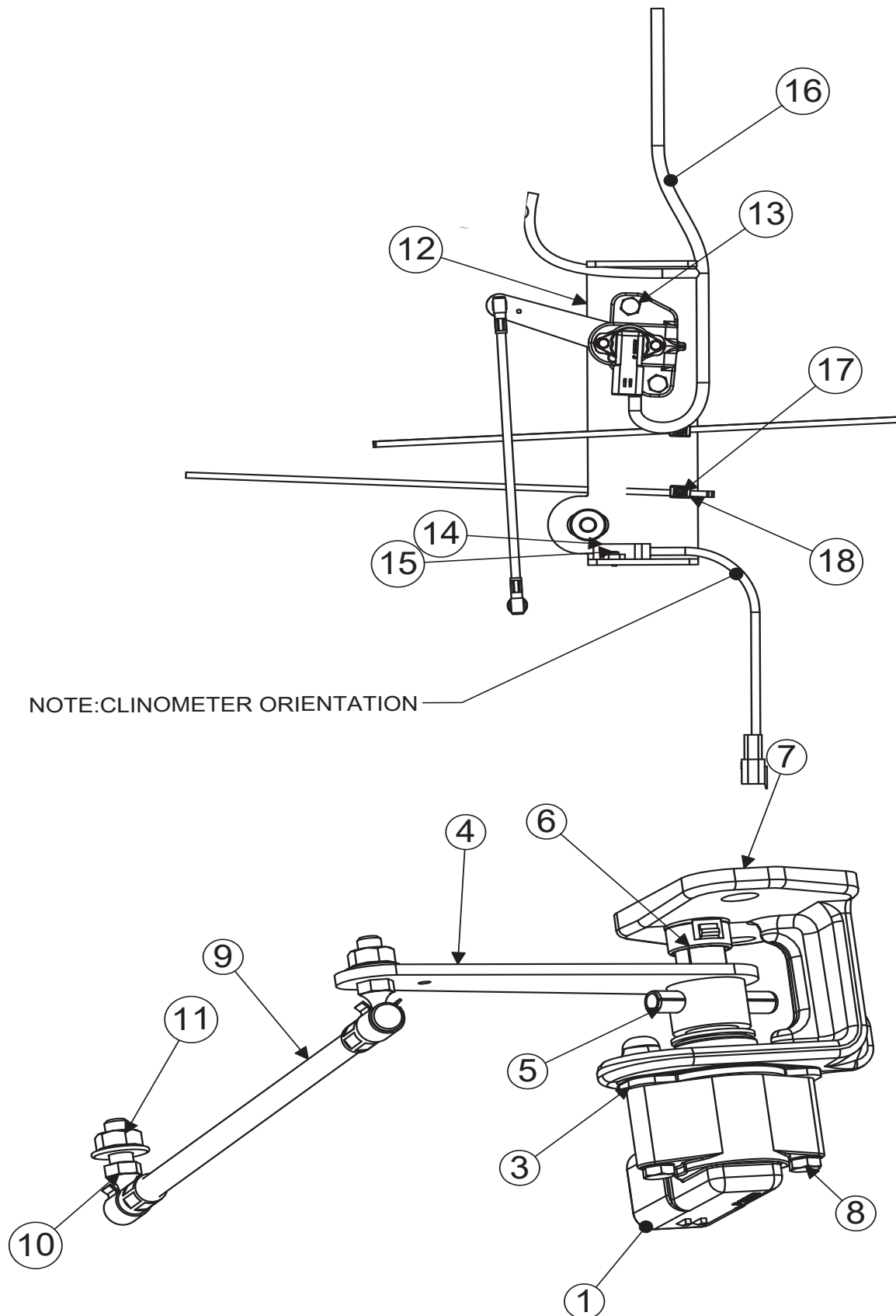
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**Carriage Misc. Parts**



| Overcarriage Misc. |             |     |                                            |
|--------------------|-------------|-----|--------------------------------------------|
| BOM ID             | Part No.    | Qty | Description                                |
| 1                  | 121.006.035 | 1   | HC-10.9 M6x1.0X35                          |
| 2                  | 1274252     | 1   | HM PLT, TABLE HYDRO HOSE                   |
| 3                  | 1151781     | 1   | CLAMP, P-STYLE (JD#AH77884)                |
| 4                  | 15571       | 8   | CLAMP, TUBE, 1-3/4" BEHRINGER STD          |
| 5                  | 122.008.025 | 1   | BOLT,HX,FL,CL10.9 M8X25                    |
| 6                  | 135791      | 1   | CLAMP, HOSE 7/8 R/C W 3/8HOLE (JD#AH78237) |
| 7                  | 123.008     | 1   | FLHN-10.9M8X1.25                           |
| 8                  | 1297312     | 1   | LM WLD, HYDRO HOSE SUPPORT                 |
| 9                  | 123.006     | 4   | NUT,HX,FL,CL10 M6                          |
| 10                 | 140651      | 2   | BEHRINGER STD COVER PLATE                  |
| 11                 | 1264512     | 1   | LM ASM, LINKAGE, ROCK TRAP                 |
| 12                 | 143601      | 2   | CLAMP, HOSE 1-1/8" R/C W 3/8               |
| 13                 | 170.006.090 | 15  | BOLT,HX,CL8.8 M6X90                        |
| 14                 | 1274231     | 4   | HM PLT, HYDRO HOSE SUPPORT                 |
| 15                 | 1276391     | 2   | HM CLAMP SPACER                            |
| 16                 | 142.002     | 1   | PIN, COTTER 1/8"x2"                        |
| 17                 | 1264501     | 1   | HANDLE, ROCK TRAP                          |
| 18                 | 1290742     | 2   | LM SHT, ROCK TRAP LINKAGE, UPPER           |
| 19                 | 1276351     | 1   | HOSE, 1-1/2" BELLOWSFLEX HARDWALL 14"      |
| 20                 | 1063.24.24  | 1   | UNION, -24MB x -24MB                       |
| 21                 | 152061      | 3   | CLAMP, HOSE, WORM GEAR, 1.5" TO 2.5"       |
| 22                 | 105.008     | 2   | WASHER, FLAT 1/2                           |

### ***Carriage Position Sensor***

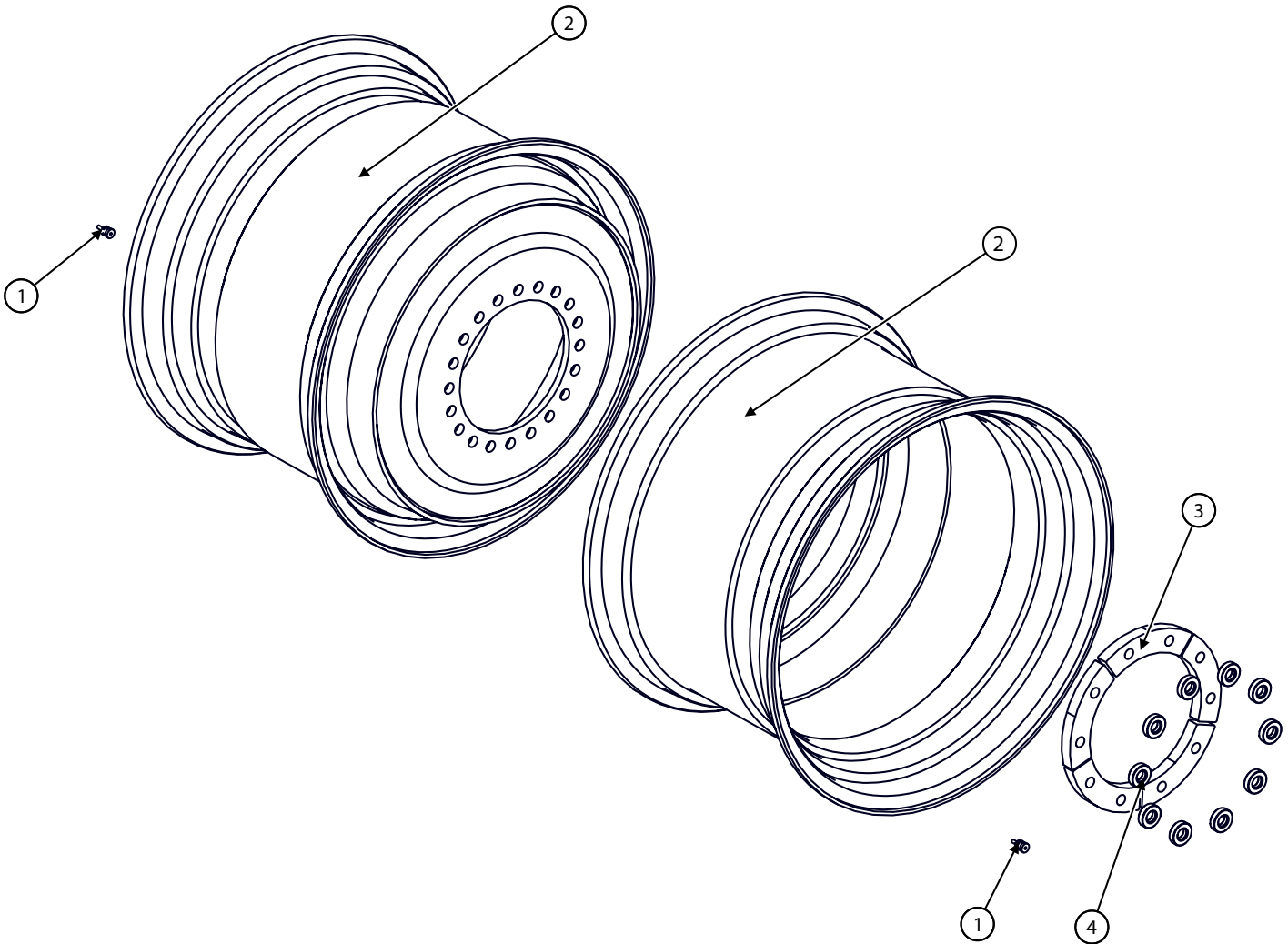


Model JH9020 Hillco Leveling System  
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| Carriage Position Sensor |                 |                     |                                    |                                      |
|--------------------------|-----------------|---------------------|------------------------------------|--------------------------------------|
| BOM ID                   | Hillco Part No. | John Deere Part No. | Qty                                | Description                          |
| 1                        | 151381          | AXE14246            | 1                                  | SENSOR, ROTATION, HALL 2CH +/-120DEG |
| 2                        | 151391          | P48347              | 1                                  | O-RING, 11/16ID                      |
| 3                        | 151401          | AXE14888            | 1                                  | SENSOR SHAFT, ROUGH SERVICE DEVICE   |
| 4                        | 151371          | AXE17303            | 1                                  | ARM, TILT SENSOR                     |
| 5                        | 201.006.036     |                     | 1                                  | PIN, ROLL M6X36                      |
| 6                        | 151361          | R41076              | 1                                  | BUSHING,                             |
| 7                        | 151321          | HXE16001            | 1                                  | BRACKET, SENSOR                      |
| 8                        | 170.004.035     | 19M9368             | 2                                  | BOLT, HX, CL8.8 M4                   |
| 9                        | 151331          | AH226146            | 1                                  | LINKAGE, POSITION                    |
| 10                       | 151341          | H168732             | 1                                  | BALL STUD                            |
| 11                       | 123.006         | 14M7303             | 2                                  | NUT HX,FL,CL10,M6 X 1.0              |
| 12                       | 1347272         |                     | 1                                  | EM WLD SENSOR MNT                    |
| 13                       | 178.008.010     |                     | 2                                  | BOLT, HX,CL8.8, M8X10                |
| 14                       | 1347142         |                     | STUD,DBL-<br>END,CL10.<br>9 M16X90 | CA HAR CLINOMETER                    |
| 15                       | 114.#06.006     |                     | 2                                  | SCREW,PHM,CH 6-32X1/4                |
| 16                       | 1347161         |                     | 1                                  | PRT SENSOR PACKAGE                   |
| 17                       | 115.#06.004     |                     | 2                                  | SCREW,PHM,SH 6-32X1/4                |
| 18                       | 153641          |                     | 2                                  | CABLE TIE MOUNT, WHITE               |
| 19                       | 141341          | H-77698             | 2                                  | WIRE TIE, BLK, 3/16X15               |

Model JH9020 Hillco Leveling System  
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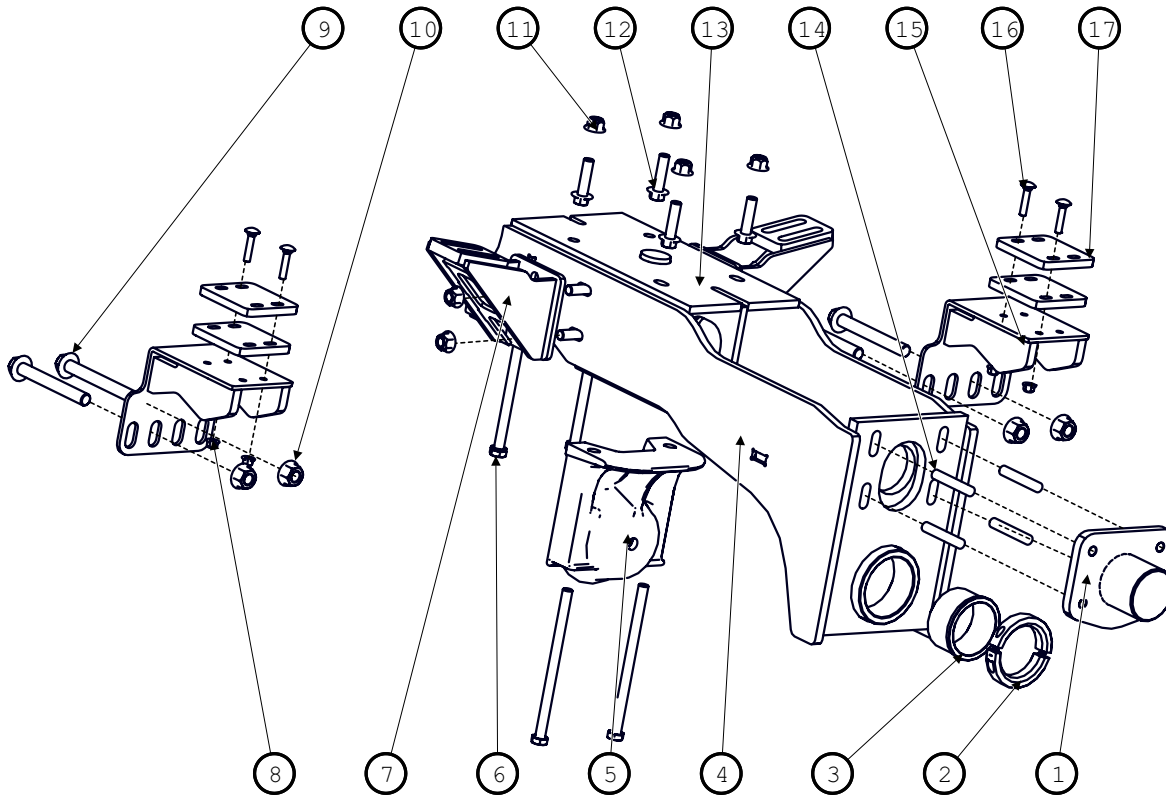
**DRIVE WHEEL**



| DRIVE WHEEL COMPONENTS |                        |      |                                   |                          |
|------------------------|------------------------|------|-----------------------------------|--------------------------|
| REF.                   | PART NO.               | QTY. | PART NAME                         | NOTES                    |
| 1                      | MC-143921              | 4    | VALVE STEM                        | FOR 24.5 x 32 TIRE ONLY  |
| NS                     | 155450                 | 4    | WHL 38XDW23A 10-13.189 -14.5      | FOR 650/65R38 TIRE       |
| 2                      | MC-143131              | 4    | 32 X 21 SINGLE PIECE WHEEL        | FOR 24.5 X 32 TIRE       |
| 3 & 4                  | 1265962                | 2    | SET, WHEEL CLAMPING RING ASSEMBLY | ASSEMBLY, 1 SET PER SIDE |
| 3                      | 1260113                | 10   | RING, WHEEL CLAMPING              | 5 PER SET                |
| 4                      | 1330901                | 20   | WASHER                            | 10 PER SET               |
| STEER WHEEL COMPONENTS |                        |      |                                   |                          |
| NS                     | JD PART NO<br>AXE10349 |      | 4 WD REAR WHEEL                   | JOHN DEERE SUPPLIED PART |
| NS                     | JD PART NO<br>AT25226  |      | REAR WHEEL VALVE STEM             | JOHN DEERE SUPPLIED PART |

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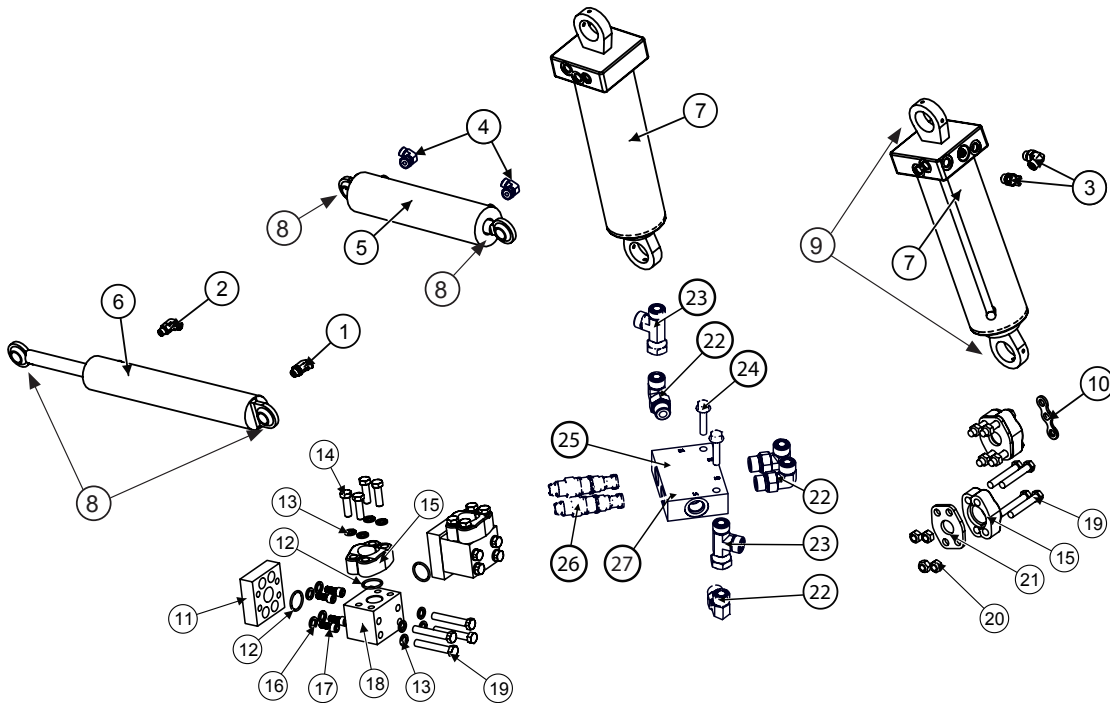
**DROP AXLE**



| Drop Axle |             |     |                                |
|-----------|-------------|-----|--------------------------------|
| BOM ID    | Part No.    | Qty | Description                    |
| 1         | 1291071     | 1   | PIVOT PIN                      |
| 2         | 145491      | 1   | COLLAR, CLAMPING 3-1/2 X 4-3/4 |
| 3         | 1235092     | 1   | BUSHING, PIVOT                 |
| 4         | 1291022     | 1   | DROP AXLE                      |
| 5         | 152471      | 1   | STAND-OFF, REAR AXLE           |
| 6         | 121.016.250 | 4   | M16X250                        |
| 7         | 1313541     | 2   | WING                           |
| 8         | 128.010     | 4   | NUT, HX, FL, STV, CL10 M10     |
| 9         | 122.020.160 | 4   | M20x160                        |
| 10        | 123.020     | 4   | NUT, HX, FL, CL10 M20          |
| 11        | 128.016     | 8   | NUT, HX, FL, STV, CL10 M16X2.  |
| 12        | 122.016.060 | 4   | M16X60                         |
| 13        | 122.016.050 | 4   | M16X50                         |
| 14        | 155.016.090 | 4   | STUD, DBL-END, CL10.9 M16X90   |
| 15        | 1299792     | 2   | ROTATION STOP                  |
| 16        | 163.010.050 | 4   | M10x50                         |
| 17        | 1299892     | 4   | ROTATION STOP 16°              |

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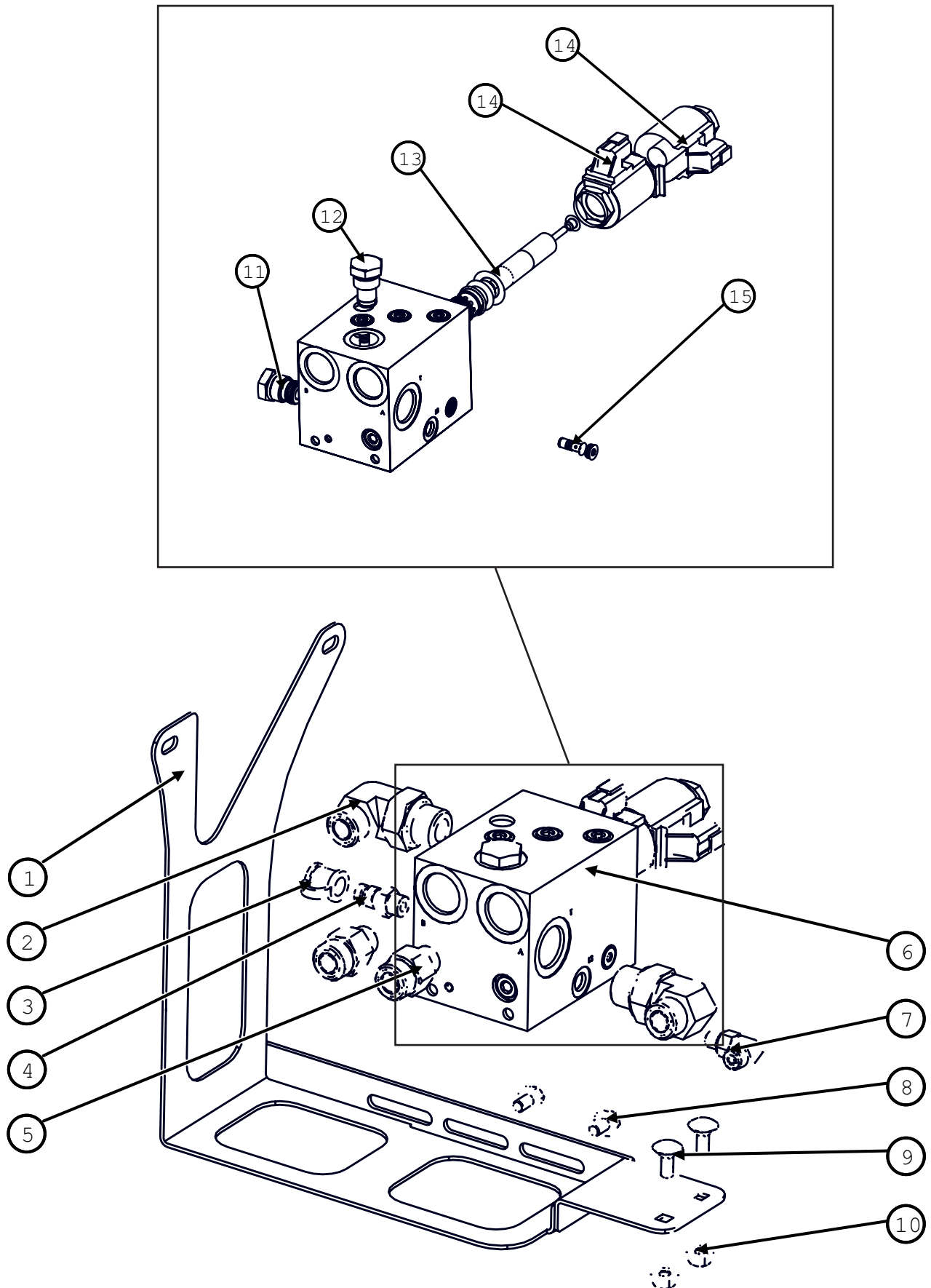
## Hydraulic Components



| Hydraulic Components |             |     |                                                          |
|----------------------|-------------|-----|----------------------------------------------------------|
| BOM ID               | Part No.    | Qty | Description                                              |
| 1                    | 1002.06.06  | 2   | #6 MORS X #6 MORB 45 DEG                                 |
| 2                    | 1003.06.06  | 2   | ELBOW, 90°, 6MF x 6MO                                    |
| 3                    | 1003.08.08  | 3   | ELBOW, 90°, #8MORS#8MORB                                 |
| 4                    | 1006.06.06  | 5   | 90, -6FORFS X -6MORFS                                    |
| 5                    | 140342      | 2   | MASTER CYLINDER, 3"B, 8-3/4"S,1-3/8"R, 17-1/4"CPC, CROSS |
| NS                   | HC-134201   | -   | SEAL KIT, MASTER CYLINDER                                |
| 6                    | 147491      | 4   | CYLINDER,SLAVE,21"CPC                                    |
| NS                   | HC-141281   | -   | SEAL KIT, SLAVE CYLINDER                                 |
| 7                    | 155860      | 2   | LEVELING CYLINDER, 4-1/2"B,11-1/2"STROKE                 |
| NS                   | 155666      | -   | SEAL KIT, LEVELING CYLINDER                              |
| 8                    | MC-140321   | 4   | 1" BEARING, SEALED SPHERICAL                             |
| 9                    | MC-150881   | 4   | 1 3/8" BEARING, SEALED SPHERICAL                         |
| 10                   | LP-274391   | 1   | LM PLT, HYDRO HOSE SPACER                                |
| 11                   | LM-272092   | 2   | CODE 62 90° 1-1/4 ROTATIONAL ADAPTER                     |
| 12                   | 147621      | 8   | O-RING, CODE 62, 1-1/4"                                  |
| 13                   | 139.009     | 16  | LW 9/16 HD                                               |
| 14                   | 121.014.045 | 8   | HC-10.9M14 X2.0X45                                       |
| 15                   | 147611      | 8   | FLANGE, 1-1/4" CODE 62, HALF                             |
| 16                   | 135.009     | 8   | LW 9/16 HD HIGH COLLAR                                   |
| 17                   | 159.014.030 | 8   | SHCS-12.9M14X2.0X30                                      |
| 18                   | LM-272082   | 2   | HM BLOCK, CODE 62 1-1/4 90°                              |
| 19                   | 121.014.090 | 16  | HC-10.9 M14X2.0X90                                       |
| 20                   | 126.014     | 8   | HN-10.9M14X2.0 STVR                                      |
| 21                   | 1272161     | 2   | HM PLT, CODE 62 1-1/4 UNION                              |
| 22                   | 1003.08.08  | 4   | -8MORBx -8MORFS                                          |
| 23                   | 1008.08     | 2   | SWV,NUT,RUN -8ORFS                                       |
| 24                   | 122.008.040 | 2   | M8X40                                                    |
| 26                   | 155593      | 2   | CARTRIDGE,COUNTERBALANCE,                                |

Model JH9020 Hillco Leveling System  
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**Leveling Manifold**



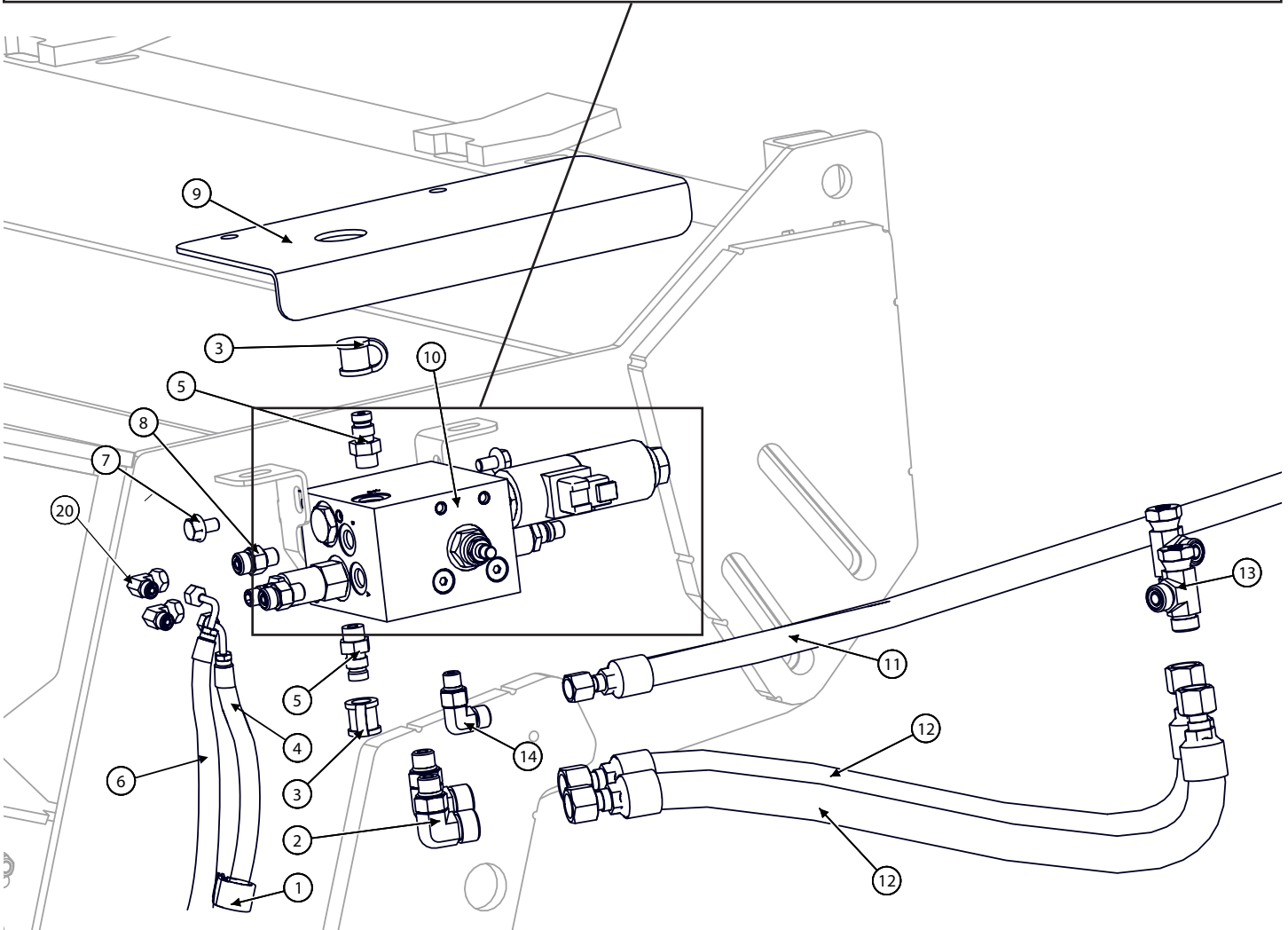
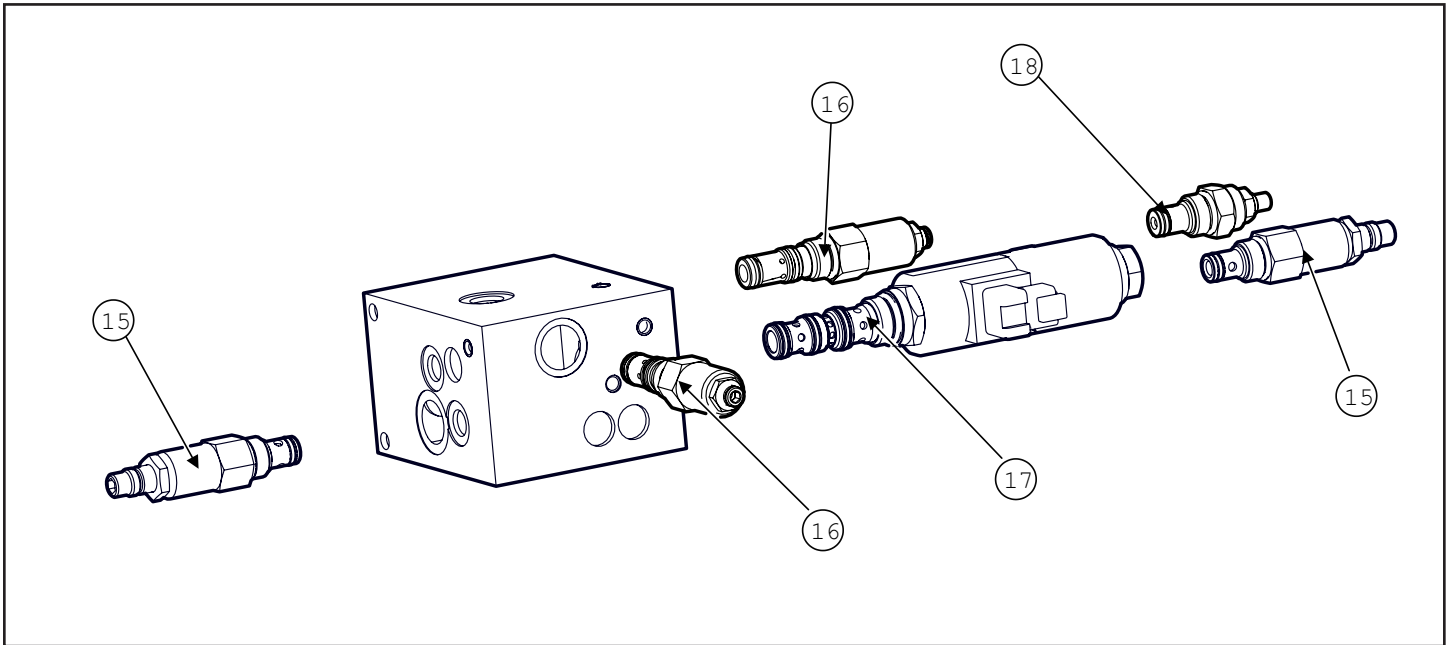


Model JH9020 Hillco Leveling System  
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| Leveling Manifold |             |     |                                                  |
|-------------------|-------------|-----|--------------------------------------------------|
| BOM ID            | Part No.    | Qty | Description                                      |
| 1                 | 1313601     | 1   | MANIFOLD MOUNT                                   |
| 2                 | 1003.12.10  | 2   | HA,90°, -12MORB X -10MORFS                       |
| 3                 | 144001      | 1   | DUST COVER                                       |
| 4                 | 143991      | 1   | COUPLER,                                         |
| 5                 | 1001.12.10  | 2   | -12MORB X -10MORFS                               |
| 6                 | 1343021     | 1   | HIGH-FLOW (COMATROL P/N11191146)                 |
| 7                 | 1003.04.04  | 1   | HA,90°                                           |
| 8                 | 111.005.008 | 2   | BOLT,HX,FL,GR5 5/16-18X1/2                       |
| 9                 | 163.008.020 | 2   | BOLT,CARR,CL8.8 M8X20                            |
| 10                | 123.008     | 2   | M8x1.25                                          |
| 11                | 155234      | 1   | CAVITY PLUG, 3 WAY, 10 SERIES                    |
| 12                | 155238      | 1   | CAVITY PLUG, 2 WAY, 10 SERIES                    |
| 13                | 155855      | 1   | CARTRIDGE VALVE,3 POS,4 WAY, PROPORTIONAL, 16GPM |
| 14                | 155854      | 2   | SOLENOID COIL,M19,PROP,DEUTSCH                   |
| 15                | 155236      | 1   | CHECK VALVE, REVERSE DIRECTION                   |

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**Header Trim Manifold**

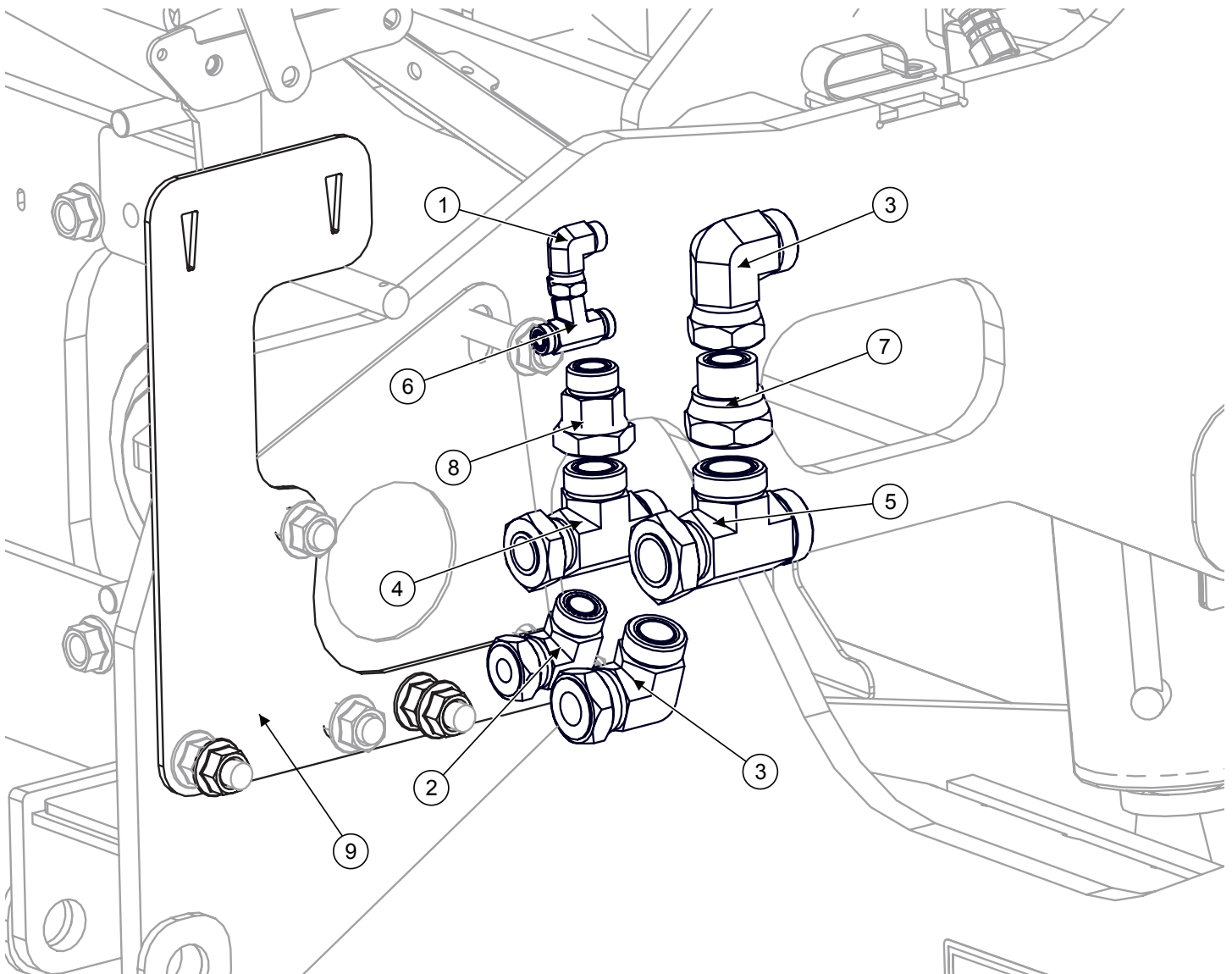


Model JH9020 Hillco Leveling System  
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| Header Trim Manifold |             |     |                                                |
|----------------------|-------------|-----|------------------------------------------------|
| BOM ID               | Part No.    | Qty | Description                                    |
| 1                    | 135791      | 2   | CLAMP, HOSE                                    |
| 2                    | 1003.08.06  | 2   | -8MORB X -6MORFS                               |
| 3                    | 144001      | 2   | DUST COVER                                     |
| 4                    | 1322112     | 1   | 100R17-04 67",                                 |
| 5                    | 143991      | 2   | COUPLER,                                       |
| 6                    | 1322101     | 1   | 100R17-04X80",                                 |
| 7                    | 111.005.008 | 2   | BOLT,HX,FL,GR5 5/16-18X1/2                     |
| 8                    | 1001.04.04  | 2   | HA,STR                                         |
| 9                    | 1316464     | 1   | SHIELD, TRIM SHIELD                            |
| 10                   | 1331781     | 1   | MANIFOLD, CUSTOM, TRIM                         |
| 11                   | 1320721     | 1   | 100R17AR-04X138",                              |
| 12                   | 1320711     | 2   | 100R17AR-06X38",                               |
| 13                   | 1008.06     | 2   | SWIVEL NUT, RUN, -6ORFS                        |
| 14                   | 1003.04.04  | 1   | HA,90°                                         |
| 15                   | 155243      | 2   | CARTRIDGE, PRESSURE RELIEF,                    |
| 16                   | 155742      | 2   | CARTRIDGE, COUNTERBALANCE CP08-3L CAVITY       |
| 17                   | 155249      | 1   | CARTRIDGE VALVE, 3 POS,4 WAY (INCLUDES 155248) |
| 18                   | HC-145501   | 1   | VALVE, NEEDLE                                  |
| 19                   | 155248      | 2   | SOLENOID COIL, CARTRIDGE, PROP                 |
| 20                   | 1006.04.04  | 2   | -4FORFS X -4MORFS 90°                          |

Model JH9020 Hillco Leveling System  
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**John Deere Header Lift Manifold Fittings**



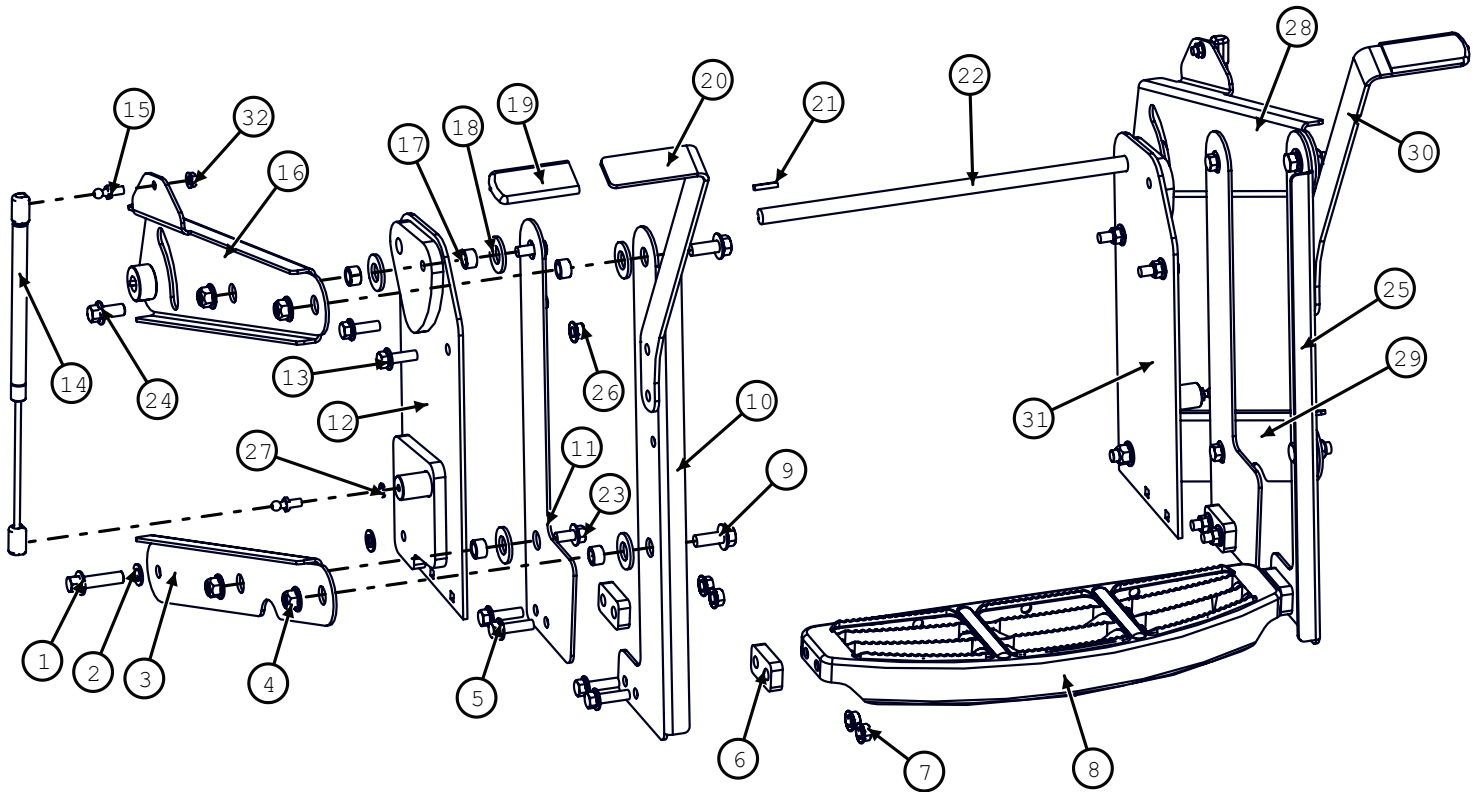
| John Deere Header Lift Manifold Fittings |            |     |                                   |
|------------------------------------------|------------|-----|-----------------------------------|
| BOM ID                                   | Part No.   | Qty | Description                       |
| 1                                        | 1006.06.06 | 1   | ELBOW, 90°, -6FF x -6MF           |
| 2                                        | 1006.12.12 | 1   | ELBOW, 90°, -12MF x -12FF         |
| 3                                        | 1006.16.16 | 2   | ELBOW, 90°, -16MF x -16FF         |
| 4                                        | 1008.16    | 1   | TEE, SWIVEL NUT, RUN, #16         |
| 5                                        | 1008.20    | 1   | TEE, SWIVEL NUT, RUN, #20         |
| 6                                        | 1008.06    | 1   | TEE, SWIVEL NUT, RUN, -6FF x -6MF |
| 7                                        | 1004.20.16 | 1   | STR, -20FF x -16MF                |
| 8                                        | 1004.16.12 | 1   | STR, 16FF x 12MF                  |
| 9                                        | 1297821    | 1   | MANIFOLD SPACER                   |

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| Hydraulic Hoses |     |                                                                             |                    |
|-----------------|-----|-----------------------------------------------------------------------------|--------------------|
| Part No.        | Qty | Where Used                                                                  | Description        |
| 1138942         | 1   | Grease Hose                                                                 | 100R1-03,          |
| 1138951         | 1   | Grease Hose                                                                 | 100R1-03, 40"      |
| 1138963         | 1   | Grease Hose                                                                 | 100R1-03, 54"      |
| 1138974         | 2   | Grease Hose                                                                 | 100R1-03, 77"      |
| 1152451         | 1   | CONNECTS YELLOW PORT TO SLAVE CYL BASE PORT ON STOCK CM EQUIPPED COMBINES   | 100R17AR-04X80",   |
| 1152461         | 1   | CONNECT C/M BLUE PORT TO ROD PORT ON STOCK CM EQUIPPED COMBINES             | 100R17AR-04X70",   |
| 1273461         | 2   | Extend Steer Hoses                                                          | 100R17AR-06X15",   |
| 1273462         | 2   | Replaces AH223259; Connect Proportionator Case Drain to Transmission        | 100R17AR-08X62",   |
| 1274141         | 1   | Reverse Hydro Hose                                                          | 797TC-20 X 124",   |
| 1293431         | 2   | Leveling Cylinder Cross Over                                                | 100R17AR-06X47",   |
| 1295602         | 2   | Leveling Manifold to Leveling Cyl                                           | 100R17AR-10X103",  |
| 1295882         | 1   | Connects Master Cyl to Slave Cyl                                            | 451TC, 3/8" X 195" |
|                 |     |                                                                             |                    |
| 1297441         | 1   | Extends AH226085 to Proportionator Pump Supply                              | 100R17AR-12X66",   |
| 1297452         | 1   | Replaces AH219243; Connects Rear Filter Port to Proportionator Motor Return | 100R17AR-10X127",  |
| 1297481         | 1   | Extends AH226119 to the Trans Lube                                          | 100R17AR-06X31",   |
| 1297641         | 1   | Extends Right Brake Hose                                                    | 100R17AR-06X78",   |
| 1297651         | 1   | Extends Left Brake Line; Extends Lube Line                                  | 100R17AR-06X60",   |
| 1297842         | 1   | Return, Manifold to Tee                                                     | 451TC, 3/4 X 60"   |
| 1297852         | 1   | Pressure, Manifold to Tee                                                   | 451TC-5/8" X 66"   |
| 1297863         | 1   | Load Sense, Manifold to Tee                                                 | 100R17AR-04X138",  |
| 1297922         | 1   | Replaces JD Hose; Connects Manifold to Tee                                  | 100R17AR-12X91",   |
| 1297933         | 1   | Replaces Left Header Lift Pressure Hose                                     | 451TC, 3/4" X 44", |
| 1298291         | 1   | Extends ProDrive Case Drain                                                 | 100R17AR-16X36",   |
| 1298322         | 1   | Replaces Right Header Lift Pressure Hose                                    | 451TC, 3/4"X42",   |
| 1298331         | 1   | Replaces the Header Lift Pressure Hose                                      | 451TC, 1"X 90",    |
| 1299191         | 1   | Extends JH Hose to Shift Block                                              | 100R17AR-04X15",   |
| 1305181         | 1   | Replaces Forward Hydro Hose                                                 | 797TC-20 121",     |
|                 |     |                                                                             |                    |
| 1320711         | 2   | CONNECT "P" & "T" PORTS OF TRIM MANIFOLD TO JD MANIFOLD                     | 100R17AR-06X38",   |
| 1320721         | 1   | TRIM MANIFOLD LOAD SENSE TO JD HDR LIFT MANIFOLD                            | 100R17AR-04X138",  |
| 1322101         | 1   | CONNECTS "B" PORT TO SLAVE CYLINDER BASE PORT                               | 100R17-04X80",     |
| 1322112         | 1   | CONNECTS ROD PORT TO A PORT OF TRIM MANIFOLD                                | 100R17-04 67",     |
| 1331391         | 1   | Connects Master Cyl to Slave Cyl                                            | 451TC, 3/8" X 175" |
|                 |     |                                                                             |                    |
| 1336991         | 2   | CONNECT COUNTER BALANCE VALVE TO LEFT LEVELING CYLINDER                     | 100R17-AR06 X 13", |
| 1348501         | 1   | EXTENDS PROPORTIONATOR MOTOR SUPPLY HOSE                                    | 100R17AR-08X60",   |

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**RETRACTABLE LADDER**



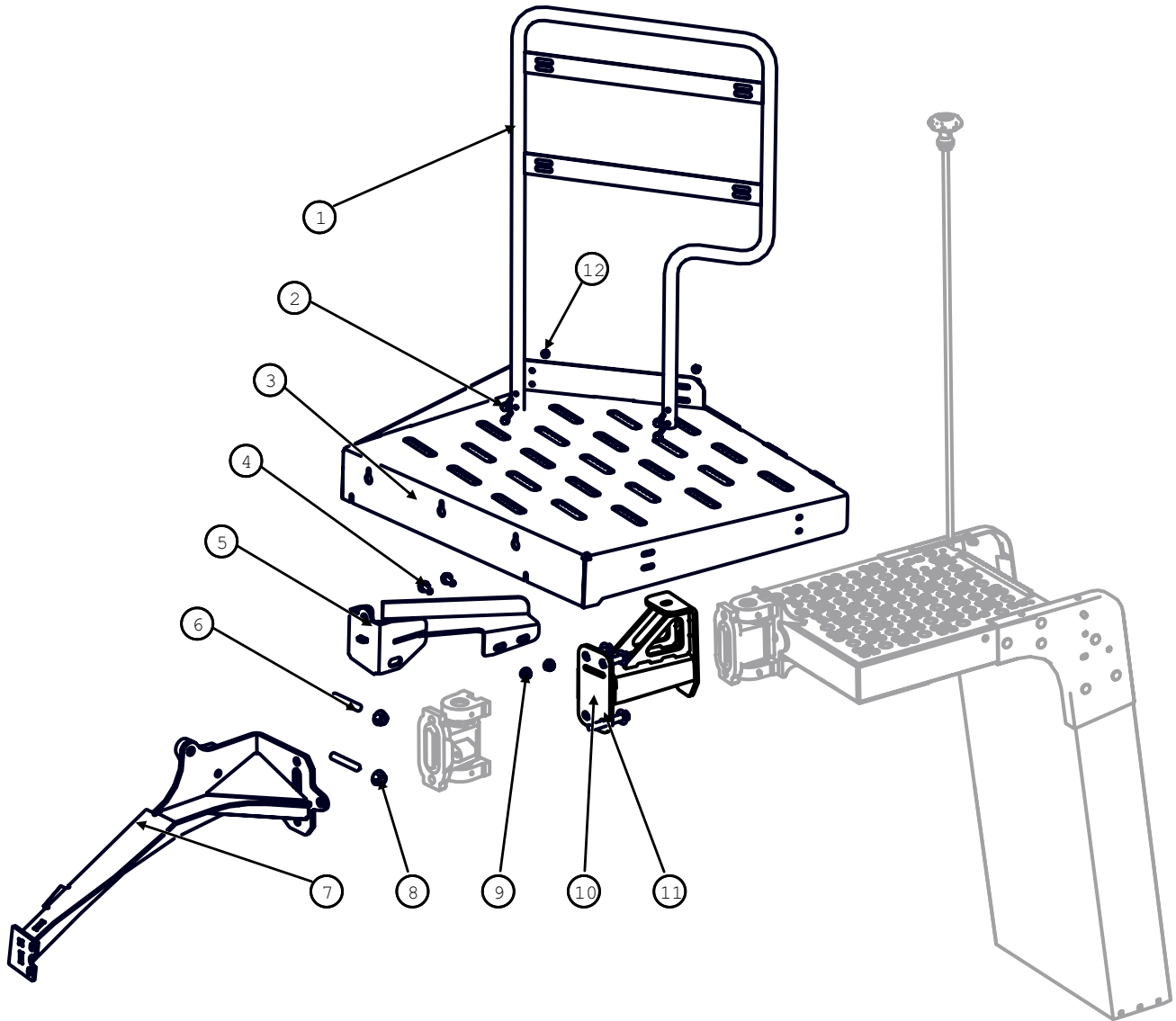
Model JH9020 Hillco Leveling System  
For Serial Numbers JH9020-20001 thru JH9020-20999

**Retractable Ladder**

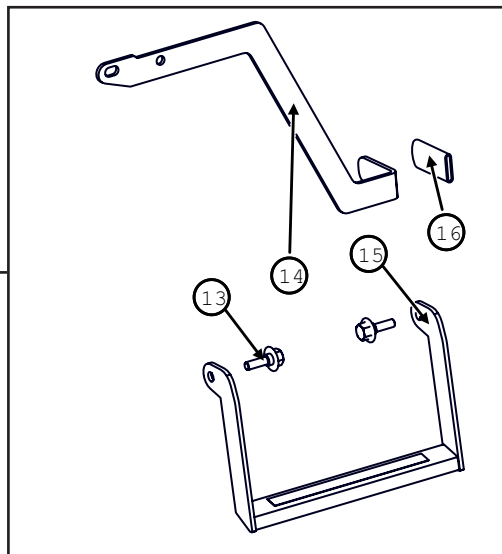
| BOM ID | Part No.       | Qty | Description                          |
|--------|----------------|-----|--------------------------------------|
| 1-32   | P500971        | 1   | ASSEMBLY, MOVING STEP (HILLSIDE)     |
| 1      | 122.012.045    | 2   | FLHC-10.9M12X1.75X45                 |
| 2      | 162.014.008    | 4   | MACHINE BUSHING 14GA NR 1/2ID        |
| 3      | 1329802        | 1   | LM LINK, LWR RIGHT PARALLEL          |
| 4      | 128.012        | 10  | FLHN-10.9M12X1.75 STVR               |
| 5      | 122.010.035    | 8   | SCREW, FLANGED HEX CAP, 10.9         |
| 6      | 1300191        | 4   | LM SPACER, STEP                      |
| 7      | 123.010        | 12  | FLHN-10.9 M10 X 1.50                 |
| 8      | 152601         | 1   | STEP, PLATFORM, STEP (HXE19816)      |
| 9      | 122.012.030    | 4   | FLHC-10.9 M12X1.75X30                |
| 10     | 1330281        | 1   | LM PLT, VERTICAL OUTER RIGHT         |
| 11     | 1300112        | 2   | LM LINK, VERTICAL INNER              |
| 12     | 1300061        | 1   | LM WLD, RHT LADDER MNT               |
| 13     | 122.010.030    | 4   | FLHC 10.9 M10 X 1.5 X 30             |
| 14     | 155327         | 2   | STRUT, LIFT, 100LB, 15OPC, 6" STROKE |
| 15     | 134931         | 4   | LIFT SUPPORT BRACKETS (PAIR)         |
| 16     | 1329871        | 1   | LM WLD, TOP RIGHT LINK               |
| 17     | 1299181        | 10  | LM BUSHING, LADDER PIVOT             |
| 18     | 153.010.012    | 10  | MACHINE BUSHING 10GA WR 3/4ID        |
| 19     | 151921         | 2   | GRIP, JD#W25634                      |
| 20     | 1306352        | 1   | LM PLT, HANDLE, LEFT                 |
| NS     | 1316512        | 1   | LM PLT, HANDLE, LEFT - SHORT         |
| 21     | 10049.03.00016 | 2   | KEY, STR, 3/16 X 3/16 X 1            |
| 22     | 1298191        | 1   | LM RND, ROCK SHAFT                   |
| 23     | 122.012.030    | 4   | FLHC-10.9M10X1.75X20                 |
| 24     | 122.012.025    | 2   | FLHC-10.9M12X1.75X25                 |
| 25     | 1330291        | 1   | LM PLT, VERTICAL OUTER LEFT          |
| 26     | 123.010        | 4   | FLHN-10.9M10X1.5 STVR                |
| 27     | 136.005        | 2   | LOCK WASHER 5/16"                    |
| 28     | 1329841        | 1   | LM WLD, TOP LEFT LINK                |
| 29     | 1329812        | 1   | LM LINK, LWR LEFT PARALLEL           |
| 30     | 1300183        | 1   | LM PLT, LADDER HANDLE RIGHT          |
| NS     | 1316502        | 1   | LM PLT, HANDLE, RIGHT - SHORT        |
| 31     | 1300051        | 1   | LM WLD, LEFT LADDER MNT              |
| 32     | 119.005        | 2   | FLHN 5/16-18                         |

Model JH9020 Hillco Leveling System  
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***Ladder Wedge & Service Ladder Extension***



Engine Deck Service Step





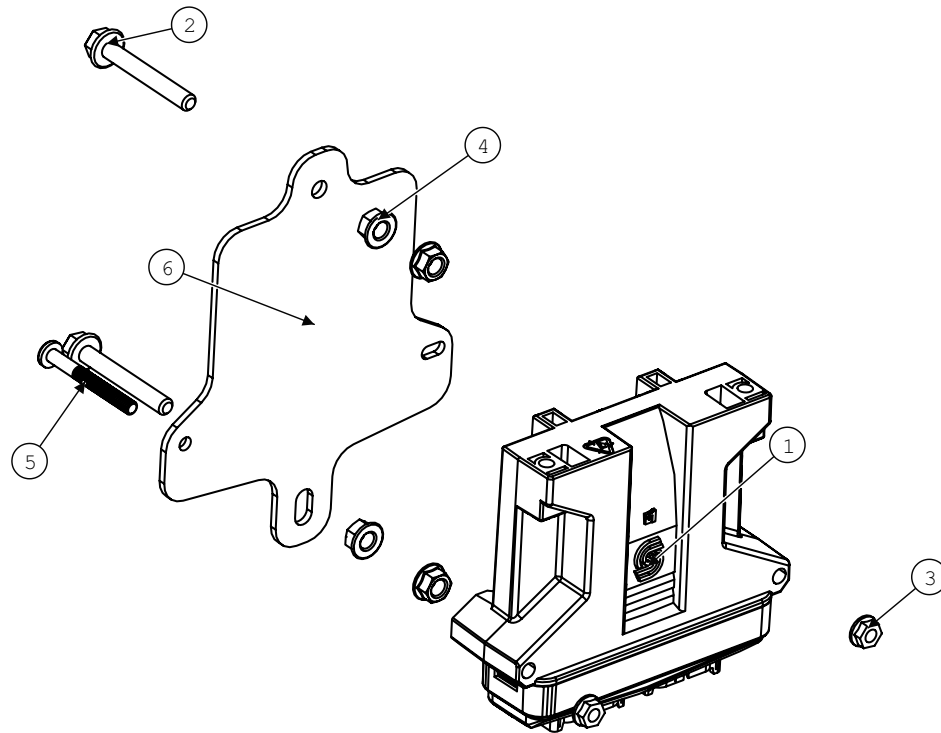
Model JH9020 Hillco Leveling System  
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**Ladder Wedge**

| <b>BOM ID</b>                   | <b>Part No.</b> | <b>Qty</b> | <b>Description</b>               |
|---------------------------------|-----------------|------------|----------------------------------|
| 1                               | 1346971         | 1          | HANDRAIL 700SERIES               |
| 2                               | 122.008.050     | 4          | M8X50                            |
| 3                               | 1343161         | 1          | PLATFORM, DUAL TIRE              |
| 4                               | 122.012.035     | 2          | M12X35                           |
| 5                               | 1343141         | 1          | PIVOT LOCKOUT                    |
| 6                               | 155.016.090     | 2          | STUD, DOUBLE-10.9                |
| 7                               | 1342721         | 1          | INNER PLATFORM BEAM              |
| 8                               | 128.016         | 2          | M16x2.0                          |
| 9                               | 123.012         | 2          | NUT,HX,FL,CL10 M12               |
| 10                              | 1343091         | 1          | 10" PIVOT EXTENSION              |
| 11                              | 122.016.060     | 3          | M16X60                           |
| 12                              | 123.008         | 4          | M8x1.25                          |
| <b>Engine Deck Service Step</b> |                 |            |                                  |
| 13-16                           | 1340581         | 1          | SERVICE LADDER EXTENSION         |
| 13                              | 1348281         | 2          | SERVICE LADDER HINGE             |
| 14                              | 1340591         | 1          | HANDLE, SERVICE LADDER EXTENSION |
| 15                              | 1340571         | 1          | SERVICE LADDER EXTENSION         |
| 16                              | 151921          | 1          | GRIP                             |

Model JH9020 Hillco Leveling System  
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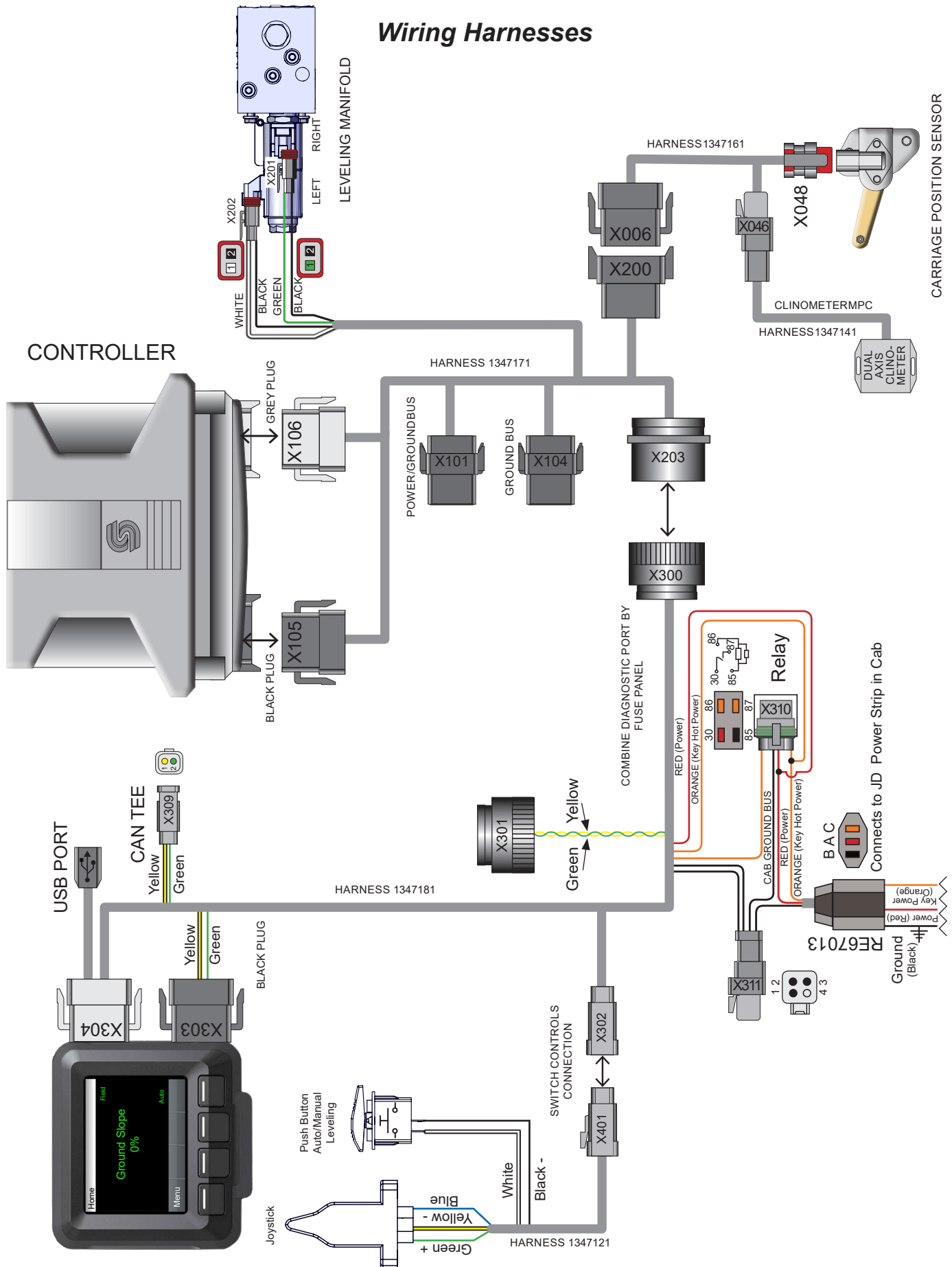
### Controller Harnesses



| Electrical Components |             |     |                                                    |
|-----------------------|-------------|-----|----------------------------------------------------|
| BOM ID                | Part No.    | Qty | Description                                        |
| 1                     | 155713      | 1   | CONTROLLER, DANFOSS PLUS 1-24 PIN, PROGRAM 1346642 |
| 2                     | 122.008.060 | 2   | FLHC-M08X1.25X60                                   |
| 3                     | 119.004     | 2   | PHMS-GR5-1/4-20 X 2-1/4"                           |
| 4                     | 123.008     | 4   | FLHN 10.9 M8 X 1.25                                |
| 5                     | 114.004.036 | 2   | SCREW,PHM,CH,SERR                                  |
| 6                     | 1295201     | 1   | EM PLT, CONTROLLER MNT                             |

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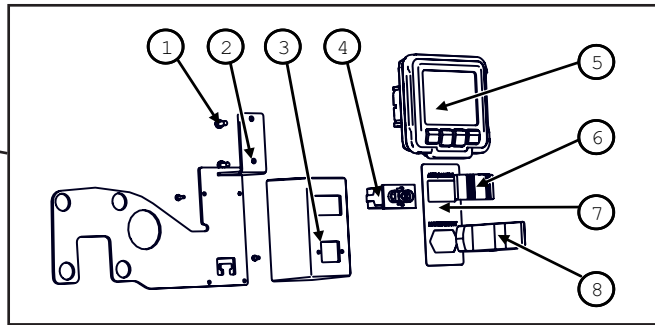
## Wiring Harnesses



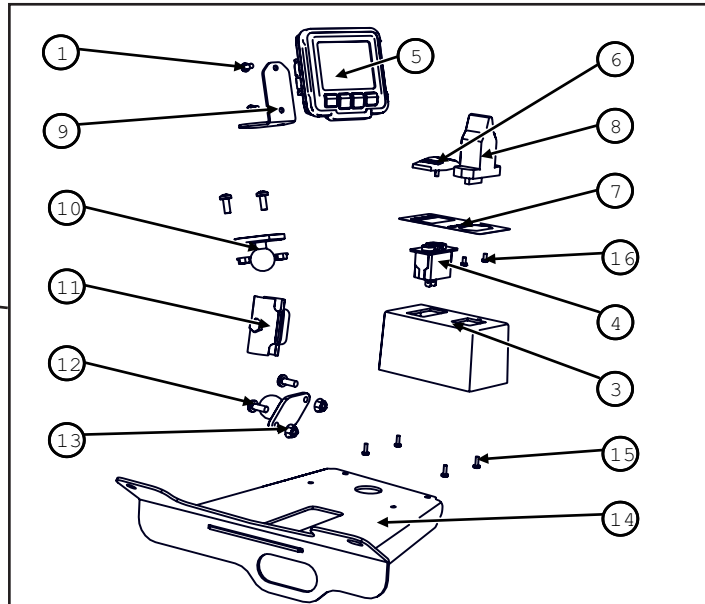
Model JH9020 Hillco Leveling System  
For Serial Numbers JH9020-20001 thru JH9020-20999

**Monitor**

S700 SERIES



S600 SERIES



| Electrical Components |             |     |                                                                                                            |
|-----------------------|-------------|-----|------------------------------------------------------------------------------------------------------------|
| BOM ID                | Part No.    | Qty | Description                                                                                                |
| 1                     | 171.005.010 | 2   | SCREW,PHM,CH M5X10                                                                                         |
| 2                     | 1347231     | 1   | MOUNT, 700 SERIES LEVELER CONTROLS                                                                         |
| 3                     | 1346991     | 1   | BOX, SWITCH MOUNT                                                                                          |
| 4                     | 155785      | 1   | SWITCH, SPST MOMENTARY                                                                                     |
| 5                     | 155685      | 1   | DISPLAY, CC PILOT, 3.5" VI, 16MB<br>PROGRAM 1347422 FOR S600 COMBINES<br>PROGRAM 1347132 FOR S700 COMBINES |
| 6                     | EC-149581   | 1   | CONTURA BLACK ACTUATOR WAYTEK 44361                                                                        |
| 7                     | 155796      | 1   | DECAL, SWITCH BOX, LEVELING SYSTEM                                                                         |
| 8                     | 155784      | 1   | JOYSTICK, SINGLE AXIS                                                                                      |
| 9                     | 1347581     | 1   | DISPLAY MOUNT                                                                                              |
| 10                    | 153851      | 2   | RAM 2-7/16" X 1-5/16" BASE W/ 1" BALL                                                                      |
| 11                    | 153871      | 1   | RAM, DBL SOCKET ARM FOR 1" BALL, 2" SOCKET TO SOCKET<br>LENGTH                                             |
| 12                    | 171.006.016 | 4   | SCREW,PHM,CH M6X16                                                                                         |
| 13                    | 123.006     | 4   | M6 X 1.0                                                                                                   |
| 14                    | 1347561     | 1   | MONITOR MOUNT, S                                                                                           |
| 15                    | 114.#06.006 | 4   | SCREW,PHM,CH 6-32X3/8                                                                                      |
| 16                    | 171.003.006 | 2   | SCREW,PHM,CH M3X6                                                                                          |

Model JH9020 Hillco Leveling System  
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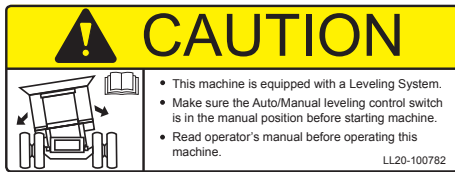
**Decals and Literature**



1) LL-133741



2) LL-151041



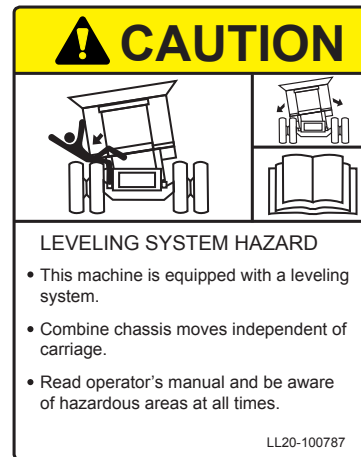
3) LL20-100782



5) LL20-100784



4) LL20-100783



7) LL20-100787



6) LL20-100786



8) LL20-100788



9) LL-143621

Model JH9020 Hillco Leveling System  
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| DECALS AND LITERATURE |                |      |                                    |                                                 |
|-----------------------|----------------|------|------------------------------------|-------------------------------------------------|
| REF.                  | PART NO.       | QTY. | PART NAME                          | DESCRIPTION                                     |
| 1                     | LL-133741      | 1    | LABEL, GREASE 50 HRS               | OC BULKHEAD                                     |
| 2                     | LL-133741      | 2    | LABEL, GREASE 50 HRS               | RIGHT & LEFT MAIN LEV CYL BOTTOM                |
| 1                     | LL-133741      | 1    | LABEL, GREASE 50 HRS               | MASTER CYLINDER ROD                             |
| 2                     | LL-151041      | 2    | DECAL, HILLSIDE LEVELING SYSTEM    | SIDE OF COMBINE                                 |
| 3                     | LL20-100782    | 1    | CAUTION LEVELING SYSTEM CAB        | WINDOW IN CAB                                   |
| 4                     | LL20-100783    | 2    | DANGER, CRUSHING HAZARD            | RIGHT & LEFT UNDERCARRIAGE                      |
| 4                     | LL20-100783    | 2    | DANGER, CRUSHING HAZARD            | SIDES OF DROP AXLE ASSEMBLY                     |
| 5                     | LL20-100784    | 2    | DECAL, DANGER PINCH POINT          | RIGHT & LEFT UPPER TRANS FACE PLT               |
| 6                     | LL20-100786    | 1    | WARNING ELECTRICAL CRUSHING HAZARD | FRONT OF ELECTRICAL CONTROL BOX                 |
| 7                     | LL20-100787    | 1    | CAUTION - LEVELING SYSTEM HAZARD   | ON LADDER PLATFORM                              |
| 8                     | LL20-100788    | 1    | DANGER - HYDRAULIC HAZARD          | ON SIDE OF COMBINE ABOVE THE HYDRAULIC MANIFOLD |
| 8                     | LL20-100788    | 2    | DANGER - HYDRAULIC HAZARD          | FOR EACH LEVELING CYLINDER                      |
| 9                     | LL-143621      | 2    | DANGER, AVOID CRUSHING INJURY      | IN AREA NEAR SAFETY STOP STORAGE LOCATION       |
| NS                    | LL-147651      | 1    | LABEL, FEMA MEMBER TAG             | NEAR SERIAL NUMBER TAG                          |
| NS                    | LA-255961      | 1    | TAG, SERIAL NUMBER                 |                                                 |
| NS                    | LL-289641      | 1    | CM LABEL, MECHANICAL CYLINDER STOP |                                                 |
| NS                    | D-120613CMA01D | 1    | MANUAL, PARTS                      |                                                 |
| NS                    | D-120427MCA01C | 1    | MANUAL, OPERATORS                  | SN 16001-16999                                  |
| NS                    | D-050611SLR01  | 1    | WARRANTY REGISTRATION CARD         |                                                 |
| NS                    | LL-239412      | 1    | LABEL, STEERING WHEEL              | TIED TO STEERING WHEEL DURING INSTALLATION      |
| NS                    | D-120412CMA01  | 3    | DEALER PDI & INSTALL CHECKLIST     |                                                 |

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***Notes***

Hillco Technologies, Inc.  
107 1st Avenue  
Nezperce, Idaho 83543

|       |              |
|-------|--------------|
| Phone | 800-937-2461 |
|       | 208-937-2461 |
| Fax   | 208-937-2280 |

[www.hillcotechnologies.com](http://www.hillcotechnologies.com)  
email: [support@hillcotechnologies.com](mailto:support@hillcotechnologies.com)