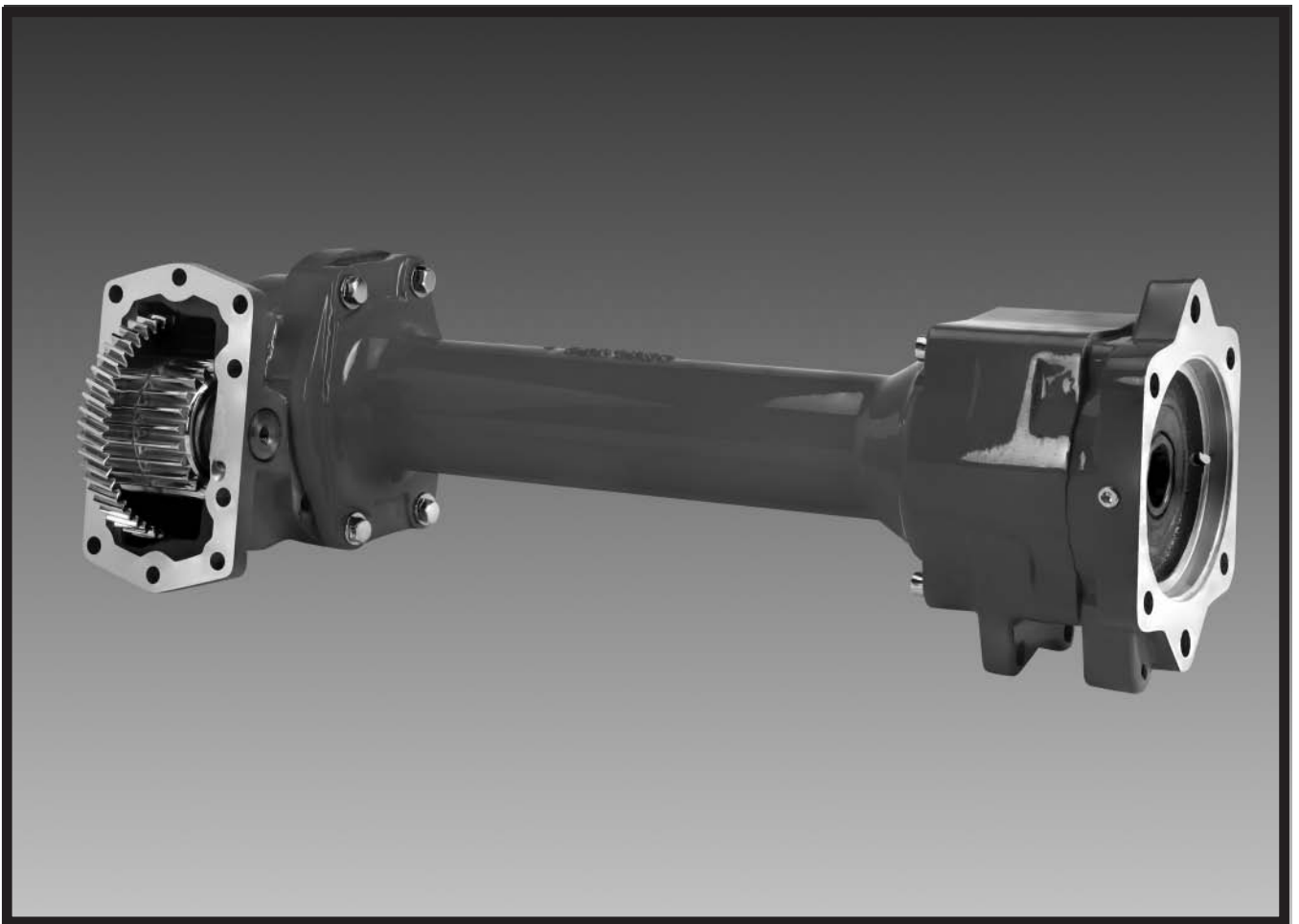


## Parts List 892/899 Series

Effective: March 15, 2013  
Supersedes: HY25-2892-M1/US  
Dated June 2012

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### **WARNING — User Responsibility**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

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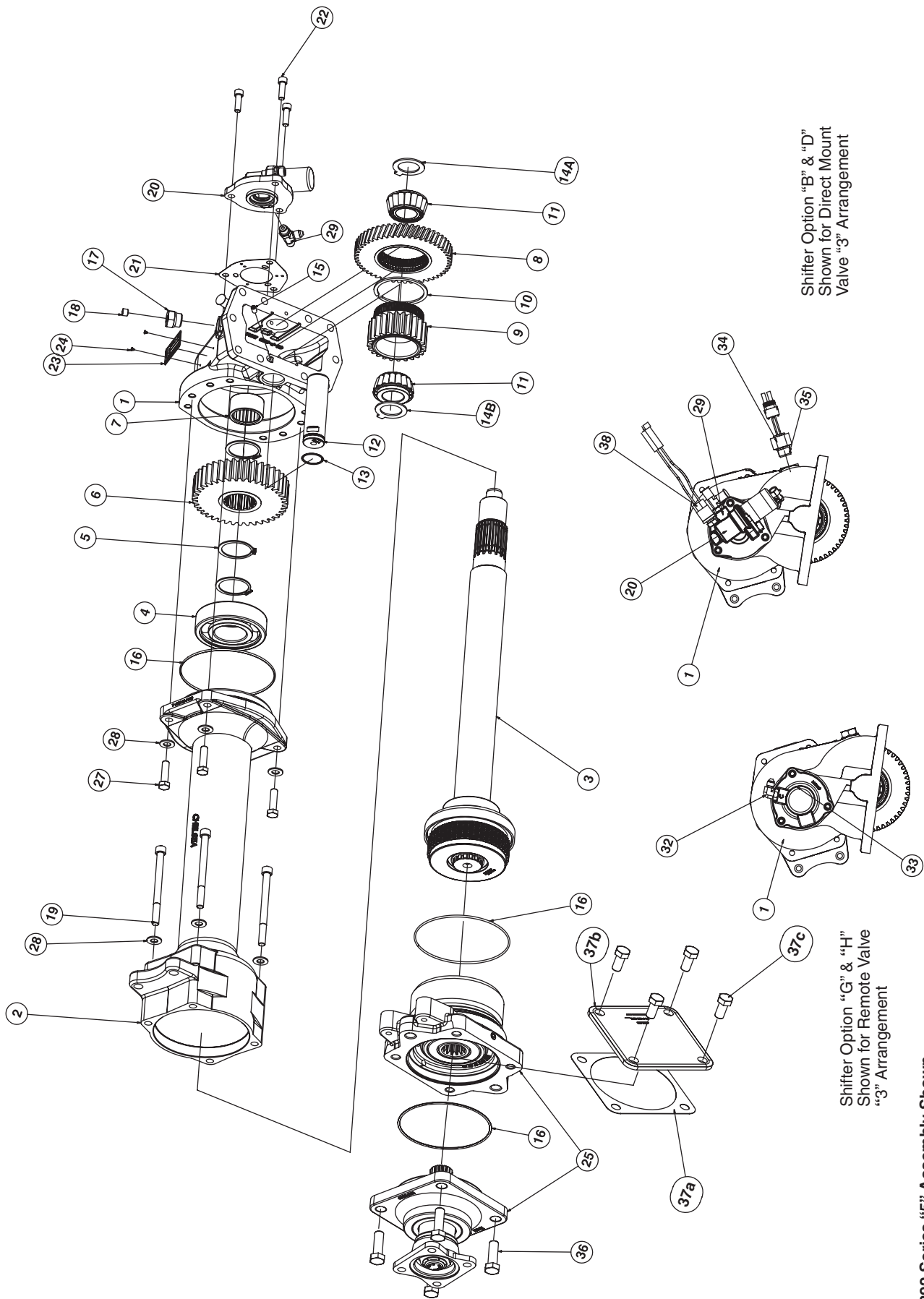
### **Offer of Sale**

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892 Series "5" Assembly Shown



**Bill of Materials****Parts List  
892 Series**

| <b>Item</b> | <b>Part Number</b> | <b>Description</b>                                                                  | <b>Qty.</b> |
|-------------|--------------------|-------------------------------------------------------------------------------------|-------------|
| 1           | <b>1-P-629</b>     | Housing Arrangement "5" .....                                                       | 1 or        |
|             | <b>1-P-631</b>     | Housing Arrangement "3" .....                                                       | 1           |
| 2           | <b>54-P-25</b>     | Retainer Bearing .....                                                              | 1           |
|             | <b>54-P-32</b>     | Retainer Bearing w/Retarder.....                                                    | 1           |
| 3           | <b>329661X</b>     | Ass'y Drive Shaft & Clutch .....                                                    | 1           |
| 4           | <b>550026</b>      | Bearing Ball 1.7717" x 3.937" x .9843" .....                                        | 1           |
| 5           | <b>379668</b>      | Lockring.....                                                                       | 3           |
| 6           | See Chart Pg 26    | Gear Output .....                                                                   | 1           |
| 7           | <b>560972</b>      | Bearing Needle Roller Ass'y 1.500" x 1.875" x 1.000" .....                          | 1           |
| 8           | See Chart Pg 26    | Gear Input .....                                                                    | 1           |
| 9           | See Chart Pg 26    | Gear Ratio.....                                                                     | 1           |
| 10          | <b>380064</b>      | Lockring.....                                                                       | 1           |
| 11          | <b>561026</b>      | Bearing Tapered Cone 1.181" x .9843" .....                                          | 2           |
| 12          | <b>9-P-99</b>      | Shaft Idler 1.18" .....                                                             | 1           |
| 13          | <b>28-P-42</b>     | O-Ring 1.051" x .070" .....                                                         | 1           |
| 14A         | <b>14-P-82-1</b>   | Spacer 1.191" x 1.75" x .080" Thickness as Required .....                           | 1           |
| 14B         | <b>14-P-82-1</b>   | Spacer 1.191" x 1.75" x .080" .....                                                 | A.R.        |
| 14B         | <b>14-P-82-2</b>   | Spacer 1.191" x 1.75" x .085" .....                                                 | A.R.        |
| 14B         | <b>14-P-82-3</b>   | Spacer 1.191" x 1.75" x .090" .....                                                 | A.R.        |
| 14B         | <b>14-P-82-4</b>   | Spacer 1.191" x 1.75" x .094" .....                                                 | A.R.        |
| 15          | <b>378452-7</b>    | Set Screw SH .250" - 20 x .500" .....                                               | 1           |
| 16          | <b>28-P-245</b>    | O-Ring 5.017" x .103" All Pump Flange Outputs.....                                  | 2 or        |
|             | <b>28-P-245</b>    | O-Ring 5.017" x .103" ("XV", "AB", "AC" Outputs) All Companion Flange Outputs ..... | 3           |
| 17          | <b>379242</b>      | Adapter Straight .125" - 27 x .750" - 16 (w/o E.O.C. Only).....                     | 1           |
| 18          | <b>379231</b>      | Plug Pipe .125" - 27 (w/o E.O.C. Only).....                                         | 1           |
| 19          | <b>379433-18</b>   | Capscrew SH .375" - 16 x 4.500".....                                                | 4           |
| 20          | <b>329463-12X</b>  | Ass'y Valve Cap 12V .....                                                           | 1 or        |
|             | <b>329463-24X</b>  | Ass'y Valve Cap 24V .....                                                           | 1           |
| 21          | <b>22-P-112</b>    | Gasket.....                                                                         | 1           |
| 22          | <b>378447-6</b>    | Capscrew SH .312" - 18 x 1.000".....                                                | 3           |
| 23          | <b>68-P-51</b>     | Plate Name .....                                                                    | 1           |
| 24          | <b>378422</b>      | Screw Drive .....                                                                   | 2           |
| 25          | See Pg 7-15        | Ass'y Output.....                                                                   | 1           |
| 26          | <b>500897-5</b>    | Plug Shipping .....                                                                 | 2           |
| 27          | <b>378431-13</b>   | Capscrew HH .375" - 16 x 1.375" .....                                               | 4           |
| 28          | <b>380076-07</b>   | Washer Flat Hardened .410" x .816" x .066" .....                                    | 8           |
| 29          | <b>379659</b>      | Tee .438" - 20 .....                                                                | 2           |
| 30          | <b>379564-2</b>    | Cap Shipping.....                                                                   | 5           |
| 32          | <b>329403X</b>     | Ass'y Seal Cap ("G" & "H" Shift Only).....                                          | 1           |
| 33          | <b>379486</b>      | Elbow 90° .438" - 20 ("G" & "H" Shift Only) .....                                   | 1           |
| 34          | <b>379243</b>      | Sensor Speed (w/E.O.C. Only).....                                                   | 1           |
| 35          | <b>28-P-171</b>    | O-Ring .644" x .087" (w/E.O.C. Only).....                                           | 1           |
| 36          | <b>378433-14</b>   | Capscrew HH .500" - 13 x 1.500" ("XV", "AB", "AC" Outputs) .....                    | 4           |
| 37          | <b>329654X</b>     | Kit Cover ("XS" Outputs) .....                                                      | 1           |
| 37a         | <b>22-P-25-2</b>   | P.T.O. Housing Gasket .....                                                         | 1           |
| 37b         | <b>34-P-284</b>    | Cover Plate "XS" .....                                                              | 1           |

A.R. — As Required

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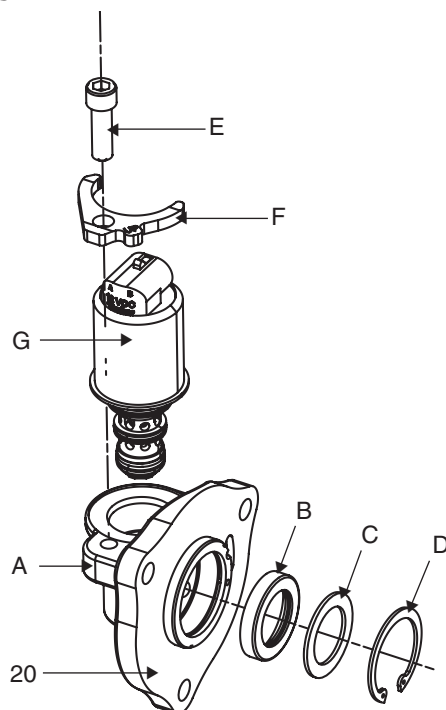
**Bill of Materials****Parts List  
892 Series**

| Item | Part Number | Description                                                                         | Qty. |
|------|-------------|-------------------------------------------------------------------------------------|------|
| 37c  | 329722X     | Hex Capscrew 0.5" - 13 x 10" .....                                                  | 4    |
| 38   | 379502      | Pressure Switch.....                                                                | 1    |
|      |             | <b>LOOSE PARTS</b>                                                                  |      |
|      | 328948-36X  | Kit Gasket & Installation (All) .....                                               | 1    |
|      | 7170-86X    | Kit Mounting.....                                                                   | 1 or |
|      | 329645-8X   | Kit Bracket & Hose ("H" Mount) .....                                                | 1    |
|      | 329645-9X   | Kit Bracket & Hose ("U" Mount) .....                                                | 1    |
|      | 329645-16X  | Kit Bracket & Hose ("C" Mount) .....                                                | 1    |
|      | 329645-10X  | Kit Bracket & Hose ("J" Mount) .....                                                | 1    |
|      | 329645-11X  | Kit Bracket & Hose ("K" Mount).....                                                 | 1    |
|      | 329645-19X  | Kit Bracket & Hose ("P" Mount).....                                                 | 1    |
|      | 329644-1X   | Kit Mounting & Installation ("XS", "ZS", "CS" Outputs) .....                        | 1    |
|      | 329644-2X   | Kit Mounting & Installation ("XK", "AF", "AZ", "CK", "CF", "CZ" Outputs) .....      | 1    |
|      | 329644-3X   | Kit Mounting & Installation ("XY" Output).....                                      | 1    |
|      | 329644-4X   | Kit Mounting & Installation ("DA" Output).....                                      | 1    |
|      | 329024-12X  | Kit Installation 12V ("B" Shift Option) .....                                       | 1    |
|      | 329024-24X  | Kit Installation 24V ("D" Shift Option).....                                        | 1    |
|      | 329653-12X  | Kit Installation 12V REM Valve w/o E.O.C. ("G" Shift Option) .....                  | 1    |
|      | 329653-24X  | Kit Installation 24V REM Valve w/o E.O.C. ("H" Shift Option).....                   | 1    |
|      | 329076X     | Kit Installation E.O.C. ("K" & "L" Shift Option) .....                              | 1    |
|      | 329650X     | Controls Electronic Overspeed ("K" & "L" Shift Option) .....                        | 1    |
|      | 329057-4X   | Hose Assembly (Remote Valve Option Only) All Mounting Options .....                 | 1    |
|      | 328075X     | Hose Assembly (Remote Valve Option Only) All Mounting Options .....                 | 1    |
|      | 329130-2X   | Hose Assembly (Remote Valve Option Only) All Mounting Options .....                 | 1    |
|      | 329130-5X   | Hose Assembly (Remote Valve Option Only) "H", "J", "C", "P" Mounting Options.....   | 1    |
|      | 329075-4X   | Hose Assembly (Remote Valve Option Only) "U", "K" Mounting Options.....             | 1    |
|      | 329654X     | Kit Cover "XS" Output (Optional).....                                               | 1    |
|      | 329658X     | Kit Cover "XK", "AF", "AZ", "CK", "CF", "CZ" Outputs (Optional).....                | 1    |
|      | 329659X     | Kit Cover "XY" Output (Optional).....                                               | 1    |
|      | 329722X     | Kit Cover "DA" Output Only .....                                                    | 1    |
|      |             | <b>SERVICE PARTS</b>                                                                |      |
|      | 329071-46X  | Kit Gasket & Seal "XS", "ZS", "XK", "AF", "AZ", "CS", "CK", "CF", "CZ" Outputs..... | 1    |
|      | 329071-47X  | Kit Gasket & Seal "XY" Output .....                                                 | 1    |
|      | 329071-52X  | Kit Gasket & Seal "XV", "AF", "AZ" Outputs .....                                    | 1    |
|      | 329071-54X  | Kit Gasket & Seal "DA" Output.....                                                  | 1    |
|      | 329071-48X  | Kit Bearing "XS", "ZS", "XK", "AF", "AZ", "CS", "CK", "CF", "CZ" Outputs .....      | 1    |
|      | 329071-49X  | Kit Bearing "XY" Output .....                                                       | 1    |
|      | 329071-51X  | Kit Bearing "XV", "AF", "AZ" Outputs.....                                           | 1    |
|      | 329071-53X  | Kit Bearing "DA" Output .....                                                       | 1    |
|      | 329071-50X  | Kit Clutch Repair.....                                                              | 1    |

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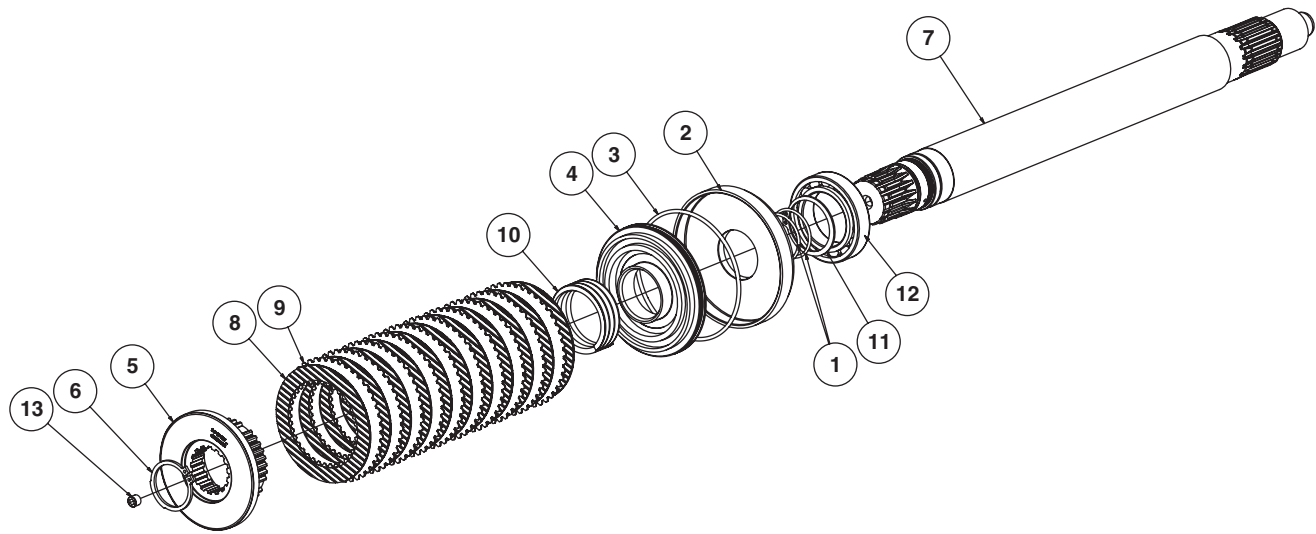
**Bill of Materials****Parts List  
892 Series**

| Item | Part Number       | Description                                   | Qty. |
|------|-------------------|-----------------------------------------------|------|
|      | <b>329354-24X</b> | Conversion Kit 24V Remote Mount Valve .....   | 1    |
|      | <b>329160-63X</b> | Kit Conversion "XS", "ZS", "CS" Outputs ..... | 1    |
|      | <b>329160-64X</b> | Kit Conversion "XS", "ZS", "CS" Outputs ..... | 1    |
|      | <b>329160-65X</b> | Kit Conversion "XS", "ZS", "CS" Outputs ..... | 1    |

**Valve & Cap Bill of Materials**

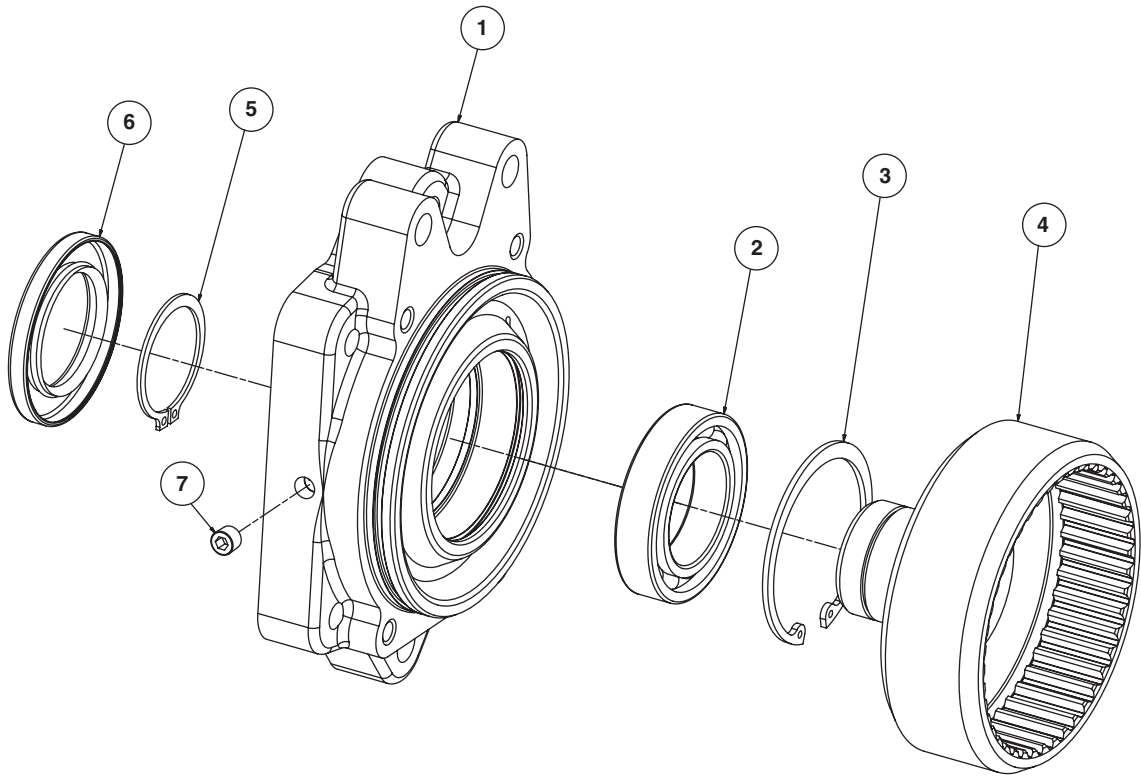
| Item | Part Number       | Description                                              | Qty. |
|------|-------------------|----------------------------------------------------------|------|
| 20   | <b>329463-12X</b> | Valve & Cap Assembly (12V) ("FJ" Pitch Only) .....       | 1 or |
|      | <b>329463-24X</b> | Valve & Cap Assembly (24V) ("FJ" Pitch Only) .....       | 1    |
| A    | <b>34-P-143</b>   | Valve Cap .....                                          | 1    |
| B    | <b>28-P-119</b>   | Oil Seal (Hi Pressure) .....                             | 1    |
| C    | <b>378811</b>     | Washer .....                                             | 1    |
| D    | <b>378849</b>     | Retaining Ring .....                                     | 1    |
| E    | <b>378447-6</b>   | Sockethead Capscrew .312" - 18 x 1.00" .....             | 1    |
| F    | <b>380012</b>     | Clamp ("FJ") used with 380011 Valve .....                | 1    |
|      | <b>380124</b>     | Clamp ("FJ") used with 380123 Valve .....                | 1    |
| G    | <b>380123-12</b>  | Hydraulic Valve (12V) ("FJ") (White Connector Top) ..... | 1 or |
|      | <b>380123-24</b>  | Hydraulic Valve (24V) ("FJ") (Black Connector Top) ..... | 1    |

**329661X Drive Shaft & Clutch Assembly**



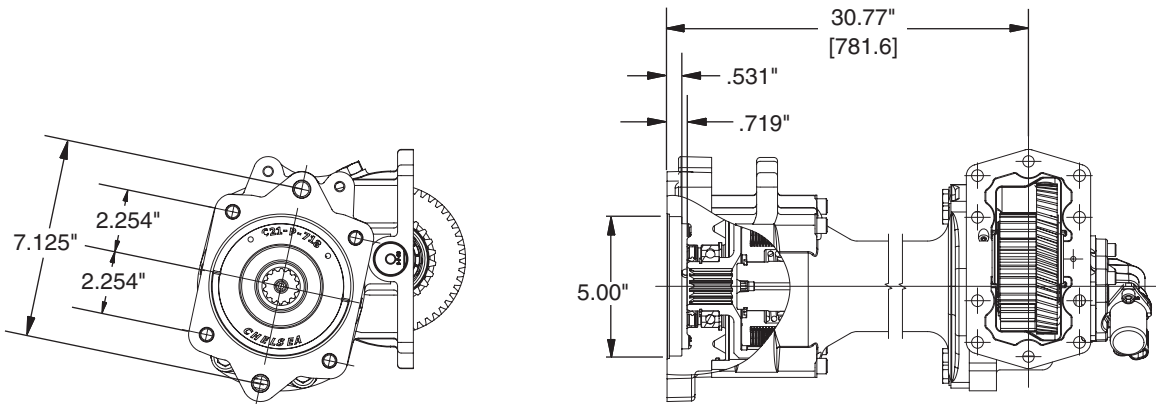
| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 28-P-285    | O-Ring 1.597" x .103" .....                | 2    |
| 2    | 380051      | Cylinder Clutch Back-Up.....               | 1    |
| 3    | 28-P-178    | O-Ring 4.484" x .138" .....                | 1    |
| 4    | 380110X     | Piston Clutch Assembly w/Ball.....         | 1    |
| 5    | 329678X     | Gear and Plate Kit.....                    | 1    |
| 5.1  | 2-P-858     | Gear Output 36 Tooth .....                 | 1    |
| 5.2  | 379485      | Disc Friction .....                        | 11   |
| 5.3  | 380065      | Plate Clutch .....                         | 10   |
| 6    | 380069      | Lockring .....                             | 1    |
| 7    | 3-P-1008    | Shaft Output.....                          | 1    |
| 8    | 37-P-62     | Spring 2.140" x 1.729" .....               | 1    |
| 9    | 380070      | Lockring .....                             | 1    |
| 10   | 561028      | Bearing Ball 1.969" x 3.150" x .630" ..... | 1    |
| 11   | 379231      | Plug Pipe .125" - 27 .....                 | 1    |

**329609-1X (“XS”) S.A.E “C” 2 or 4-Bolt 1.25" - 14 Tooth**

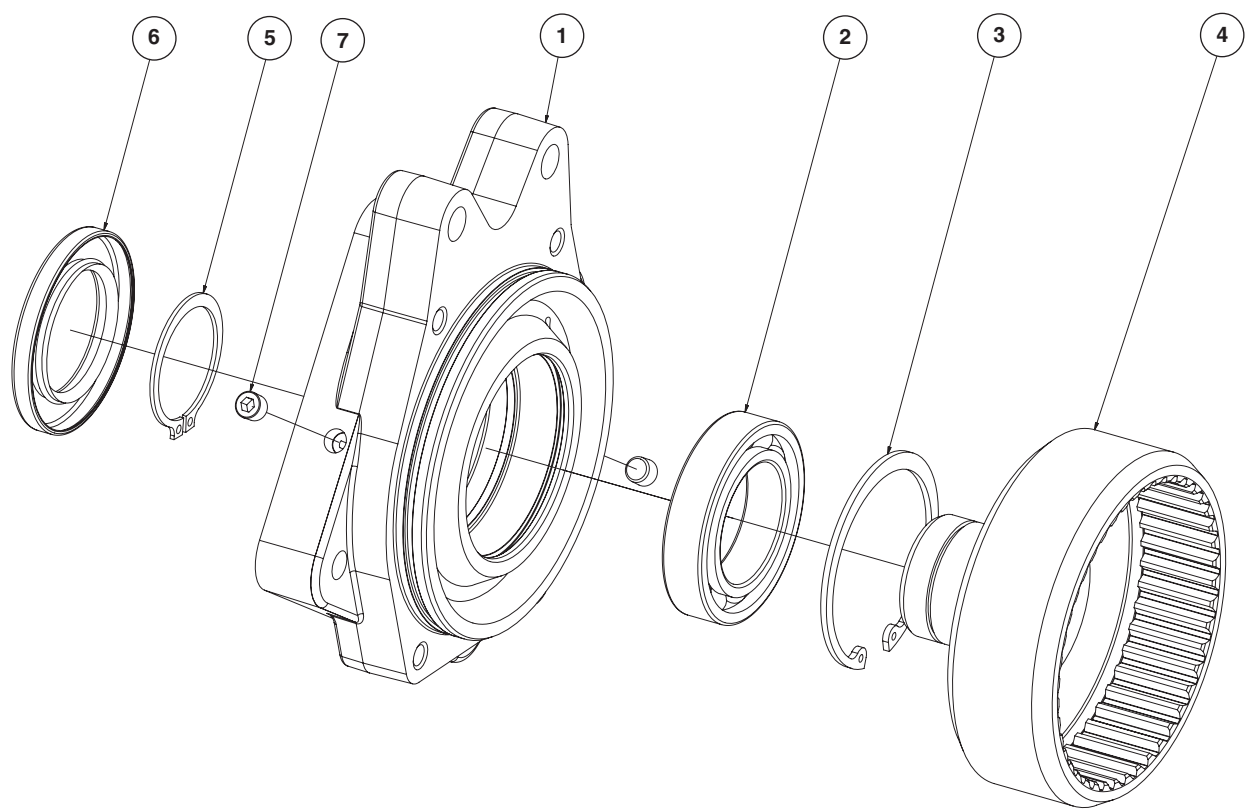


| Item | Part Number | Description                                            | Qty. |
|------|-------------|--------------------------------------------------------|------|
| 1    | 21-P-717    | Flange Pump “XS” S.A.E. “C” 2 or 4-Bolt .....          | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....             | 1    |
| 3    | 379919      | Lockring .....                                         | 1    |
| 4    | 2-P-867     | Gear Output 1.250" - 14T Spline .....                  | 1    |
| 5    | 379668      | Lockring .....                                         | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....                 | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                             | 2    |
| N.S. | 28-P-259X   | O-Ring 3.984" x .139" (Wet Spline Pump Mounting) ..... | 1    |

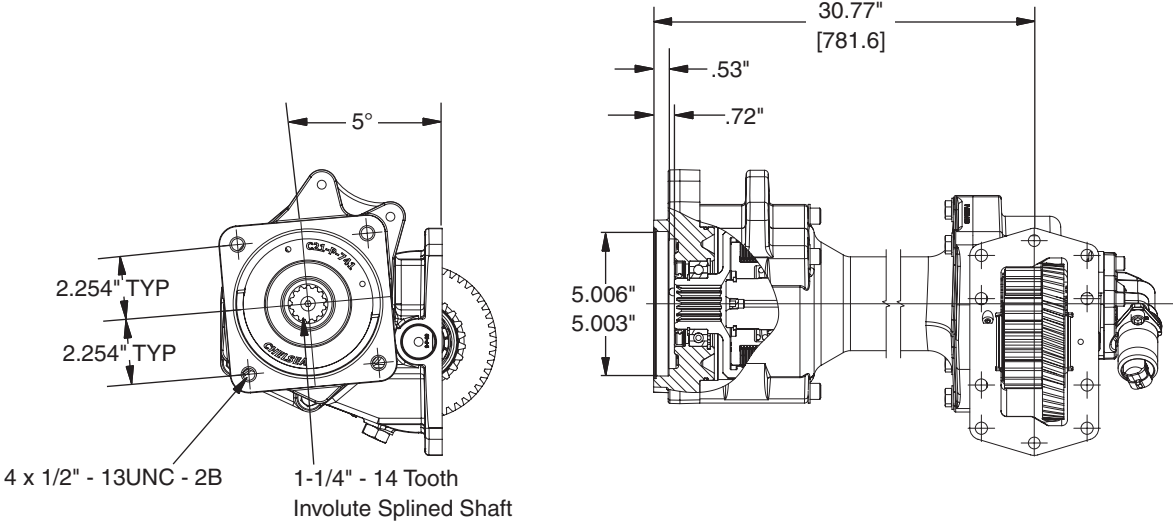
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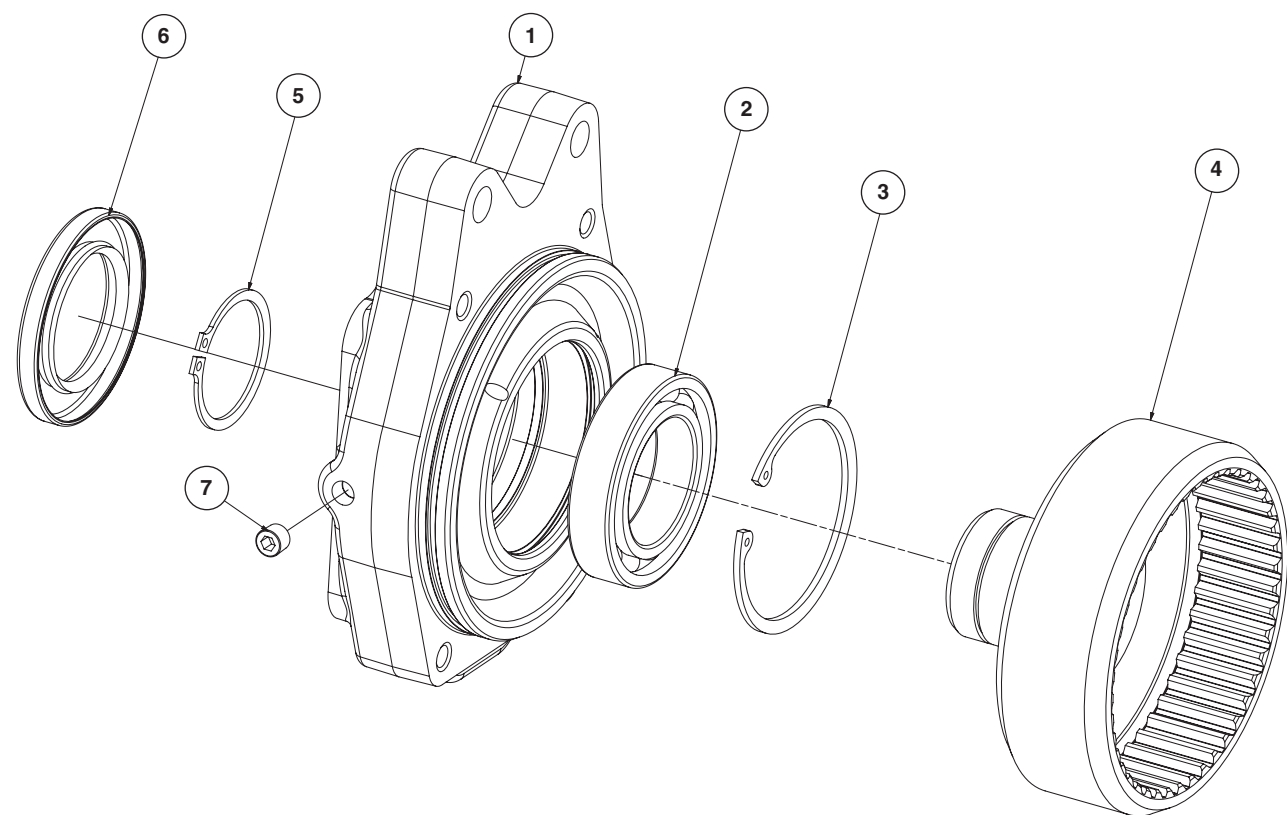
**329673-1X (“CS”) S.A.E. “C” 4-Bolt 1-1/4" - 14 Tooth**



| Item | Part Number | Description                                  | Qty. |
|------|-------------|----------------------------------------------|------|
| 1    | 21-P-742    | Flange Pump “CS” .....                       | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....   | 1    |
| 3    | 379919      | Lockring .....                               | 1    |
| 4    | 2-P-867     | Gear Output 44T 1-1/4" - 14 Tooth “CS” ..... | 1    |
| 5    | 379668      | Lockring .....                               | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....       | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                   | 2    |

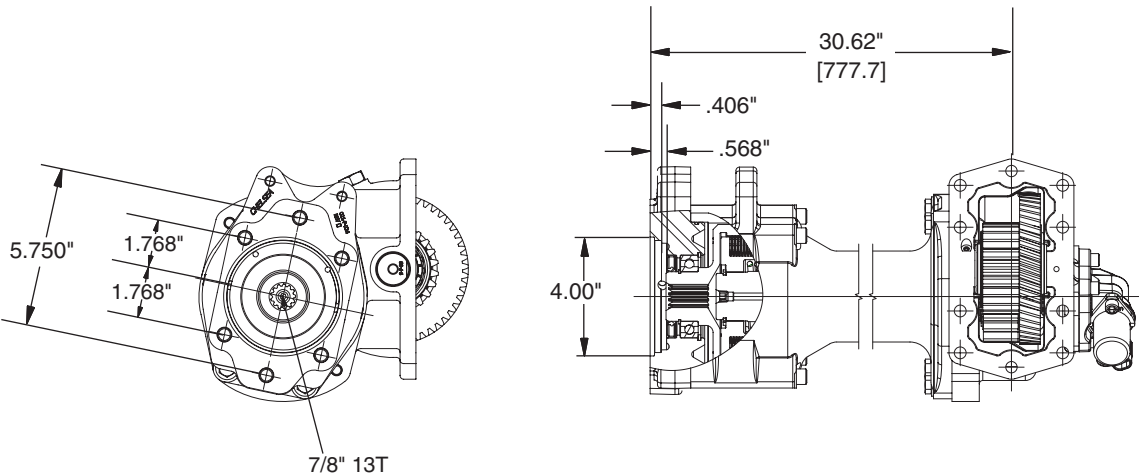


**329609-2X (“XK”) S.A.E. “B” 2 or 4-Bolt 7/8" - 13 Tooth**



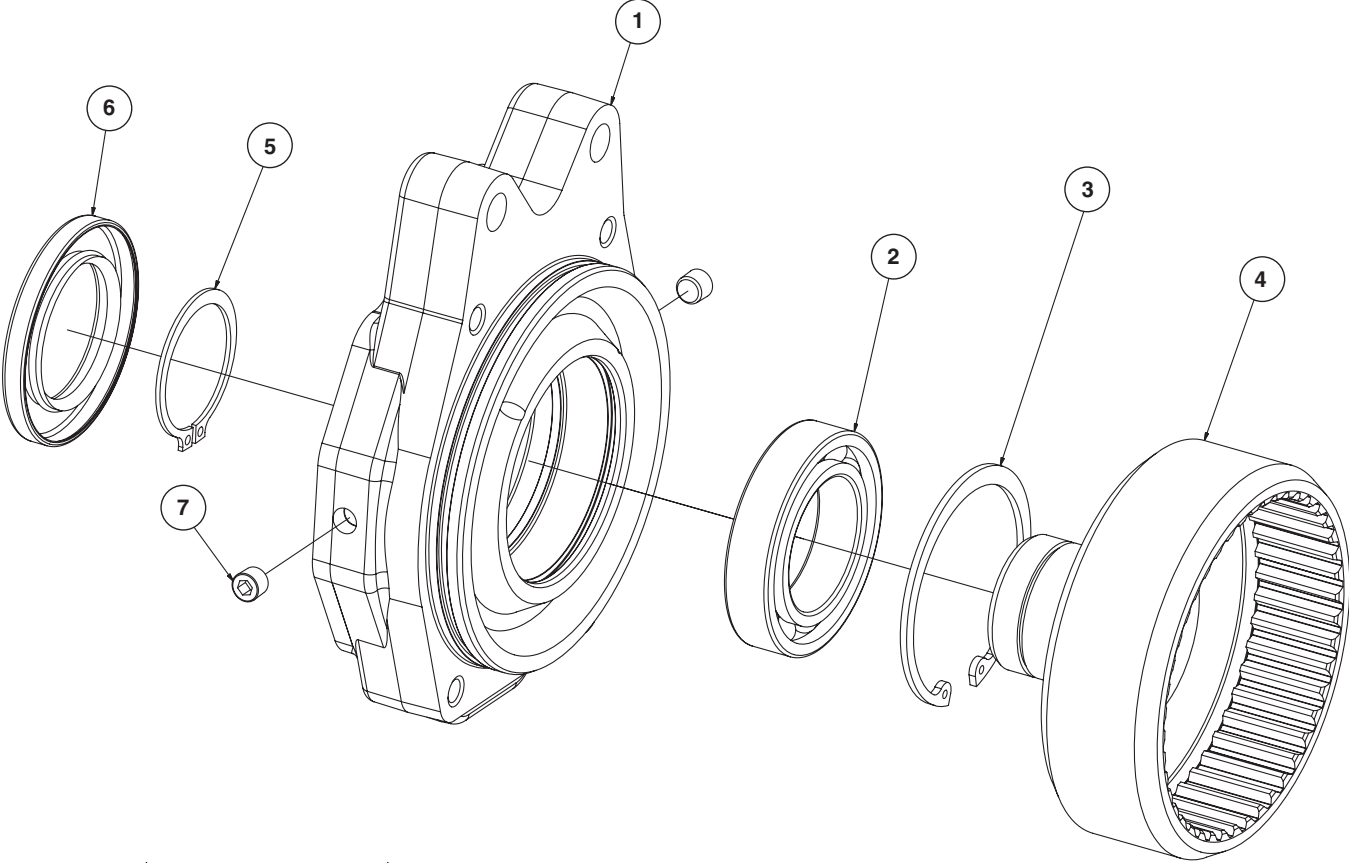
| Item | Part Number | Description                                            | Qty. |
|------|-------------|--------------------------------------------------------|------|
| 1    | 21-P-723    | Flange Pump “XK” S.A.E. “B” 2 or 4-Bolt.....           | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....             | 1    |
| 3    | 379919      | Lockring .....                                         | 1    |
| 4    | 2-P-877     | Gear Output 7/8" - 13 Tooth.....                       | 1    |
| 5    | 379668      | Lockring .....                                         | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....                 | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                             | 2    |
| N.S. | 28-P-259X   | O-Ring 3.984" x .139" (Wet Spline Pump Mounting) ..... | 1    |

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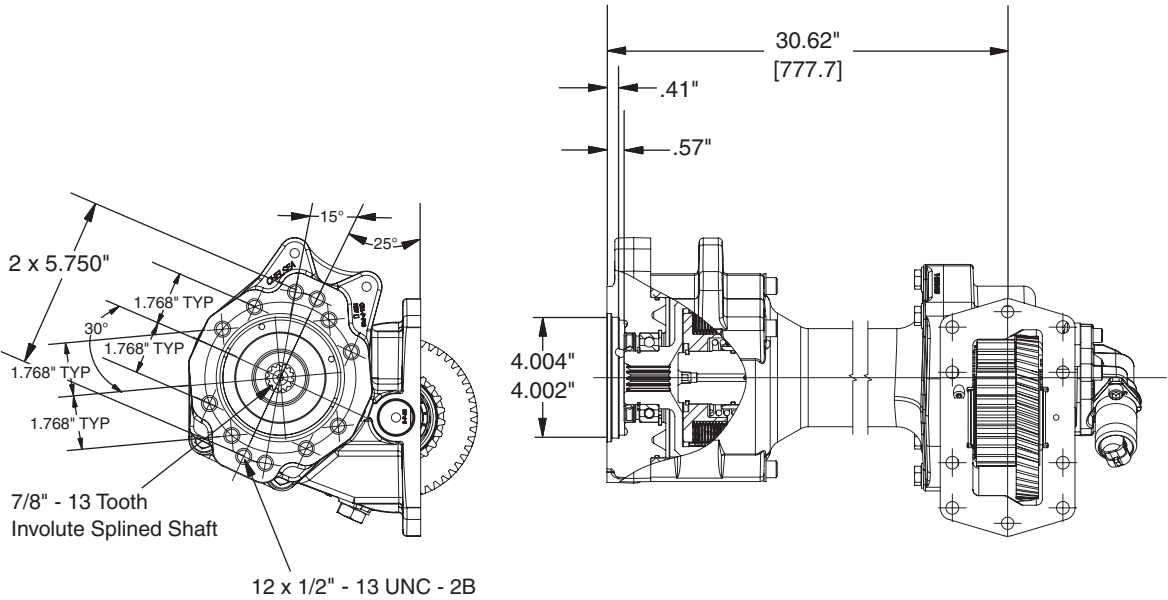




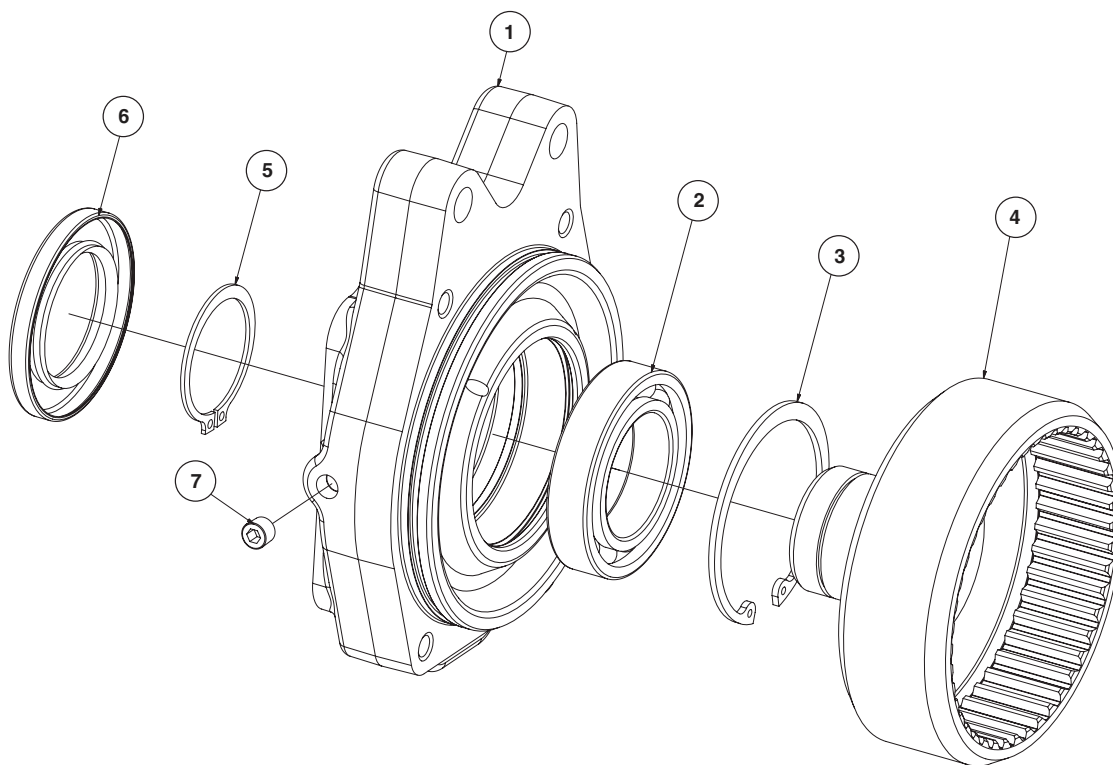
**329673-2X (“CK”) S.A.E. “B” 2 or 4-Bolt 7/8" - 13 Tooth**



| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 21-P-739    | Flange Pump “CK” .....                     | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" ..... | 1    |
| 3    | 379919      | Lockring .....                             | 1    |
| 4    | 2-P-877     | Gear Output 44T 7/8" - 13 Tooth “CK” ..... | 1    |
| 5    | 379668      | Lockring .....                             | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....     | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                 | 2    |

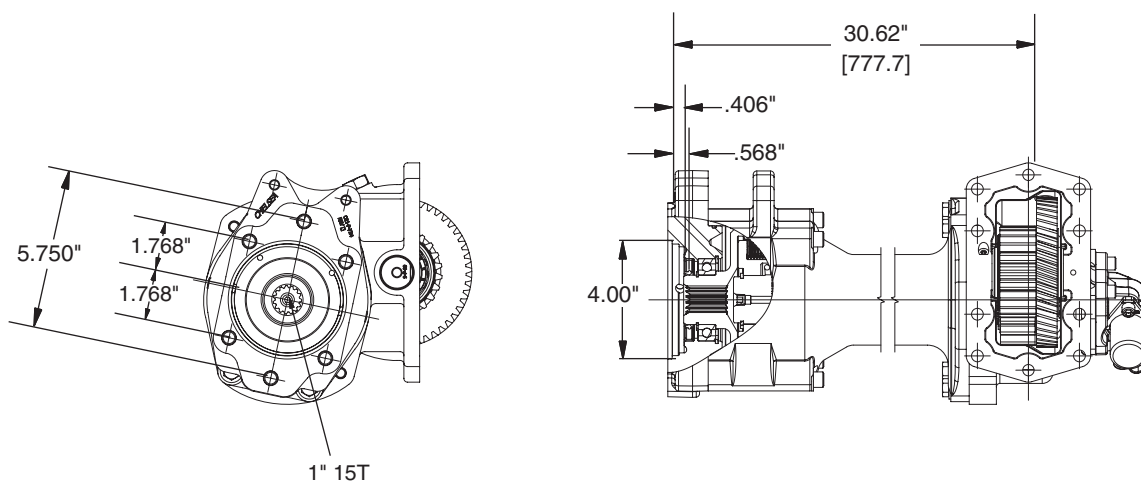




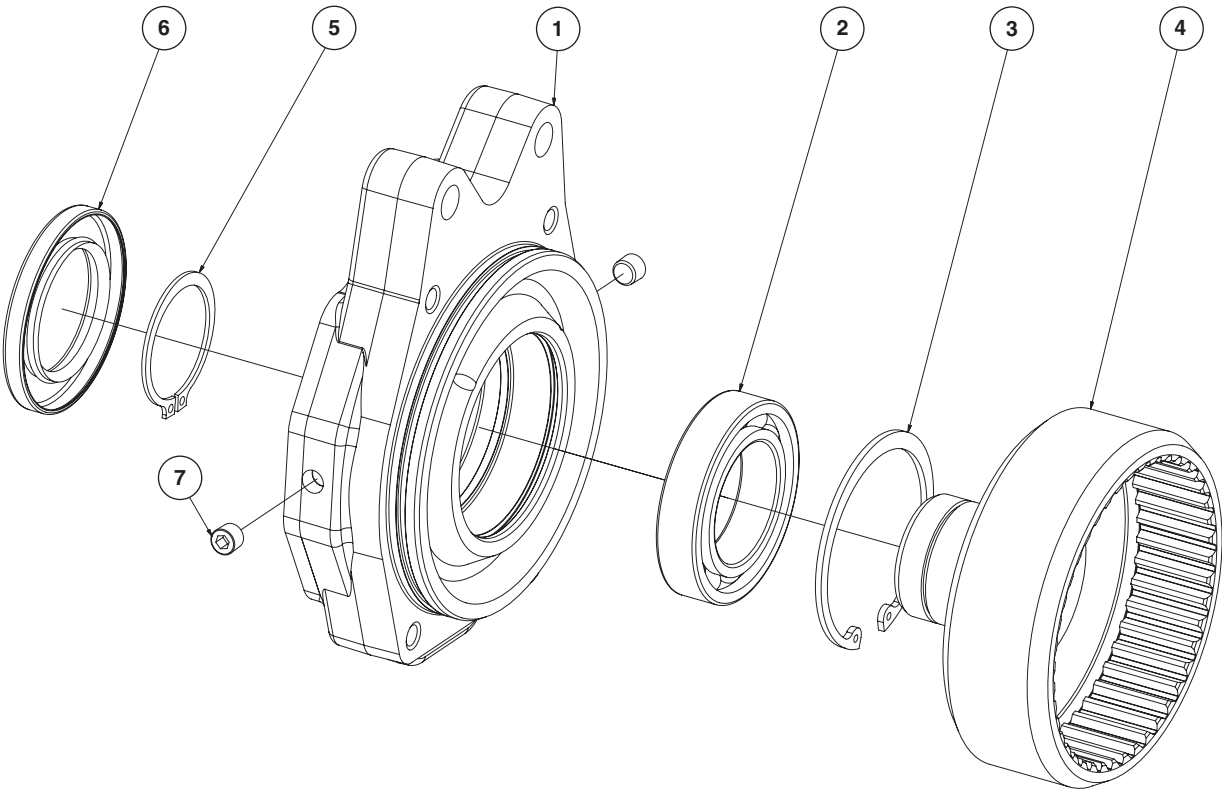
**329609-3X ("AF") S.A.E. "B-B" 2 or 4-Bolt 1.00" - 15 Tooth**

| Item | Part Number | Description                                            | Qty. |
|------|-------------|--------------------------------------------------------|------|
| 1    | 21-P-723    | Flange Pump "XK" S.A.E. "B" 2 or 4-Bolt.....           | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....             | 1    |
| 3    | 379919      | Lockring .....                                         | 1    |
| 4    | 2-P-875     | Gear Output 1.0" - 15 Tooth Spline .....               | 1    |
| 5    | 379668      | Lockring .....                                         | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....                 | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                             | 2    |
| N.S. | 28-P-259X   | O-Ring 3.984" x .139" (Wet Spline Pump Mounting) ..... | 1    |

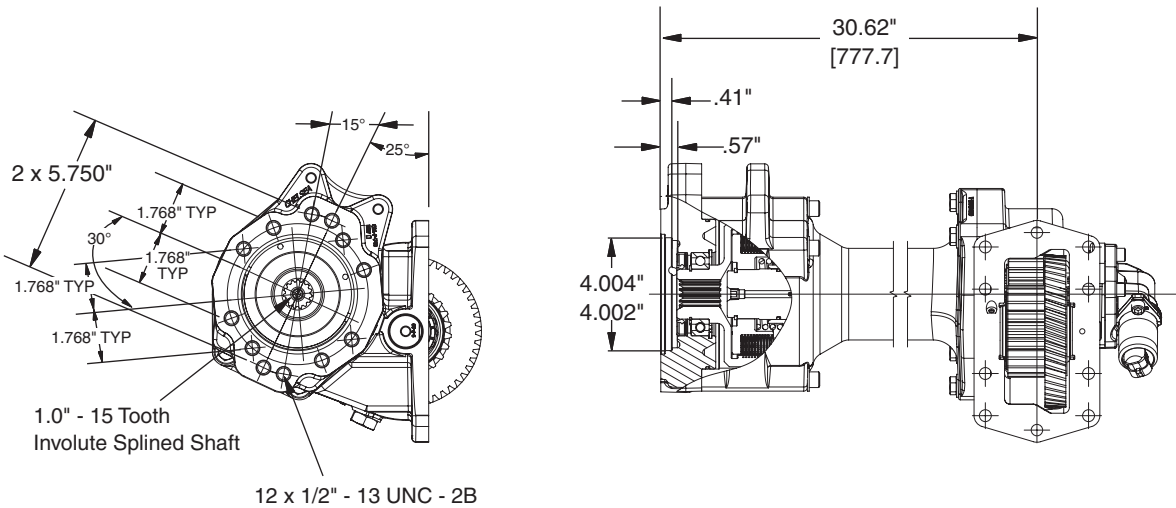
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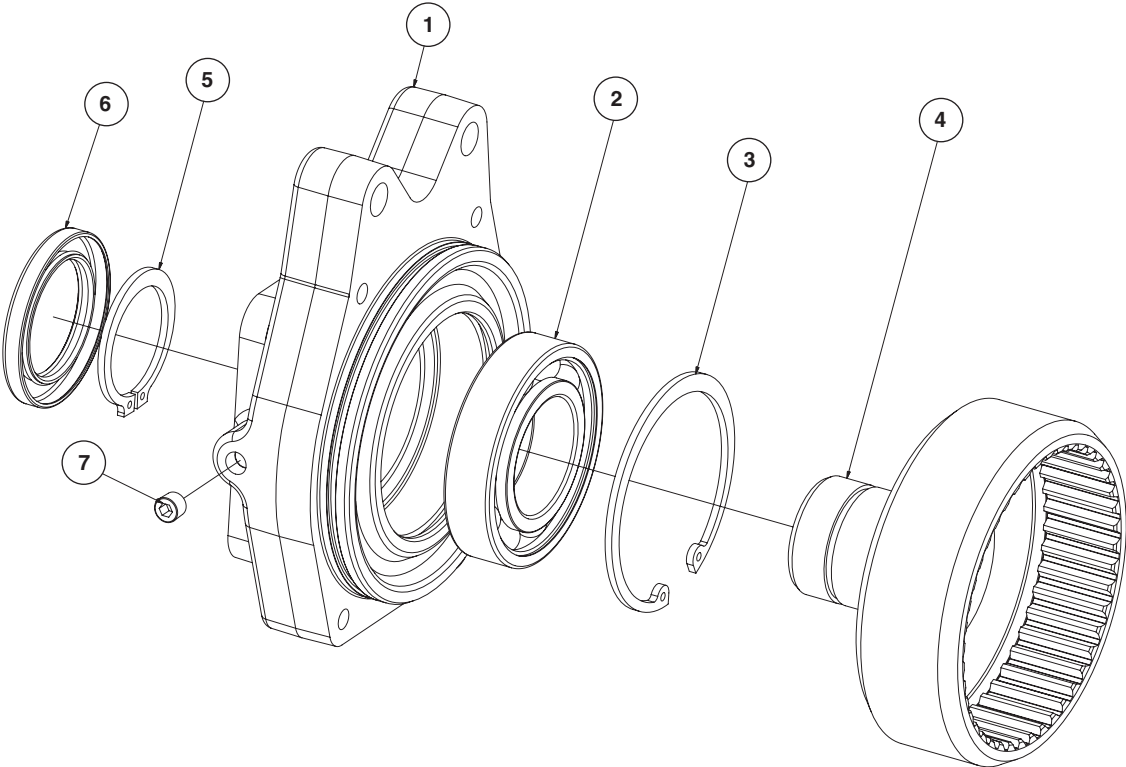
329673-3X ("CF") S.A.E. "B" 2 or 4-Bolt 1.00" - 15 Tooth



| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 21-P-739    | Flange Pump "CF".....                      | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" ..... | 1    |
| 3    | 379919      | Lockring .....                             | 1    |
| 4    | 2-P-875     | Gear Output 44T 7/8" - 13 Tooth "CF" ..... | 1    |
| 5    | 379668      | Lockring .....                             | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....     | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                 | 2    |

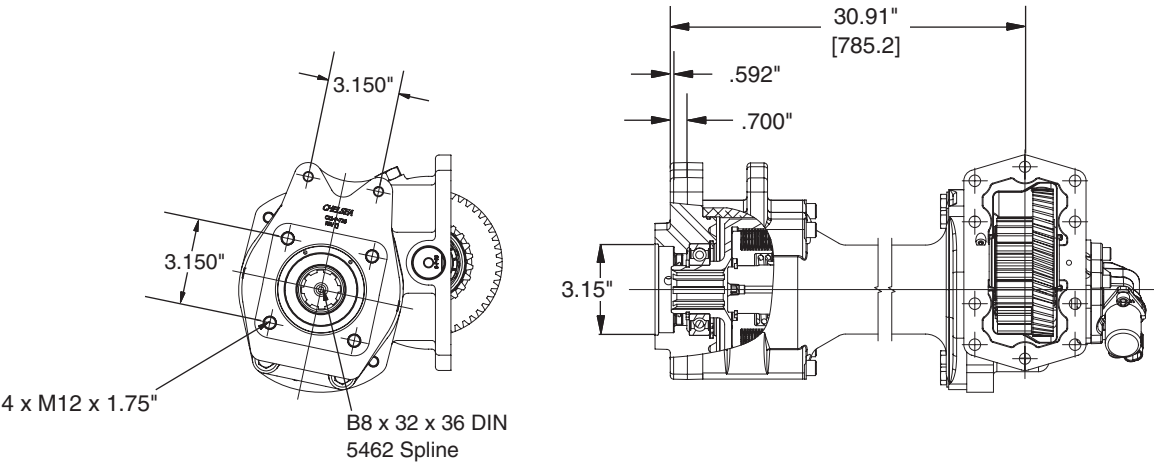


**329609-4X (“XY”) DIN 5462 4-Bolt - 8 Tooth**

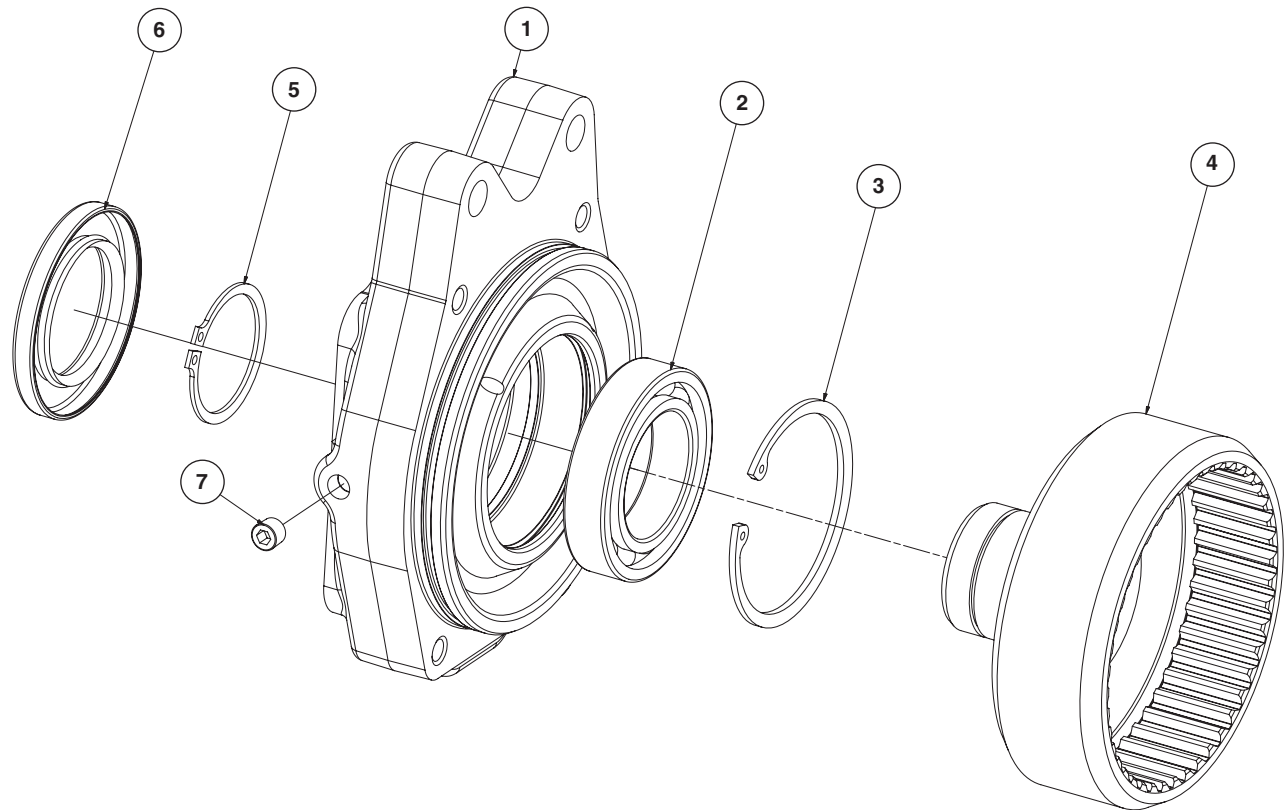


| Item | Part Number | Description                                            | Qty. |
|------|-------------|--------------------------------------------------------|------|
| 1    | 21-P-725    | Flange Pump “XY” DIN 5462 4-Bolt .....                 | 1    |
| 2    | 561011      | Bearing Ball 1.770" x 3.346" x .748" .....             | 1    |
| 3    | 378263      | Lockring .....                                         | 1    |
| 4    | 2-P-876     | Gear Output 8 Tooth Spline.....                        | 1    |
| 5    | 379555      | Lockring .....                                         | 1    |
| 6    | 28-P-267    | Oil Seal 2.627" x 1.750" x .312" .....                 | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                             | 2    |
| N.S. | 28-P-259X   | O-Ring 3.984" x .139" (Wet Spline Pump Mounting) ..... | 1    |

N.S. — Not Shown

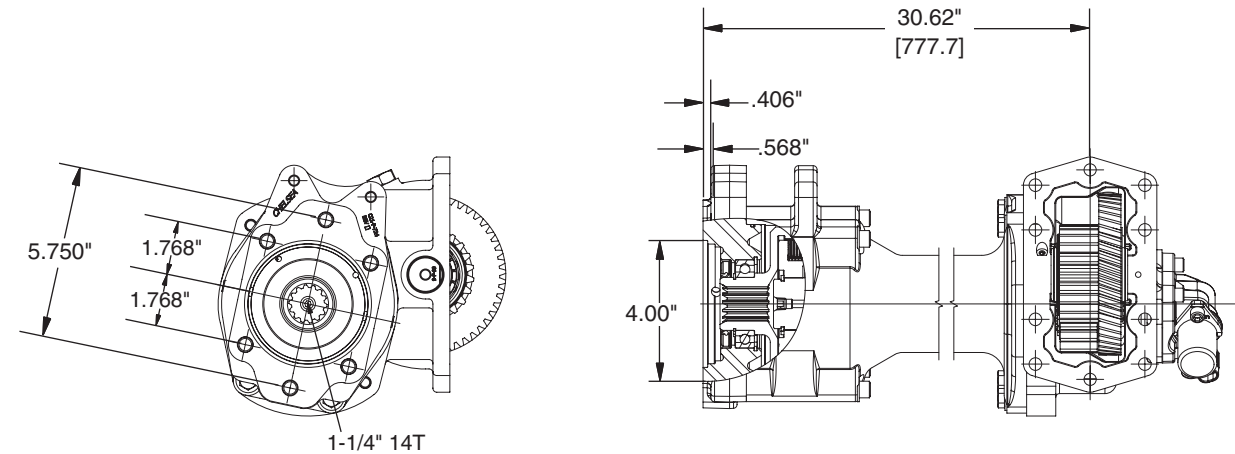


**329609-5X (“AZ”) S.A.E. “B” 2 or 4-Bolt 1-1/4" - 14 Tooth**

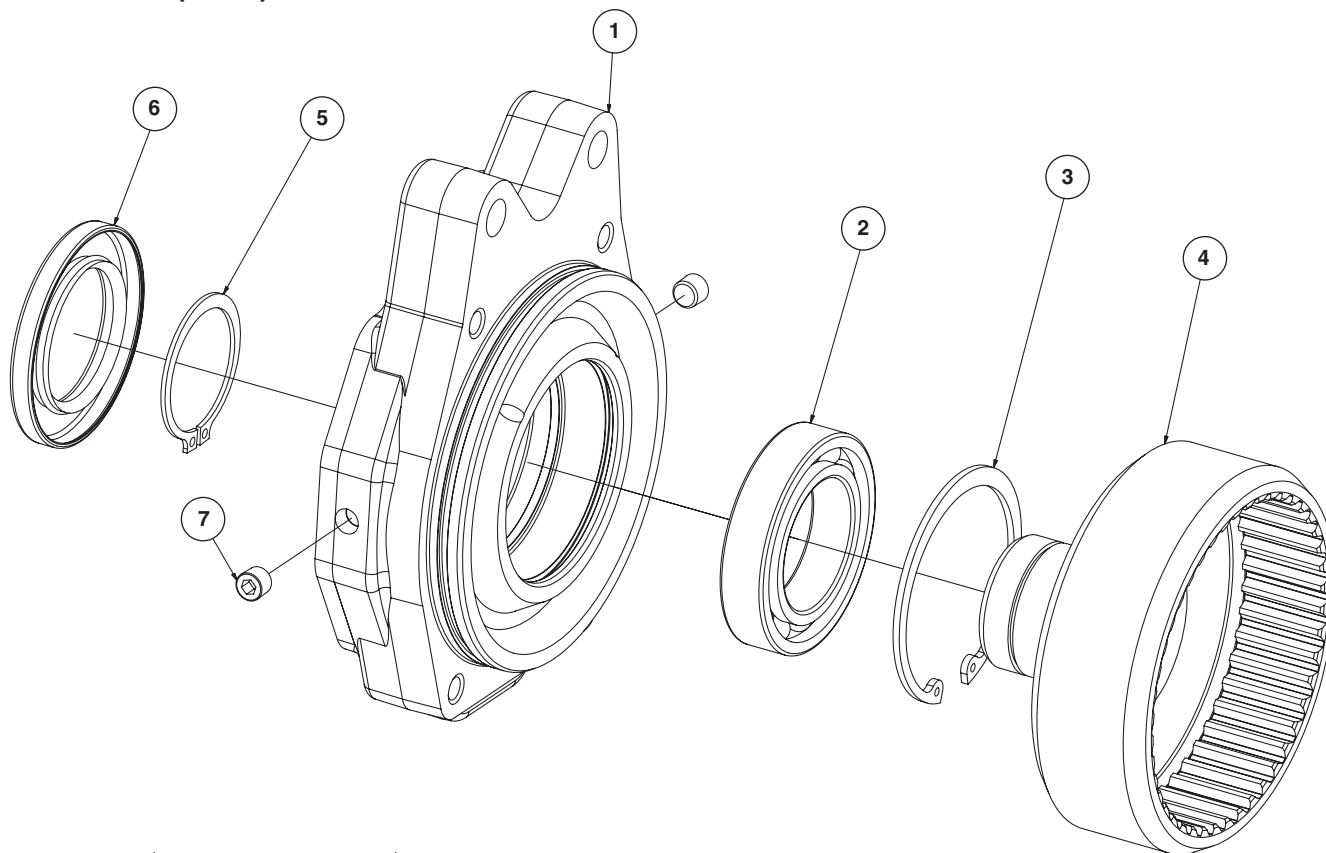


| Item | Part Number | Description                                            | Qty. |
|------|-------------|--------------------------------------------------------|------|
| 1    | 21-P-723    | Flange Pump “AZ” S.A.E. “B” 2 or 4-Bolt.....           | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....             | 1    |
| 3    | 379919      | Lockring .....                                         | 1    |
| 4    | 2-P-877     | Gear Output 14 Tooth.....                              | 1    |
| 5    | 379668      | Lockring .....                                         | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....                 | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                             | 2    |
| N.S. | 28-P-259X   | O-Ring 3.984" x .139" (Wet Spline Pump Mounting) ..... | 1    |

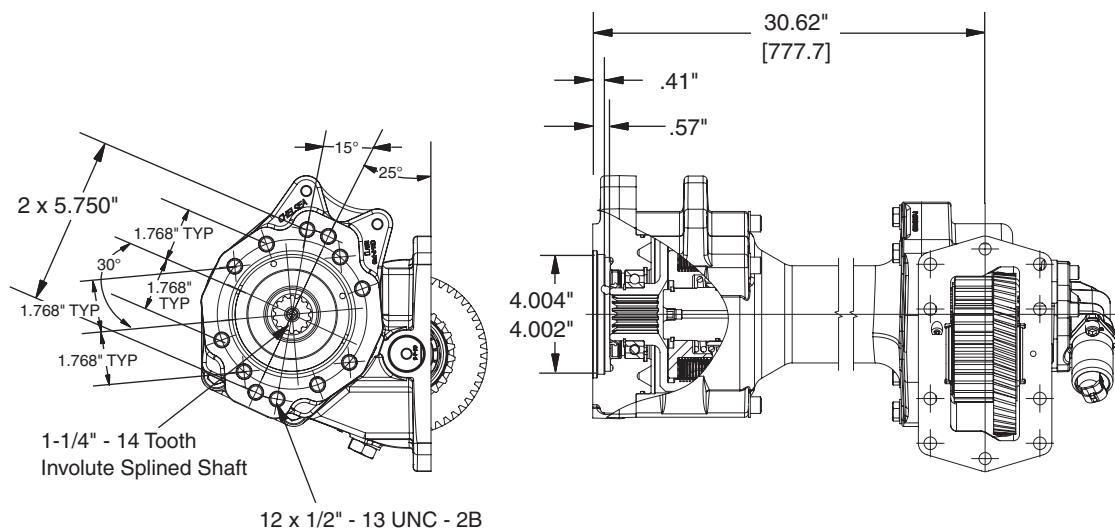
N.S. — Not Shown



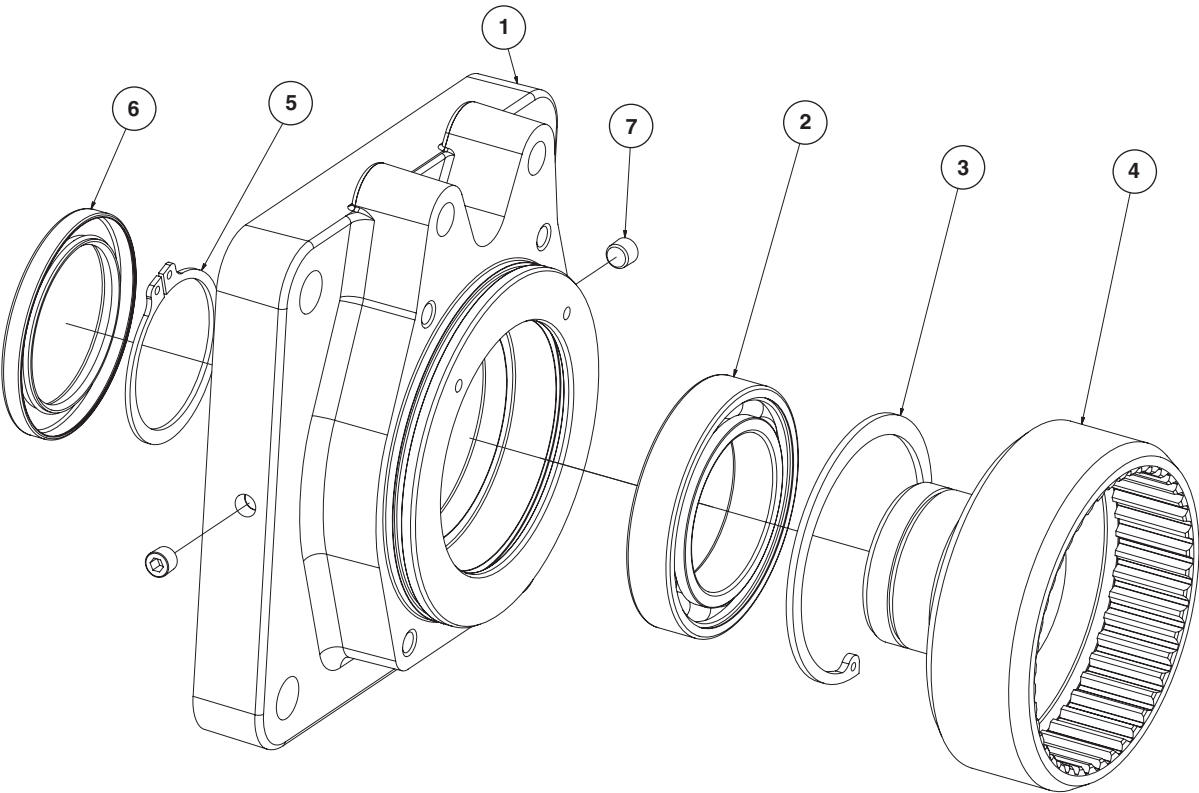
## 329673-5X ("CZ") S.A.E. "B" 2 or 4-Bolt 1-1/4" - 14 Tooth



| Item | Part Number | Description                                  | Qty. |
|------|-------------|----------------------------------------------|------|
| 1    | 21-P-739    | Flange Pump "CZ" .....                       | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....   | 1    |
| 3    | 379919      | Lockring .....                               | 1    |
| 4    | 2-P-867     | Gear Output 44T 1-1/4" - 14 Tooth "CZ" ..... | 1    |
| 5    | 379668      | Lockring .....                               | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....       | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                   | 2    |



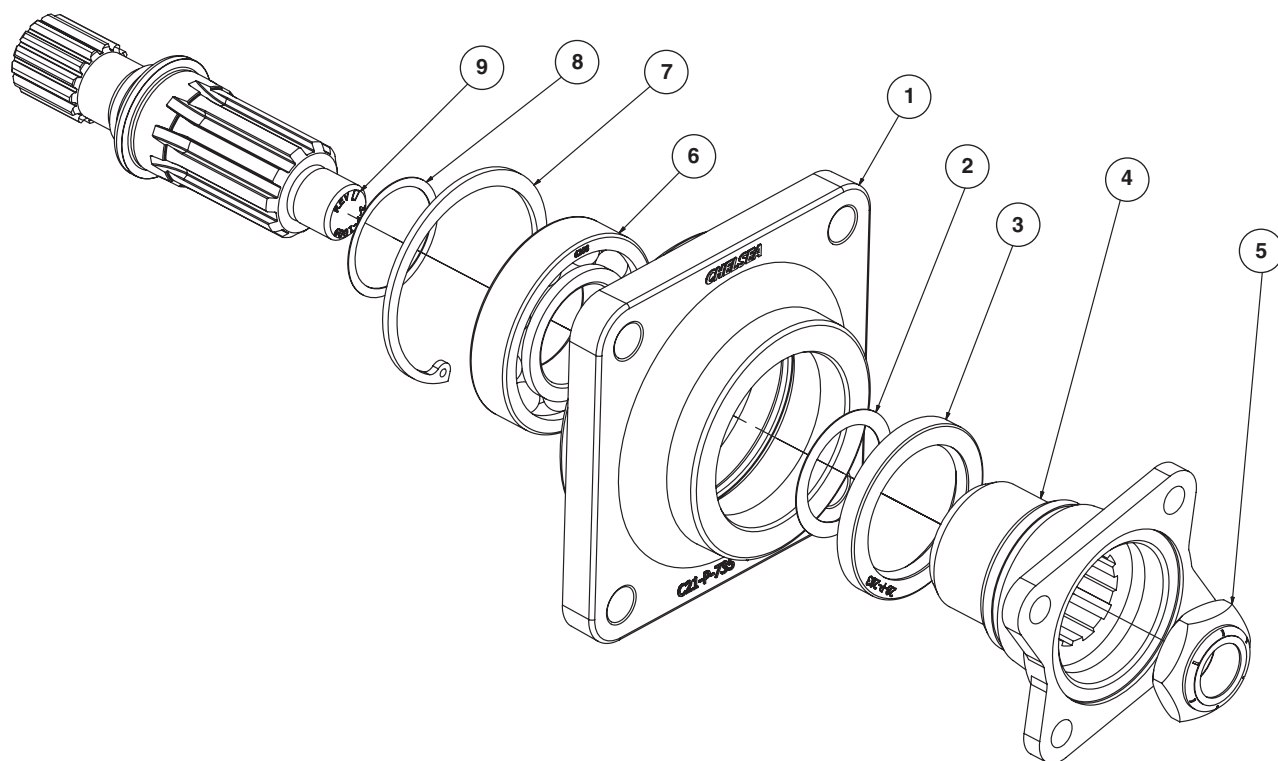
**329609-6X (“DA”) Class “D” 4-Bolt Pump Mount**



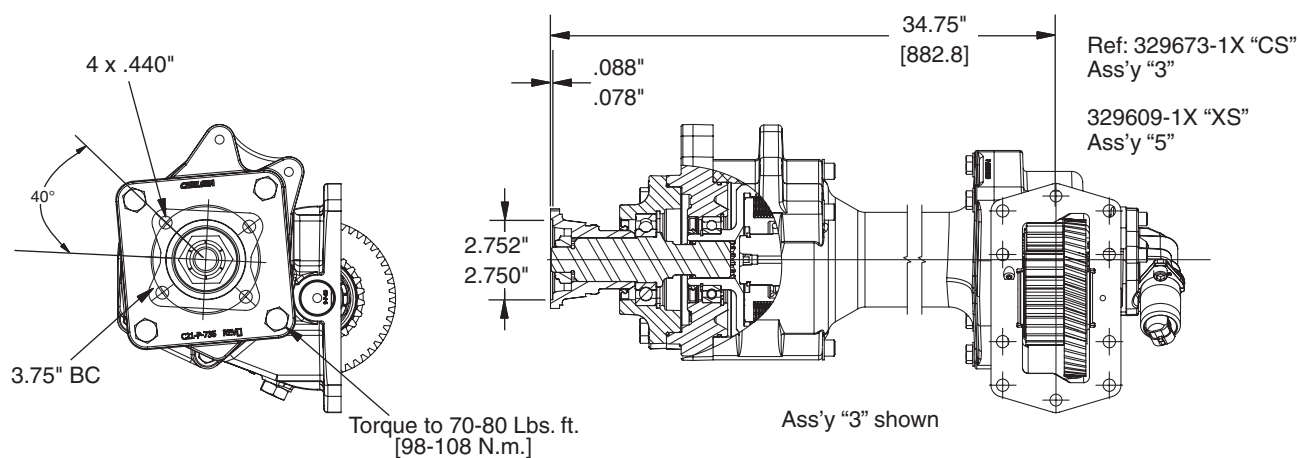
| Item | Part Number | Description                                  | Qty. |
|------|-------------|----------------------------------------------|------|
| 1    | 21-P-742    | Flange Pump “CS” .....                       | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....   | 1    |
| 3    | 379919      | Lockring .....                               | 1    |
| 4    | 2-P-867     | Gear Output 44T 1-1/4" - 14 Tooth “CS” ..... | 1    |
| 5    | 379668      | Lockring .....                               | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....       | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                   | 2    |



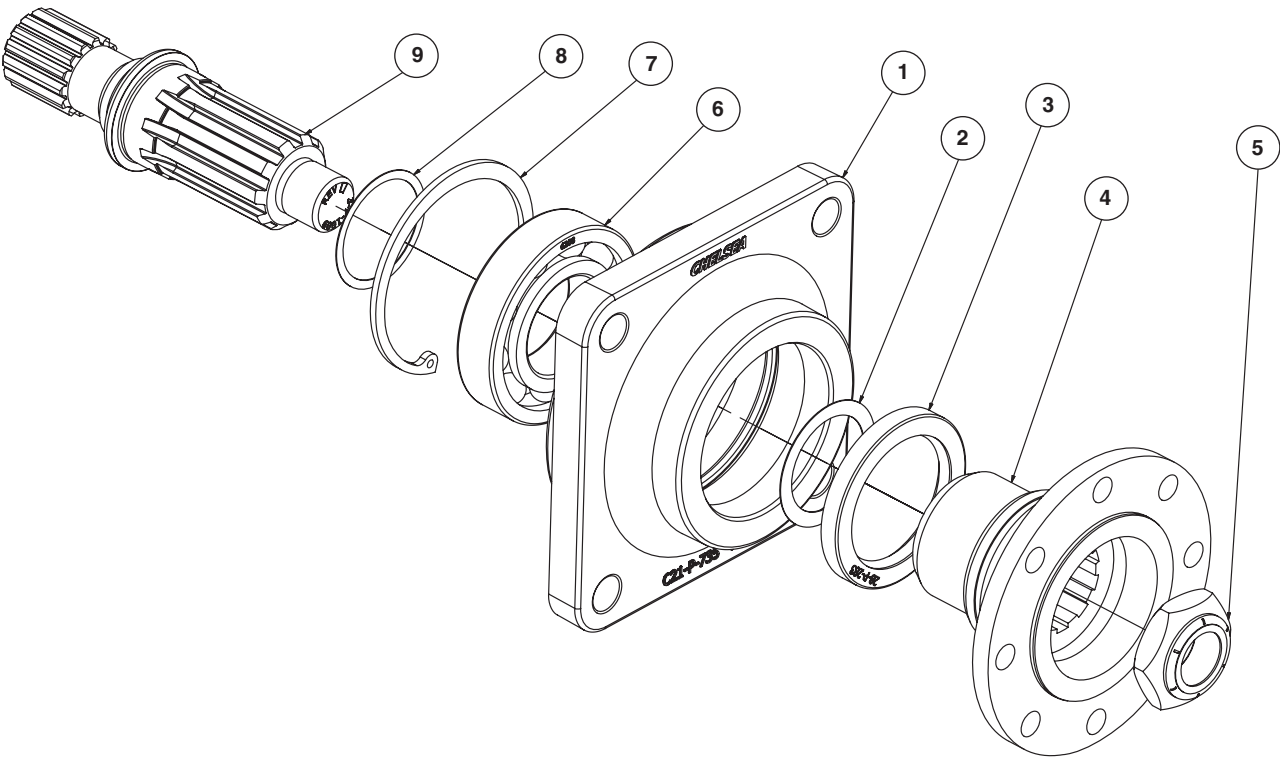
## 329608-1X "XV" S.A.E. 1410 Companion Flange



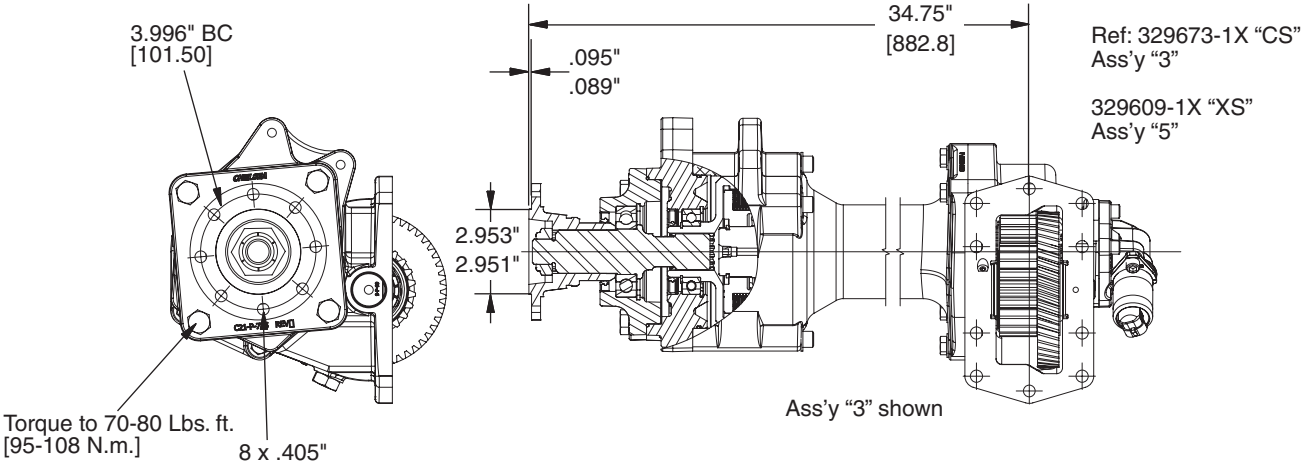
| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 21-P-736    | Cap Bearing "XV", "AB", "AC" .....         | 1    |
| 2    | 378161      | Gasket 4600 .....                          | 1    |
| 3    | 28-P-283    | Oil Seal 2.754" x 2.000" x .313" .....     | 1    |
| 4    | 3-1-3431    | Companion Flange 1410 .....                | 1    |
| 5    | 378382      | Nut Stop .875" - 14 .....                  | 1    |
| 6    | 561020      | Bearing Ball 1.574" x 3.149" x .708" ..... | 1    |
| 7    | 378836      | Lockring .....                             | 1    |
| 8    | 35-P-103    | Gasket Shaft .....                         | 1    |
| 9    | 3-P-1009    | Shaft Output 10T Straight .....            | 1    |



**329608-2X “AB” DIN 120 Companion Flange**

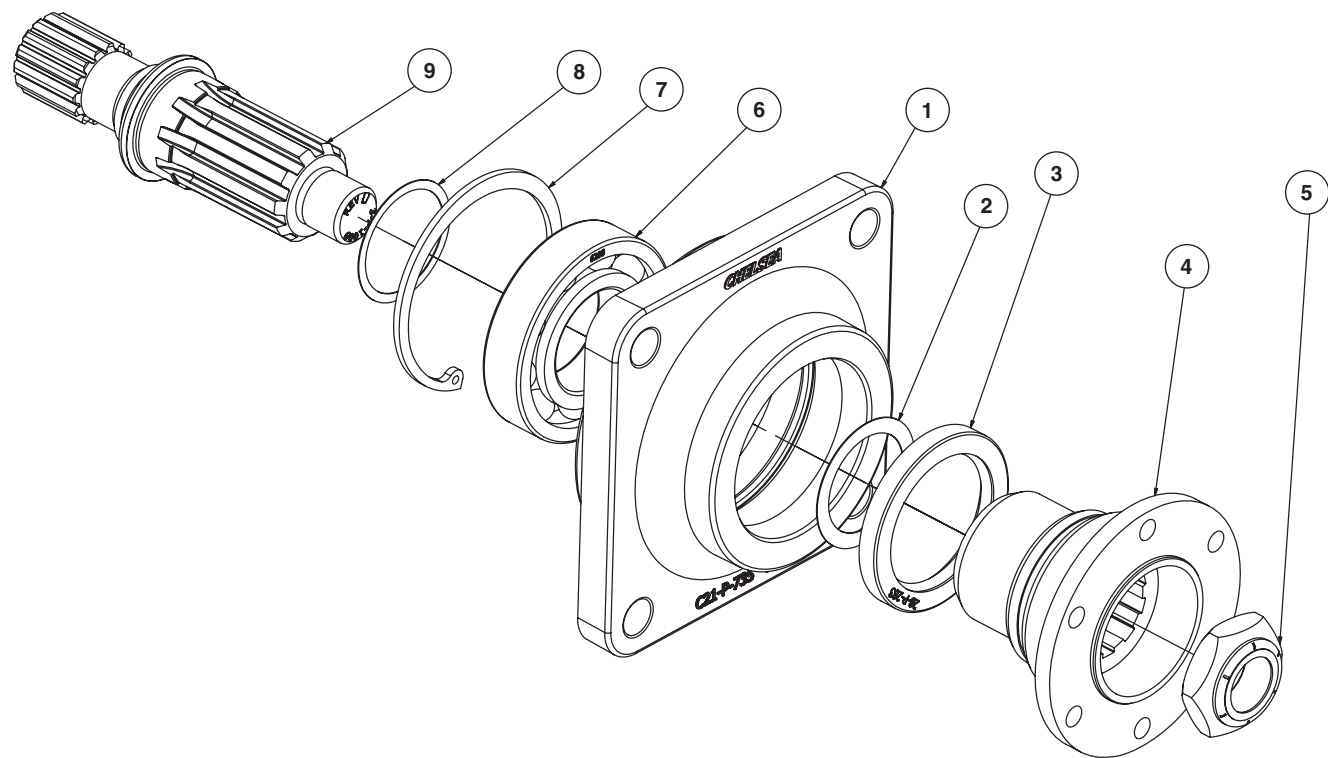


| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 21-P-736    | Cap Bearing “XV”, “AB”, “AC” .....         | 1    |
| 2    | 378161      | Gasket 4600.....                           | 1    |
| 3    | 28-P-283    | Oil Seal 2.754" x 2.000" x .313" .....     | 1    |
| 4    | 379558      | Companion Flange DIN 120 .....             | 1    |
| 5    | 378382      | Nut Stop .875" - 14 .....                  | 1    |
| 6    | 561020      | Bearing Ball 1.574" x 3.149" x .708" ..... | 1    |
| 7    | 378836      | Lockring .....                             | 1    |
| 8    | 35-P-103    | Gasket Shaft .....                         | 1    |
| 9    | 3-P-1009    | Shaft Output 10T Straight .....            | 1    |

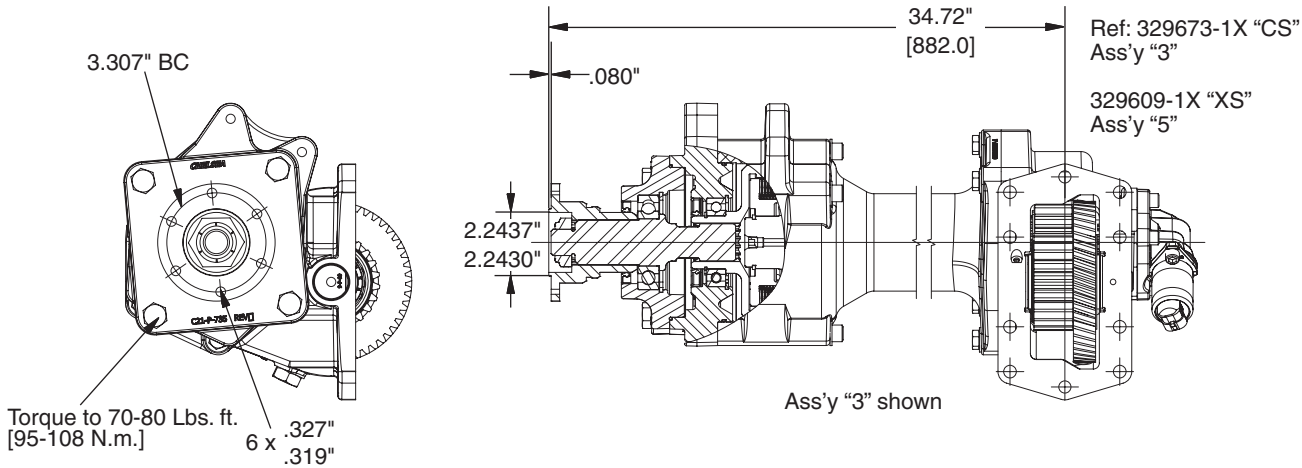


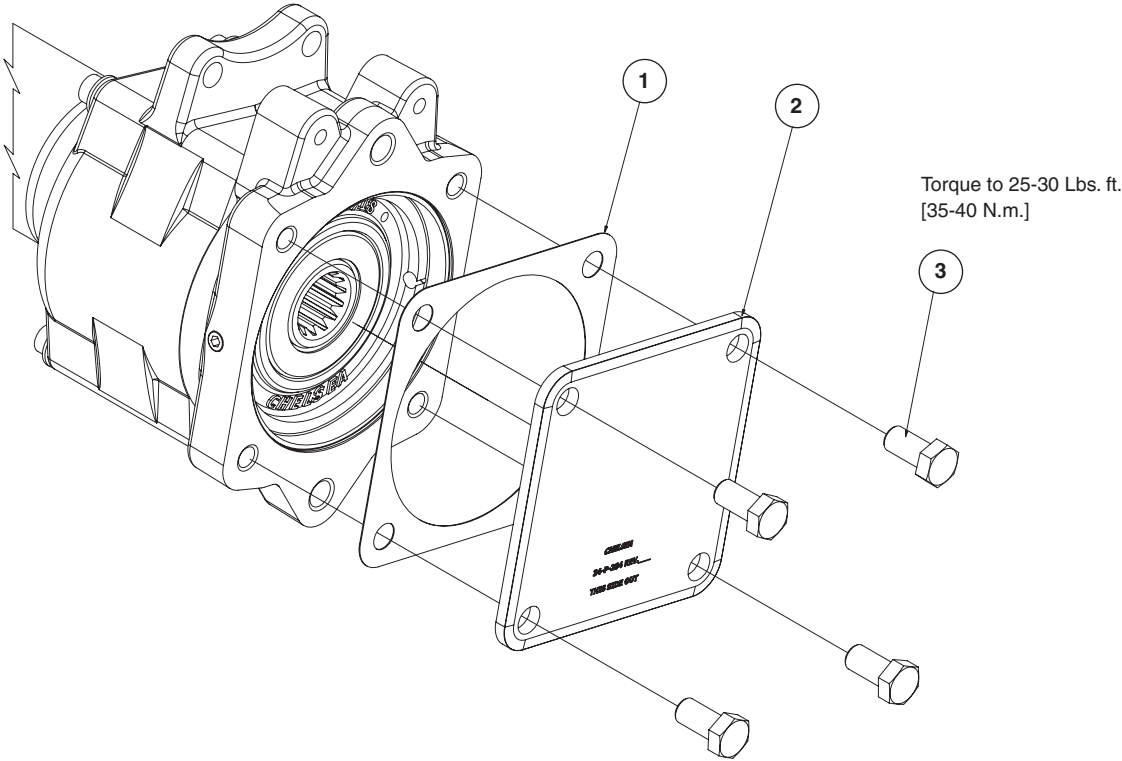


**329608-3X “AC” DIN 100 Companion Flange**



| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 21-P-736    | Cap Bearing “XV”, “AB”, “AC” .....         | 1    |
| 2    | 378161      | Gasket 4600.....                           | 1    |
| 3    | 28-P-283    | Oil Seal 2.754" x 2.000" x .313" .....     | 1    |
| 4    | 379742      | Companion Flange DIN 100 .....             | 1    |
| 5    | 378382      | Nut Stop .875" - 14 .....                  | 1    |
| 6    | 561020      | Bearing Ball 1.574" x 3.149" x .708" ..... | 1    |
| 7    | 378836      | Lockring .....                             | 1    |
| 8    | 35-P-103    | Gasket Shaft .....                         | 1    |
| 9    | 3-P-1009    | Shaft Output 10T Straight .....            | 1    |





**KITS:** 329654X "XS", "CS" Output  
329658X "XK", "CK", "AF", "CF", "AZ", "CZ" Output  
329659X "XY" Output

| Item | Part Number | Description                                           | Qty. |
|------|-------------|-------------------------------------------------------|------|
| 1    | 22-P-25-2   | Gasket "XS", "CS" Output.....                         | 1 or |
|      | 35-P-104    | Gasket "XK", "CK", "AF", "CF", "AZ", "CZ" Output..... | 1 or |
|      | 379943      | Gasket "XY" Output.....                               | 1    |
| 2    | 34-P-284    | Cover "XS", "CS" .....                                | 1 or |
|      | 34-P-285    | Cover "XK", "CK", "AF", "CF", "AZ", "CZ" .....        | 1 or |
|      | 379940      | Cover "XY" .....                                      | 1    |
| 3    | 378433-10   | Capscrew "XS", "CS" .....                             | 1 or |
|      | 378433-10   | Capscrew "XK", "CK", "AF", "CF", "AZ", "CZ" .....     | 1 or |
|      | 379579-4    | Capscrew "XY" .....                                   | 1    |

## 892 Gear Chart

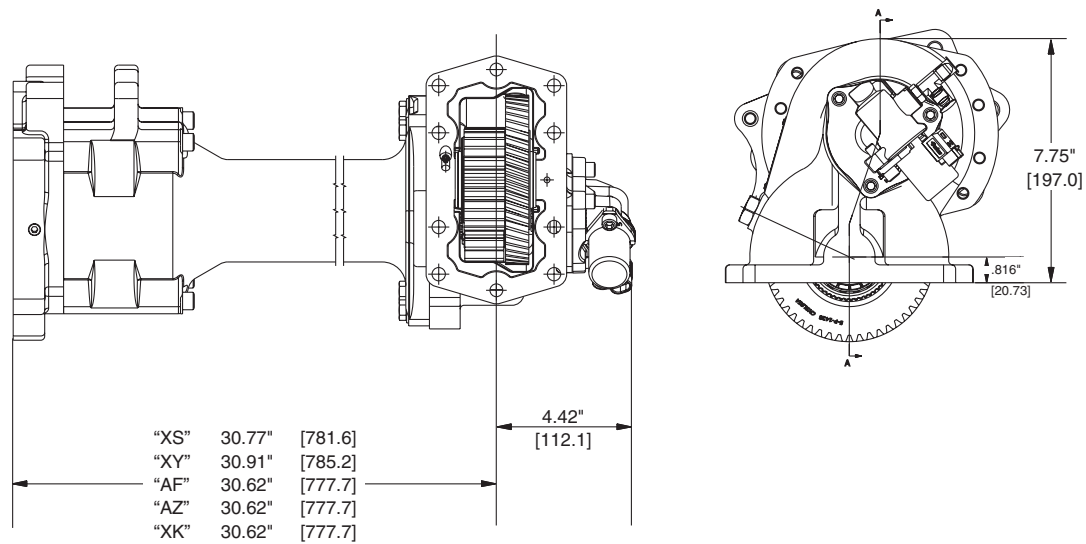
| GEAR DESIGNATOR | INPUT GEAR (8) | NO. TEETH | RATIO GEAR (9) | NO. TEETH | OUTPUT GEAR (6) | NO. TEETH |
|-----------------|----------------|-----------|----------------|-----------|-----------------|-----------|
| 892*AFJ         | 5-P-1428       | 50        | 5-P-1429       | 24        | 2-P-862         | 40        |
| 892*BFJ         | 5-P-1428       | 50        | 5-P-1438       | 25        | 2-P-872         | 39        |
| 892*CFJ         | 5-P-1428       | 50        | 5-P-1439       | 26        | 2-P-873         | 38        |
| 892*DFJ         | 5-P-1428       | 50        | 5-P-1440       | 27        | 2-P-874         | 37        |
| 892*EFJ         | 5-P-1428       | 50        | 5-P-1432       | 29        | 2-P-865         | 35        |
| 892*FFJ         | 5-P-1428       | 50        | 5-P-1433       | 31        | 2-P-866         | 33        |
| 892*GFJ         | 5-P-1428       | 50        | 5-P-1457       | 33        | 2-P-888         | 31        |
| 892*HFJ         | 5-P-1428       | 50        | 5-P-1455       | 34        | 2-P-881         | 30        |

G and H ratios only available on MD transmissions

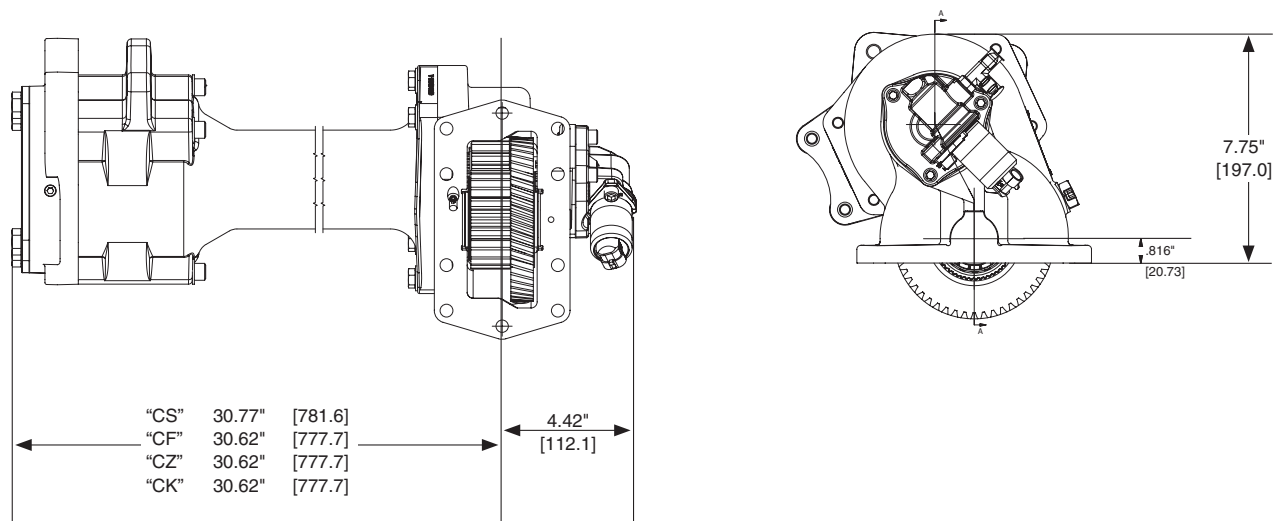
See [Page 1](#), 892 Exploded view, callouts (6), (8) and (9)

## Housing Dimensions

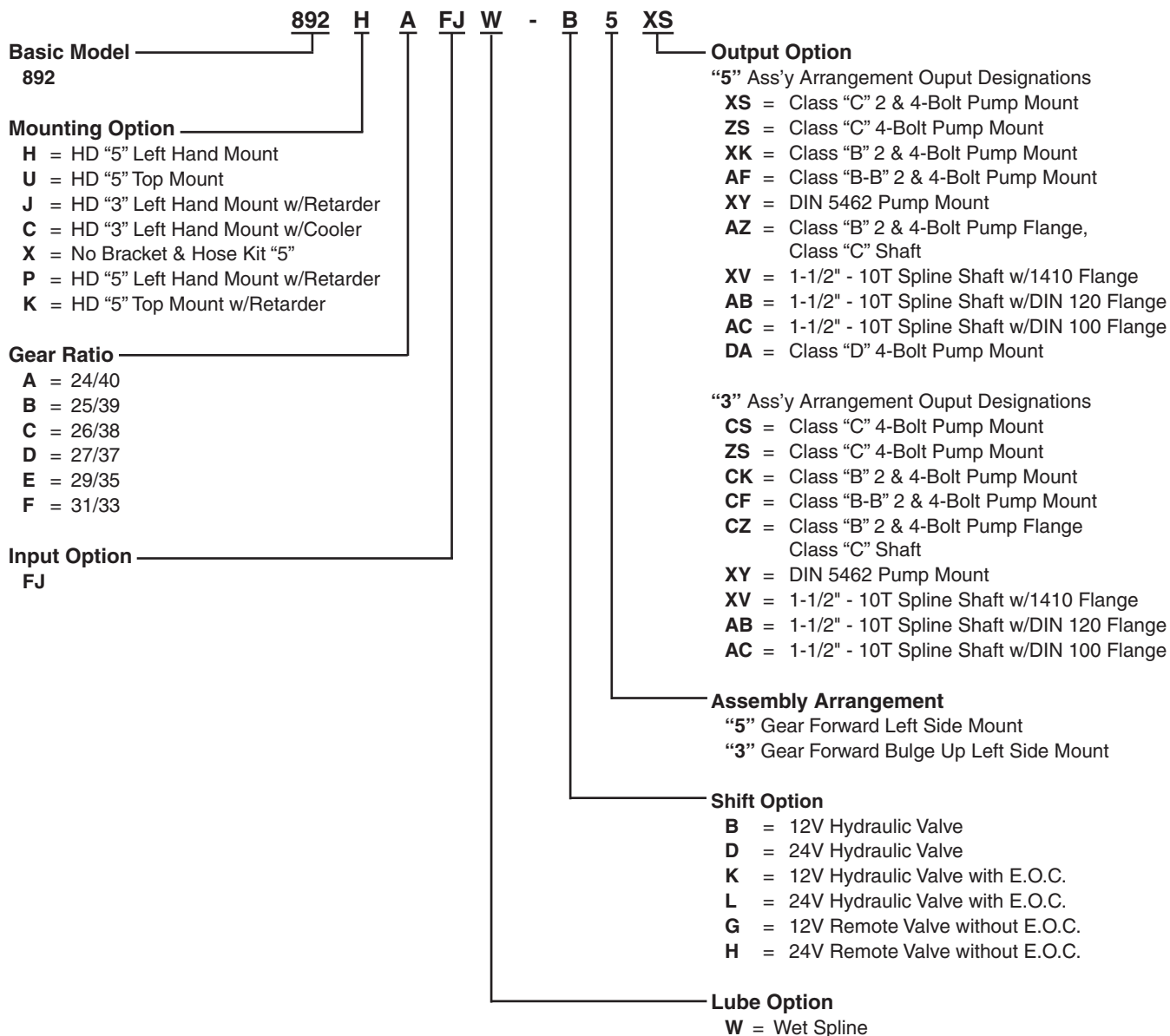
## 892 Series



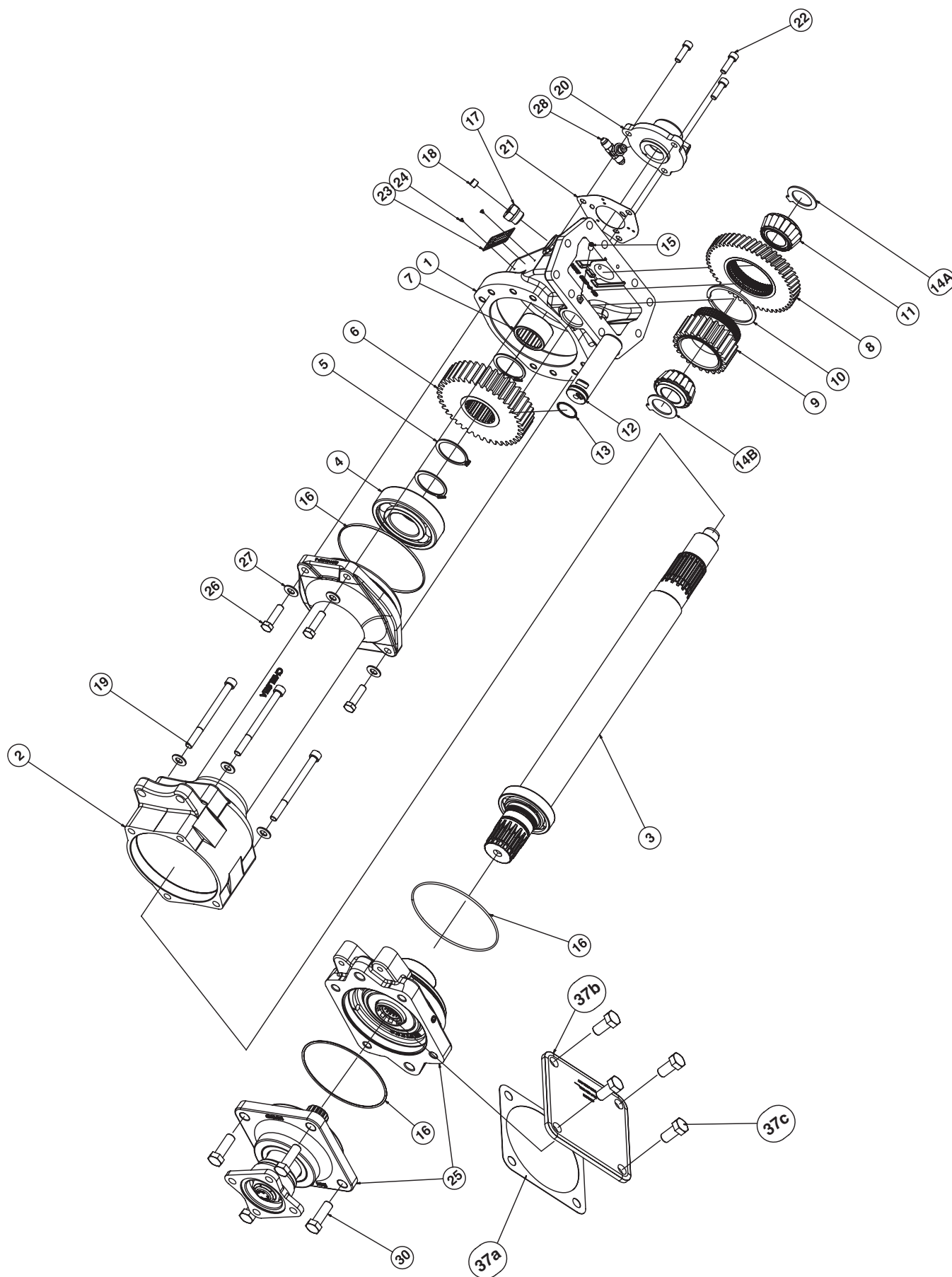
## 892C Series



## Model Number Designation



[illegible]



## Bill of Materials

Parts List  
899 Series

| Item | Part Number     | Description                                                                | Qty. |
|------|-----------------|----------------------------------------------------------------------------|------|
| 1    | 1-P-629         | Housing "5" Arrangement .....                                              | 1    |
|      | 1-P-631         | Housing "3" Arrangement .....                                              | 1    |
|      | 1-P-658         | Housing .....                                                              | 1    |
| 2    | 54-P-25         | Retainer Bearing 899 .....                                                 | 1    |
|      | 54-P-32         | Retainer Bearing 899 w/Retarder.....                                       | 1    |
| 3    | 329662X         | Ass'y Drive Shaft.....                                                     | 1    |
| 4    | 550026          | Bearing Ball 1.771" x 3.930" x .984" .....                                 | 1    |
| 5    | 379668          | Lockring.....                                                              | 3    |
| 6    | See Chart Pg 40 | Gear Output .....                                                          | 1    |
| 7    | 560972          | Bearing Needle Roller Ass'y 1.500" x 1.875" x 1.000" .....                 | 1    |
| 8    | See Chart Pg 40 | Gear Input .....                                                           | 1    |
| 9    | See Chart Pg 40 | Gear Ratio.....                                                            | 1    |
| 10   | 380064          | Lockring.....                                                              | 1    |
| 11   | 561026          | Bearing Tapered Cone 1.181" x .984" .....                                  | 2    |
| 12   | 9-P-99          | Shaft Idler 1.180" .....                                                   | 1    |
| 13   | 28-P-42         | O-Ring 1.051" x .070" .....                                                | 1    |
| 14A  | 14-P-82-1       | Spacer 1.191" x 1.75" x .080" .....                                        | 1    |
| 14B  | 14-P-82-1       | Spacer 1.191" x 1.75" x .080" Thickness as Required .....                  | A.R. |
|      | 14-P-82-2       | Spacer 1.191" x 1.75" x .085" .....                                        | A.R. |
|      | 14-P-82-3       | Spacer 1.191" x 1.75" x .090" .....                                        | A.R. |
|      | 14-P-82-4       | Spacer 1.191" x 1.75" x .094" .....                                        | A.R. |
| 15   | 378452-7        | Set Screw SH .250" - 20 - .500".....                                       | 1    |
| 16   | 28-P-245        | O-Ring 5.017" x .103" All Pump Flange Outputs.....                         | 2    |
| 16   | 28-P-245        | O-Ring 5.017" x .103" ("XV", "AB", "AC" Outputs) All Companion Flange..... | 3    |
| 17   | 379242          | Adapter Straight .125" - 27 x .750" - 16 .....                             | 1    |
| 18   | 379231          | Plug Pipe .125" - 27 .....                                                 | 1    |
| 19   | 379433-18       | Capscrew SH .375" - 16 x 4.500".....                                       | 4    |
| 20   | 21-P-690        | Cap Seal 866 .....                                                         | 1    |
| 21   | 22-P-112        | Gasket.....                                                                | 1    |
| 22   | 378447-6        | Capscrew SH .312" - 18 x 1.000".....                                       | 3    |
| 23   | 68-P-51         | Plate Name .....                                                           | 1    |
| 24   | 378422          | Screw Drive .....                                                          | 2    |
| 25   | See Pg 24-32    | Ass'y Output.....                                                          | 1    |
| 26   | 378431-13       | Capscrew HH .375" - 16 x 1.375" .....                                      | 4    |
| 27   | 380076-07       | Washer Flat Hardened .410" x .816" x .066".....                            | 8    |
| 28   | 379556          | Tee .438" - 20 .....                                                       | 1    |
| 29   | 379564-2        | Cap Thread .438" .....                                                     | 2    |
| 30   | 378433-14       | Capscrew HH .500" - 13 x 1.500" ("XV", "AB", "AC" Outputs) .....           | 4    |

A.R. — As Required

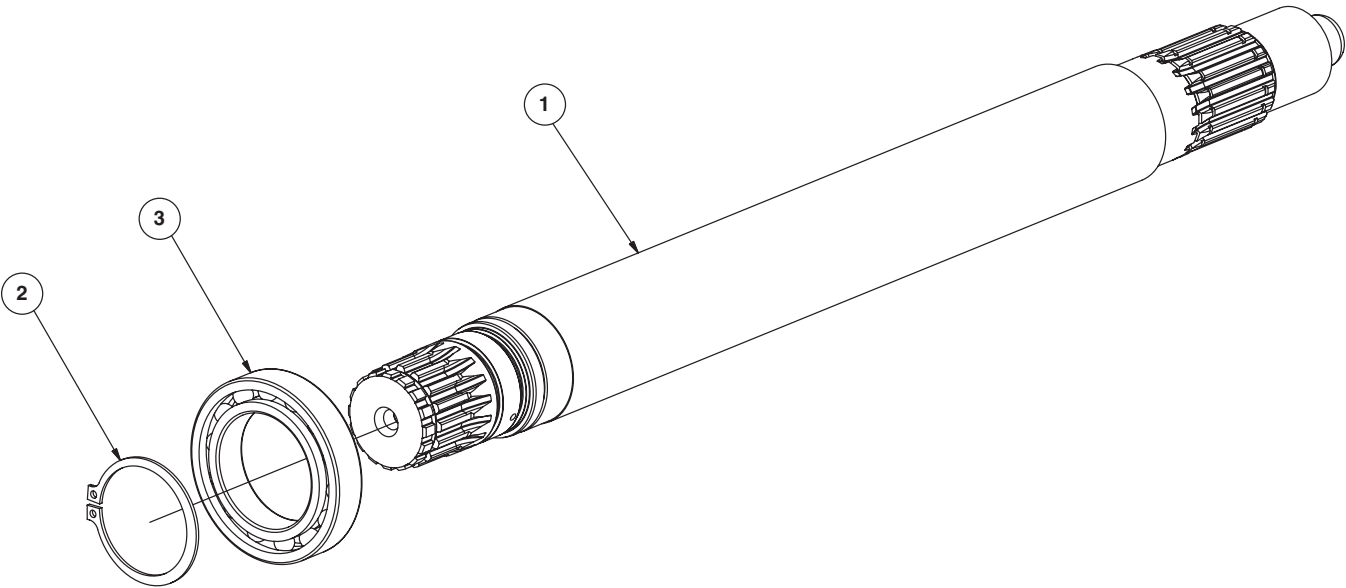
Continued on Next Page



**Bill of Materials****Parts List  
899 Series**

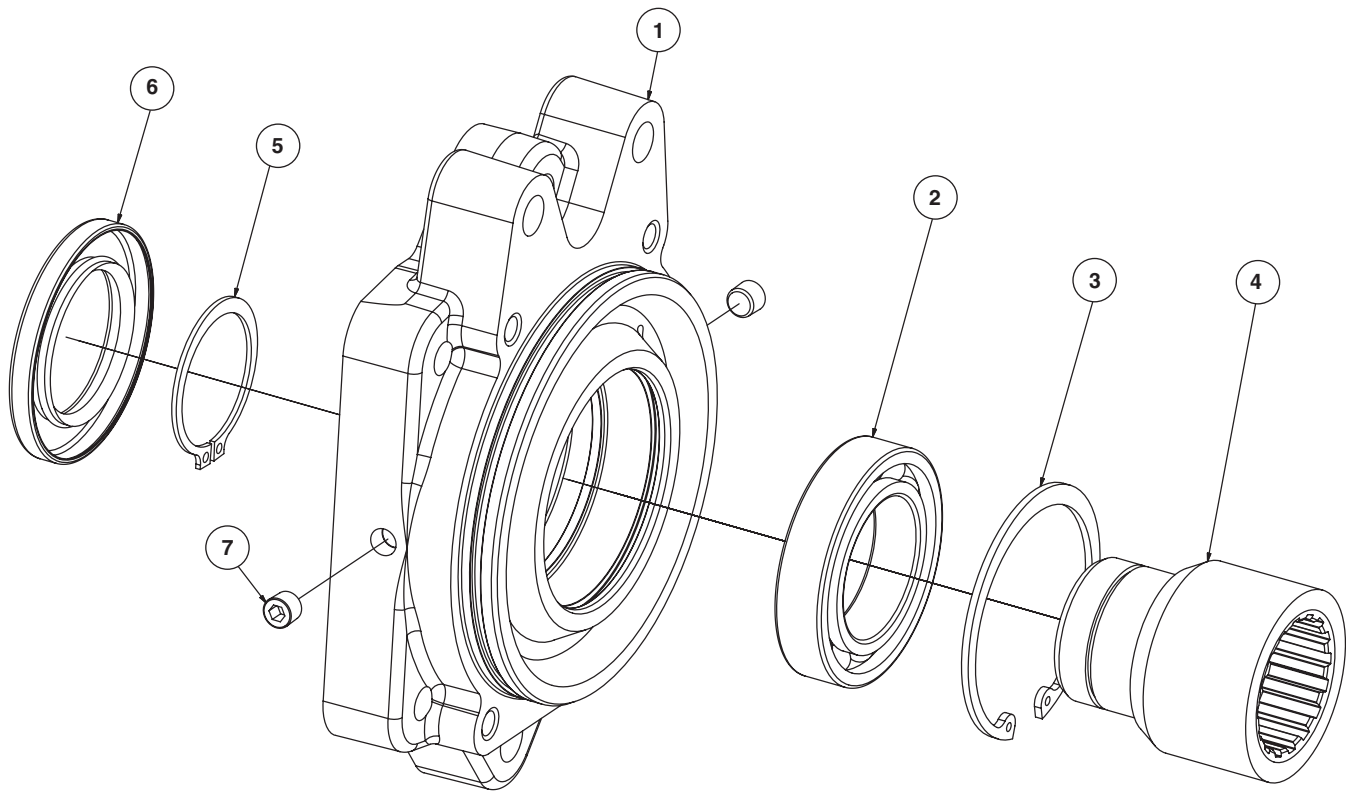
| Item | Part Number       | Description                                                                        | Qty. |
|------|-------------------|------------------------------------------------------------------------------------|------|
|      |                   | <b>LOOSE PARTS</b>                                                                 |      |
|      | <b>328948-36X</b> | Kit Gasket & Installation (All) .....                                              | 1    |
|      | <b>7170-86X</b>   | Kit Mounting (All) .....                                                           | 1    |
|      | <b>329645-8X</b>  | Kit Bracket & Hose ("H" Mount).....                                                | 1    |
|      | <b>329645-9X</b>  | Kit Bracket & Hose ("U" Mount) .....                                               | 1    |
|      | <b>329645-10X</b> | Kit Bracket & Hose ("J" Mount) .....                                               | 1    |
|      | <b>329645-11X</b> | Kit Bracket & Hose ("K" Mount).....                                                | 1    |
|      | <b>329645-16X</b> | Kit Bracket & Hose ("U" Mount) .....                                               | 1    |
|      | <b>329645-19X</b> | Kit Bracket & Hose ("P" Mount).....                                                | 1    |
| 37   | <b>329654X</b>    | Kit Cover ("XS" Outputs) .....                                                     | 1    |
| 37a  | <b>22-P-25-2</b>  | P.T.O. Housing Gasket .....                                                        | 1    |
| 37b  | <b>34-P-284</b>   | Cover Plate "XS" .....                                                             | 1    |
| 37c  | <b>329722X</b>    | Hex Capscrew 0.5" - 13 x 10" .....                                                 | 4    |
|      |                   | <b>SERVICE PARTS</b>                                                               |      |
|      | <b>329071-46X</b> | Kit Gasket & Seal ("XS", "XK", "AF", "AZ" Outputs) All from Supplied Outputs ..... | 1    |
|      | <b>329071-47X</b> | Kit Gasket & Seal ("XY" Output).....                                               | 1    |
|      | <b>329071-48X</b> | Kit Bearing ("XS", "XK", "AF", "AZ" Outputs) .....                                 | 1    |
|      | <b>329071-49X</b> | Kit Bearing ("XY" Output) .....                                                    | 1    |
|      | <b>329071-51X</b> | Kit Bearing ("XV", "AB", "AC" Outputs) .....                                       | 1    |
|      | <b>329071-52X</b> | Kit Gasket & Seal ("XV", "AB", "AC" Outputs).....                                  | 1    |
|      | <b>329071-53X</b> | Kit Bearing ("DA" Output) .....                                                    | 1    |
|      | <b>329071-54X</b> | Kit Gasket & Seal ("DA" Output).....                                               | 1    |
|      | <b>329160-63X</b> | Kit Conversion "XS" to "XV" ("XS" Output).....                                     | 1    |
|      | <b>329160-64X</b> | Kit Conversion "XS" to "AB" ("XS" Output).....                                     | 1    |
|      | <b>329160-65X</b> | Kit Conversion "XS" to "AC" ("XS" Output) .....                                    | 1    |

**329655X Drive Shaft Assembly**

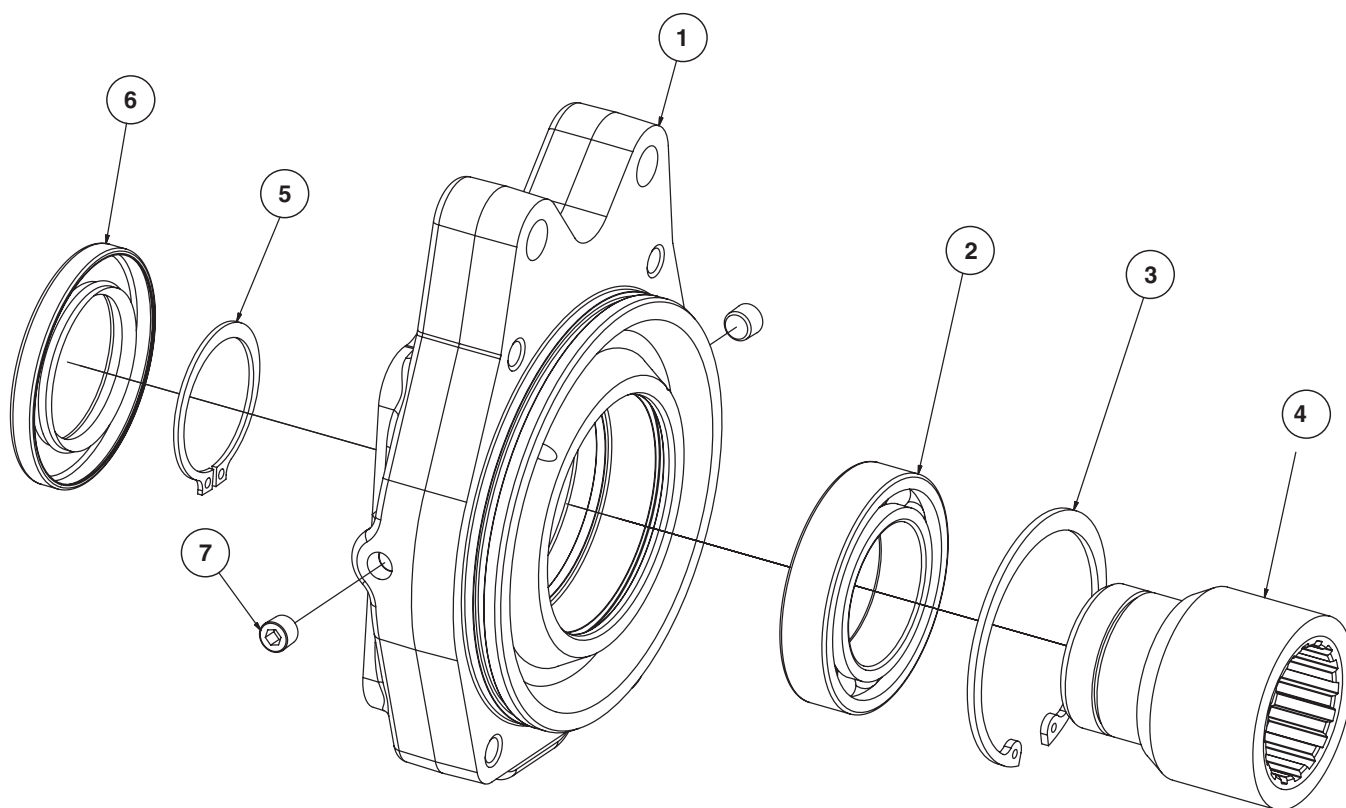


| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 3-P-1007    | Shaft Output.....                          | 1    |
| 2    | 380070      | Lockring .....                             | 1    |
| 3    | 561028      | Bearing Ball 1.969" x 3.150" x .630" ..... | 1    |

**329657-1X “XS” S.A.E. “C” 2 or 4-Bolt 1.25" - 14 Tooth**

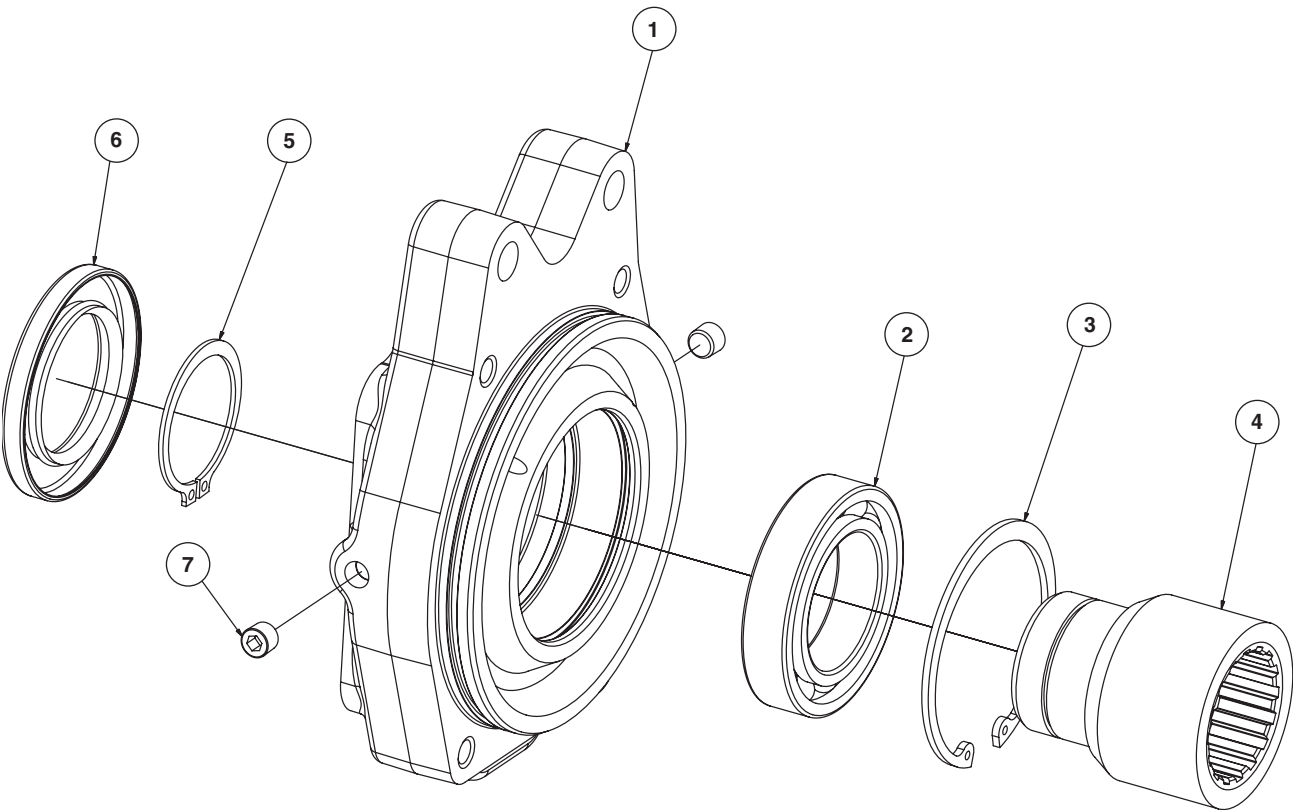


| Item | Part Number | Description                                 | Qty. |
|------|-------------|---------------------------------------------|------|
| 1    | 21-P-717    | Flange Pump “XS” .....                      | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....  | 1    |
| 3    | 379919      | Lockring .....                              | 1    |
| 4    | 380094      | Coupling “XS” Output 1-1/4" - 14T/16T ..... | 1    |
| 5    | 379668      | Lockring .....                              | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....      | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                  | 2    |

**329657-2X "XK" S.A.E. "B" 2 or 4-Bolt 7/8" - 13 Tooth**

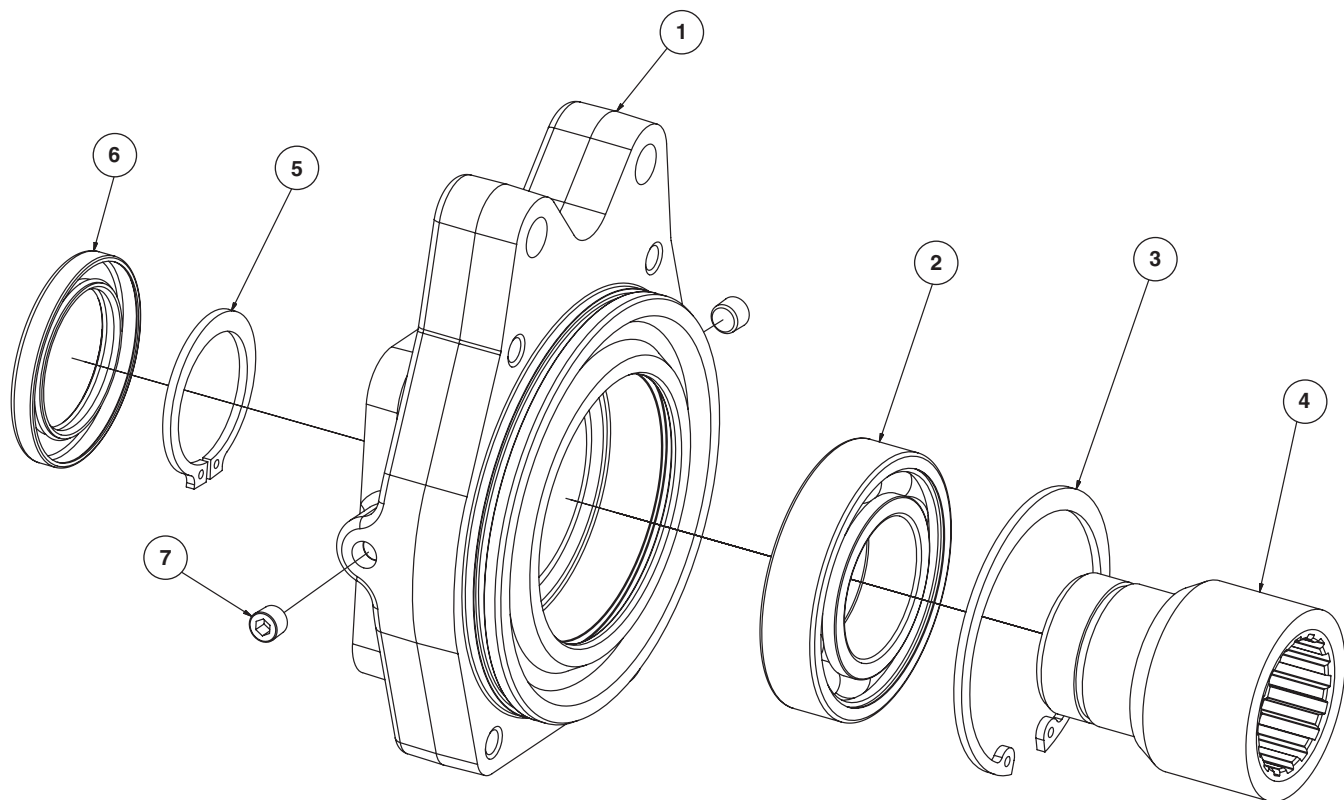
| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 21-P-723    | Flange Pump "XK".....                      | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" ..... | 1    |
| 3    | 379919      | Lockring .....                             | 1    |
| 4    | 380092      | Coupling "XK" Output 7/8" - 13T/16T .....  | 1    |
| 5    | 379668      | Lockring .....                             | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....     | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                 | 2    |

**329657-3X “AF” S.A.E. “B-B” 2 or 4-Bolt 1.00" - 15 Tooth**



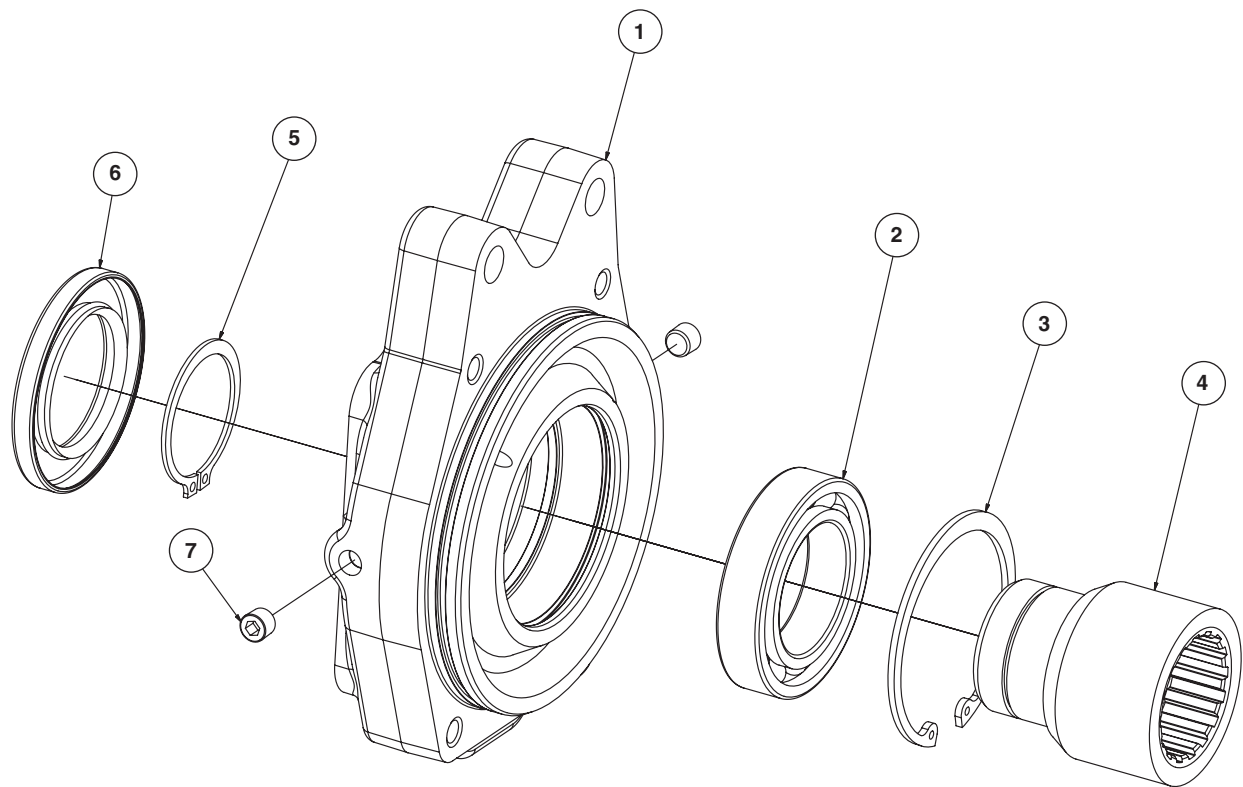
| Item | Part Number | Description                                 | Qty. |
|------|-------------|---------------------------------------------|------|
| 1    | 21-P-723    | Flange Pump “AF” .....                      | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....  | 1    |
| 3    | 379919      | Lockring .....                              | 1    |
| 4    | 380093      | Coupling “AF” Output 1.000" - 15T/16T ..... | 1    |
| 5    | 379668      | Lockring .....                              | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....      | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                  | 2    |

**329657-4X “XY” DIN 5462 4-Bolt 1.25" - 8 Tooth**



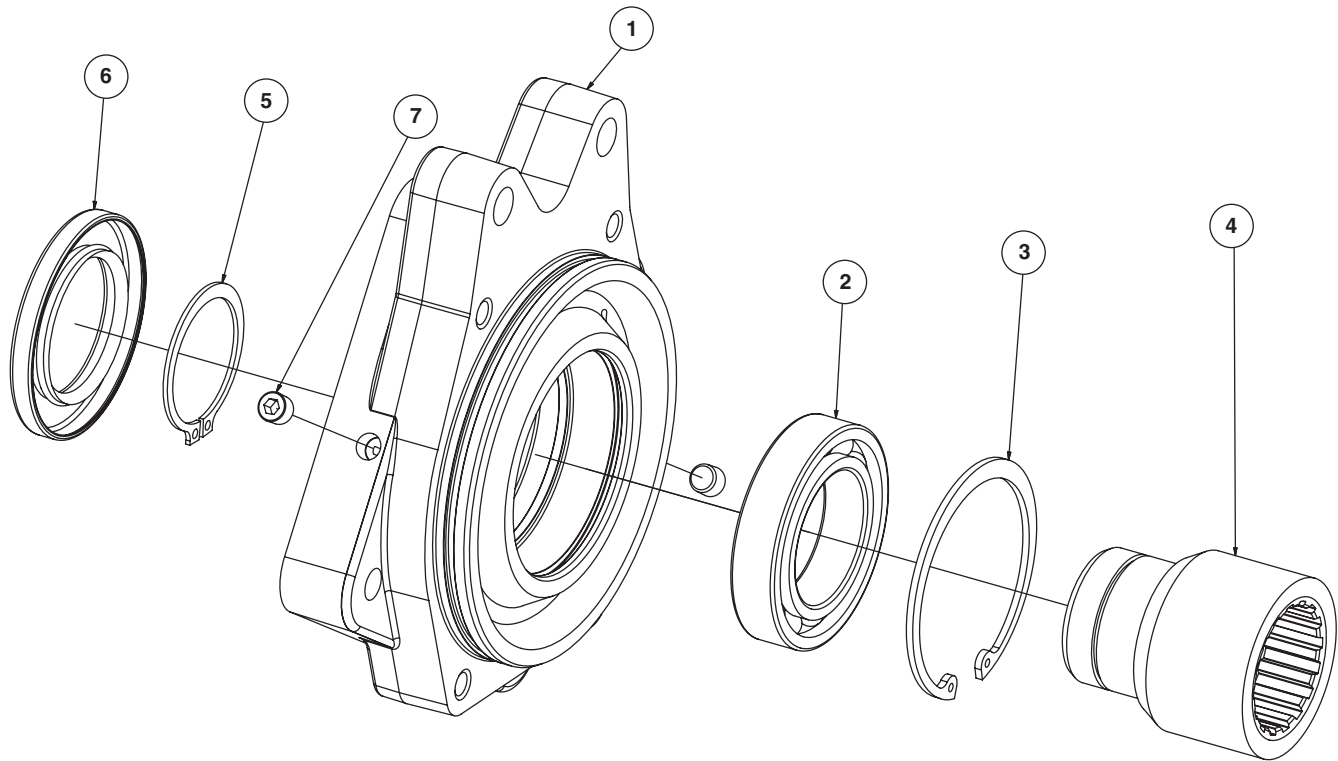
| Item | Part Number | Description                                | Qty. |
|------|-------------|--------------------------------------------|------|
| 1    | 21-P-725    | Flange Pump “XY”.....                      | 1    |
| 2    | 550311      | Bearing Ball 1.770" x 3.346" x .748" ..... | 1    |
| 3    | 378263      | Lockring .....                             | 1    |
| 4    | 380095      | Coupling “XY” Output 8T Straight 16T ..... | 1    |
| 5    | 379555      | Lockring .....                             | 1    |
| 6    | 28-P-267    | Oil Seal 2.627" x 1.750" x .312" .....     | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                 | 2    |

**329657-5X “AZ” S.A.E. “B” 2 or 4-Bolt 1-1/4" - 14 Tooth**

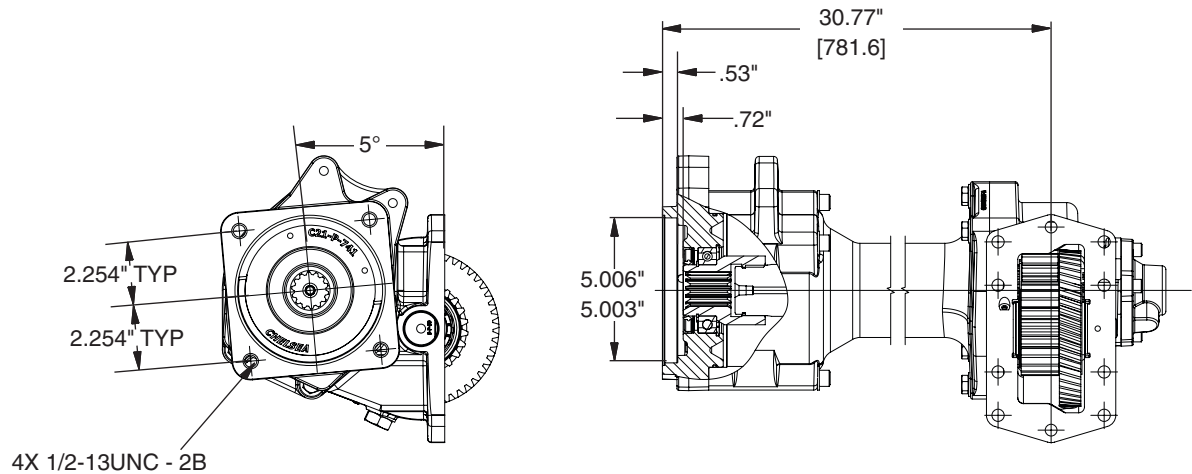


| Item | Part Number | Description                                 | Qty. |
|------|-------------|---------------------------------------------|------|
| 1    | 21-P-723    | Flange Pump “AZ” .....                      | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....  | 1    |
| 3    | 379919      | Lockring .....                              | 1    |
| 4    | 380094      | Coupling “AZ” Output 1-1/4" - 14T/16T ..... | 1    |
| 5    | 379668      | Lockring .....                              | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....      | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                  | 2    |

**329677-1X (“CS”) S.A.E. “C” 4-Bolt 1-1/4" - 14 Tooth**

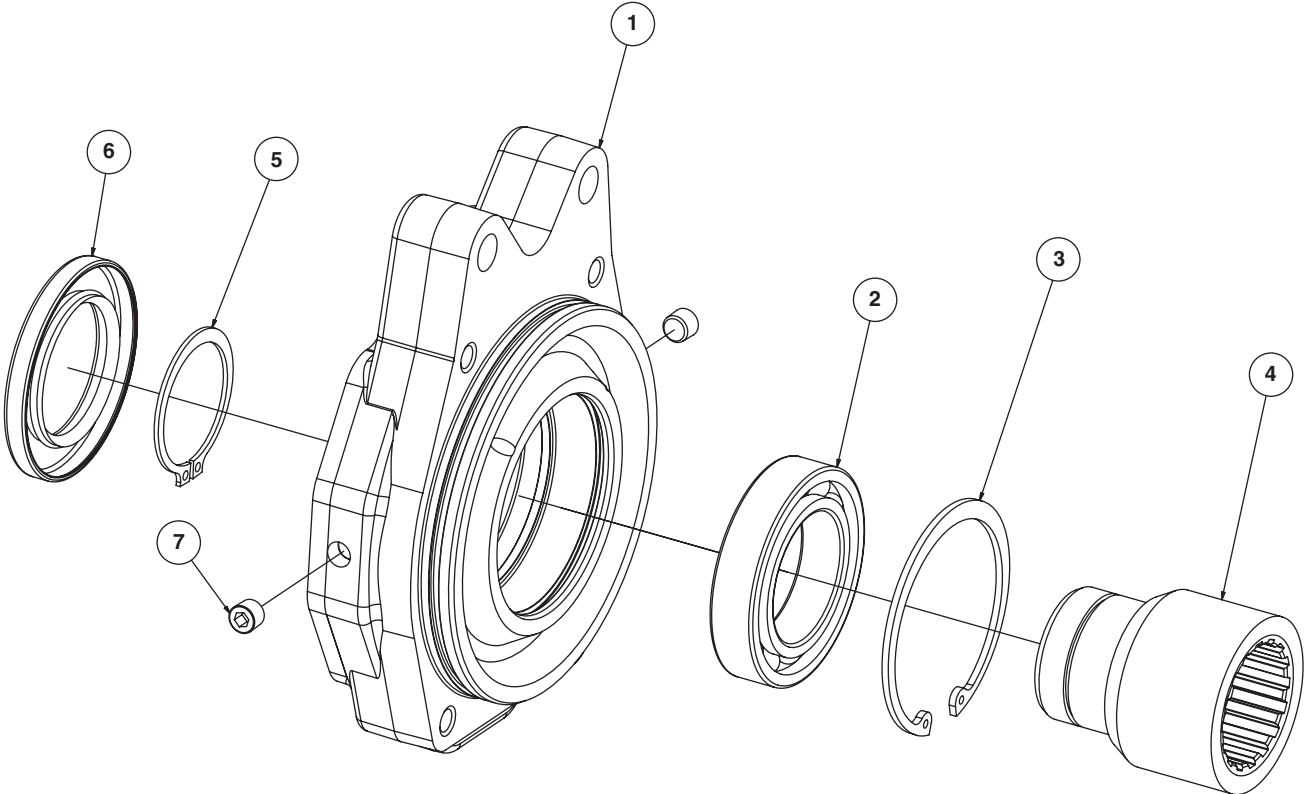


| Item | Part Number | Description                                 | Qty. |
|------|-------------|---------------------------------------------|------|
| 1    | 21-P-742    | Flange Pump “CS” .....                      | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....  | 1    |
| 3    | 379919      | Lockring .....                              | 1    |
| 4    | 380094      | Coupling “XS” Output 1-1/4" - 14T/16T ..... | 1    |
| 5    | 379668      | Lockring .....                              | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....      | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                  | 2    |

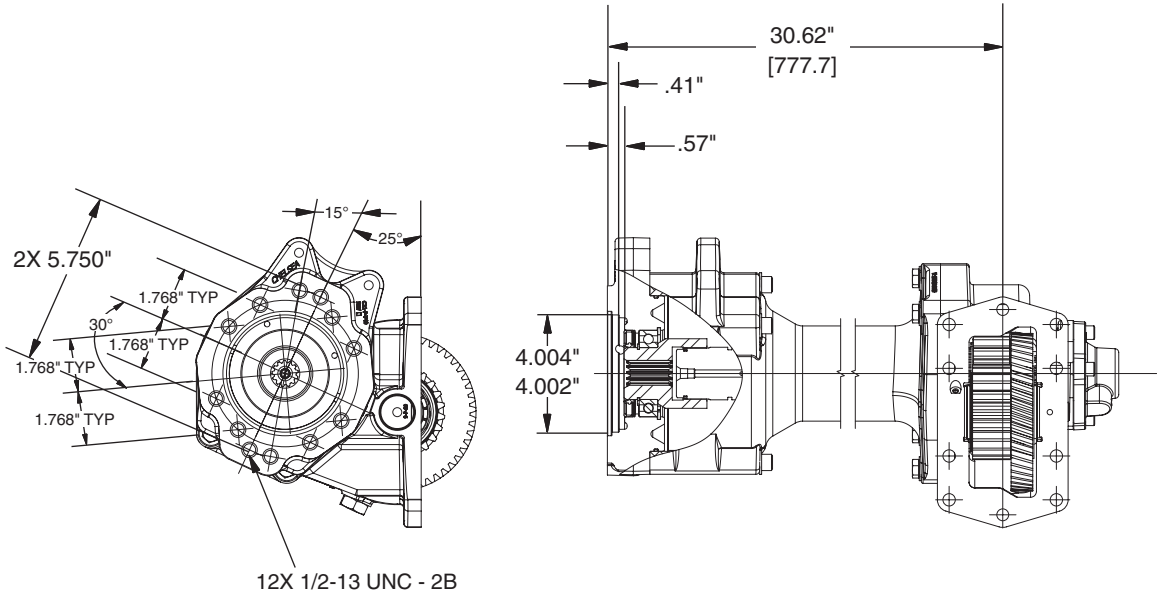




**329677-2X “CK” S.A.E. “B” 2 or 4-Bolt 7/8" - 13 Tooth**



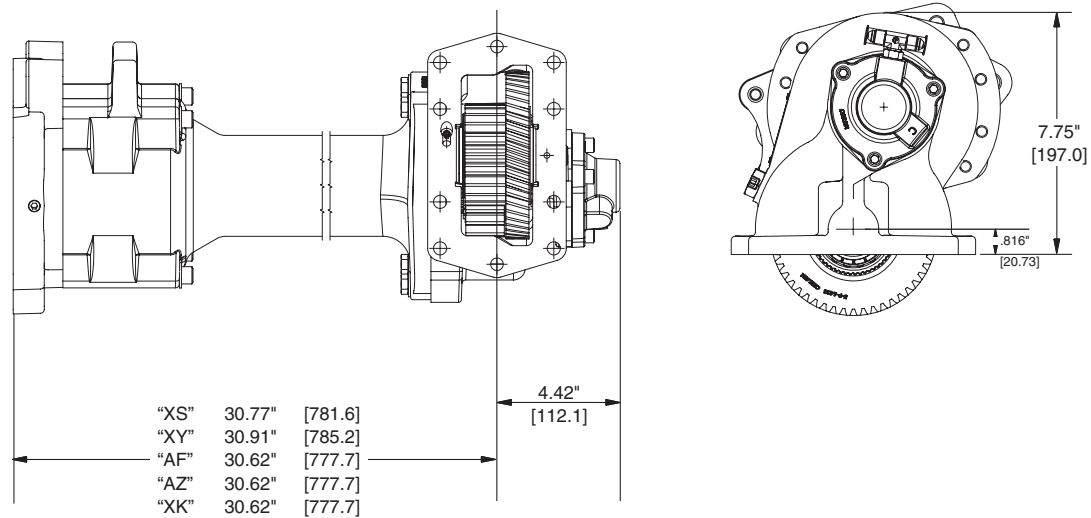
| Item | Part Number | Description                                 | Qty. |
|------|-------------|---------------------------------------------|------|
| 1    | 21-P-739    | Flange Pump “CK” .....                      | 1    |
| 2    | 561018      | Bearing Ball 1.772" x 2.953" x .630" .....  | 1    |
| 3    | 379919      | Lockring .....                              | 1    |
| 4    | 380092      | Coupling “XK” Output 1-1/4" - 14T/16T ..... | 1    |
| 5    | 379668      | Lockring .....                              | 1    |
| 6    | 28-P-278    | Oil Seal 2.953" x 1.772" x .315" .....      | 1    |
| 7    | 379231      | Plug Pipe .125" - 27 .....                  | 2    |

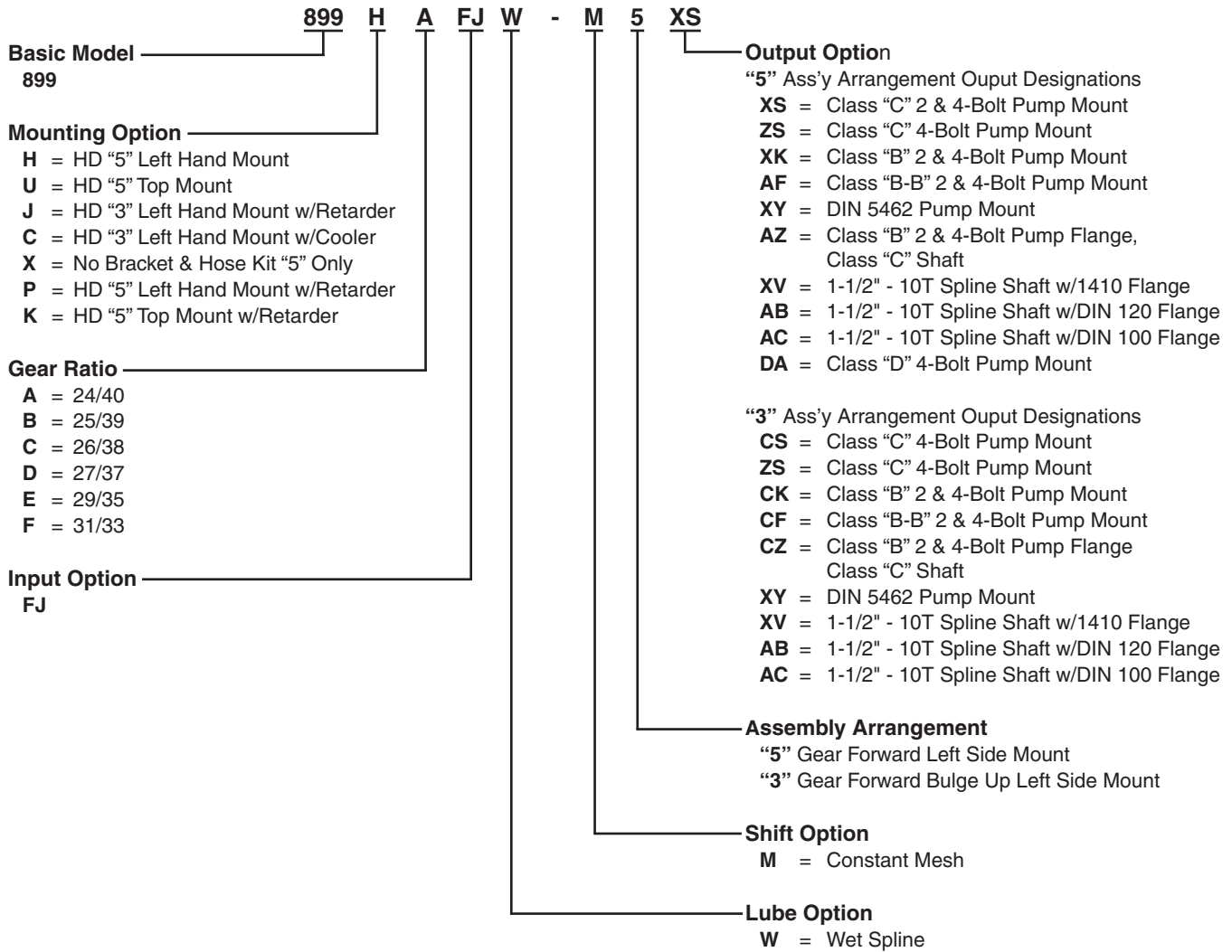


**899 Gear Chart**

| GEAR DESIGNATOR | INPUT GEAR (8) | NO. TEETH | RATIO GEAR (9) | NO. TEETH | OUTPUT GEAR (6) | NO. TEETH |
|-----------------|----------------|-----------|----------------|-----------|-----------------|-----------|
| 899*AFJ         | 5-P-1428       | 50        | 5-P-1429       | 24        | 2-P-862         | 40        |
| 899*BFJ         | 5-P-1428       | 50        | 5-P-1438       | 25        | 2-P-872         | 39        |
| 899*CFJ         | 5-P-1428       | 50        | 5-P-1439       | 26        | 2-P-873         | 38        |
| 899*DFJ         | 5-P-1428       | 50        | 5-P-1440       | 27        | 2-P-874         | 37        |
| 899*EFJ         | 5-P-1428       | 50        | 5-P-1432       | 29        | 2-P-865         | 35        |
| 899*FFJ         | 5-P-1428       | 50        | 5-P-1433       | 31        | 2-P-866         | 33        |

See [Page 23](#), 899 Exploded view, callouts (6), (8) and (9)

**Housing Dimensions**

**Model Number Designation**

|                   |  |                                          |   |                   |  |                                              |    |
|-------------------|--|------------------------------------------|---|-------------------|--|----------------------------------------------|----|
| <b>329024-12X</b> |  | 12V Installation Kit ("B" Shift Option)  |   | <b>329071-47X</b> |  | Gasket & Seal Kit ("XY" Output)              |    |
| 378881            |  | Rocker Switch.....                       | 1 | 22-P-112          |  | Gasket Valve Cap .....                       | 1  |
| 378978            |  | Indicator.....                           | 1 | 28-P-42           |  | O-Ring 1.051" x .070" .....                  | 1  |
| 379252            |  | Butt Connector.....                      | 1 | 28-P-119          |  | Oil Seal 1.379" x .875" x .249" .....        | 1  |
| 379257            |  | Splice Connector .....                   | 1 | 28-P-178          |  | O-Ring 4.484" x .138" .....                  | 1  |
| 379265            |  | Grommet.....                             | 1 | 28-P-245          |  | O-Ring 5.017" x .103" .....                  | 2  |
| 379306            |  | Fork Connector.....                      | 3 | 28-P-267          |  | Oil Seal 2.627" x 1.750" x .312" .....       | 1  |
| 379336            |  | Switch Bracket.....                      | 1 | 28-P-285          |  | O-Ring 1.597" x .103" .....                  | 2  |
| 379502            |  | Pressure Switch.....                     | 1 |                   |  |                                              |    |
| 379504            |  | Valve Connector .....                    | 1 | <b>329071-48X</b> |  | Bearing Kit ("XS", "XK", "AF", "AZ" Outputs) |    |
| 379900            |  | Ass'y Fuse.....                          | 1 | 379668            |  | Lockring .....                               | 4  |
| 379254-17         |  | Fork Terminal.....                       | 1 | 379919            |  | Lockring .....                               | 1  |
|                   |  |                                          |   | 380070            |  | Lockring .....                               | 1  |
|                   |  |                                          |   | 550026            |  | Bearing Ball 1.771" x 3.937" x .984" .....   | 1  |
|                   |  |                                          |   | 560972            |  | Bearing Needle Roller Ass'y                  |    |
| <b>329024-24X</b> |  | 24 Volt Shift                            |   |                   |  | 1.500" x 1.875" x 1.000" .....               | 1  |
| 378881            |  | Rocker Switch.....                       | 1 | 561018            |  | Bearing Ball 1.772" x 2.953" x .630" .....   | 1  |
| 379005            |  | Indicator.....                           | 1 | 561026            |  | Bearing Tapered Cone 1.181" x .984" .....    | 2  |
| 379252            |  | Butt Connector.....                      | 1 | 561028            |  | Bearing Ball 1.969" x 3.150" x .630" .....   | 1  |
| 379257            |  | Splice Connector .....                   | 1 | 14-P-82-1         |  | Spacer 1.191" x 1.750" (.079" - .081") ..... | 2  |
| 379265            |  | Grommet.....                             | 1 | 14-P-82-2         |  | Spacer 1.191" x 1.750" (.084" - .086") ..... | 1  |
| 379306            |  | Fork Connector.....                      | 3 | 14-P-82-3         |  | Spacer 1.191" x 1.750" (.089" - .091") ..... | 1  |
| 379336            |  | Switch Bracket.....                      | 1 | 14-P-82-4         |  | Spacer 1.191" x 1.750" (.093" - .095") ..... | 1  |
| 379502            |  | Pressure Switch.....                     | 1 |                   |  |                                              |    |
| 379504            |  | Valve Connector .....                    | 1 | <b>329071-49X</b> |  | Bearing Kit ("XY" Output)                    |    |
| 379900            |  | Ass'y Fuse.....                          | 1 | 378263            |  | Lockring .....                               | 1  |
| 379254-17         |  | Fork Terminal.....                       | 1 | 379555            |  | Lockring .....                               | 1  |
| 379061X           |  | Tie-Wire-Plastic Assembly                | 1 | 379668            |  | Lockring .....                               | 3  |
|                   |  |                                          |   | 380070            |  | Lockring .....                               | 1  |
| <b>329057-4X</b>  |  | Hose Assembly (Remote Valve Option Only) |   | 550026            |  | Bearing Ball 1.771" x 3.937" x .984" .....   | 1  |
|                   |  | All Mounting Options (892 Series)        |   | 550311            |  | Bearing Ball 1.771" x 3.346" x .748" .....   | 1  |
| 378881            |  | Rocker Switch.....                       | 1 | 560972            |  | Bearing Needle Roller Ass'y                  |    |
| 378978            |  | Indicator.....                           | 1 |                   |  | 1.500" x 1.875" x 1.000" .....               | 1  |
| 379252            |  | Butt Connector.....                      | 1 | 561026            |  | Bearing Tapered Cone 1.181" x .984" .....    | 2  |
| 379257            |  | Splice Connector .....                   | 1 | 561028            |  | Bearing Ball 1.969" x 3.150" x .630" .....   | 1  |
| 379265            |  | Grommet.....                             | 1 | 14-P-82-1         |  | Spacer 1.191" x 1.750" (.079" - .081") ..... | 2  |
| 379306            |  | Fork Connector.....                      | 3 | 14-P-82-2         |  | Spacer 1.191" x 1.750" (.084" - .086") ..... | 1  |
| 379336            |  | Switch Bracket.....                      | 1 | 14-P-82-3         |  | Spacer 1.191" x 1.750" (.089" - .091") ..... | 1  |
| 379502            |  | Pressure Switch.....                     | 1 | 14-P-82-4         |  | Spacer 1.191" x 1.750" (.093" - .095") ..... | 1  |
| 379504            |  | Valve Connector .....                    | 1 |                   |  |                                              |    |
| 379900            |  | Ass'y Fuse.....                          | 1 | <b>329071-50X</b> |  | Clutch Repair Kit (892 Series)               |    |
| 379254-17         |  | Fork Terminal.....                       | 1 | 379485            |  | Disc Friction 275.....                       | 11 |
| 379061X           |  | Tie-Wire-Plastic Assembly                | 1 | 380051            |  | Cylinder Clutch Back-Up .....                | 1  |
|                   |  |                                          |   | 380110X           |  | Piston Clutch .....                          | 1  |
| <b>329071-46X</b> |  | Gasket & Seal Kit                        |   | 380065            |  | Plate Clutch .....                           | 10 |
|                   |  | ("XS", "XK", "AF", "AZ" Outputs)         |   | 380069            |  | Lockring Internal.....                       | 1  |
| 22-P-112          |  | Gasket Valve Cap .....                   | 1 | 28-P-178          |  | O-Ring 4.484" x .138" .....                  | 1  |
| 28-P-42           |  | O-Ring 1.051" x .070" .....              | 1 | 28-P-285          |  | O-Ring 1.597" x .103" .....                  | 2  |
| 28-P-119          |  | Oil Seal 1.379" x .875" x .249" .....    | 1 | 379485            |  | Disc Friction 275.....                       | 11 |
| 28-P-178          |  | O-Ring 4.484" x .138" .....              | 1 | 380051            |  | Cylinder Clutch Back-Up .....                | 1  |
| 28-P-245          |  | O-Ring 5.017" x .103" .....              | 2 | 380110X           |  | Piston Clutch .....                          | 1  |
| 28-P-278          |  | Oil Seal 2.953" x 1.772" x .315" .....   | 1 | 380065            |  | Plate Clutch .....                           | 10 |
| 28-P-285          |  | O-Ring 1.597" x .103" .....              | 2 | 380069            |  | Lockring Internal.....                       | 1  |
|                   |  |                                          |   | 28-P-178          |  | O-Ring 4.484" x .138" .....                  | 1  |
|                   |  |                                          |   | 28-P-285          |  | O-Ring 1.597" x .103" .....                  | 2  |

Continued on Next Page

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| <b>329071-51X</b> | Bearing Kit ("XV", "AB", "AC" Outputs)                           |
| 378263            | Lockring ..... 1                                                 |
| 379555            | Lockring ..... 1                                                 |
| 379668            | Lockring ..... 3                                                 |
| 380070            | Lockring ..... 1                                                 |
| 550026            | Bearing Ball 1.771" x 3.937" x .984" ..... 1                     |
| 550311            | Bearing Ball 1.771" x 3.346" x .748" ..... 1                     |
| 560972            | Bearing Needle Roller Ass'y<br>1.500" x 1.875" x 1.000" ..... 1  |
| 561026            | Bearing Tapered Cone 1.181" x .984" ..... 2                      |
| 561028            | Bearing Ball 1.969" x 3.150" x .630" ..... 1                     |
| 14-P-82-1         | Spacer 1.191" x 1.750" (.079" - .081") ..... 2                   |
| 14-P-82-2         | Spacer 1.191" x 1.750" (.084" - .086") ..... 1                   |
| 14-P-82-3         | Spacer 1.191" x 1.750" (.089" - .091") ..... 1                   |
| 14-P-82-4         | Spacer 1.191" x 1.750" (.093" - .095") ..... 1                   |
| <b>329071-52X</b> | Gasket & Seal Kit ("XV", "AB", "AC" Outputs)                     |
| 22-P-112          | Gasket Valve Cap ..... 1                                         |
| 28-P-42           | O-Ring 1.051" x .070" ..... 1                                    |
| 28-P-119          | Oil Seal 1.379" x .875" x .249" ..... 1                          |
| 28-P-178          | O-Ring 4.484" x .138" ..... 1                                    |
| 28-P-245          | O-Ring 5.017" x .103" ..... 2                                    |
| 28-P-267          | Oil Seal 2.627" x 1.750" x .312" ..... 1                         |
| 28-P-285          | O-Ring 1.597" x .103" ..... 2                                    |
| <b>329071-53X</b> | Bearing Kit (892 Series)                                         |
| 379668            | Lockring ..... 3                                                 |
| 378552            | Lockring External ..... 1                                        |
| 378553            | Lockring Internal ..... 1                                        |
| 380070            | Lockring ..... 1                                                 |
| 550026            | Ball Bearing ..... 1                                             |
| 560972            | Bearing Needle ..... 1                                           |
| 550509            | Ball Bearing ..... 1                                             |
| 561026            | Bearing Tapered Cone ..... 2                                     |
| 561028            | Ball Bearing ..... 1                                             |
| 14-P-82-1         | Spacer 1.1 ..... 2                                               |
| 14-P-82-2         | Spacer 1.1 ..... 1                                               |
| 14-P-82-3         | Spacer 1.1 ..... 1                                               |
| 14-P-82-4         | Spacer 1.1 ..... 1                                               |
| <b>329071-54X</b> | Gasket & Seal Kit (892 Series)                                   |
| 22-P-112          | Gasket ..... 1                                                   |
| 28-P-42           | O-Ring 1.0 ..... 1                                               |
| 28-P-119          | Oil Seal 1.379" x .875" x .249" ..... 1                          |
| 28-P-178          | O-Ring 4.4 ..... 1                                               |
| 28-P-245          | O-Ring 5.0 ..... 2                                               |
| 28-P-292          | Oil Seal 3 ..... 1                                               |
| 28-P-285          | O-Ring 1.5 ..... 2                                               |
| <b>329076X</b>    | Installation E.O.C. Kit ("K" & "L" Shift Option)<br>(892 Series) |
| 379252            | Butt Connector ..... 1                                           |
| 379257            | Splice Connector ..... 1                                         |
| 379265            | Grommet ..... 1                                                  |
| 379502            | Pressure Switch ..... 1                                          |
| 379504            | Valve Connector ..... 1                                          |
| 379254-17         | Fork Terminal ..... 1                                            |
| 379061X           | Tie-Wire-Plastic Assembly ..... 1                                |

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| <b>329160-63X</b> | "XS" to "XV" Conversion Kit ("XS" Output)             |
| 329608-1X         | Ass'y Output ..... 1                                  |
| 28-P-245          | O-Ring ..... 1                                        |
| 378433-14         | Capscrew Hex ..... 4                                  |
| <b>329160-64X</b> | "XS" to "AB" Conversion Kit ("XS" Output)             |
| 28-P-245          | O-Ring ..... 1                                        |
| 329608-2X         | Ass'y Output ..... 1                                  |
| 378433-14         | Capscrew Hex ..... 4                                  |
| <b>329160-65X</b> | "XS" to "AC" Conversion Kit ("XS" Output)             |
| 329608-3X         | Ass'y Output ..... 1                                  |
| 28-P-245          | O-Ring ..... 1                                        |
| 378433-14         | Capscrew Hex ..... 4                                  |
| <b>329354-12X</b> | 12V Conversion Kit Remote Mount Valve<br>(892 Series) |
| 22-P-112          | Gasket ..... 1                                        |
| 500457-6          | Slotted Screw ..... 2                                 |
| 500357-7          | Lockwasher ..... 2                                    |
| 379686-1          | Solenoid Valve ..... 1                                |
| 379449            | Screen Adapter ..... 1                                |
| 379258            | Bracket ..... 1                                       |
| 379564-2          | Cap Thread ..... 2                                    |
| 329231X           | Valve Connector ..... 1                               |
| 329230X           | Connector ..... 1                                     |
| 328075X           | Hose Assembly ..... 1                                 |
| 379700            | Tee Female ..... 1                                    |
| 380010            | Union Female ..... 1                                  |
| 379486            | Elbow 90° ..... 1                                     |
| 329403X           | Ass'y Seal ..... 1                                    |
| 379711            | Female Bracket ..... 1                                |
| 379131-1          | Reducer Bushing ..... 1                               |
| SK-432            | Installation ..... 1                                  |
| 329057-4X         | Hose Assembly ..... 2                                 |
| <b>329354-24X</b> | 24V Conversion Kit Remote Mount Valve<br>(892 Series) |
| 500457-6          | Slotted Screw ..... 2                                 |
| 500357-7          | Lockwasher ..... 2                                    |
| 379686-2          | Valve-Solenoid-Hydraulic Shifter ..... 1              |
| 379449            | Screen Adapter ..... 1                                |
| 379258            | Bracket ..... 1                                       |
| 379564-2          | Cap Thread ..... 2                                    |
| 329231X           | Valve Connector ..... 1                               |
| 329230X           | Connector ..... 1                                     |
| 328075X           | Hose Assembly ..... 1                                 |
| 22-P-112          | Gasket ..... 1                                        |
| 379700            | Tee Female ..... 1                                    |
| 380010            | Union Female ..... 1                                  |
| 379486            | Elbow 90° ..... 1                                     |
| 329403X           | Ass'y Seal ..... 1                                    |
| 379711            | Female Bracket ..... 1                                |
| 379131-1          | Reducer Bushing ..... 1                               |
| SK-432            | Installation ..... 1                                  |
| 329057-4X         | Hose Assembly ..... 2                                 |

Continued on Next Page

**Kits Bill of Materials****Parts List****892/899 Series**

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>329403X</b>    | Assembly Seal Cap<br>("XS", "CS", "XK", "CK", "AF", "CF", "AZ" "CZ")<br>21-P-701 Seal Cap ..... 1<br>28-P-119 Oil Seal 1.379" x .875" x .249" ..... 1<br>378811 Seal Plate ..... 1<br>378849 Retaining Ring ..... 1<br>500897-6 Shipping Plug ..... 2                                                                                                                                                                                                                                                                                              | <b>329644-3X</b>  | Mounting & Installation Kit ("XY" Output)<br>379556 Tee .438" - 20 ..... 1<br>3 AOE5-S Elbow 90° ..... 1<br>379964 Adapter Restriction .438" - 20 x .125" - 27 ..... 1<br>500841-1 Elbow .127" - 27 Pipe ..... 1<br>380071 Capscrew SH Shoulder .375" - 16 x 3.375" .... 2<br>380075 Capscrew HH M12 - 1.750" x 2.170" ..... 3<br>28-P-245 O-Ring 5.017" x .103" ..... 1<br>378431-13 Capscrew HH .375" - 16 x 1.375" ..... 4<br>SK-461 Fitting Instructions ..... 1<br>28-P-252X O-Ring 2.987" x .103" ..... 1 |
| <b>329463-12X</b> | Ass'y Valve Cap 12V<br>34-P-143 Valve Cap ..... 1<br>28-P-119 Oil Seal 1.379" x .875" x .249" ..... 1<br>378811 Seal Plate ..... 1<br>378849 Lockring ..... 1<br>378447-6 Capscrew SH .312" - 18 x 1.000" ..... 1<br>500897-5 Plug Shipping ..... 1<br>380123-12 Cartridge ..... 1                                                                                                                                                                                                                                                                 | <b>329644-4X</b>  | Mounting & Installation Kit ("DA" Outputs)<br>(892 Series)<br>379964 Adapter Restriction .438" - 20 x .125" - 27 ..... 1<br>500841-1 90 Degree Elbow ..... 1<br>380071 Capscrew SH ..... 2<br>380075 Hex Capscrew ..... 3<br>378431-13 Capscrew ..... 4<br>28-P-245X Kit O-Ring ..... 1<br>28-P-291X Kit O-Ring ..... 1                                                                                                                                                                                         |
| <b>329463-24X</b> | Ass'y Valve Cap 24V<br>34-P-143 Valve Cap ..... 1<br>28-P-119 Oil Seal 1.379" x .875" x .249" ..... 1<br>378811 Seal Plate ..... 1<br>378849 Lockring ..... 1<br>378447-6 Capscrew SH .312" - 18 x 1.000" ..... 1<br>500897-5 Plug Shipping ..... 1<br>380123-24 Cartridge ..... 1                                                                                                                                                                                                                                                                 | <b>329645-8X</b>  | Bracket & Hose Kit ("H" Mount)<br>329075-2X Hose Ass'y ..... 1<br>50-P-62 Bracket Rear ..... 1<br>329130-4X Hose Ass'y ..... 1                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>329644-1X</b>  | Mounting & Installation Kit<br>("XS" to "CS" Outputs)<br>379556 Tee .438" - 20 ..... 1<br>3 AOE5-S Elbow 90° ..... 1<br>379964 Adapter Restriction .438" - 20 x .125" - 27 ..... 1<br>500841-1 Elbow .127" - 27 Pipe ..... 1<br>380071 Capscrew SH Shoulder .375" - 16 x 3.375" .... 2<br>380075 Capscrew HH M12 x 1.750" x 2.170" ..... 3<br>28-P-245X O-Ring 5.017" x .103" ..... 2<br>378431-13 Capscrew HH .375" - 16 x 1.375" ..... 4<br>SK-461 Fitting Instructions ..... 1                                                                  | <b>329645-9X</b>  | Bracket & Hose Kit ("U" Mount)<br>329075-2X Hose Ass'y ..... 2<br>50-P-73 Bracket Rear ..... 1                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>329644-2X</b>  | Mounting & Installation Kit<br>("XK", "AF", "AZ", "CK", "CF", "CZ" Outputs)<br>379556 Tee .438" - 20 ..... 1<br>3 AOE5-S Elbow 90° ..... 1<br>379964 Adapter Restriction .438" - 20 x .125" - 27 ..... 1<br>500841-1 Elbow .127" - 27 Pipe ..... 1<br>380071 Capscrew SH Shoulder .375" - 16 x 3.375" .... 2<br>380075 Capscrew HH M12 x 1.750" x 2.170" ..... 3<br>28-P-245X O-Ring 5.017" x .103" ..... 1<br>378431-13 Capscrew HH .375" - 16 x 1.375" ..... 4<br>SK-461 Fitting Instructions ..... 1<br>28-P-259X O-Ring 3.984" x .139" ..... 1 | <b>329645-10X</b> | Bracket & Hose Kit ("J" Mount)<br>329130-11X Pressure Lube ..... 1<br>50-P-126 Rear Support HD Left w/Retarder ..... 1<br>329130-4X Hose Ass'y ..... 1                                                                                                                                                                                                                                                                                                                                                          |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>329645-11X</b> | Bracket & Hose Kit ("K" Mount)<br>50-P-127 Rear Support HD Left w/Retarder ..... 1<br>329075-2X Hose Ass'y ..... 1                                                                                                                                                                                                                                                                                                                                                                                              |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>329645-16X</b> | Bracket & Hose Kit<br>329075-2X Hose Assembly ..... 1<br>50-P-74 Bracket Rear Support HD Left w/Retarder ..... 1<br>329130-4X Hose Assembly ..... 1                                                                                                                                                                                                                                                                                                                                                             |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>329645-19X</b> | Bracket & Hose Kit ("P" Mount)<br>329130-11X Pressure Lube ..... 1<br>50-P-130 Bracket Rear ..... 1<br>329130-4X Hose Ass'y ..... 1                                                                                                                                                                                                                                                                                                                                                                             |

Continued on Next Page

|                   |                                                         |   |
|-------------------|---------------------------------------------------------|---|
| <b>329653-12X</b> | 12V Installation Kit ("G" Shift Option)<br>(892 Series) |   |
| 378881            | Rocker Switch.....                                      | 1 |
| 378978            | Indicator.....                                          | 1 |
| 379252            | Butt Connector.....                                     | 3 |
| 379257            | Splice Connector.....                                   | 1 |
| 379258            | Bracket.....                                            | 1 |
| 379265            | Grommet.....                                            | 1 |
| 379306            | Fork Connector.....                                     | 3 |
| 379336            | Switch Bracket.....                                     | 1 |
| 379449            | Screen Adapter.....                                     | 1 |
| 379502            | Pressure Switch.....                                    | 1 |
| 379700            | Tee Female.....                                         | 2 |
| 379711            | Female Bracket.....                                     | 1 |
| 379900            | Ass'y Fuse.....                                         | 1 |
| 379910            | Male Connector.....                                     | 1 |
| 380010            | Union Female.....                                       | 1 |
| 329230X           | Connector.....                                          | 1 |
| 329231X           | Valve Connector.....                                    | 1 |
| 379131-1          | Reducer Bushing.....                                    | 1 |
| 379254-17         | Fork Terminal.....                                      | 1 |
| 379686-1          | Solenoid Valve.....                                     | 1 |
| 500357-7          | Lockwasher.....                                         | 2 |
| 500457-6          | Slotted Screw.....                                      | 2 |
| SK-503            | Installation.....                                       | 1 |
| 500841-1          | 90 Degree Elbow.....                                    | 1 |

|                   |                                                         |   |
|-------------------|---------------------------------------------------------|---|
| <b>329653-24X</b> | 24V Installation Kit ("H" Shift Option)<br>(892 Series) |   |
| 378881            | Rocker Switch.....                                      | 1 |
| 379005            | Indicator.....                                          | 1 |
| 379252            | Butt Connector.....                                     | 3 |
| 379257            | Splice Connector.....                                   | 1 |
| 379258            | Bracket.....                                            | 1 |
| 379265            | Grommet.....                                            | 1 |
| 379306            | Fork Connector.....                                     | 3 |
| 379336            | Switch Bracket.....                                     | 1 |
| 379449            | Screen Adapter.....                                     | 1 |
| 379502            | Pressure Switch.....                                    | 1 |
| 379700            | Tee Female.....                                         | 2 |
| 379711            | Female Bracket.....                                     | 1 |
| 379910            | Male Connector.....                                     | 1 |
| 379900            | Ass'y Fuse.....                                         | 1 |
| 380010            | Union Female.....                                       | 1 |
| 329230X           | Connector.....                                          | 1 |
| 329231X           | Valve Connector.....                                    | 1 |
| 379131-1          | Reducer Bushing.....                                    | 1 |
| 379254-17         | Fork Terminal.....                                      | 1 |
| 379686-2          | Potted Solenoid.....                                    | 1 |
| 500357-7          | Lockwasher.....                                         | 2 |
| 500457-6          | Slotted Screw.....                                      | 2 |
| SK-503            | Installation.....                                       | 1 |
| 500841-1          | 90 Degree Elbow.....                                    | 1 |

|                |                                       |   |
|----------------|---------------------------------------|---|
| <b>329654X</b> | Kit Cover ("XS" Output ) (892 Series) |   |
| 22-P-25-2      | Gasket 852.....                       | 1 |
| 34-P-284       | Plate Cover.....                      | 1 |
| 378433-10      | Hex Capscrew.....                     | 4 |

|                |                                                                                                          |   |
|----------------|----------------------------------------------------------------------------------------------------------|---|
| <b>329658X</b> | Cover Kit "XK", "AF", "AZ", "CK", "CF", "CZ"<br>"XK", "AF", "AZ", "CK", "CF", "CZ" Outputs<br>(Optional) |   |
| 34-P-285       | Plate Cover.....                                                                                         | 1 |
| 35-P-104       | Gasket S.A.E.....                                                                                        | 1 |
| 378433-10      | Hex Capscrew.....                                                                                        | 4 |

|                |                                  |   |
|----------------|----------------------------------|---|
| <b>329659X</b> | Cover Kit "XY" Output (Optional) |   |
| 379940         | Shipping Cover.....              | 1 |
| 379943         | Gasket Output.....               | 1 |
| 379579-4       | Capscrew.....                    | 4 |

|                |                   |   |
|----------------|-------------------|---|
| <b>329662X</b> | Ass'y Drive Shaft |   |
| 380070         | Lockring.....     | 1 |
| 3-P1008        | Output Shaft..... | 1 |
| 561028         | Bearing Ball..... | 1 |

|                |                                               |   |
|----------------|-----------------------------------------------|---|
| <b>329722X</b> | Cover Kit "DA" Output (Optional) (892 Series) |   |
| 34-P-309       | Plate Cover.....                              | 1 |
| 22-P-114       | Gasket 823.....                               | 1 |
| 500403-7       | Hex Capscrew.....                             | 4 |

|                 |                            |   |
|-----------------|----------------------------|---|
| <b>328946X</b>  | Caution Label Kit          |   |
| 35-P-74         | Gasket Shim.....           | 1 |
| 379085-2        | Instructions Label.....    | 1 |
| 379624          | Product Warranty Card..... | 1 |
| HY25-1890-M1/US | Owners Manual.....         | 1 |
| HY25-1002-M1/US | Safety Guide.....          | 1 |

|                   |                                |   |
|-------------------|--------------------------------|---|
| <b>328948-36X</b> | Gasket & Installaion Kit (All) |   |
| 328946X           | Caution Label Kit.....         | 1 |
| 35-P-74           | Gasket Shim.....               | 1 |
| 379085-2          | Instructions Label.....        | 1 |
| 379624            | Product Warranty Card.....     | 1 |
| HY25-1892-M1/US   | Owners Manual.....             | 1 |
| HY25-1002-M1/US   | Safety Guide.....              | 1 |

|                 |                                 |   |
|-----------------|---------------------------------|---|
| <b>7170-86X</b> | Mounting Kit (All)              |   |
| 379451          | Screw Pilot.....                | 2 |
| 379453-10       | Capscrew M10 - 1.5" x 1.3"..... | 8 |
| 379486          | 90 Degree Elbow.....            | 1 |
| SK-355          | Installation.....               | 1 |



## Offer of Sale

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**1. Terms and Conditions.** Seller's willingness to offer Products, or accept an order for Products, to or from Buyer is subject to these Terms and Conditions or any newer version of the terms and conditions found on-line at [www.parker.com/saleterms/](http://www.parker.com/saleterms/). Seller objects to any contrary or additional terms or conditions of Buyer's order or any other document issued by Buyer.

**2. Price Adjustments; Payments.** Prices stated on Seller's quote or other documentation offered by Seller are valid for 30 days, and do not include any sales, use, or other taxes unless specifically stated. Unless otherwise specified by Seller, all prices are F.C.A. Seller's facility (INCOTERMS 2010). Payment is subject to credit approval and is due 30 days from the date of invoice or such other term as required by Seller's Credit Department, after which Buyer shall pay interest on any unpaid invoices at the rate of 1.5% per month or the maximum allowable rate under applicable law.

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**7. User Responsibility.** The user, through its own analysis and testing, is solely responsible for making the final selection of the system and Product and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application and follow applicable industry standards and Product information. If Seller provides Product or system options, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the Products or systems.

**8. Loss to Buyer's Property.** Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, will be considered obsolete and may be destroyed by Seller after two consecutive years have elapsed without Buyer ordering the items manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

**9. Special Tooling.** A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture Products. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the Products, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

**10. Buyer's Obligation; Rights of Seller.** To secure payment of all sums due or otherwise, Seller shall retain a security interest in the goods delivered and this agreement shall be deemed a Security Agreement under the Uniform Commercial Code. Buyer authorizes Seller as its attorney to execute and file on Buyer's behalf all documents Seller deems necessary to perfect its security interest.

**11. Improper use and Indemnity.** Buyer shall indemnify, defend, and hold Seller harmless from any claim, liability, damages, lawsuits, and costs (including attorney fees), whether for personal injury, property damage, patent, trademark or copyright infringement or any other claim, brought by or incurred by Buyer, Buyer's employees, or any other person, arising out of: (a) improper selection, improper application or other misuse of Products purchased by Buyer from Seller; (b) any act or omission, negligent or otherwise, of Buyer; (c) Seller's use of patterns, plans, drawings, or specifications furnished by Buyer to manufacture Product; or (d) Buyer's failure to comply with these terms and conditions. Seller shall not indemnify Buyer under any circumstance except as otherwise provided.

**12. Cancellations and Changes.** Orders shall not be subject to cancellation or change by Buyer for any reason, except with Seller's written consent and upon terms that will indemnify, defend and hold Seller harmless against all direct, incidental and consequential loss or damage. Seller may change product features, specifications, designs and availability with notice to Buyer.

**13. Limitation on Assignment.** Buyer may not assign its rights or obligations under this agreement without the prior written consent of Seller.

**14. Force Majeure.** Seller does not assume the risk and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation: accidents, strikes or labor disputes, acts of any government or government agency, acts of nature, delays or failures in delivery from carriers or suppliers, shortages of materials, or any other cause beyond Seller's reasonable control.

**15. Waiver and Severability.** Failure to enforce any provision of this agreement will not waive that provision nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalidation of any provision of this agreement by legislation or other rule of law shall not invalidate any other provision herein. The remaining provisions of this agreement will remain in full force and effect.

**16. Termination.** Seller may terminate this agreement for any reason and at any time by giving Buyer thirty (30) days written notice of termination. Seller may immediately terminate this agreement, in writing, if Buyer: (a) commits a breach of any provision of this agreement (b) appoints a trustee, receiver or custodian for all or any part of Buyer's property (c) files a petition for relief in bankruptcy on its own behalf, or by a third party (d) makes an assignment for the benefit of creditors, or (e) dissolves or liquidates all or a majority of its assets.

**17. Governing Law.** This agreement and the sale and delivery of all Products hereunder shall be deemed to have taken place in and shall be governed and construed in accordance with the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to this agreement.

**18. Indemnity for Infringement of Intellectual Property Rights.** Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Section. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets ("Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that a Product sold pursuant to this Agreement infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If a Product is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using the Product, replace or modify the Product so as to make it noninfringing, or offer to accept return of the Product and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to Products delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any Product sold hereunder. The foregoing provisions of this Section shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

**19. Entire Agreement.** This agreement contains the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter are herein merged.

**20. Compliance with Law, U. K. Bribery Act and U.S. Foreign Corrupt Practices Act.** Buyer agrees to comply with all applicable laws and regulations, including both those of the United Kingdom and the United States of America, and of the country or countries of the Territory in which Buyer may operate, including without limitation the U. K. Bribery Act, the U.S. Foreign Corrupt Practices Act ("FCPA") and the U.S. Anti-Kickback Act (the "Anti-Kickback Act"), and agrees to indemnify and hold harmless Seller from the consequences of any violation of such provisions by Buyer, its employees or agents. Buyer acknowledges that they are familiar with the provisions of the U. K. Bribery Act, the FCPA and the Anti-Kickback Act, and certifies that Buyer will adhere to the requirements thereof. In particular, Buyer represents and agrees that Buyer shall not make any payment or give anything of value, directly or indirectly to any governmental official, any foreign political party or official thereof, any candidate for foreign political office, or any commercial entity or person, for the purpose of influencing such person to purchase products or otherwise benefit the business of Seller.

02/12





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