WESTERN 150 INCH STELLAR TELESCOPE
GEAR CORPORATION • HEAVY MACHINERY DIVISION
SEATTLE, WASHINGTON • TELEPHONE 282-2525-2111

# BILL OF MATERIAL
QUANTITIES ARE FOR ONE UNIT

PAGE 1 OF 3
ASSEMBLY DWG. NO. W.G.N 102860
ASSEMBLY NO. 2150.120E102

TITLE HYDROSTATIC BEARING, SOUTH R.H.
DRAWN BY L. Johnson CHECKED BY [illegible] DATE 5-7-68
ORIGINAL JOB NO.

PRODUCTION CONTROL — ASSEMBLY DWG. NO. ____ NO. OF UNITS ____ CODE ____ SO. ____

| PART NO. | DRAWING NO. | NO. REQ'D | DESCRIPTION | MATERIAL | REMARKS | WEIGHT REQ. | WEIGHT FIN. | REQ'D CERT. | MATL CODE S S D | BP O S | NO / QTY | DATE REQ'D | DATE DUE | PURCH. ORDER | SUPPLIER | RECEIVED QUANTITY AND DATE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. | 2150.120E101 | Ref. | Outline, South, Bearing RH. | | | | | | | | | | | | | | |
| | W.G.N 102814 | | | | | | | | | | | | | | | | |
| 1 | 2150.120E005 | 1 | Pad, Bearing | Cast STL | ASTM A27 | | | N/A C | | | | | | | | | |
| | W.G.N 102890 | | | | | | | | | | | | | | | | |
| 2 | 2150.120E006 | 1 | Support, Bearing | Cast STL | ASTM A27 | | | N/A C | | | | | | | | | |
| | W.G.N 102882 | | | | | | | | | | | | | | | | |
| 3 | 2150.120E103 | 1 | Housing, R.H. | STL | Fabrication | | | C | | | | | | | | | |
| | W.G.N 102859 | | | | | | | | | | | | | | | | |
| 4 | 2150.120E104 | 1 | Oil Pan | STL | Fabrication | | | C | | | | | | | | | |
| | W.G.N 102888 | | | | | | | | | | | | | | | | |
| 5 | 2150.120C008 | 2 | Wiper, Oil | Brass | ASTM B152 | | | C | | | | | | | | | |
| | W.G.D 107354 | | | | | | | | | | | | | | | | |
| 6 | 2150.005C014 | 1 | Retainer, Shaft | STL | ASTM A7 | | | C | | | | | | | | | |
| | W.G.D 107329 | | | | | | | | | | | | | | | | |
| 7 | 2150.120C004 | A/R | Weight, Balance | STL | ASTM A7 | | | C | | | | | | | | | |
| | W.G.D 107331 | | | | | | | | | | | | | | | | |
| 8 | 2150.005C009 | SEE REMKS | Bracket, Switch | STL | ASTM A7 | | | C | | | | | | | | | |
| | W.G.D 107332 | | | | | | | | | | | | | | | | |
| 9 | 2150.005C012 | 1 | Shaft, Balance | STL | AISI 1040 | | | C | | | | | | | | | |
| | W.G.D 107328 | | | | | | | | | | | | | | | | |
| 10 | 2150.005C038 | 3 | Yoke, Switch | Cast STL | ASTM A27 | | | C | | | | | | | | | |
| | W.G.D 107425 | | | | | | | | | | | | | | | | |
| 11 | 2150.005B011 | 3 | Roller, Switch | Bronze | ASTM B21 | | | N/A C | | | | | | | | | |
| | W.G.C 112332 | | | | | | | | | | | | | | | | |

WESTERN GEAR CORPORATION
CONTROL [illegible]
[illegible]
[illegible]
J.K. DATE 5/7/68

1-TYPE A
2-TYPE B

| DATE | ALT NO. | REVISION | BY | DATE | ALT NO. | REVISION | BY |
|---|---|---|---|---|---|---|---|
| 5-2-68 | A | REV. PER AURA APPVD PRINT | | | | WAS 5/8 ADDED P/N 40 | LDS |
| 6-17-68 | B | PART NO. 36 was W.G.D 112523 | | 9/24/72 | D | ADDED P/N 41 & 42 | LDS |
| 4-15-72 | C | P/N 23 AND 31 QTY WAS 42 | | 5-8-73 | E | ADDED P/N 43 | LDS |
| | | P/N 37 QTY WAS 12 & P/N 38 | | | | P/N 8 QTY WAS 3 | |

REF. 1155
2150.120A102
DWG. NO
W.G.C. 112915
ALT E

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PAGE 2 OF 3
ASSEMBLY DWG. NO. W.G.N 102860
ASSEMBLY NO. 2150.120E102

TITLE HYDROSTATIC BEARING, SOUTH R.H.
DRAWN BY L. Johnson CHECKED BY DATE
ORIGINAL JOB NO.

PRODUCTION CONTROL — ASSEMBLY DWG. NO. ____ NO. OF UNITS ____ CODE ____ SO. ____

| PART NO. | DRAWING NO. | NO. REQ'D | DESCRIPTION | MATERIAL | REMARKS | WEIGHT REQ. | WEIGHT FIN. | REQ'D CERT. | MATL CODE S S D | BP O S | NO / QTY | DATE REQ'D | DATE DUE | PURCH. ORDER | SUPPLIER | RECEIVED QUANTITY AND DATE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 2150.005C010 | 3 | Base, Switch | STL | Fabrication | | | C | | | | | | | | | |
| | W.G.D 107416 | | | | | | | | | | | | | | | | |
| 13 | 2150.005B039 | 6 | Pin, Switch | S.STL | 5/16, #303 Precision Grd Shafting, PIC #AS-12 | | | N | | | | | | | | | |
| | W.G.C 112357 | | | | | | | | | | | | | | | | |
| 14 | 2150.120B007 | 2 | Plate, Stiffener | STL | ASTM A245 | | | C | | | | | | | | | |
| | W.G.C 112368 | | | | | | | | | | | | | | | | |
| 15 | 2150.120B011 | 2 | Plate, Backing | STL | ASTM A245 | | | C/C | | | | | | | | | |
| | W.G.C 112413 | | | | | | | | | | | | | | | | |
| 16 | 2150.120D010 | 1 | Gasket, Oil Pan | Neo-prene | | | | N | | | | | | | | | |
| | W.G.E 107652 | | | | | | | | | | | | | | | | |
| 17 | COMML | 1 | O'Ring, 1 3/4 Nom. Dia | Neo-prene | Parker Seal Company No. 2-222 | | | N | | | | | | | | | |
| 18 | COMML | 3 | Switch, Straight Plunger, SPDT | | Microswitch Company No. [illegible] | | | N | | | | | | | | | |
| 19 | COMML | 3 | Micrometer | | Starrett Company No. 1463 RL | | | N | | | | | | | | | |
| 20 | COMML | 3 | Spring | S.STL | Lee Spring Company No. LC-005B-035 | | | N | | | | | | | | | |
| 21 | COMML | 12 | Ring, Retaining, External 5/16 Dia | | Waldes Truarc No. [illegible] | | | N | | | | | | | | | |
| 22 | COMML | 6 | Screw, Hex Hd. Cap, 6-32 UNC-2a x 1 1/2 Lg. | STL | Cad-Plated | | | N | | | | | | | | | |
| 23 | COMML | 41 42 | Screw, Hex Hd. Cap, 1/2-20 UNC-2a x 2 1/2 Lg. | STL | Cad-Plated | | | N | | | | | | | | | |
| 24 | COMML | 3 | Stud, 1/4-20 UNC-2a | | S.E.Jergens SD 250 2" Lg. | | | N | | | | | | | | | |
| 25 | COMML | 3 | Screw, Hex Hd. Cap, 1/2-13 UNC-2a x 1 3/4 Lg. | STL | Cad-Plated | | | N | | | | | | | | | |
| 26 | COMML | 16 | Screw, Hex Hd. Cap, 3/4-10 UNC-2a x 3 Lg. | STL | Cad-Plated | | | N | | | | | | | | | |
| 27 | COMML | 3 | Nut, Hex, 1/4-UNC 2B | STL | Cad-Plated, Nylock | | | N | | | | | | | | | |
| 28 | COMML | 6 | Washer, Flat, Med., #6 | STL | Cad-Plated | | | N | | | | | | | | | |
| 29 | COMML | 3 | Washer, Flat, Med., 1/4 | STL | Cad-Plated | | | N | | | | | | | | | |
| 30 | COMML | 6 | Washer, Lock, Split #6 | STL | Cad-Plated | | | N | | | | | | | | | |

WESTERN GEAR CORPORATION
CONTROL [illegible]
[illegible]
[illegible]
J.K. DATE 5/7/68

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|---|---|---|---|---|---|---|---|
| 5-2-68 | A | REV PER AURA APPVD CONST. PRINT | | | | | |
| 6-17-68 | B | SEE SHT 1 | | | | | |

CERTIFICATION LEGEND
C CHEMICAL
N NO CERTIFICATION REQD
C/C CERTIFICATION OF CONFORMANCE
N/D NON DESTRUCTIVE TEST

REF. 1155
2150.120A102
DWG. NO.
WG C 112915
ALT E

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | COMML | 4 42 | Washer, Lock, Split 1/4 | STL | CAD. Plated | | | N | | | | | | | | | |
| 32 | COMML | 3 | Washer, Lock, Split 1/2 | STL | CAD. Plated | | | N | | | | | | | | | |
| 33 | COMML | 16 | Washer, Lock, Split 3/4 | STL | CAD. Plated | | | N | | | | | | | | | |
| 34 | COMML | 6 | Nut, Hex, 6-32 UNC-2B | STL | CAD. Plated | | | N | | | | | | | | | |
| 35 | COMML | 2 | Nut, Hex, 1-8 UNC-2B | STL | CAD. Plated | | | N | | | | | | | | | |
| 36 | 2150.005C057 | 3 | Bracket, Adj. | STL | ASTM A 7 | | | C/C | | | | | | | | | |
| | W.G.D 107589 | | | | | | | | | | | | | | | | |
| 37 | COMML | 6 22 | Screw, Hex Hd. Cap, 5/8-11UNC-2a x 1 1/4 Lg. | STL | Cad-Plated | | | N | | | | | | | | | |
| 38 | COMML | 6 | Washer, Lock, Split, 3/4 | STL | Cad-Plated | | | N | | | | | | | | | |
| 39 | COMML | 6 | Nut, Hex 5/8-11 UNC-2B | STL | Cad-Plated | | | N | | | | | | | | | |
| 40 | COMML | 6 | HEX HD CAPSCREW | Cad. Pl STL | 3/4-10UNC x 1 3/4 LG | | | | | | | | | | | | |
| 41 | 2150.120C024 | 1 | OIL SHIELD | STL | | | | | | | | | | | | | |
| 42 | WG C 208023 | | | | | | | | | | | | | | | | |
| 42 | 2150.120B020 | 1 | OIL GUIDE | STL | | | | | | | | | | | | | |
| 43 | WG B 204778 | | | | | | | | | | | | | | | | |
| 43 | 2150.120B015 | 1 | OIL SHIELD | STL | | | | | | | | | | | | | |

WESTERN GEAR CORPORATION
CONTROL [illegible]
[illegible]
[illegible]
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| 6-17-68 | B | SEE SHT 1 | | | | | |

REF. 1155
2150.120A102
DWG. NO.
WG C 112915
ALT E