WESTERN
GEAR CORPORATION • HEAVY MACHINERY DIVISION
EVERETT, WASHINGTON • TELEPHONE 206-259-5111

BILL OF MATERIAL

QUANTITIES ARE FOR ONE UNIT

TITLE: ASSEMBLY, COUDE #3

DRAWN F. Costa CHECKED P. GREFE DATE 1-16-69

PAGE 1 OF 3

ASSEMBLY DWG. NO. WGN 102987 ORIGINAL
NO. 2150.283E102 JOB NO.

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS C	P	H	C/C	M/O			WT. LBS.	REMARKS	PRODUCTION CONTROL: MAT'L CLASS S S	S D	B O	P S	REQD DELIVERY QTY	REQ	QTY	REQ	QTY	REQ	QTY	REQ	CODE
	2150.283E101	Ref	Outline																								
	W.G.N. 102896																										
1	2150.283D302	1	Assembly Drive, Rotational											See detail drawings													
	W.G.E. 107675																										
2	2150.283C402	2	Assembly, Lock											See detail drawings													
	W.G.D. 107441																										
3	2150.283B103	1	Pin, Actuating	STL										AISI 1018													
	W.G.C. 112452																										
4	2150.283E104	1	Stand	STL										Fabrication													
	W.G.N. 102978																										
5	2150.283E105	1	Support Cell	STL										Fabrication													
	W.G.N. 103001																										
6	2150.283D106	1	Gear	STL										SAE 4340													
	W.G.E. 107671																										
7	2150.283D107	1	Retainer, Bearing	STL										ASTM-A-7													
	W.G.E. 107670																										
8	2150.283D108	1	Cam	STL										ASTM-A-7													
	W.G.E. 107673																										
9	2150.283C109	1	Lug, Locking	STL										AISI 4140													
	W.G.D. 107445																										
10	COMML	6	Pin, Dowel											3/8 Dia x 1 1/2 LG													
11	COMML	2	Limitswitch											MicroSwitch Company No. 1LS1													
13	COMML	2	Limitswitch											MicroSwitch Co. No 191ML1 2 circuit													

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
1-21-69	A	SEE SHT 2		7/21/70	B	BV3-0602 NC 50-150 PSI 230 VAC	LDS
1-21-69	A	P/N 1: WG# WAS W107675					
7-12-72	B	P/N 33 WAS MODERNAIR NO.					

CERTIFICATION LEGEND
C CHEMICAL
P PHYSICAL
H HARDNESS
C/C CERTIFICATION OF CONFORMANCE

REF. 1176

N/D NONDESTRUCTIVE TEST CONSISTING OF:
PT LIQUID PENETRANT INSPECTION
MT MAGNETIC PARTICLE INSPECTION
RT RADIOGRAPHIC INSPECTION
P PRESSURE TEST
UT ULTRASONIC TEST

DWG. NO. 2150.283A102 C. 112948 REV. B

WESTERN
GEAR CORPORATION • HEAVY MACHINERY DIVISION
EVERETT, WASHINGTON • TELEPHONE 206-259-5111

BILL OF MATERIAL

QUANTITIES ARE FOR ONE UNIT

TITLE: ASSEMBLY, COUDE #3

DRAWN F. Costa CHECKED P. GREFE DATE 1-16-69

PAGE 2 OF 3

ASSEMBLY DWG. NO. W.G.N 102987 ORIGINAL
NO. 2150.283E102 JOB NO.

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS C	P	H	C/C	M/O			WT. LBS.	REMARKS	PRODUCTION CONTROL: MAT'L CLASS S S	S D	B O	P S	REQD DELIVERY QTY	REQ	QTY	REQ	QTY	REQ	QTY	REQ	CODE
14	COMML	2	Screw, Hex Hd, Cap 1/4-20 UNC-2A x 1 1/4 LG	STL										Cad Plated													
15	COMML	8	Screw, Hex Hd, Cap 1/4-20 UNC-2A x 1 1/2 LG	STL										Cad Plated													
16	COMML	10	Screw, Slot Hd, 10-24 UNC 2A x 15/8	STL										Cad Plated													
17	COMML	19	Screw, Hex Hd, Cap 3/8-16 UNC-2A x 1 1/2 LG	STL										Cad Plated													
18	COMML	12	Screw, Hex Hd, Cap 3/8-16 UNC-2A x 2 LG	STL										Cad Plated													
19	COMML	49	Screw, Hex Hd, Cap 3/8-16 UNC-2A x 2 LG	STL										Cad Plated													
20	COMML	4	Screw, Hex Hd, Cap 3/8-16 UNC-2A x 1 1/4	STL										Cad Plated													
21	COMML	24	Screw, Soc Hd, Cap 7/16-14 UNC-2A x 1 1/2 LG	STL										Cad Plated													
22	COMML	12	Washer, Lock, Split	STL										Cad Plated 1/4 Med													
23	COMML	84	Washer, Lock, Split	STL										Cad Plated 3/8 Med													
24	COMML	24	Washer, Lock, Split	STL										Cad Plated 7/16 Light													
25	2150.283C110	2 sets	Shim Set Rot. Drive	Brass										Shim Stock													
	W.G.D107667																										
26	2150.283C111	1	Seal, Lower	Brass										ASTM B-152													
	W.G.D107668																										
27	2150.283C112	1	Seal, Upper	Brass										ASTM B-152													
	W.G.D107669																										
28	2150.283C113	1	S.C.D. - Bearing																								
	W.G.D107670																										
29	2150.283B114	36	Shim, Preload, Bearing	STL										AISI A336													
	W.G.C112736																										
30	2150.283C115	1	Plate, Connector	STL										ASTM A-7													
	W.G.D107671																										

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
1-21-69	A	P/N 28: WG# WAS C107670					

CERTIFICATION LEGEND
C CHEMICAL
P PHYSICAL
H HARDNESS
C/C CERTIFICATION OF CONFORMANCE

REF. 1176

N/D NONDESTRUCTIVE TEST CONSISTING OF:
PT LIQUID PENETRANT INSPECTION
MT MAGNETIC PARTICLE INSPECTION
RT RADIOGRAPHIC INSPECTION
P PRESSURE TEST
UT ULTRASONIC TEST

DWG. NO. 2150.283A102 C. 112948 REV. B

WESTERN
GEAR CORPORATION • HEAVY MACHINERY DIVISION
EVERETT, WASHINGTON • TELEPHONE 206-259-5111

BILL OF MATERIAL

QUANTITIES ARE FOR ONE UNIT

TITLE: ASSEMBLY, COUDE #3

DRAWN F. Costa CHECKED P. GREFE DATE 1-16-69

PAGE 3 OF 3

ASSEMBLY DWG. NO. WGN102987 ORIGINAL
NO. 2150.283E102 JOB NO.

PART NO.	DRAWING NO.	QTY.	DESCRIPTION	MAT'L	MAT'L SPEC	REQD CERTS C	P	H	C/C	M/O			WT. LBS.	REMARKS	PRODUCTION CONTROL: MAT'L CLASS S S	S D	B O	P S	REQD DELIVERY QTY	REQ	QTY	REQ	QTY	REQ	QTY	REQ	CODE
31	COMML	56	Screw, Pan Hd, Nyloc 4-40 UNC-2A x 3/8 LG	STL										Cad Plated													
32	COMML	10	Washer, Lock Split Helical	STL										Cad Plated #10 Med													
33	COMML	1	Valve, Solenoid - 3 way Normally closed											~~Modernair #BV3-0602 NC 50-150 PSI 230 VAC~~ AEROQUIP # 51-30-0815													
34	COMML	1	Fitting, Tube	SST										Parker No. 6-SBTX-SS													
35	COMML	2	Fitting, Tube	SST										Parker No. 6-FBTX-SS													
36	COMML	2	Tube 3/8 OD x .035 Wall 1/4-20 UNC-2A	SST										Approx. 36" LG													
37	COMML	4	Screw, Hex Hd x 1/2 LG	STL										Cad Plated													

DATE	REV.	DESCRIPTION	BY	DATE	REV.	DESCRIPTION	BY
1-21-69	A	SEE SHTS 1 & 2					

CERTIFICATION LEGEND
C CHEMICAL
P PHYSICAL
H HARDNESS
C/C CERTIFICATION OF CONFORMANCE

REF. 1176

N/D NONDESTRUCTIVE TEST CONSISTING OF:
PT LIQUID PENETRANT INSPECTION
MT MAGNETIC PARTICLE INSPECTION
RT RADIOGRAPHIC INSPECTION
P PRESSURE TEST
UT ULTRASONIC TEST

DWG. NO. 2150.283A102 C. 112948 REV. B