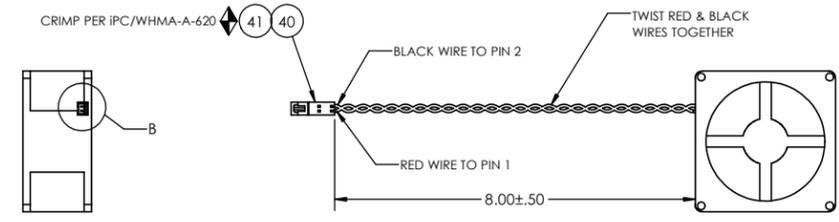
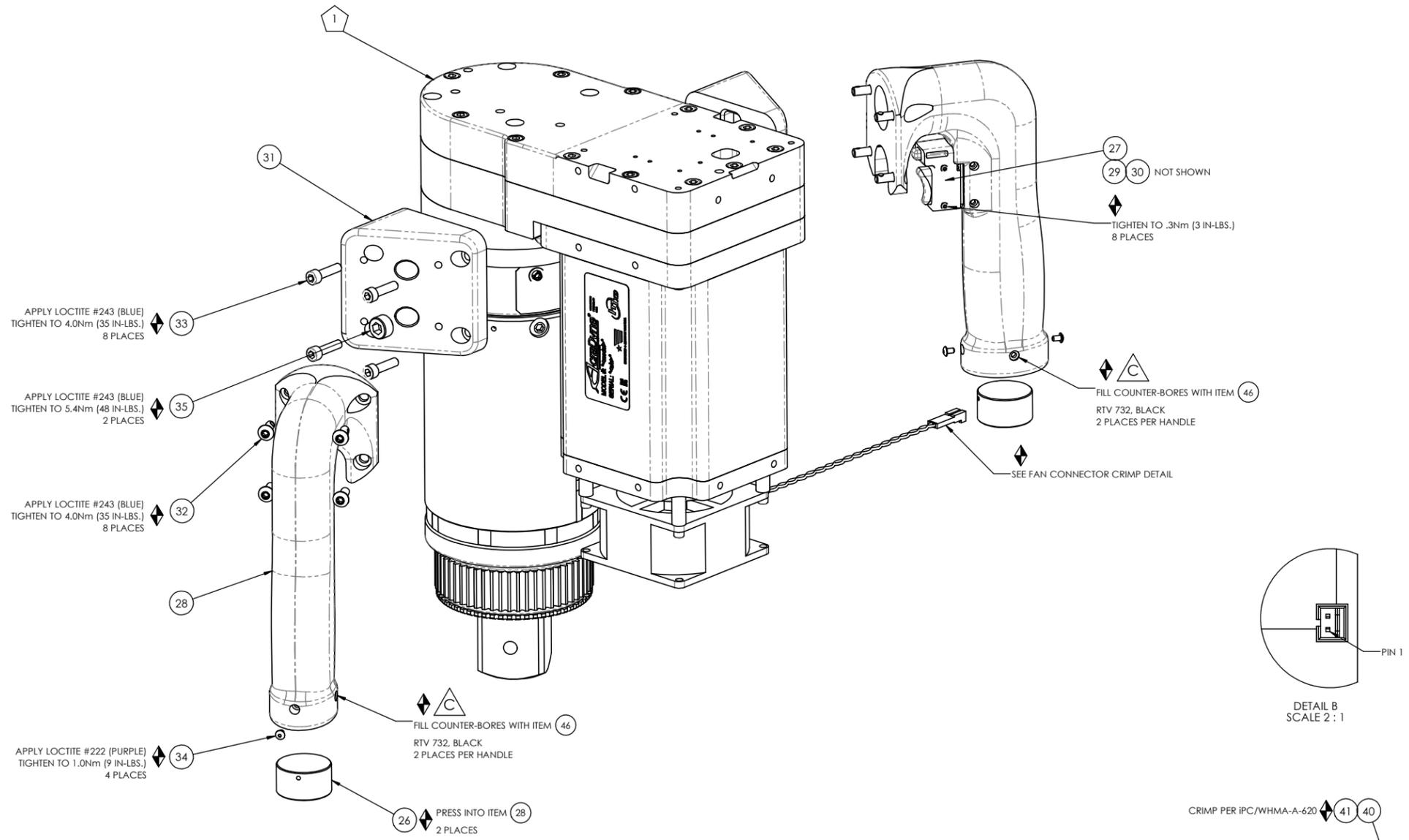


COMMENTS	ITEM NO.	PART NUMBER	QTY.	DESCRIPTION
	1	31635	1	MOTOR, GEARBOX & FAN ASM., 8100Nm
	2	27797	1	TID BOARD, POPULATED W/O AMP CIRCUIT
	3	31284	1	TID ENCLOSURE, 17,000Nm
	4	31285	1	TID ENCLOSURE COVER, 17,000Nm
	5	31290	1	TOOL CONNECTOR ASSEMBLY, 17,000Nm
	6	31417	1	MALE RECEPTACLE CABLE ASSY, 3-PIN, 6.56FT, 2-PIN CONNECTOR
	7	31411	16	LIGHTPIPE, LED, PANEL MOUNT, CONVEX, .250" LENGTH
	8	31289	1	TID WIRE INSULATOR, MODIFIED FOR 17KNm TOOL
	9	29993	2	SCREW, BHSC 8-32 X 1.375, STEEL, BLACK OXIDE
	10	25177	2	SCREW, BHSC 8-32 X 1/2, BLK OXIDE
	11	31319	2	SCREW, SHC, 8-32 x 1-1/8, STEEL, BLACK OXIDE
	12	29337	3	STANDOFF, M-F, 4-40 X 1/8, SS
	13	31333	4	STANDOFF, M-F, #4-40 x 3/8, SS
	14	25573	4	SCREW PHP 4-40 X 3/16 18-8 SS
	15	25574	1	STANDOFF M-F, 4-40x1/4, 3/16 HEX, SS
	16	31629	1	HANGER BRACKET, 8100 Nm
	17	31496	1	FAN HOUSING, 80mm X 38mm FAN, 12,000Nm TOOL
	18	31317	1	LABEL, MODEL, SERIAL NUMBER AND DESCRIPTION
	19	22141	1	SAFETY LABEL
	20	PTRF-023	4	SCREW, SHC, 6-32 X .25", BLACK OXIDE
	21	31801	4	SCREW, BHSC 10-32 X .375, STAINLESS STEEL, BLK OXIDE
	22	32286	4	SCREW, BHSC 10-32 X .50, STAINLESS STEEL, BLACK OXIDE
	23	31288	1	TRAY, MOTOR WIRES-TO-TID, 17,000Nm
	24	29026	3	SCREW, BHSC 1/4-20 X 5/8, STEEL, BLACK OXIDE
	25	26319	3	SCREW, BHSC 6-32 X .188, 18-8 SS
	26	26239	2	"J" HANDLE PLUG
	27	25212	2	SWITCH SUB-ASSEMBLY
	28	26276	2	"D" / "J" HANDLE
NOT SHOWN	29	31296	1	TRIGGER CABLE, 15" LG., 6P TO 6P
NOT SHOWN	30	31200	1	TRIGGER CABLE, 15" LG., 6P TO 3P
	31	31292	2	MOUNTING PLATE, J-HANDLE, ANGLED
	32	29284	8	SCREW, BHSC, 10-32 X 1/2, TORX HEAD, NYLON PELL-IT, STEEL
	33	31336	8	SCREW, SHC 10-32 x .75, STEEL
	34	25745	4	SCREW, BHSC 4-40 STEEL, BLACK OXIDE
	35	27247	2	SCREW, SET, 1/2-13 x .375, STEEL
	36	28431	1	O-RING, Ø1/16 X Ø1 3/16, BUNA-N
	37	26436	1	RETAINING RING, SPIRAL, Ø3.833 X Ø3.293 X .111
	38	26636	1	GEAR CASE COVER
	39	26840	1	REACTION BAR, STD DEPTH
	40	30734	1	CONNECTOR, 2 POS, MALE PINS, MOLEX 70107-0001
	41	30738	2	CRIMP TERMINAL, CONNECTOR, MALE, 22-24 AWG
NOT SHOWN	42	24177	A/R	CLEAR SILICON, RTV 108
NOT SHOWN	43	24263	A/R	KAPTON TAPE, 1/2"
NOT SHOWN	45	28525	1	CABLE ASM., I/O ADAPTOR TO 3-SKT FEMALE CONN.
NOT SHOWN	46	50058	A/R	RTV 732, BLACK



FAN CONNECTOR CRIMP DETAIL

- ◆ ASSEMBLY INSTRUCTIONS
- ◊ SUB-ASSEMBLY

- 1) GEARS & SPLINES: LUBRICATE WITH DOW CORNING MOLYKOTE BR2 PLUS GREASE.
- 2) BEARINGS: LUBRICATE WITH CHEVRON SR1 GREASE
- 3) O-RINGS: LUBRICATE WITH O-RING LUBE



DOCUMENT CONTROL
 PRINTED COPIES OF THIS DOCUMENT ARE CONSIDERED TO BE UNCONTROLLED DOCUMENTS. HOLDERS ARE RESPONSIBLE FOR VERIFYING THE CURRENT REVISION LEVEL WITH PURCHASING OR ENGINEERING PRIOR TO USE OR FABRICATION. THE CONTROLLED VERSION OF THIS DOCUMENT IS ELECTRONICALLY MAINTAINED.

PROPRIETARY AND CONFIDENTIAL
 THIS DRAWING CONTAINS INFORMATION STRICTLY CONFIDENTIAL TO ACRADYNE/AIMCO. IN THE ABSENCE OF EXPRESSED WRITTEN PERMISSION, ACRADYNE/AIMCO HAS LOANED THIS COPY WITH THE MUTUAL UNDERSTANDING THAT (A) IT WILL NOT BE USED FOR ANY PURPOSE OTHER THAN FOR THAT IN WHICH IT WAS PROVIDED, (B) THE DATA CONTAINED HEREIN WILL NOT BE DISCLOSED TO OTHERS, (C) IT WILL NOT BE REPRODUCED, AND (D) IT WILL BE RETURNED TO ACRADYNE/AIMCO IMMEDIATELY UPON DEMAND.

REVISION LEVEL	REVISION RELEASE DATE	DESCRIPTION OF CHANGES MADE TO PART	ECN #	AUTHOR/ APPROVAL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
 DIMENSIONS AND TOLERANCING PER ANSI Y14.5 SURFACE ROUGHNESS PER ANSI Y14.36

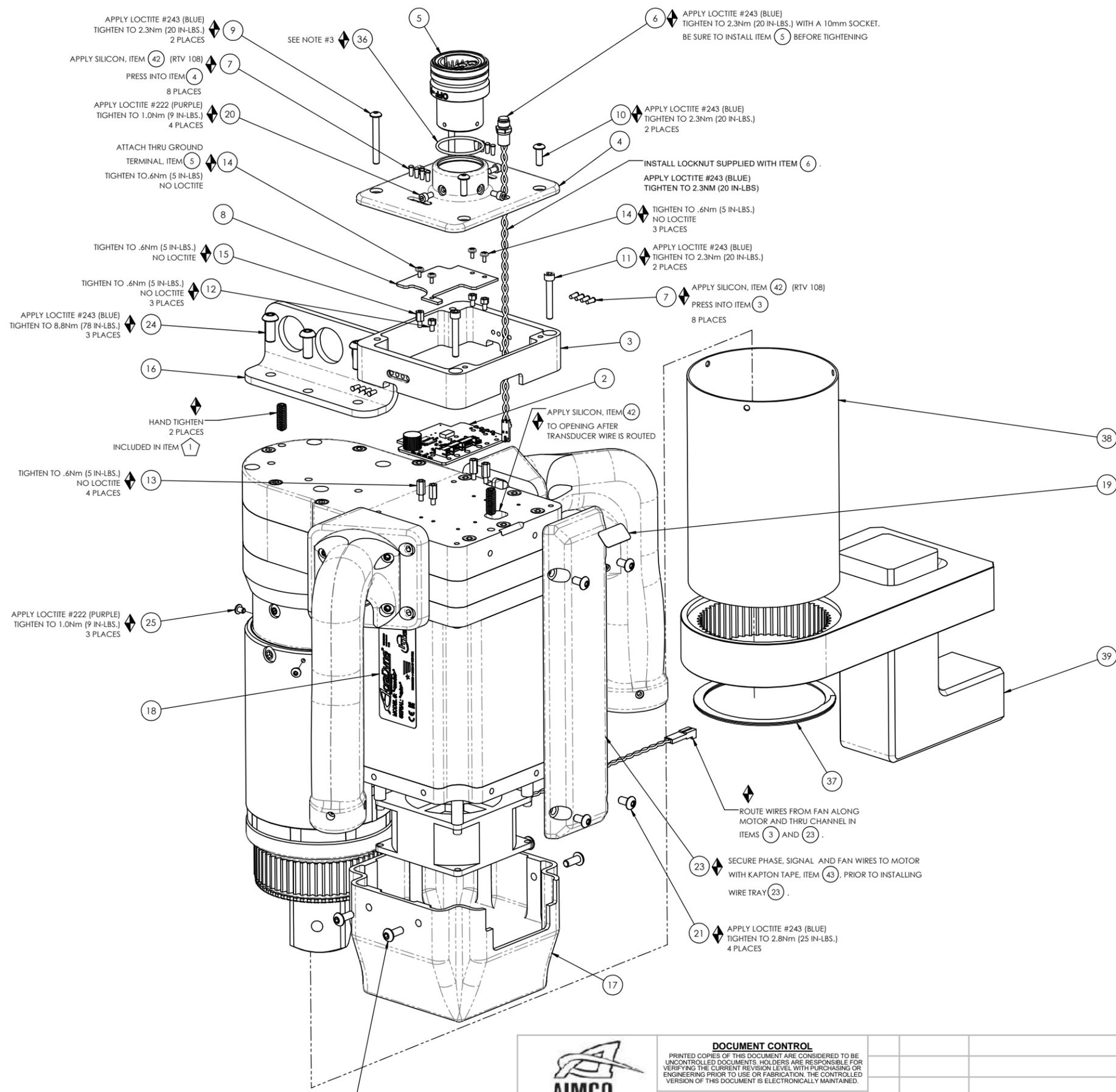
BLOCK TOLERANCING PER DECIMAL:
 .X = ±.030 .XX = ±.010 .XXX = ±.005 .XXXX = ±.0005
 ANGLE = ±.30°

REMOVE BURRS AND SHARP EDGES: R.015 MAX MACHINE SURFACE FINISH: 125 RMS OR BETTER

DRAWINGS AND TECHNICAL DOCUMENTS CONTROLLED BY:
ACRADYNE MECHANICAL ENGINEERING

DUAL "J" HANDLE NUTRUNNER, W/SLIPRING CLUTCH & FAN KIT, 8100Nm

SIZE D	PART / DRAWING NUMBER AEJ4U998100BDL	REVISION C
SCALE 1:4	DO NOT SCALE DRAWING	SHEET 1 OF 3



◆ ASSEMBLY INSTRUCTIONS
 ◡ SUB-ASSEMBLY

- 1) GEARS & SPLINES: LUBRICATE WITH DOW CORNING MOLYKOTE BR2 PLUS GREASE.
- 2) BEARINGS: LUBRICATE WITH CHEVRON SR1 GREASE
- 3) O-RINGS: LUBRICATE WITH O-RING LUBE



DOCUMENT CONTROL
 PRINTED COPIES OF THIS DOCUMENT ARE CONSIDERED TO BE UNCONTROLLED DOCUMENTS. HOLDERS ARE RESPONSIBLE FOR VERIFYING THE CURRENT REVISION LEVEL WITH PURCHASING OR ENGINEERING PRIOR TO USE OR FABRICATION. THE CONTROLLED VERSION OF THIS DOCUMENT IS ELECTRONICALLY MAINTAINED.

PROPRIETARY AND CONFIDENTIAL
 THIS DRAWING CONTAINS INFORMATION STRICTLY CONFIDENTIAL TO ACRADYNE/AIMCO. IN THE ABSENCE OF EXPRESSED WRITTEN PERMISSION, ACRADYNE/AIMCO HAS LOANED THIS COPY WITH THE MUTUAL UNDERSTANDING THAT (A) IT WILL NOT BE USED FOR ANY PURPOSE OTHER THAN FOR THAT IN WHICH IT WAS PROVIDED, (B) THE DATA CONTAINED HEREIN WILL NOT BE DISCLOSED TO OTHERS, (C) IT WILL NOT BE REPRODUCED, AND (D) IT WILL BE RETURNED TO ACRADYNE/AIMCO IMMEDIATELY UPON DEMAND.

REVISION LEVEL	RELEASE DATE	DESCRIPTION OF CHANGES MADE TO PART	ECN #	AUTHOR/ APPROVAL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
 DIMENSIONS AND TOLERANCING PER ANSI Y14.5
 SURFACE ROUGHNESS PER ANSI Y14.36

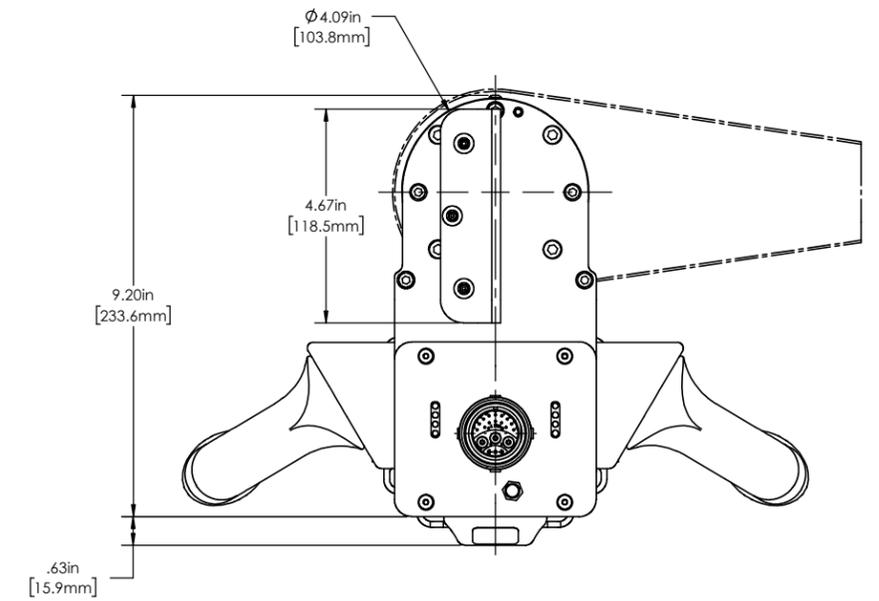
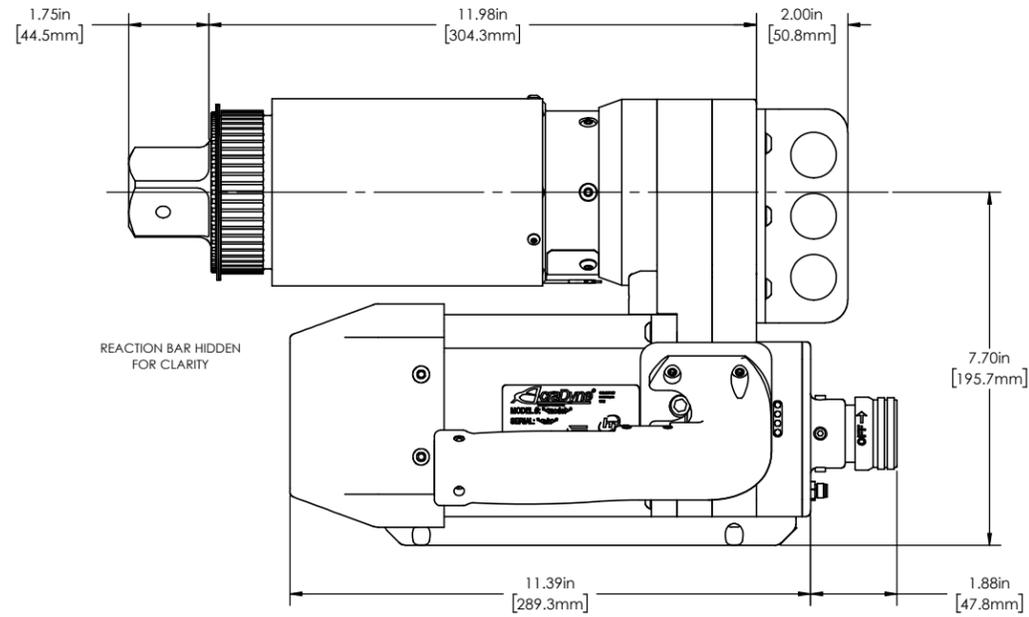
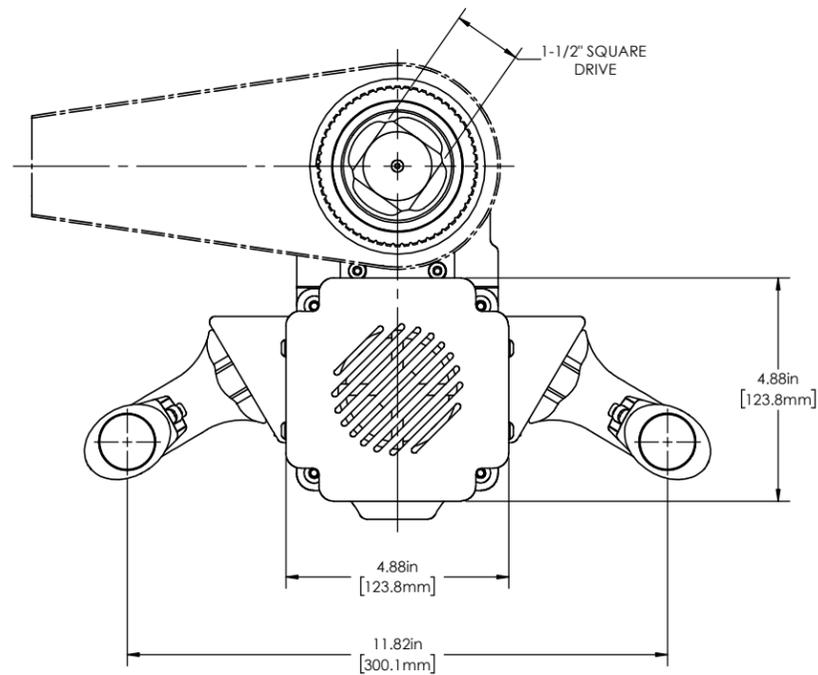
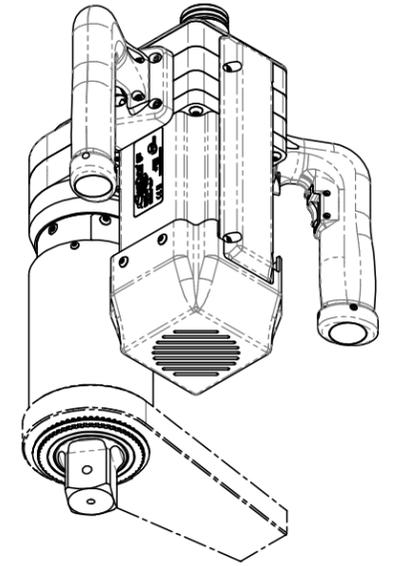
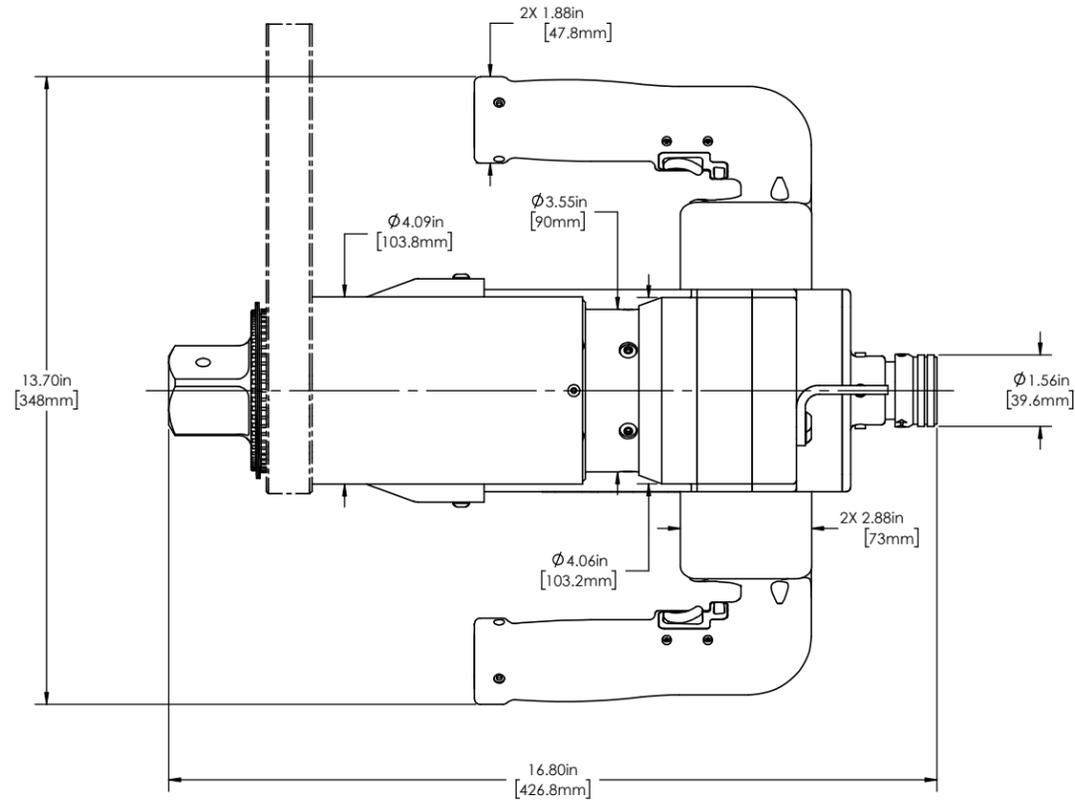
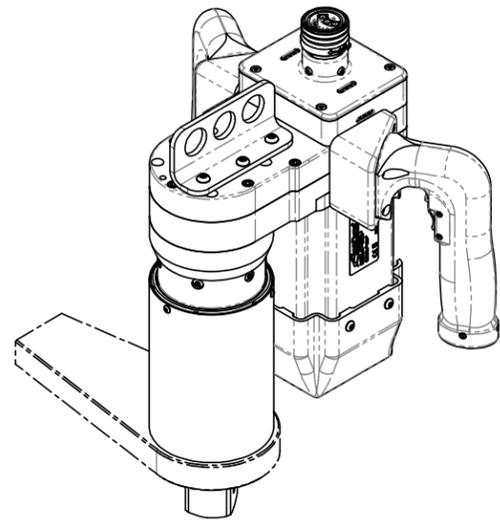
BLOCK TOLERANCING PER DECIMAL:
 .X = ±.030 .XX = ±.010 .XXX = ±.005 .XXXX = ±.0005
 ANGLE = ±0° 30'

REMOVE BURRS AND SHARP EDGES: R.015 MAX
 MACHINE SURFACE FINISH: 125 RMS OR BETTER

DRAWINGS AND TECHNICAL DOCUMENTS CONTROLLED BY:
ACRADYNE MECHANICAL ENGINEERING

DUAL "J" HANDLE NUTRUNNER, W/SLIPRING CLUTCH & FAN KIT, 8100Nm

SIZE	PART / DRAWING NUMBER	REVISION
D	AEJ4U998100BDL	C
SCALE 1:4	DO NOT SCALE DRAWING	SHEET 2 OF 3



DOCUMENT CONTROL
 PRINTED COPIES OF THIS DOCUMENT ARE CONSIDERED TO BE UNCONTROLLED DOCUMENTS. HOLDERS ARE RESPONSIBLE FOR VERIFYING THE CURRENT REVISION LEVEL WITH PURCHASING OR ENGINEERING PRIOR TO USE OR FABRICATION. THE CONTROLLED VERSION OF THIS DOCUMENT IS ELECTRONICALLY MAINTAINED.

PROPRIETARY AND CONFIDENTIAL
 THIS DRAWING CONTAINS INFORMATION STRICTLY CONFIDENTIAL TO ACRADYNE/AIMCO. IN THE ABSENCE OF EXPRESSED WRITTEN PERMISSION, ACRADYNE/AIMCO HAS LOANED THIS COPY WITH THE MUTUAL UNDERSTANDING THAT (A) IT WILL NOT BE USED FOR ANY PURPOSE OTHER THAN FOR THAT IN WHICH IT WAS PROVIDED, (B) THE DATA CONTAINED HEREIN WILL NOT BE DISCLOSED TO OTHERS, (C) IT WILL NOT BE REPRODUCED, AND (D) IT WILL BE RETURNED TO ACRADYNE/AIMCO IMMEDIATELY UPON DEMAND.

REVISION LEVEL	REVISION RELEASE DATE	DESCRIPTION OF CHANGES MADE TO PART	ECN #	AUTHOR/ APPROVAL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
 DIMENSIONS AND TOLERANCING PER ANSI Y14.5
 SURFACE ROUGHNESS PER ANSI Y14.36

BLOCK TOLERANCING PER DECIMAL:
 .X = ±.030 .XX = ±.010 .XXX = ±.005 .XXXX = ±.0005
 ANGLE = ±0° 30'

REMOVE BURRS AND SHARP EDGES: R.015 MAX
 MACHINE SURFACE FINISH: 125 RMS OR BETTER

DRAWINGS AND TECHNICAL DOCUMENTS CONTROLLED BY:
ACRADYNE MECHANICAL ENGINEERING

DUAL "J" HANDLE NUTRUNNER, W/SLIPRING CLUTCH & FAN KIT, 8100Nm

SIZE	PART / DRAWING NUMBER	REVISION
D	AEJ4U998100BDL	C
SCALE: 1:4	DO NOT SCALE DRAWING	SHEET 3 OF 3