



CABLE No.	AWG	No. CONDUCTORS	SHIELDED
* BLTB	BLTEL	CBLTBL	CBLTBL
CBLTB	BLTEL	CBLTBL	CBLTBL
CBLTB	BLTEL	CBLTBL	CBLTBL
CBLTB	BLTEL	CBLTBL	CBLTBL
CBLTB	BLTEL	CBLTBL	CBLTBL
CBLTB	BLTEL	CBLTBL	CBLTBL
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CBLTB	BLTEL	CBLTBL	CBLTBL
CBLTB	BLTEL	CBLTBL	CBLTBL

QTY.	ITEM	DESCRIPTION
1	1	TIE BAR ASSEMBLY (BY OTHERS)
2	2	ROD END
2	3	TILLER ASSEMBLY
4	4	TILLER BOLT
2	5	B-MODEL CYLINDER
1	6	RFU (RUDDER FEEDBACK UNIT)
4	7	ISOLATION VALVE
4	8	FLEX HOSE
1	9	DARB VALVE (DOUBLE ACTING RELIEF & BYPASS)
4	10	SHUT-OFF VALVE (BY OTHERS)
1	11	DHM (DIGITAL HELM MANIFOLD)
1	12	WHEEL (BY OTHERS)
1	13	WALL MOUNT RESERVOIR - PROPORTIONAL SOLENOID
2	14	ENGINE DRIVEN HYDRAULIC PUMP - VARIABLE DISPLACEMENT
1	15	DSC (DIGITAL STEERING CONTROLLER)
1	16	MCP (MODE CONTROL PROCESSOR)
1	17	RAI-300 (RUDDER ANGLE INDICATOR)
1	18	MP (MODE CONTROL PANEL)
1	19	JO100-1 (JOG LEVER - OPTIONAL)
1	20	ROI-300 (RUDDER ORDER INDICATOR)
1	21	DH (DIGITAL HELM)

NOTES:  
 - SOLID LINES REPRESENT PIPING  
 - DASH LINES REPRESENT WIRING FUNCTION

\* CABLE 'A' MUST BE RS-485 SHIELDED, TWISTED PAIR COMMUNICATION CABLE WITH A CONTROLLED IMPEDENCE OF 120 OHMS, BELDEN 9842 OR EQUIVALENT.

\*\* NUMBER OF CONDUCTORS REQUIRED FOR CABLE 'L' DEPENDS ON THE NUMBER OF MODE BUTTONS INCLUDED IN COMPONENT 18.

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TOLERANCES: (UNLESS SPECIFIED OTHERWISE)			
X.X	+/- 0.1	FRACTION	+/- 1/64
X.XX	+/- 0.01	ANGULAR	+/- 0.5 DEG.
X.XXX	+/- 0.005	SURFACE FINISH	✓
ALL DIMENSIONS IN INCH(MM)			

REV.	DATE	DRAWING/DESIGN CHANGE No.	BY
<b>Jastram</b>			
DATE: 19-04-04		SCALE: N.T.S.	DRAWN: G.Q.J
TITLE: B-MODEL, TWIN RUDDER		DRAWING NUMBER:	
DIGITAL HELM CONTROL		D-S00205	

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