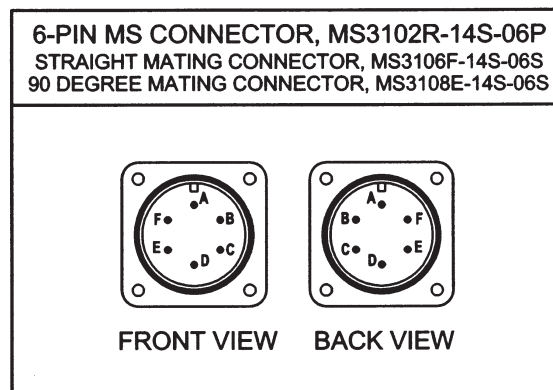
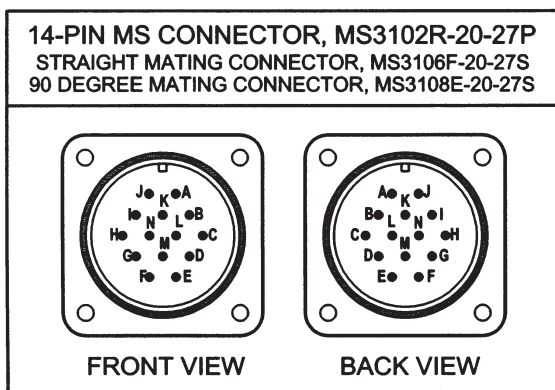
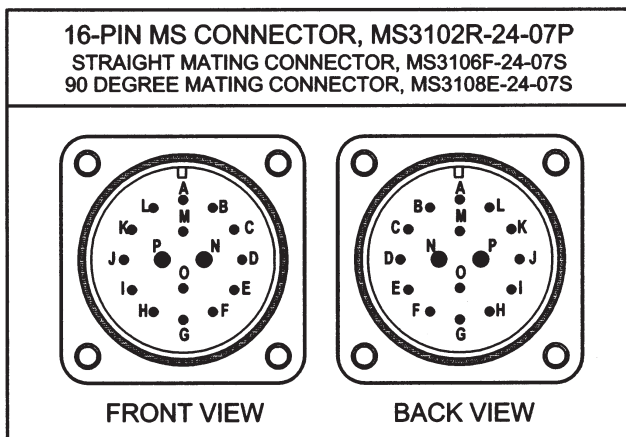


MS CONNECTOR WIRING DATA & MOTOR PHASING

MS CONNECTOR DIAGRAM FOR DC BRUSH SERVO MOTORS



MS CONNECTOR MS3102R-24-07P	MS CONNECTOR MS3102R-20-27P	MS CONNECTOR MS3102R-14S-06P	ENCODER FEEDBACK	RESOLVER FEEDBACK SIZE 11
PIN #	PIN #	PIN #	FUNCTION	FUNCTION
A	A		CHANNEL A+	SINE SIG (S1)
B	B		CHANNEL A-	SINE COM (S2)
C	C		CHANNEL B+	COSINE SIG (S3)
D	D		CHANNEL B-	COSINE SIG (S4)
E	E		CHANNEL Z+	REFERENCE SIG (R1)
F	F		CHANNEL Z-	REFERENCE COM (R2)
G	G		+5 VDC	N/C
H	H		COMMON	N/C
I	I		CABLE SHIELD	N/C
J	J	C	TACHOMETER +	
K	K	D	TACHOMETER -	
L	L	E (W/O BRAKE)	TACHOMETER CABLE SHIELD	
M		E (W/ BRAKE)	BRAKE +	
N	N	A	MOTOR + (SEE NOTE)	
O		F	BRAKE -	
P	M	B	MOTOR - (SEE NOTE)	

NOTES:

1. FOR ALL 2.3" AND 3.3" MOTORS:

WITH A POSITIVE VOLTAGE APPLIED TO THE RED MOTOR LEAD [PIN N, A] WITH RESPECT TO THE BLACK MOTOR LEAD [PIN P, M, B], THE MOTOR DRIVE SHAFT WILL TURN IN THE "CLOCKWISE" DIRECTION AS VIEWED FROM THE SHAFT END.

2. FOR ALL 4", 4.9", AND 6" MOTORS:

WITH A POSITIVE VOLTAGE APPLIED TO THE RED MOTOR LEAD [PIN N, A] WITH RESPECT TO THE BLACK MOTOR LEAD [P, M, B], THE MOTOR DRIVE SHAFT WILL TURN IN THE "COUNTER-CLOCKWISE" DIRECTION AS VIEWED FROM THE SHAFT END.

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