










VOLTAGE POLARIES SHOWN ARE FOR MOTORING DA1 ( + ) HARDWARE ABBREVIATIONS

SIGNAL DEFINITIONS AND LOCATIONS


* CEMF COUNTER EMF (0316)
* CFB CURRENT FEEDBACK (0316)

CMFA ABSOLUTE VALUE CEMF (0308)
CRM CROSSOVER MODIFY (0311)
DFP DELAYED FIRING POWER (0325)

* DR DRIVER REFERENCE (0333)
* EAO ERROR AMP OUTPUUT (O333)

EST EXTERNAL FLT STOP INPUT (0314)
FALT FAULT (0314)

* FC FIELD CURRENT (NS26)

FDR FIELD DIAGNOSTIC REFERENCE (0408)
FIELD ECONOMY ADJUST (0325)
$\begin{array}{ll}\text { FEA } & \text { FIELD ECONOMY ADJUS } \\ \text { FF } & \text { FIELD FAULT }(0328)\end{array}$
IIBS MOTOR CURRENT ABSOLUTE (0309)
ILA CURRENT LIMIT ADJUST (0323)
IMET CURRENT SIGNAL FOR METER (0310)

* IPU INITIAL PULSE (0320)
* LR LOCAL REF. FROM DGC (0333)
* JOG JOG SWITCH INPUT (0323)
* JOGR JOG REFERENCE INPUT (0331)
* MAC MAX/MA CONTROL SIGNAL (0320)

MSW MODE SWITCH (0330)
$\begin{array}{ll}\text { * OSC } & \text { OSCILLATOR (0317) } \\ \text { * PCR } & \text { PHASE CONTROL REF. (0326) }\end{array}$

* PRE DRIVE PRECONDITION (0321)
$\emptyset$ SEC PHASE SEOUENCE (0314)
RERR REGULATOR ERROR (0327)
RIJ INTEGRATOR SUMMING JUNCTION (0327)
RJ REGULATOR SUMMING JUNCTION (0331)
RRA REGULATOR RESPONSE ADJUST (0330)
RSET RESET (0316)
* RTR READY TO RUN (0316)
* RUN RUN SWITCH INPUT (0321)
* SA-C PHASE SYN OUTPUT (0316)
* SFB SPEED FEEDBACK (0320)

SMET SPEED SIGNAL FOR METER (0312)

* SR SYSTEM REFERENCE IIJPUT (0329)
* SYS SYSTEM FAULT TRIP (0313)

| FUNCTION | USE | INC | JUMPERS |
| :---: | :---: | :---: | :---: |
| 60Hz |  | MFC | ZA-ZB (IF USED) |
| $5 \overline{\mathrm{OH}}$ |  | MCD | HZȦ - PHA |
| $\begin{array}{r} 1 O C-4008 \\ -5008 \\ -3008 \end{array}$ | x |  | (NONE) |
|  |  | IFC | I - IHI |
|  |  | IFC | I-ILO |
| SR5 - 9v | 1 |  | NONE) |
| 9-20v |  | MCC | SRH - COM |

* ta output for tacho trip adjust (0320)

TF TACHO FAULT (NS28)

* TFB TACHOMETER FEEDBACK (0320)

TFR AC TACHO FREQUENCY OUTPUT (0313)

* TR TIMED REFERENCE (0333)
* VFB VOLTAGE FEEDBACK (0319)
* WFR WEAK FIELD REFERENCE (0320)
( * - TEST POINT ON DOOR FRONT)


## MAPPING SYSTEM

## (NS/PS/TS) PS - PAST SHEET <br> NS - NEXT SHEET <br> TS - THIS SHEET

 DENOTED BY SHEET NUMBER AND LINE? E.G. (1A16) SIGNIFIES LOCATION ON SHEET 1A, LINE 16 ETC.

NOTE: $T^{L}$ FIELD EFFECT TRANSISTOR: THE
CLOSED/OPEN (I/O) STATE OF THESE SWITCHED FOR "PRECONDITION" - "RUN" OR JOG" - "DIAGNOSTIC STATIC" -
"DIAGNOSTIC RUN" IS SHOWN BY A FOUR DIGIT WORD WITH STATE SEQUENCE.

TEST ON SOHZ.
NOTE CHANGE LINKS TO GOHZ ON INSTALLATION



















