D300K 3+3 SE WIRING DIAGRAM S24777 REV: A

ENGINE CONTROL UNIT
CONNECTOR DETAIL

9 17 25 34
1 10 18 26

93
51B
212D
69
52B
60F
57
844A
94
44
60E
56
64

CONTROL PANEL COMPONENTS SHOWN AS VIEWED FROM REAR

* LEADS CONNECTED TO ENGINE CONTROL UNIT, SEE DETAIL

LEAD COLOR CODE

B-BLACK	R-RED
G-GREEN	U-BLUE
N-BROWN	W-WHITE
	Y-YELLOW

GLOW PLUGS

ACTUATOR
57
56

44
TEMPERATURE SWITCH

64
ALTERNATOR
L
B
IG
212E
51

ENGINE HOUR METER
+ -

B
RUN
GLOW
*52B
*212D
START
17
19
53
30
50
841
B
50

5B

*60F
*60E
*93
60
*94
60A
*69
ENGINE SPEED SENSOR
WATER TEMP SENSOR

STARTING MOTOR
S
B
+
BATTERY
50A
54
*51B
AMMETER
+ A -
841A
841B
N.C.
N.O.
OIL PRESSURE SWITCH

COOLANT TEMPERATURE
4
1
J51
5L
43
TEMP SENDER

GROUND TO BASE
GROUND TO ENGINE

NEUTRAL BONDED TO FRAME
NEUTRE RACCORDE AU BATI

MOV
AC
AC
+
-
N N
U U
P10
12 11 10 9 8 7 6 5 4 3 2 1
J5
400D
400E
48
Y
W
602B
602C
612

ALTERNATOR ROTOR
SLIP RINGS
+
-
610A
610
600C
600B
600A
SLIP RING NEAREST TO IRON
21
FUSE 15A
215
214

400E
CB1
20A
810
820
11B
ALTERNATOR AUXILIARY POWER WINDINGS
400D
7C
HOT LINE
HOT LOAD
WHITE LINE
WHITE LOAD
GND-S
821A
48
GROUND SCREW

W
G
U
REMOTE / LOCAL RECEPTACLE
602A
G

LOCAL RHEOSTAT
W
B
LOCAL PLUG

SELECTOR SWITCH
CHOKE
GENERATOR
A
5 4 3 2 1
+ -
WELDER LEAD BLOCK
BRUSH HOLDERS
N
U
W
Y
NEGATIVE (CC-)
POSITIVE (CC+) & (CV+ WITH W.F.M.)

WIRE FEED MODULE (OPTIONAL)

ON MACHINE, REMOVE PLUG "P10" FROM CONNECTOR "J5"
CONNECT PLUG "P5" ON W.F.M. TO CONNECTOR "J5" ON MACHINE

INLINE CONNECTORS
PLUG (P5)
W.F.M. CONTROL PANEL
CONNECT TO POSITIVE OUTPUT TERMINAL
POS
#8 LEAD
CONNECT TO SELECTOR SWITCH TOP STUD.
NEG
WIRE FEED MODULE
NEGATIVE CV OUTPUT TERMINAL PANEL
#2 HEAVY LEAD
608
609
CONNECT TO NEG BRUSH HOLDER
250 AMP THERMOSTAT ASSEMBLY
#2 HEAVY LEAD

* MACHINE MUST NOT BE RUNNING WHEN MAKING THESE CONNECTIONS.

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