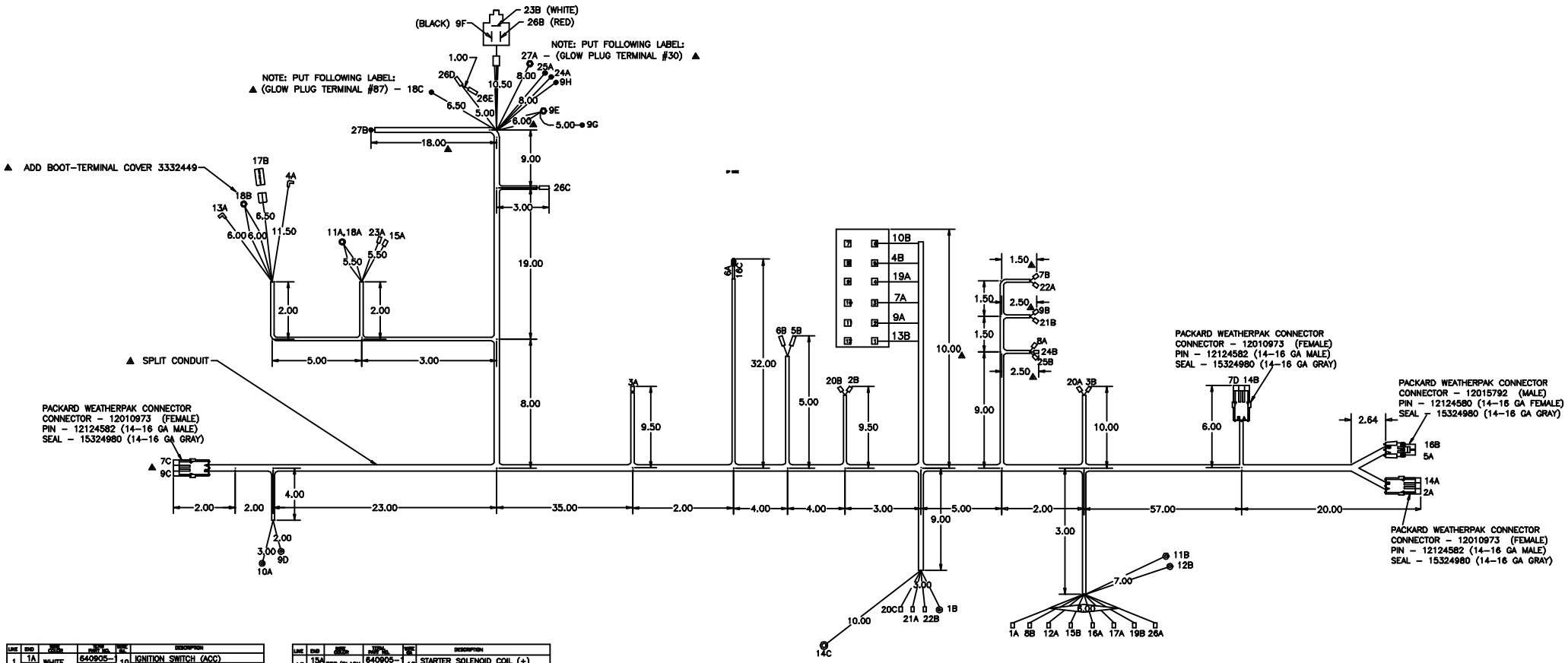
REV	ECN #	DATE	DESCRIPTION OF CHANGE-IS (WAS)	BY:
*		04-12-13	RELEASED FOR PRODUCTION	JWP
A	MIN-12425	12-23-13	MODIFIED RING TERMINALS AND LABELS/NOTES	MB
B	MIN-12865	08-07-14	MODIFIED RING TERMINALS AND LABELS/NOTES	MB



LINE	END	WIRE COLOR	WIRE PART NO.	WIRE GA.	DESCRIPTION
▲	1A	WHITE	640905-1	10	IGNITION SWITCH (ACC)
	1B		2-320574-2		15A FUSE PANEL
2	2A	BLUE	12124582	14	FILTER SHAKER MOTOR (+)
	2B		640905-1		FILTER SHAKER BUTTON
3	3A	DK.BLUE	640905-1	14	HORN
	3B		640905-1		HORN BUTTON
4	4A	LT.GREEN	***	16	TEMPERATURE SENDER
	4B		IP		INSTR PANEL- TERMINAL #5
▲ 5	5A	PINK	12124580	16	RTR #2 SWITCH (-)
	5B		12124582		RTR #2 LIGHT
▲ 6	6A	PURPLE	↑	16	RTR #1 SWITCH (-)
	6B		12124582		RTR #1 LIGHT
7	7A	BROWN	IP	14	INSTR PANEL- TERMINAL #3
	7B		640905-1		HEADLIGHT SWITCH
	7C		12124582		TAILLIGHT CONNECTOR (+)
	7D		12124582		HEADLIGHT CONNECTOR (+)
8	8A	RED/GREY	640905-1	14	THROTTLE SW- TERMINAL #2
	8B		640905-1		IGNITION SWITCH (IGN)
9	9A	BLACK	IP	14	INSTR PANEL- TERMINAL #2
	9B		640905-1		HOUR METER (-)
	9C		12124582		TAILLIGHT CONNECTOR (-)
	9D		B104		FUEL TANK SENDER (GROUND)
▲	9E		34152		GROUND @ ENGINE BOLT
	9F		**		RUN SOLENOID PLUG
▲	9G		2-320574-2		THROTTLE SOLENOID (-) (GAS)
	9H		3-350819-2		GLOW PLUG RELAY COIL
10	10A	DK. GREEN	IP	16	FUEL TANK SENDER
	10B		B104		INSTR PANEL- TERMINAL #6
▲ 11	11A	YELLOW/WHITE	IP	10	SOLENOID POST (BAT)
	11B		B206		CIRCUIT BREAKER 45A
▲ 12	12A	YELLOW/BLK	640905-1	10	IGN. SWITCH (BAT)
	12B		2-320574-2		CIRCUIT BREAKER 45A
13	13A	GRN/WHT	Y***	16	OIL SENDER
	13B		IP		INSTR PANEL- TERMINAL #1
14	14A	BLACK	12124582	14	FILTER SHAKER CONNECTOR (-)
	14B		12124582		HEADLIGHT CONNECTOR (-)
	14C				GROUND FRAME

LINE	END	WIRE COLOR	WIRE PART NO.	WIRE GA.	DESCRIPTION
15	15A	RED/BLACK	640905-1	12	STARTER SOLENOID COIL (+)
	15B		640905-1		IGNITION SWITCH (ST)
16	16A	TAN	640905-1	16	IGNITION SWITCH (ACC)
	16B		12124580		RTR #2 (+)
	16C		↑		RTR #1 (+)
17	17A	RED/WHT	640905-1	12	IGNITION SWITCH (ACC)
	17B		<		ALTERNATOR PLUG (EXCITE)
▲	18A		2-320898-1		STARTER SOLENOID POST (BAT)
▲ 18	18B	ORANGE	2-34150-1	10	ALTERNATOR (OUTPUT)
	18C		2-36161-2		GLOW PLUG RELAY (BTM)
19	19A	YELLOW	IP	14	INST PANEL- TERMINAL #4
	19B		640905-1		IGNITION SWITCH (ACC)
20	20A	RED/YELLOW	640907-1	12	HORN BUTTON
	20B		640905-1		FILTER SHAKER BUTTON
	20C		640905-1		15A FUSE PANEL
21	21	RED/GREEN	640905-1	14	15A FUSE PANEL
	21A		640905-1		HOUR METER (+)
22	22A	RED/BLUE	640905-1	14	HEADLIGHT SWITCH (+)
	22B		640905-1		15A FUSE PANEL
23	23A	WHITE	640905-1	14	STARTER (MOTOR SIDE)
	23B		**		FUEL SHUT OFF- PULL IN COIL
24	24A	BLUE/WHT	3-350819-2	16	GLOW PLUG RELAY COIL
	24B		640905-1		THROTTLE SW- TERMINAL #1
▲ 25	25A	BLUE	2-320574-2	14	THROTTLE ACTUATOR (+)
	25B		640905-1		THROTTLE SWITCH #3 TERM.
26	26A	RED	640907-1	12	IGNITION SWITCH (IGN)
	26B		**		FUEL SHUTOFF- HOLD IN COIL
	26C		*		FUEL PUMP (+)
	26D		*		CARBURETOR (+) GAS
	26E		*		THROTTLE SOLENOID (+) (GAS)
27	27A	RED	2-36161-2	10	GLOW PLUG RELAY (TOP)
	27B		B104		GLOW PLUG STRIP (REAR)

NOTES:
▲ 1) ALL WIRE TO BE S.A.E. J1128 TYPE TXL.
2) ALL WIRES TO BE MARKED AS INDICATED.
3) ALL TERMINAL ENDS NOT SHOWN BELOW REFERENCE AMP PART NUMBERS.
4) USE SEALS WITH PACKARD WEATHERPAK CONNECTORS
▲▲ 5) 1.0" OF WIRE EXPOSED AFTER LOOM

IP STEWART WARNER TERMINAL #835859 OR EQUAL (6 REQ.)
W/STEWART WARNER 835858 OR PACKARD 2984792 CONNECTOR

▲ * 1/4" FEMALE QUICK CONNECT INSULATED
** 3-PRONG CONNECTOR- KUBOTA #16259-65830 OR EQUAL
*** #10 90° FEMALE CONNECTOR W/MOLDED COVER
↑ DURAKOOL INC. MERCURY SWITCH #A1/2-003
< 3-PRONG CONNECTOR- KUBOTA # 16678-65830

DRAWING NOT TO SCALE

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SOURCE:
PN. MATL: SEE LEGEND
FINISH:
UNSPECIFIED TOLERANCES
.X .1 ANGULAR:
.XX .03 X .5°
.XXX .010 .X .5°
DES. ENG: JWP
ENG. REL:

Minuteman PowerBoss
175 Anderson Street
Aberdeen, NC 28315
PHONE (910) 944-2105
FAX (910) 944-7409

CAD BY: WRT
DATE: 04-12-13
DESCRIPTION
HARNESS-MAIN 7AMD
PART NO. 3338310
REV LEV B
SHT NO. 1 OF 1