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NO. <b>14A068-C</b>					
REV	REVISIONS				
	DATE	DESIGNER	CHECKED BY	APPROVAL	CAD
<b>C</b>	14A068-C NEW FORMAT DRAFT ADDED HID JUMPER INFO FOR 2013 BOSS S				
	2012.10.31	S. ALTHERR	J. DUNNE		YES

MODEL DESCRIPTION			
<b>FR500 MUSTANG</b>			
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1 TO HELP SAFEGAURD HEALTH, SAFETY AND THE ENVIRONMENT.			
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE		ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED	
CAD TYPE MS - VISIO	CAD LOCATION DRP	REFERENCE DRAWING PDB (PIA to 14A005) REV C	E COPY IS MASTER
DRAWING			
<b>14A068-C</b>			
DESIGNER S. ALTHERR	APPROVAL	<b>FR500 WIRING ASSEMBLY - MAIN PDB</b>	
CHECKED BY J. DUNNE	SAFETY N/A		
SCALE N/A	DATE 2010.09.10		
		DIVISION N/A	
		PLANT EWDMA	



### RELAYS

RELAY	PIN	TYPE	CIRCUIT FUNCTION	CIRCUIT	CONNECTOR-PIN
R1	1	SPST	GROUND	300B	C1200-35
R1	2	SPST	HIGH BEAM SWITCH	21B	C1200-14
R1	3	SPST	HIGH BEAM FEED	22	C1200-6
R1	5	SPST	12V HAAT (F22 - 30A)	20B	S20
R2	1	SPST	LOW BEAM COIL	24A	S24
R2	2	SPST	LOW BEAM COIL GROUND	26	R8-30
R2	3	SPST	LOW BEAM FEED	23	C1200-7
R2	5	SPST	12V HAAT (F22 - 30A)	20C	S20
R4	1	SPST	GROUND	300C	C1200-36
R4	2	SPST	PARKING LAMPS COIL	25A	S25
R4	3	SPST	PARKING LAMPS FEED	27A	C1200-31
R4	5	SPST	12V HAAT (F22 - 30A)	20D	S20
R5	30	ISO	12V HAAT (F7 - 40A)	530	F7-2
R5	85	ISO	GROUND	300D	C1200-37
R5	86	ISO	IGNITION ON	201A	C1200-16
R5	87	ISO	R/S FEED TO PDB	1600A	S1600
R8	30	ISO	LOW BEAM COIL GROUND	26	R2-2
R8	85	ISO	HIGH BEAM SWITCH	21C	C1200-15
R8	86	ISO	GROUND	300E	C1200-38
R8	87A	ISO	GROUND	300H	C1200-39
R12	30	ISO	12V HAAT (F33 - 30A)	1230	F33-2
R12	85	ISO	GROUND	300J	C1200-40
R12	86	ISO	INTERCOOLER TRIGGER	1286C	C1200-30
R12	87	ISO	INTERCOOLER FEED	555	C1200-42

3 - Ultra Micro Relays (R1, R2 & R4) BK  
 3 - Mini ISO Relays (R5, R8 & R12) VT

### FUSES

FUSE	PIN	TYPE	SOURCE	CIRCUIT FUNCTION	CIRCUIT	CONNECTOR-PIN
F3		20A	BATT	T1 - 12V HAAT	200	C1200-3
F5		20A	BATT	POWER POINT LINE LOCK	80	C1200-5
F7		40A	BATT	12V TO 'KEY-ON POWER' FUSES	80	R5-30
F8		40A	BATT	ABS POWER	110	C1200-9
F9		30A	BATT	WIPER MOTOR	70	C1200-34
F10		30A	BATT	ABS POWER	120	C1200-1
F13		15A	BATT	MIRRORS	270	C1200-13
F22		30A	BATT	HEADLAMPS	20A	S20
F25		20A	BATT	BRAKE LAMPS/FLASHERS/TURN	180A	C1200-25
F26		10A	BATT	CLUSTER/LIGHT SWITCH FEED	220A	C1200-26
F29		30A	BATT	POWER WINDOW MOTOR L.H.	50	C1200-29
F33		30A	BATT	INTERCOOLER PUMP	1230	R12-30
F34		30A	BATT	POWER WINDOW MOTOR R.H.	40	C1200-8
F35		10A	BATT	T4 - AUX 1 HAAT	230	C1200-17
F39		10A	S1600	T5 - AUX 2 RUN/START	250	C1200-20
F40		10A	S1600	T6 - AUX 3 RUN/START	260	C1200-24
F46		15A	S1600	WINDOW SWITCH	140A	C1200-4
F47		15A	S1600	RCM/ABS/SPS FEED	240A	S240
F48		10A	S1600	CLUSTER/WIPER/MFS FEED	170A	S170

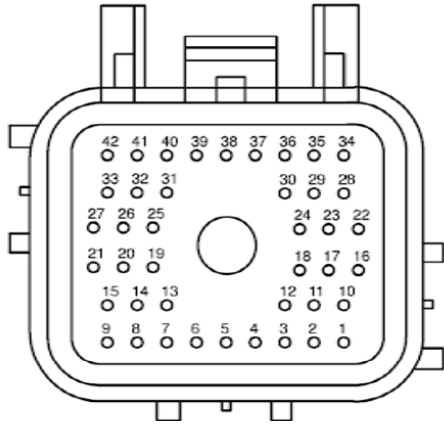
1 - 40A 'J' Case (F8) GN  
 7 - 30A 'J' Case (F7, F9, F10, F22, F29, F33 & F34) PK  
 3 - 20A 'J' Case (F3, F5 & F35) LB  
 4 - 10A Mini Fuse (F26, F39, F40 & F48) RD  
 3 - 15A Mini Fuse (F13, F46 & F47) LB  
 1 - 20A Mini Fuse (F25) YE

### SPLICES

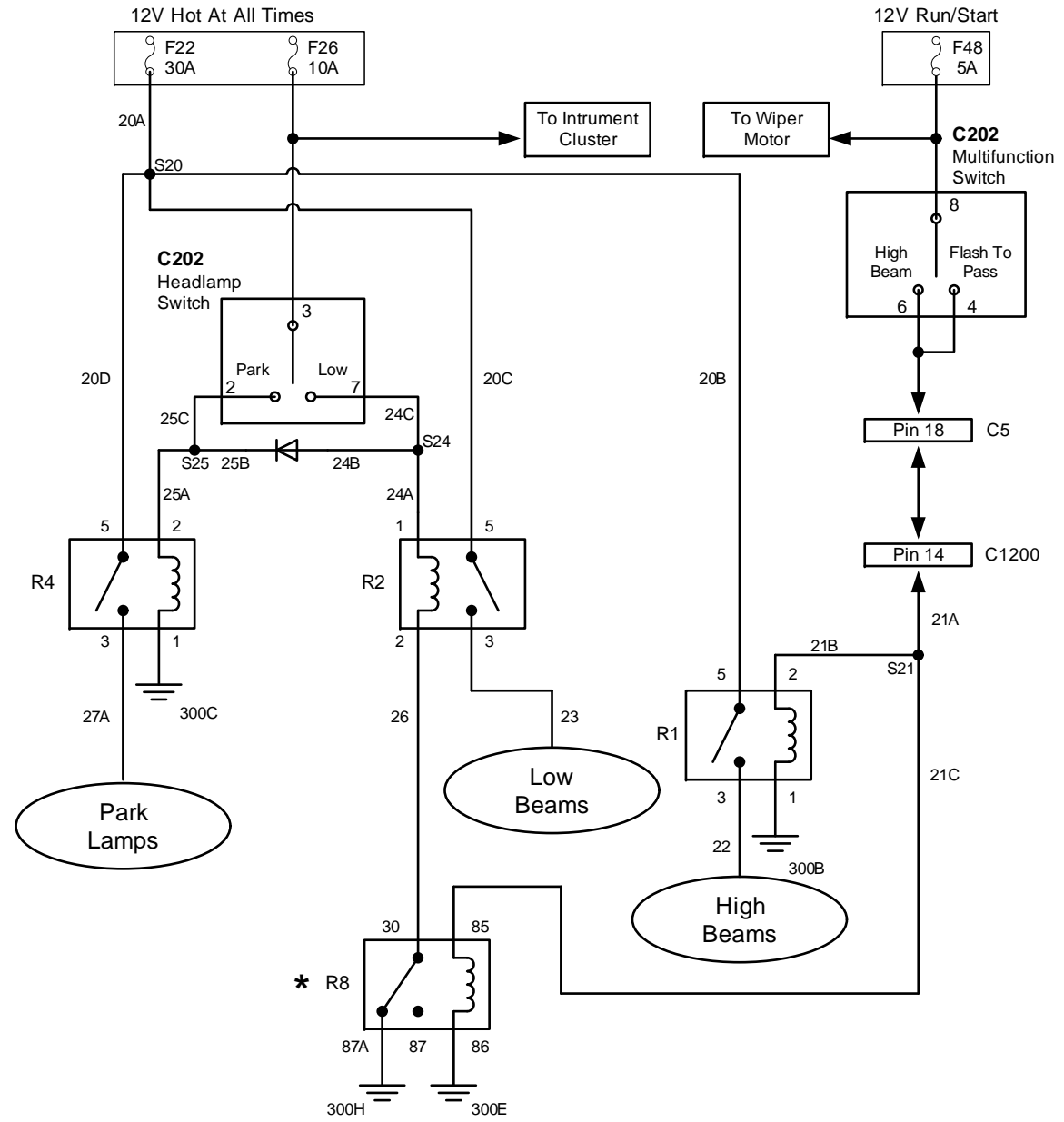
SPLICE	CIRCUIT FUNCTION	CIRCUIT	CONNECTOR-PIN
S20	12V HAAT (F22 - 30A)	20A	F22-2
S20	HIGH BEAM FEED	20B	R1-5
S20	LOW BEAM FEED	20C	R2-5
S20	PARKING LAMPS FEED	20D	R4-5
S24	LOW BEAM COIL	24A	R2-1
S24	DIODE TO PARKING LAMPS	24B	D1-1
S24	LOW BEAM SIGNAL	24C	C1200-2
S25	LOW BEAM COIL	24A	R2-1
S25	DIODE TO PARKING LAMPS	24B	D1-1
S25	LOW BEAM SIGNAL	24C	C1200-2
S170	12V RUN/START (F48 - 10A)	170A	F48-2
S170	12V RUN/START (F48 - 10A)	170B	C1200-18
S170	12V RUN/START (F48 - 10A)	170C	C1200-19
S240	12V RUN/START (F47 - 15A)	240A	F47-2
S240	12V RUN/START (F47 - 15A)	240B	C1200-22
S240	12V RUN/START (F47 - 15A)	240C	C1200-23
S1600	RUN/START POWER FEED	1600A	R5-87
S1600	RUN/START POWER FEED	1600B	F39-1
S1600	RUN/START POWER FEED	1600C	F40-1
S1600	RUN/START POWER FEED	1600D	F46-1
S1600	RUN/START POWER FEED	1600E	F47-1
S1600	RUN/START POWER FEED	1600F	F48-1

1 - Mini Diode BK  
 1 - Jumper Lead - 8ga 18"

**C1200 – 42way Male Inline to Body (Female Terminals)**



Cavity	Wire	Circuit Function	Circuit	To Connector-Pin
1	YE	14 ABS POWER (F10 - HAAT - 30A)	120	C5-14
2	DB/WH	20 LOW BEAM RELAY – COIL HIGH (R2-1+DIODE)	24	C205-7
3	DB/RD	18 T1-12V (F3 – HAAT – 20A)	200	C48-1
4	DB	18 MASTER WINDOW SWITCH (F - 15A)	140A	S140
5	GY/RD	16 POWER POINT/LINE-LOCK	380A	S380
6	DB/WH	18 HIGH BEAM	22	C3-2
7	BN/LB	18 LOW BEAM	23	C3-3
8	GY/RD	14 RH POWER WINDOWS MOTOR	40	C213-D6
9	VT	12 ABS POWER 40A	110	C5-25
10	-	-	-	-
11	GY	20 PARKING LAMP – SIGNAL COIL	25A	S25
12	-	-	-	-
13	PK	20 MIRROR 7.5A HAAT	270	C214-B12
14	DB/WH	20 HIGH BEAM / FTP	21B	S21
15	DB/WH	20 HIGH BEAM / FTP	21C	S21
16	RD/LG	18 RUN/START – IGNITION ON	201A	S201
17	YE	18 T4-AUX 1, 12V HAAT	230	C48-9
18	RD	18 T5-AUX 2, 12V KEY ON	170A	S170
19	DB/BN	20 5A RUN/START IC	171	C220-3
20	RD	18 T5-AUX 2, 12V KEY ON	250	C48-10
21	-	-	-	-
22	VT	18 10A RUN/START	240A	S240
23	DB/OG	20 10A RUN/START	241	C2041A-13
24	RD	18 T6 – AUX 3, 12V KEY ON	260	C48-13
25	YE	18 BRAKE ON/OFF - BOO (F25 – HAAT – 20A)	180A	S181
26	YE/RD	20 X (F? – HAAT - 10A)	220A	S220
27	-	-	-	-
28	-	-	-	-
29	YE/RD	14 LH POWER WINDOWS MOTOR	50	C214-D6
30	-	-	-	-
31	VT/WH	20 PARKING LAMP POWER	27A	S27z
32	-	-	-	-
33	-	-	-	-
34	VT	14 WIPER 30A	70	C5-24
35	BK	18 GND-HIGH BEAM RL COIL (-)	300B	S300z
36	BK	20 GND-PARK/RUN LAMPS COIL (-)	300C	S300z
37	BK	20 GND-12V RUN/START RL COIL (-)	300D	S300z
38	BK	20 GND-LOW BEAM RL OFF COIL (-)	300E	S300z
39	BK	18 GND-LOW BEAM RL OFF GND PASS THRU	300H	S300z
40	BK	18 GND-SCICP RL COIL (-)	300J	S300z
41	-	-	-	-
~	-	-	-	-



**\* Note for HID Headlamps (2013 Boss S)**

- Remove Relay R8 from PDB and replace with a Jumper Wire.
- The Jumper Wire will need to bridge continuity from Pin 30 to 87A