

GENERAL NOTES:

DESIGN CONTENT SHALL REMAIN THE INTELLECTUAL PROPERTY OF FORD MOTOR COMPANY. DESIGN INTENT SHALL BE EXECUTED PER DIRECTION OF FORD MOTOR COMPANY ENGINEERING. CHANGES IN MATERIALS, ASSEMBLY OR PROCESS MUST BE APPROVED PRIOR TO INITIAL PRODUCTION.

WHILE DRAWING MAY NOT REFLECT CURRENT ENGINEERING INTENT, SUPPLIER WILL BUILD ALL PARTS TO ALL NOTED ENGINEERING DIRECTION. DRAWING WILL BE UPDATED AS REQUIRED.


APPLICATION OF CONVOLUTE TUBING OR SIMILAR PROTECTIVE COVERINGS TO BE WRAPPED AND SECURED WITH APPROPRIATE TAPE WHERE REQUIRED. SUPPLIER RESERVES THE RIGHT TO CHOOSE CONVOLUTE ID BASED ON BUNDLE DIAMETER, WITHOUT ADVERSLY AFFECTING FIT, FUNCTION OR APPEARANCE.

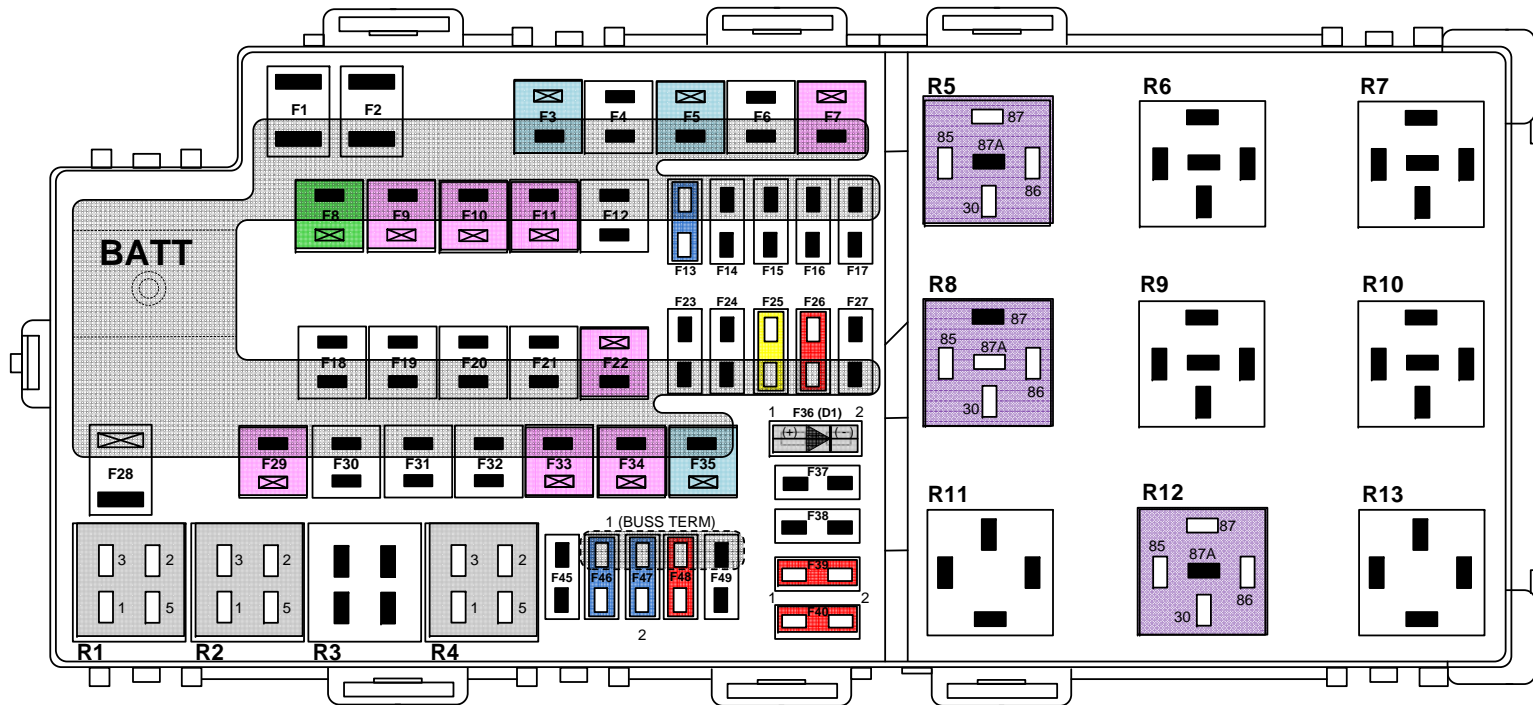
ALL SPLICES TO BE COVERED WITH DUAL-WALL, ADHESIVE-LINED, HEAT-SHRINK TUBING.

BASE WIRE COLOR AND STRIPE SHALL BE APPLIED AS SHOWN ON DRAWING. SUPPLIER RESERVES THE RIGHT TO SUBSTITUTE OR ELIMINATE WIRE STRIPE WHILE MAINTAINING WIRE BASE COLOR.

THIS DRAWING HAS BEEN PREPARED BY OR ON BEHALF OF FORD MOTOR COMPANY AND RETAINS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. THIS DRAWING SHALL NOT BE USED FOR ANY OTHER PURPOSE OTHER THAN PERFORMING SERVICES DIRECTLY OR INDIRECTLY TO FORD MOTOR COMPANY, WITHOUT THE EXPRESSED WRITTEN PERMISSION OF FORD MOTOR COMPANY. UNAUTHORIZED USE, COPYING OR MODIFICATION, INCLUDING THE REMOVAL OF THIS NOTE, MAY CONSTITUTE A VIOLATION OF CIVIL OR CRIMINAL LAWS, ENFORCABLE BY FORD OR GOVERNMENTAL AGENCIES.
COPYRIGHT FORD MOTOR COMPANY (2010)

NO.					
MAIN PDB					
REV	REVISIONS				
	DATE	DESIGNER	CHECKED BY	APPROVAL	CAD
C	REV C NEW FORMAT DRAFT REMOVED HID JUMPER INFO FOR 2013 BOSS S				
	2012.10.31	S. ALTHERR	J. DUNNE		YES
	MODIFIED SCICP CIRCUITRY				
	2013.11.06	S. ALTHERR	J. DUNNE		YES

MODEL DESCRIPTION			
FR500 MUSTANG			
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			
MAIN PDB			
DESIGNER S. ALTHERR	APPROVAL	FR500 WIRING ASSEMBLY - MAIN PDB	
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	C1200-38
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	C1200-37
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	C1200-39
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	C1200-36
R8	87A	ISO	GROUND	300H	C1200-35
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	5A	S5

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		BUSS	20A - J	BATT	T1 - 12V HAAT	200	C1200-3
F5		BUSS	20A - J	BATT	POWER POINT - LINE LOCK	80	C1200-5
F7		BUSS	30A - J	BATT	12V TO 'KEY-ON POWER' FUSES	30	R5-30
F8		BUSS	40A - J	BATT	ABS POWER	110	C1200-9
F9		BUSS	30A - J	BATT	WIPER MOTOR	70	C1200-34
F10		BUSS	30A - J	BATT	ABS POWER	120	C1200-1
F11		BUSS	30A - J	BATT	SCICP POWER	555A	C1200-42
F13		BUSS	15A	BATT	MIRRORS	270	C1200-13
F22		BUSS	30A-J	BATT	HEADLAMPS	20A	S20
F25		BUSS	20A - J	BATT	BRAKE LAMPS/FLASHERS/TURN	180A	C1200-25
F26		BUSS	10A	BATT	CLUSTER/LIGHT SWITCH FEED	220A	C1200-26
F29		BUSS	30A - J	BATT	POWER WINDOW MOTOR L.H.	50	C1200-29
F33		BUSS	30A - J	BATT	INTERCOOLER PUMP	1230	R12-30
F34		BUSS	30A - J	BATT	POWER WINDOW MOTOR R.H.	40	C1200-8
F35		BUSS	20A - J	BATT	T4 - AUX 1 HAAT	230	C1200-17
F39	2	10A	S1600	T5 - AUX 2 RUN/START	250	C1200-20	
F40	2	10A	S1600	T6 - AUX 3 RUN/START	260	C1200-24	
F46	2	15A	S1600	WINDOW SWITCH	140A	C1200-4	
F47	2	15A	S1600	RCM/ABS/SPS FEED	240A	S240	
F48	2	10A	S1600	CLUSTER/WIPER/MFS FEED	170A	S170 (DC)	

1 - 40A 'J' Case (F8) GN
 7 - 30A 'J' Case (F7, F9, F10, F11, 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
S5	SCICP FAN POWER	5A	R12-87
S5	SCICP FAN POWER	5B	C1200-32
S5	SCICP FAN POWER	5C	C1200-33
S20	12V HAAT (F22 - 30A)	20X	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 SIGNAL	24A	C1200-2
S24	PARK LAMPS DIODE (+)	24B	D1-1
S24	LOW BEAM COIL	24C	R2-1
S25	LOW BEAM SIGNAL	25A	C1200-11
S25	PARK LAMPS DIODE (-)	25B	D1-2
S25	LOW BEAM COIL	25C	R4-2
S170	12V RUN/START (F48 - 10A)	170A	F48-2 (DC)
S170	12V RUN/START (F48 - 10A)	170B	C1200-18
S170	12V RUN/START (F48 - 10A)	170C	C1200-19
S240	12V R/S (F47 - 15A)	240A	F47-2
S240	12V R/S (F47 - 15A)	240B	C1200-22
S240	12V R/S (F47 - 15A)	240C	C1200-23
S1600	R/S POWER FEED	1600A	R5-87
S1600	R/S PWR FEED	1600B	F39-1
S1600	R/S PWR FEED	1600C	F40-1
S1600	RUN/START POWER FEED	1600D	F46-1 (BUSS)
S1600	R/S PWR FEED	1600E	F47-1 (BUSS)
S1600	RUN/START POWER FEED	1600F	F48-1 (BUSS)

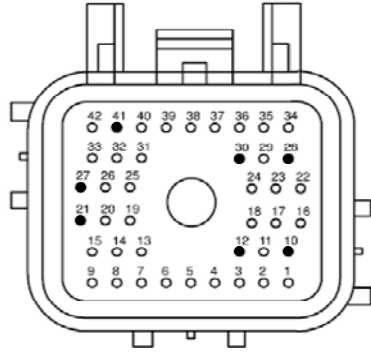
1 - Mini Diode BK
 1 - Jumper Lead - 8ga 18"

PDB REAR (WIRE ENTRY) VIEW

NOTE:
FUSES AND RELAYS ARE NOT VISIBLE FROM THIS VIEW.
THEY ARE SHOWN FOR REFERENCE ONLY.



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



Cavity	Wire	Circuit Function	Circuit	To Connector-Pin
1	WH/RD	12 ABS POWER 30A HAAT	120	F10-1
2	WH/DB	20 LOW BEAM SIGNAL	24A	S24
3	YE/RD	16 T1-12V HAAT	200	F3-1
4	GY/VT	18 ACC DELAY RELAY	140A	S1600
5	GY/RD	16 POWER POINT/LINE-LOCK	80	F5-1
6	YE/RD	18 HIGH BEAM	22	R1-3
7	WH/TN	20 LOW BEAM	23	R2-3
8	YE/RD	16 RH POWER WINDOWS MOTOR	40	F34-1
9	VT-RD	12 ABS POWER 40A	110	F8-1
10	-	-	-	-
11	GN/DB	20 PARKING LAMP – SIGNAL COIL	25A	S25
12	-	-	-	-
13	VT/RD	20 MIRROR 7.5A HAAT	270	F13-1
14	BK/GY	20 HIGH BEAM / FTP	21B	R1-2
15	WH/OG	20 HIGH BEAM / FTP	21C	R8-85
16	WH/OG	16 RUN/START – IGNITION ON	201A	R5-86
17	VT/RD	18 T4-AUX 1, 12V HAAT	230	F35-1
18	YE	18 T5-AUX 2, 12V KEY ON	170A	S170 (DC)
19	YE	20 5A RUN/START IC	170C	S170 (DC)
20	GY/VT	18 T5-AUX 2, 12V KEY ON	250	F39-2
21	-	-	-	-
22	GY/YE	20 10A RUN/START	240A	S240 (F47-2)
23	WH	18 10A RUN/START	240C	S240
24	YE/GN	18 T6 – AUX 3, 12V KEY ON	260	F40-2
25	WH/RD	18 20A HAAT	180C	F22-1
26	VT/RD	20 10A HAAT	220A	F26-1
27	-	-	-	-
28	-	-	-	-
29	GY/RD	14 LH POWER WINDOWS MOTOR	50	F29-1
30	YE/DB	20 SCICP TRIGGER	1286C	R12-86
31	WH/DB	20 PARKING LAMP POWER	27A	R4-3
32	DB	16 (ICP) FAN	5B	S5
33	DB	16 (ICP) FAN	5C	S5
34	DB/RD	12 WIPER 30A	70	F9-1
35	DB/RD	18 GND-HIGH BEAM RL COIL (-)	300B	R8-87A
36	BK/YE	20 GND-PARK/RUN LAMPS COIL (-)	300C	R8-86
37	VT/WH	20 GND-12V RUN/START RL COIL (-)	300D	R4-1
38	DB/RD	20 GND-LOW BEAM RL OFF COIL (-)	300E	R1-1
39	VT/WH	18 GND-LOW BEAM RL OFF GND PASS THRU	300H	R5-85
40	DB/RD	18 GND-SCICP RL COIL (-)	300J	R12-85
41	-	-	-	-
42	DB/RD	12 SCICP FAN POWER	555A	F11-1

NOTE:
WIRE COLOR MAY VARY W/ DONOR PDB

SCICP SCHEMATIC

