

AIRBORNE APE'S APIM PAGE OF INSANITY

HOW TO PIN A FORD 8" SYNC 3 APIM 54 PIN CONNECTOR	PIN & COLOR AS PER PHOTO	COLOR IN THIS EXCEL COLUMN = MODULE	PIN	NOTES	IF INSTALLING MICROSOFT MY FORD TOUCH IN 2011 to 2014	PIN
POWER INPUT	1	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	1	SAME PIN LOCATIONS ON SYNC 1, 2, 3 CONNECTORS	FUSE - 2 OR CIRCUIT BREAKER	1
NOT SUPPORTED OR NOT USED	2				NOT SUPPORTED OR NOT USED	2
KICKER MONO OUT (+) ? (what ever this is, it's used)	3	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	3	SAME PIN LOCATIONS ON SYNC 1, 2, 3 CONNECTORS	SYNC ALERT INPUT (+)	3
KICKER MONO OUT (-) ? (what ever this is, it's used)	4	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	4	SAME PIN LOCATIONS ON SYNC 1, 2, 3 CONNECTORS	SYNC ALERT INPUT (-)	4
NOT SUPPORTED OR NOT USED 2nd MICROPHONE INPUT (+)	5				NOT SUPPORTED OR NOT USED	5
NOT SUPPORTED OR NOT USED 2nd MICROPHONE INPUT (-)	6				NOT SUPPORTED OR NOT USED	6
NOT SUPPORTED OR NOT USED	7				NOT SUPPORTED OR NOT USED	7
APPLE CAR PLAY / ANDROID AUTO USB HUB POWER 12V (+) OUTPUT	8	SEND TO NEW USB HUB'S 12V (+) POWER INPUT @ PIN SHOWN IN RIGHT COLUMN	1	SAME PIN LOCATION ON SYNC 2 & 3 ONLY	MEDIA CONNECTIVITY POWER [TAKE FROM PIN 1 FROM 12th GEN F150 MEDIA HUB]	8
NOT SUPPORTED OR NOT USED	9				AUDIO JACK - AUX IN CABLE SHIELD [TAKE FROM PIN 4 FROM 12th GEN F150 MEDIA HUB]	9
NOT SUPPORTED OR NOT USED	10				AUDIO JACK AUX IN LEFT (+) [TAKE FROM PIN 5 FROM 12th GEN F150 MEDIA HUB]	10
NOT SUPPORTED OR NOT USED	11				AUDIO JACK AUX IN LEFT (-) [TAKE FROM PIN 6 FROM 12th GEN F150 MEDIA HUB]	11
MICROPHONE INPUT (+)	12	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	5		MICROPHONE - PHONE / VOICE CONTROL (+)	12
MICROPHONE INPUT (-)	13	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	6		MICROPHONE - PHONE / VOICE CONTROL (-)	13
REAR CAMERA INPUT RCA (+)	14	REAR CAMERA INPUT RCA (+) TAKE from 4" Front Display for backup camera	6	SAME PIN LOCATION ON SYNC 2 & 3 ONLY	CAMERA PARKING REAR RCA (+) [TAKE FROM PIN 6 FROM 4.2" DISPLAY CONNECTOR]	14
REAR CAMERA INPUT RCA (-)	15	REAR CAMERA INPUT RCA (-) TAKE from 4" Front Display for backup camera	12	SAME PIN LOCATION ON SYNC 2 & 3 ONLY	CAMERA PARKING REAR RCA (-) [TAKE FROM PIN 12 FROM 4.2" DISPLAY CONNECTOR]	15
MEDIUM SPEED CAN (+) INPUT	16	MEDIUM SPEED CAN (+) TAP from 26 PIN FCIM connector JSK 22-1402-0257 Brown Orange	17		GPSM DATA (+) [SPICE FROM GPSM PIN 2 on 12th GEN F150's]	16
MEDIUM SPEED CAN (-) INPUT	17	MEDIUM SPEED CAN (-) TAP from 26 PIN FCIM connector JSK 22-1402-0257 Pink Orange	18		GPSM DATA (-) [SPICE FROM GPSM PIN 3 on 12th GEN F150's]	17
NOT SUPPORTED OR NOT USED	18				NOT SUPPORTED OR NOT USED	18
HIGH SPEED CAN 3 (+)	19	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	16		MULTIMEDIA HIGH SPEED CAN BUS HIGH	19
HIGH SPEED CAN 3 (-)	20	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	17		MULTIMEDIA HIGH SPEED CAN BUS LOW	20
KICKER MONO OUT CABLE SHIELD ? (what ever this is, it's used)	21	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	21		SYNC ALERT INPUTS' CABLE SHIELD	21
STEREO OUTPUT CABLE SHIELD	22	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	22		STEREO OUTPUT CABLE SHIELD	22
STEREO OUTPUT LEFT (+) (Grey)	23	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	25	PAY CLOSE ATTENTION TO CHANGED PIN POSITION	BLUETOOTH / MULTIMEDIA GATEWAY MODULE / SIRIUS RADIO LEFT	23
STEREO OUTPUT LEFT (-) (Grey with black stripe)	24	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	26	PAY CLOSE ATTENTION TO CHANGED PIN POSITION	BLUETOOTH / MULTIMEDIA GATEWAY MODULE / SIRIUS RADIO LEFT	24
STEREO OUTPUT RIGHT (+)	25	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	23	PAY CLOSE ATTENTION TO CHANGED PIN POSITION	BLUETOOTH / MULTIMEDIA GATEWAY MODULE / SIRIUS RADIO RIGHT	25
STEREO OUTPUT RIGHT (-)	26	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	24	PAY CLOSE ATTENTION TO CHANGED PIN POSITION	BLUETOOTH / MULTIMEDIA GATEWAY MODULE / SIRIUS RADIO RIGHT	26
NOT SUPPORTED OR NOT USED	27				NOT SUPPORTED OR NOT USED	27
NOT SUPPORTED OR NOT USED	28				EXT AUDIO JACK AUX IN RIGHT (+) [TAKE FROM PIN 11 FROM 12th GEN F150 MEDIA HUB]	28
NOT SUPPORTED OR NOT USED 2nd MICROPHONE INPUTS' CABLE SHIELD	29				EXT AUDIO JACK AUX IN RIGHT (-) [TAKE FROM PIN 12 FROM 12th GEN F150 MEDIA HUB]	29
NOT SUPPORTED OR NOT USED	30				NOT SUPPORTED OR NOT USED	30
MICROPHONE INPUTS' CABLE SHIELD	31	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	29		NOT SUPPORTED OR NOT USED	31
NOT SUPPORTED OR NOT USED	32				NOT SUPPORTED OR NOT USED	32
USED CONDITIONALLY AFTERMARKET REAR CAMERA INPUTS RCA CABLE SHIELD	33				NOT SUPPORTED OR NOT USED	33
NOT SUPPORTED OR NOT USED	34				EXT VIDEO JACK AUX IN (+) [TAKE FROM PIN 3 FROM 12th GEN F150 MEDIA HUB]	34
NOT SUPPORTED OR NOT USED	35				EXT VIDEO JACK AUX IN (-) [TAKE FROM PIN 9 FROM 12th GEN F150 MEDIA HUB]	35
NOT SUPPORTED OR NOT USED	36				EXT VIDEO JACK AUX IN CABLE SHIELD [TAKE FROM PIN 2 FROM 12th GEN F150 MEDIA HUB]	36
APIM TO CHASSIS GROUND	37	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	37	SAME PIN LOCATIONS ON SYNC 1, 2, 3 CONNECTORS	APIM TO CHASSIS GROUND	37
APPLE CAR PLAY / ANDROID AUTO USB HUB GROUND (-)	38	SEND TO NEW USB HUB'S 12V (-) POWER INPUT PIN SHOWN IN RIGHT COLUMN	4		MEDIA HUB CHASSIS GROUND [TAKE FROM PIN 10 FROM 12th GEN F150 MEDIA HUB]	38
NOT SUPPORTED OR NOT USED	39				NOT SUPPORTED OR NOT USED	39
NOT SUPPORTED OR NOT USED	40				NOT SUPPORTED OR NOT USED	40
NOT SUPPORTED OR NOT USED	41				NOT SUPPORTED OR NOT USED	41
NOT SUPPORTED OR NOT USED	42				NOT SUPPORTED OR NOT USED	42
NOT SUPPORTED OR NOT USED	43				NOT SUPPORTED OR NOT USED	43
NOT SUPPORTED OR NOT USED AUX INPUT JACK CABLE SHIELD	44				NOT SUPPORTED OR NOT USED	44
NOT SUPPORTED OR NOT USED AUX INPUT JACK LEFT INPUT (+)	45				NOT SUPPORTED OR NOT USED	45
NOT SUPPORTED OR NOT USED AUX INPUT JACK LEFT INPUT (-)	46				NOT SUPPORTED OR NOT USED	46
NOT SUPPORTED OR NOT USED AUX INPUT JACK RIGHT INPUT (+)	47				NOT SUPPORTED OR NOT USED	47
NOT SUPPORTED OR NOT USED	48				NOT SUPPORTED OR NOT USED	48
NOT SUPPORTED OR NOT USED	49				NOT SUPPORTED OR NOT USED	49
NOT SUPPORTED OR NOT USED	50				NOT SUPPORTED OR NOT USED	50
SIRIUS DATA LINK OUT (+)	51	SIRIUS DATA LINK (+) TAP FROM 26 PIN ACM (AKA CD PLAYER) CONNECTOR	6		SIRIUS RADIO (+)	51
SIRIUS DATA LINK OUT (-)	52	SIRIUS DATA LINK (-) TAP FROM 26 PIN ACM (AKA CD PLAYER) CONNECTOR	19		SIRIUS RADIO (-) [ACM's PIN # 19 on 12th & 13th GEN F150's]	52
HIGH SPEED CAN 1 (+)	53	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	53	SAME PIN LOCATIONS ON SYNC 1, 2, 3 CONNECTORS	HIGH SPEED CAN (+)	53
HIGH SPEED CAN 1 (-)	54	TAKE FROM CURRENT SYNC 1 APIM 54 PIN HARNESS @ PIN SHOWN IN RIGHT COLUMN	54	SAME PIN LOCATIONS ON SYNC 1, 2, 3 CONNECTORS	HIGH SPEED CAN (-)	54

