



Automotive Data Solutions Inc.

INSTALL GUIDE FLCART(DL)-FM4-EN

AVAILABLE FOR: FLCART

Rev. Date: August 9, 2023

Doc. No.: ##82938##

PATENT NO. US 8,856,780 CA 2759622

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INSTALL TYPE SELECTION - 1 OF 1

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES															
				DATA IMMOBILIZER BYPASS	3X LOCK REMOTE START	A/M ALARM CTRL FROM OEM REMOTES	BRAKE PEDAL STATUS	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	TRUNK/HATCH RELEASE	POWER LIFTGATE	SECURE TAKE OVER	DOOR STATUS OUTPUT	TRUNK STATUS OUTPUT	HOOD STATUS OUTPUT**	E-BRAKE OUTPUT	RAP SHUTDOWN CTRL
FORD	C-Max Hybrid PTS AT*	13-17	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	C-Max STD key AT*	13-18	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Escape PTS AT*	13-16	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Escape STD key AT*	13-19	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Focus PTS AT	12-14	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Focus ST PTS MT	13-14	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Focus STD key AT	12-13	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Focus STD key AT	14	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Focus STD key AT	15-18	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Focus STD key MT	12-13	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Focus STD key MT	14-15	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Transit Connect STD key AT*	14-18	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

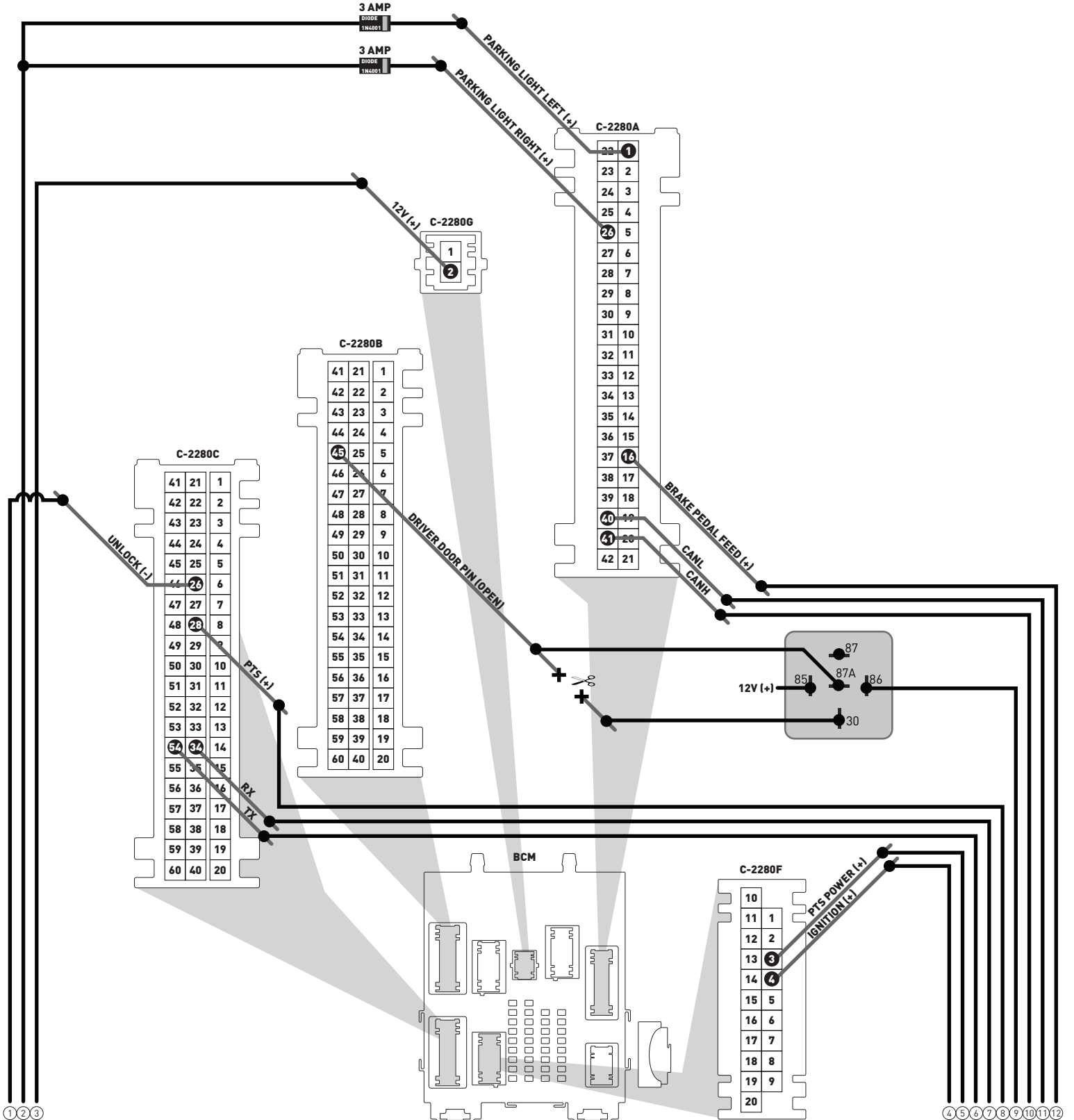
* WARNING: Program unlock before start and relock after start on the remote starter. Failure to comply will result in doorlocks not operating after the vehicle goes into deep sleep (approximately 1 hour).

**Available only if vehicle is equipped with factory hood switch.

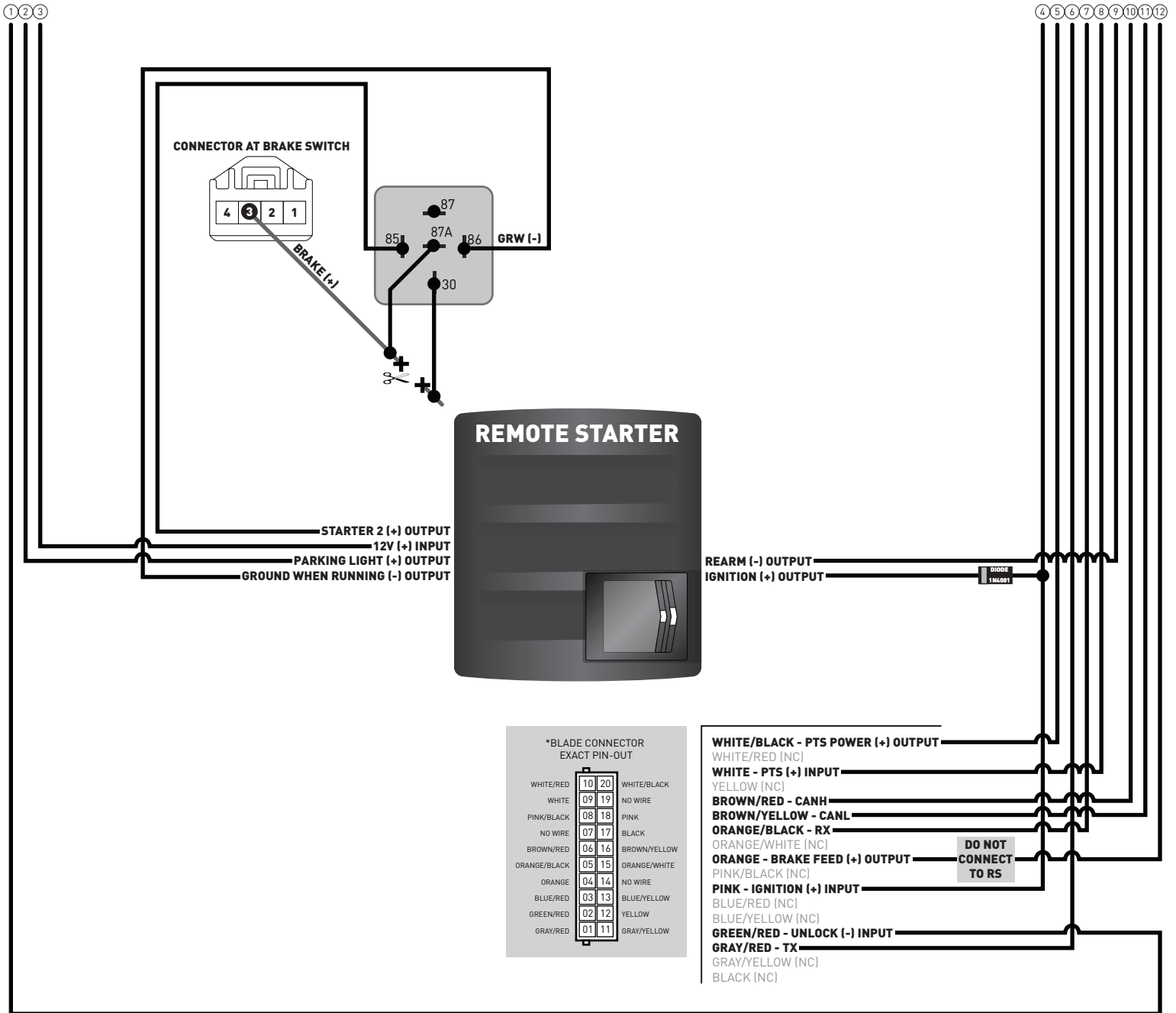
TYPE 1 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	C-Max Hybrid PTS AT	13-17	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			PTS	C2280C	Blue	60 pin	28	Red	(+)	BCM behind glove box	~
			PTS Power	C2280F	LtBlue	20 pin	03	Purple/Red	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Ignition	C2280F	LtBlue	20 pin	04	Green	(+)	BCM behind glove box	~
			Brake Pedal Feed	C2280A	LtGreen	42 pin	16	Green/Red	(+)	BCM behind glove box	~
			Brake	~	Black	04 pin	03	Purple/White	(OPEN)	Brake switch	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
	Unlock	C2280C	Blue	60 pin	26	Purple/Gray	(-)	BCM behind glove box	~		
	Escape PTS AT	13-16	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			PTS	C2280C	Blue	60 pin	28	Brown/Purple	(+)	BCM behind glove box	~
			PTS Power	C2280F	LtBlue	20 pin	03	Brown/Red	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Ignition	C2280F	LtBlue	20 pin	04	White/Gray	(+)	BCM behind glove box	~
			Brake Pedal Feed	C2280A	LtGreen	42 pin	16	Purple/White	(+)	BCM behind glove box	~
			Brake	~	White	04 pin	03	Purple/Orange	(OPEN)	Brake switch	~
Driver Door Pin			C2280B	Brown	60 pin	45	LtGreen/Purple	~	BCM behind glove box	~	
Parking Light Left	C2280A	LtGreen	42 pin	01	LtGreen/Orange	(+)	BCM behind glove box	~			
Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~			
Unlock	C2280C	blue	60 pin	26	Purple/Gray or Purple/Orange	(-)	BCM behind glove box	~			

TYPE 1 - WIRING DIAGRAM - 1 OF 2



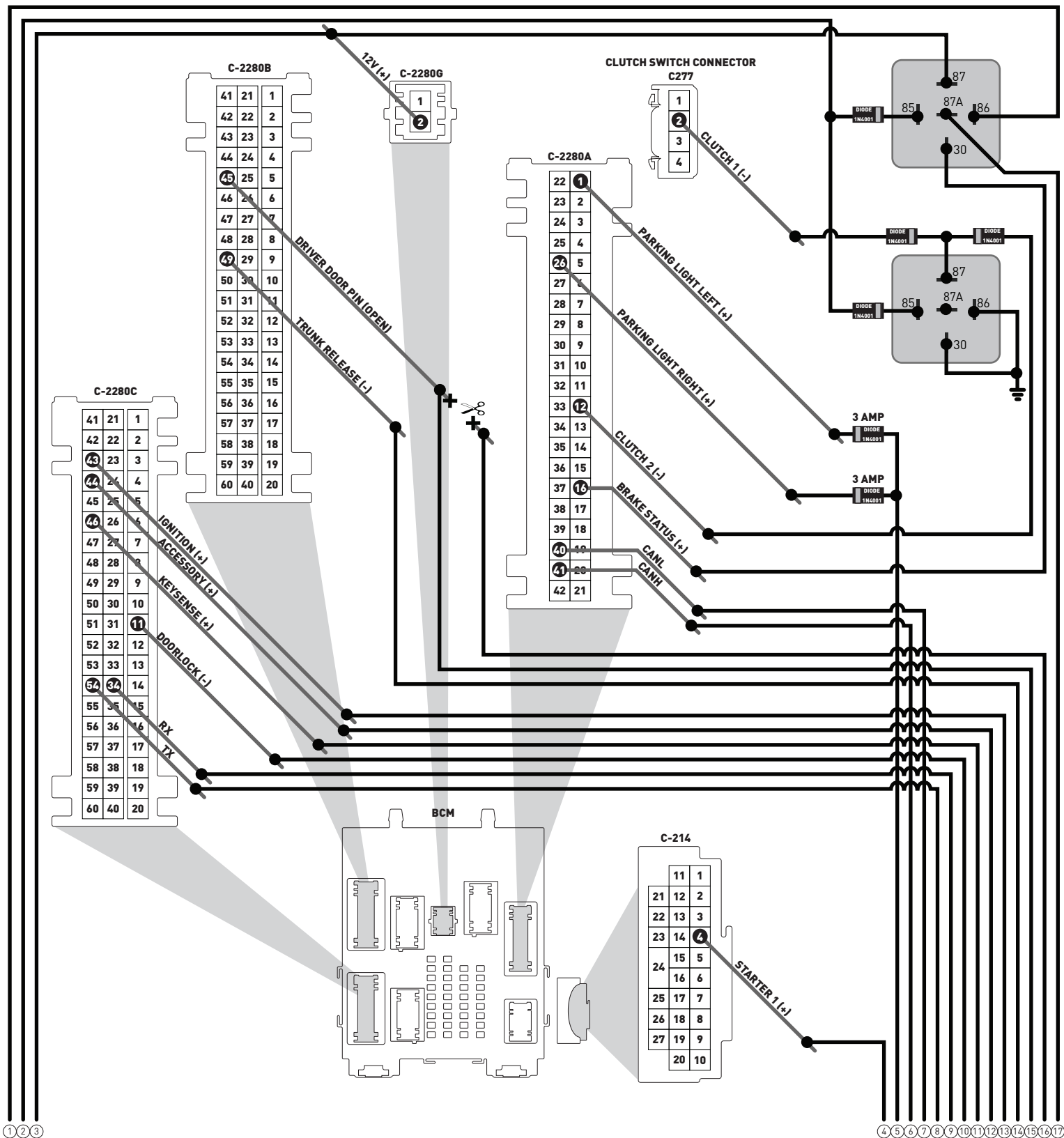
TYPE 1 - WIRING DIAGRAM - 2 OF 2



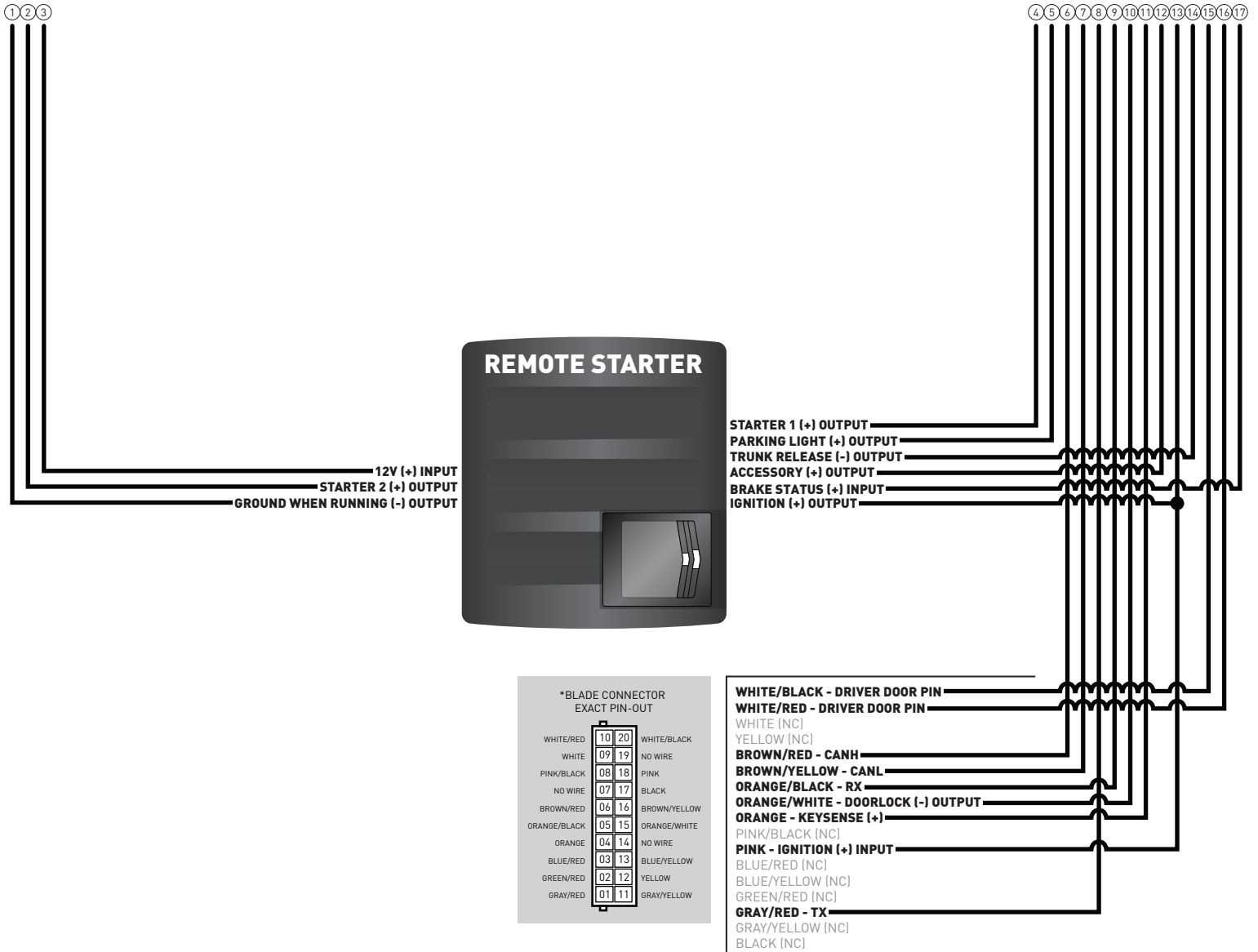
TYPE 2 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Focus STD key MT	12-13	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	C214	Black	27 pin	04	Blue/White	(+)	Junction connector right side of BCM	~
			Brake	C2280A	LtGreen	42 pin	16	Green/Red	(+)	BCM behind glove box	~
			Clutch 1	C277	Black	04 pin	02	Green/Purple	(-)	Clutch switch, driver side	~
			Clutch 2	C2280A	LtGreen	42 pin	12	Blue/Orange	(-)	BCM behind glove box	~
			Doorlock	C2280C	Blue	60 pin	11	Brown	(-)	BCM behind glove box	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~			

TYPE 2 - WIRING DIAGRAM - 1 OF 2



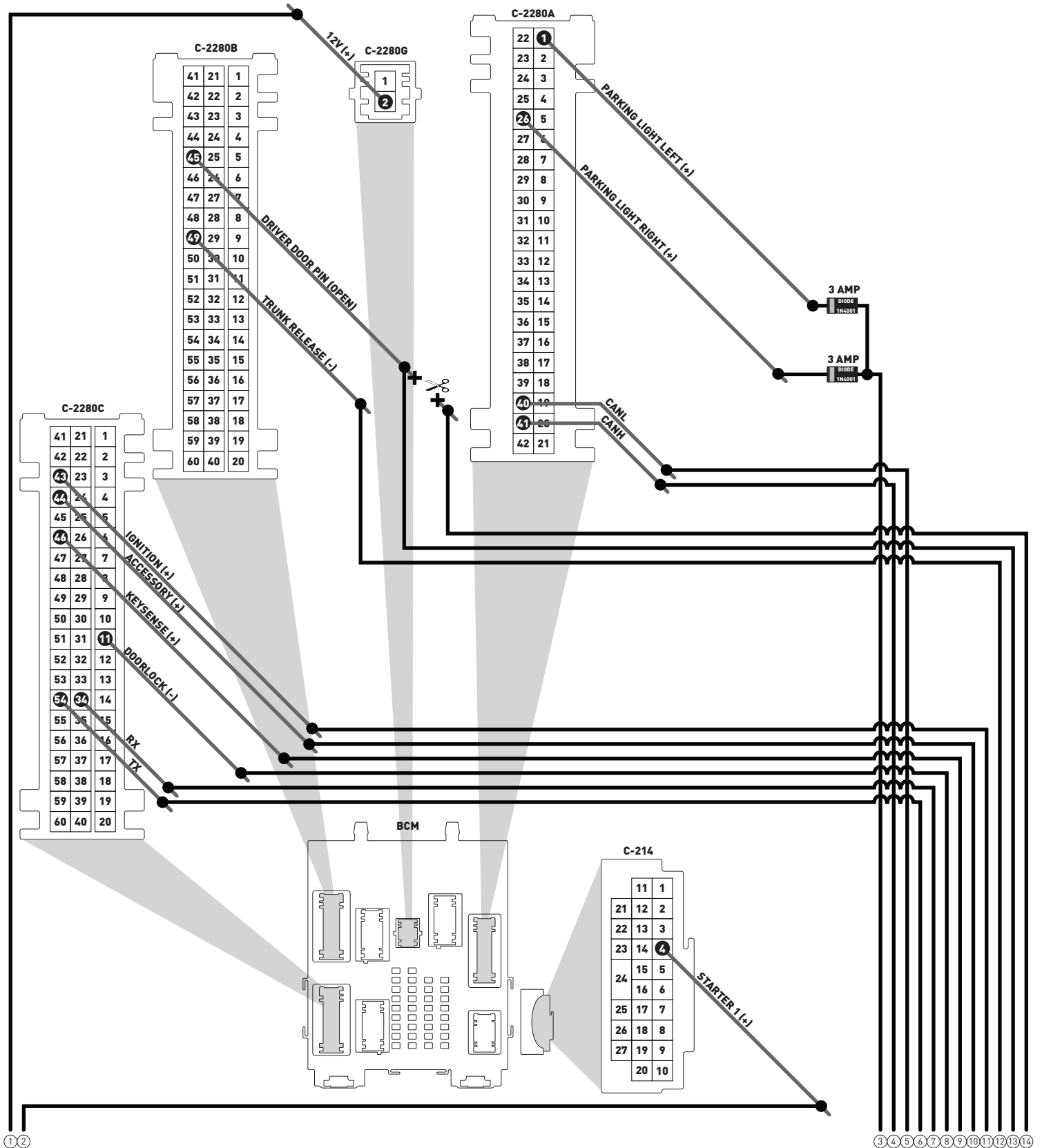
TYPE 2 - WIRING DIAGRAM - 2 OF 2



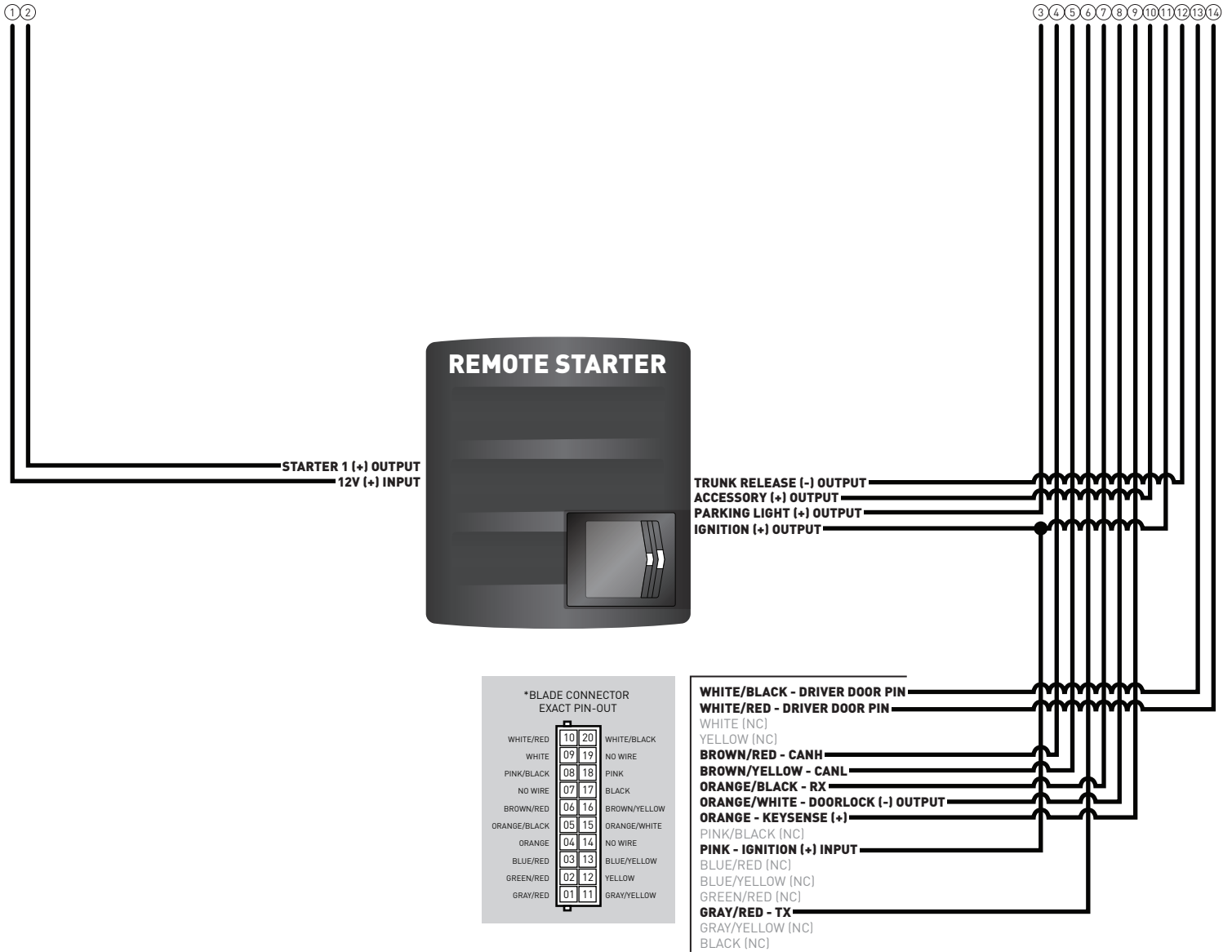
TYPE 3 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Focus STD key AT	12-13	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	C214	Black	27 pin	04	Blue/White	(+)	Junction connector right side of BCM	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
			Doorlock	C2280C	Blue	60 pin	11	Brown	(-)	BCM behind glove box	~
Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~			

TYPE 3 - WIRING DIAGRAM - 1 OF 2



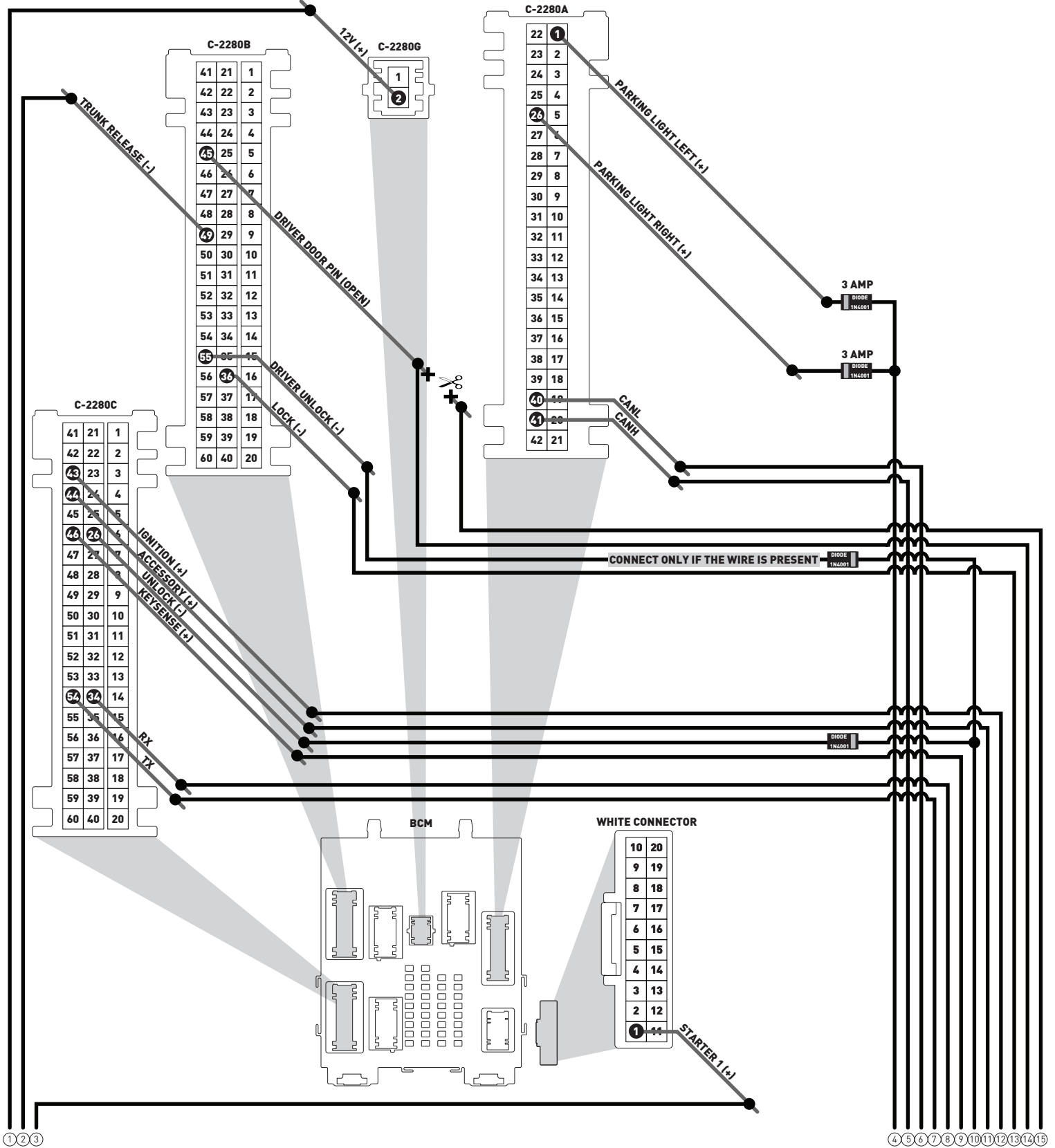
TYPE 3 - WIRING DIAGRAM - 2 OF 2



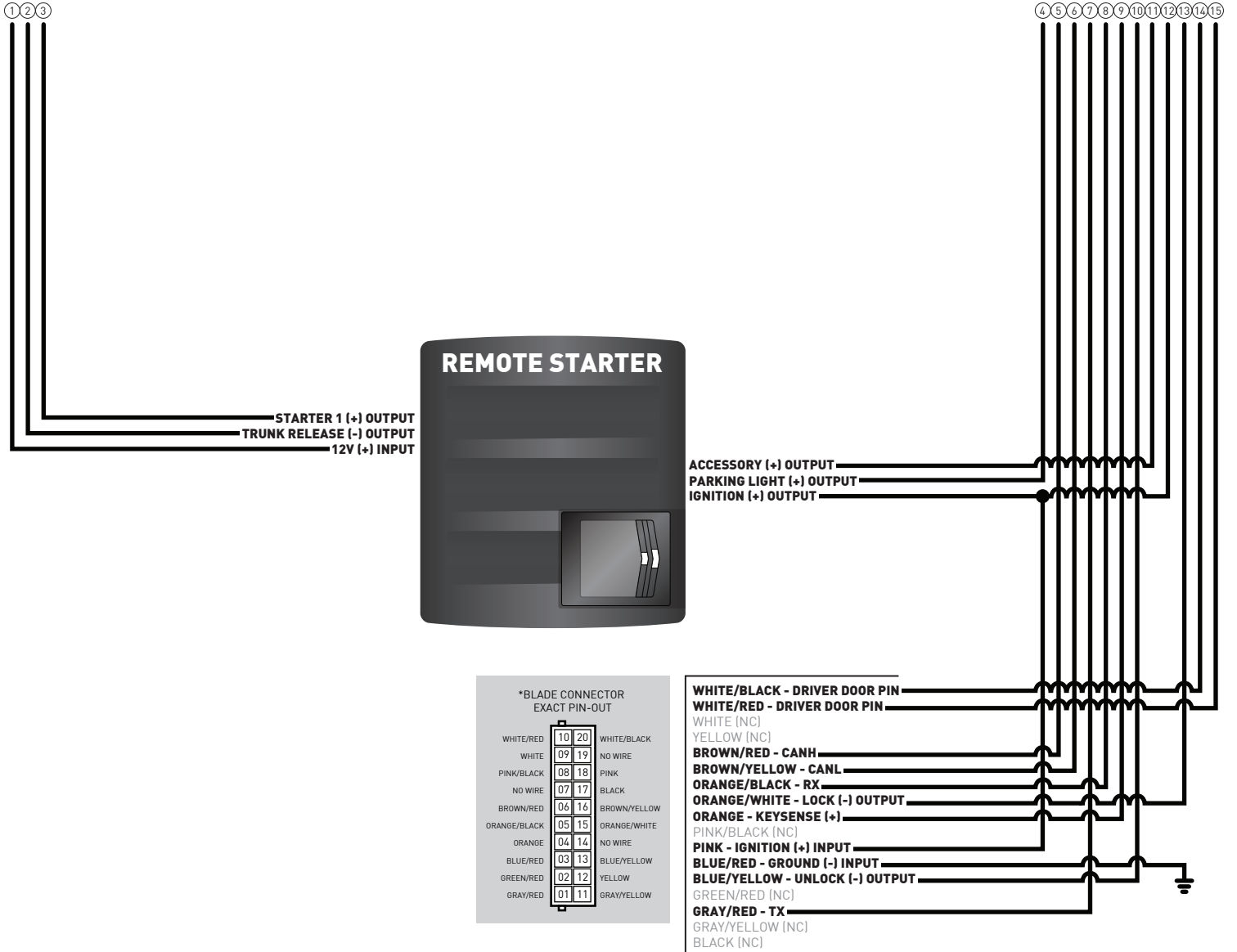
TYPE 4 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Escape STD key AT	13-16	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	~	White	20 pin	01	Blue/White	(+)	Near BCM behind glove box	~
			Driver Door Pin	C2280B	Brown	60 pin	45	LtGreen/Purple	~	BCM behind glove box	~
			Driver Unlock	C2280B	Brown	60 pin	55	Blue/Brown	(-)	BCM behind glove box	~
			Unlock	C2280C	Blue	60 pin	26	Purple/Gray or Purple/Orange	(-)	BCM behind glove box	~
			Lock	C2280B	Brown	60 pin	36	Gray/Yellow	(-)	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	LtGreen/Orange	(+)	BCM behind glove box	~
	Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~		
	Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~		
	Escape STD key AT	17-19	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Green/Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	~	White	20 pin	01	Blue/White	(+)	Near BCM behind glove box	~
			Driver Door Pin	C2280B	Brown	60 pin	45	LtGreen/Purple	~	BCM behind glove box	~
Driver Unlock			C2280B	Brown	60 pin	55	LtBlue/Brown	(-)	BCM behind glove box	~	
Unlock			C2280C	Blue	60 pin	26	Purple/Orange	(-)	BCM behind glove box	~	
Lock	C2280B	Brown	60 pin	36	Gray/Yellow	(-)	BCM behind glove box	~			
Parking Light Left	C2280A	LtGreen	42 pin	01	LtGreen/Orange	(+)	BCM behind glove box	~			
Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~			
Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~			

TYPE 4 - WIRING DIAGRAM - 1 OF 2



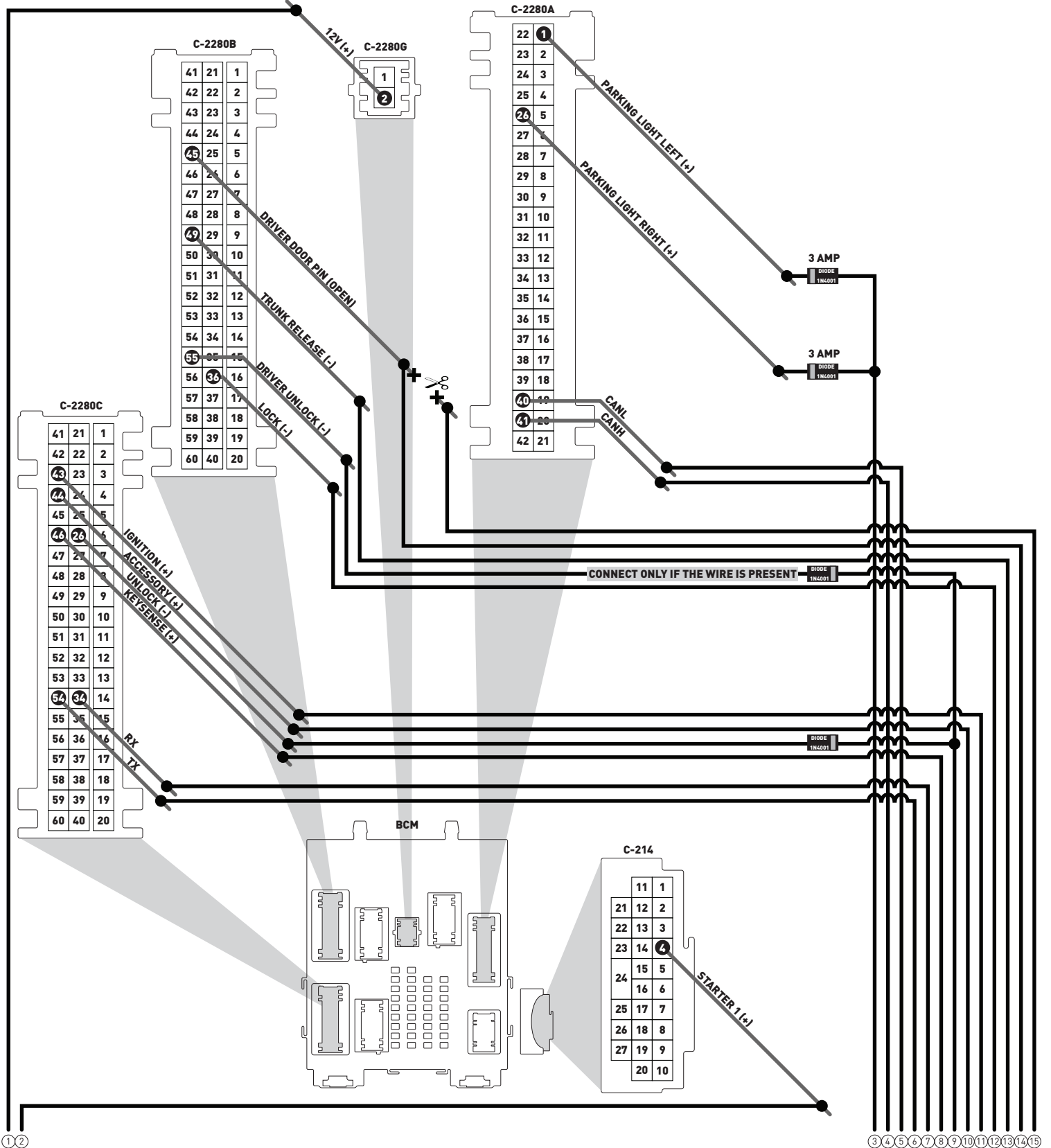
TYPE 4 - WIRING DIAGRAM - 2 OF 2



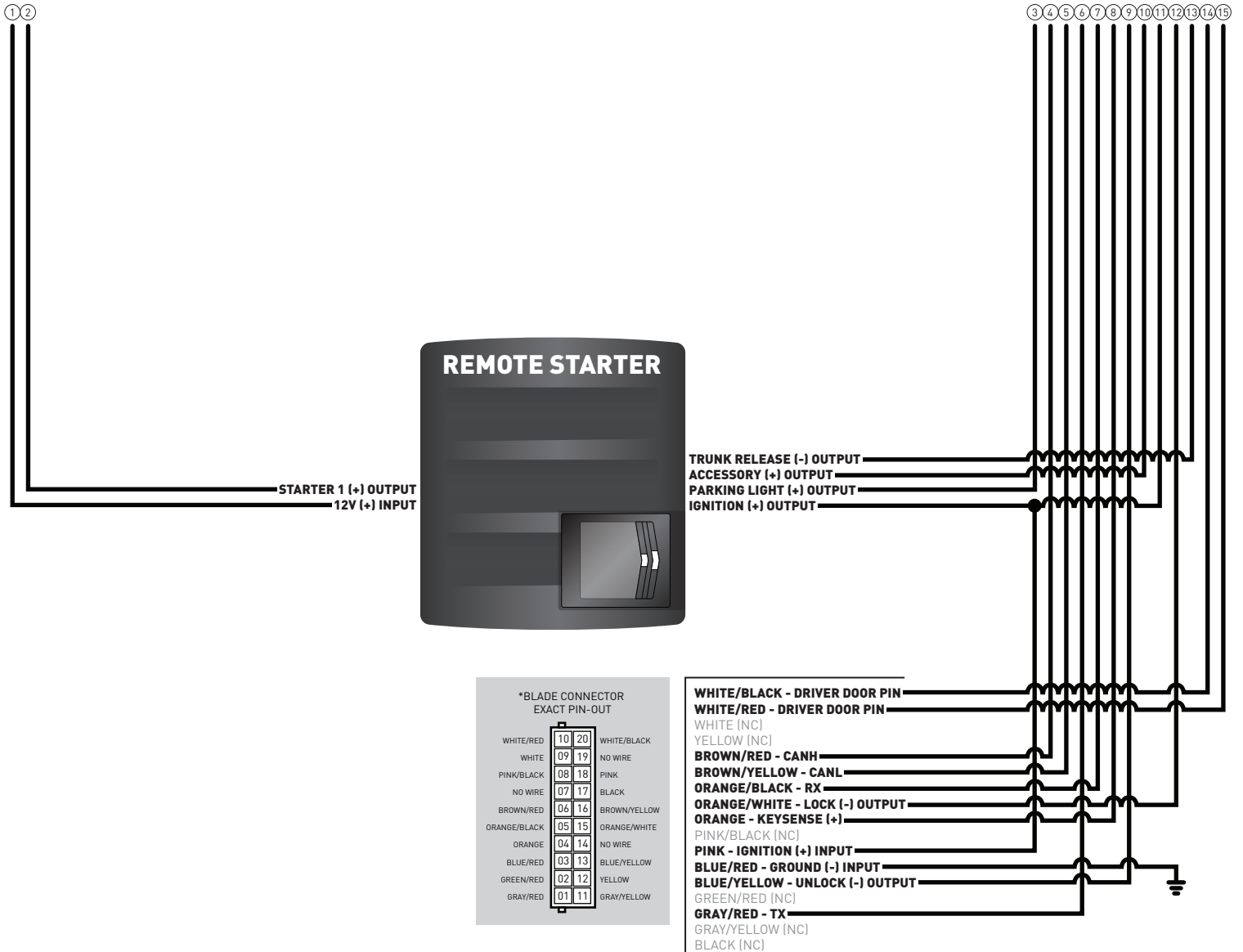
TYPE 5 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	C-Max STD key AT	13-18	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	C214	Black	27 pin	04	Blue/White	(+)	Junction connector right side of BCM	~
			Lock	C2280B	Brown	60 pin	36	Gray/Yellow	(-)	BCM behind glove box	~
			Unlock	C2280C	Blue	60 pin	26	Purple/Gray	(-)	BCM behind glove box	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Driver Unlock	C2280B	Brown	60 pin	55	Blue/Brown	(-)	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~			

TYPE 5 - WIRING DIAGRAM - 1 OF 2



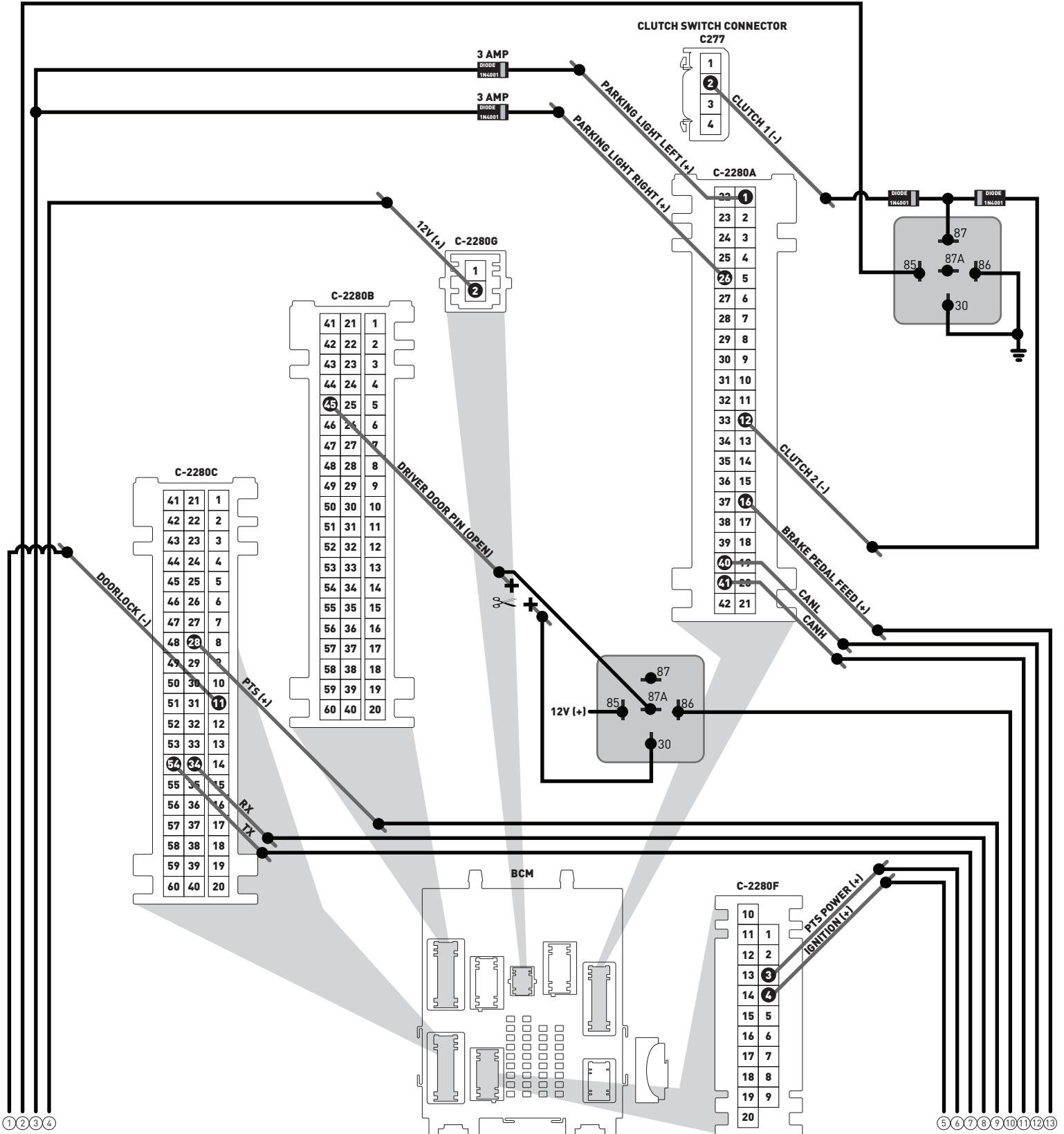
TYPE 5 - WIRING DIAGRAM - 2 OF 2



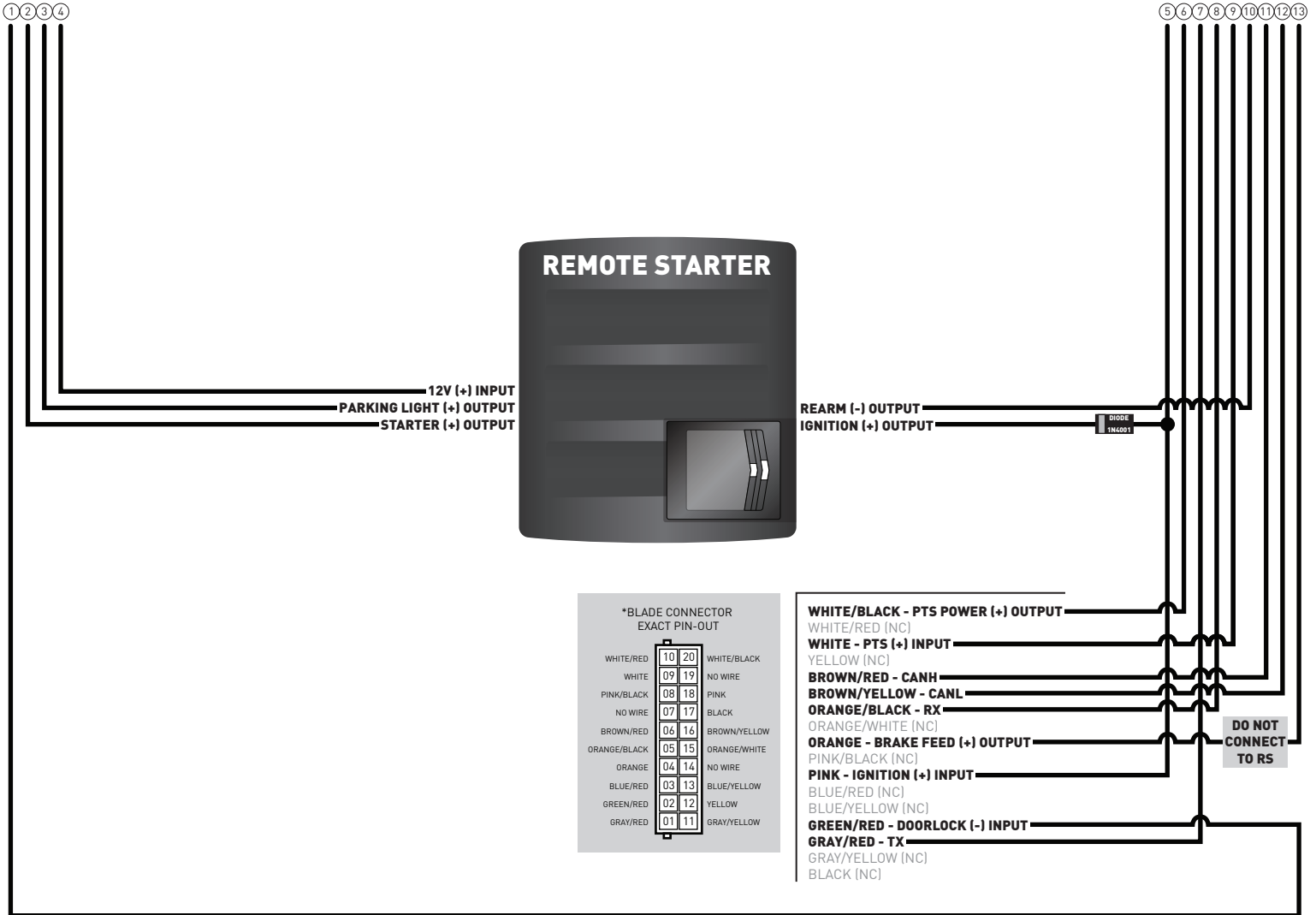
TYPE 6 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Focus ST PTS MT	13-14	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			PTS	C2280C	Blue	60 pin	28	Red	(+)	BCM behind glove box	~
			PTS Power	C2280F	LtBlue	20 pin	03	Purple/Red	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Ignition	C2280F	LtBlue	20 pin	04	Green	(+)	BCM behind glove box	~
			Brake Pedal Feed	C2280A	LtGreen	42 pin	16	Green/Red	(+)	BCM behind glove box	~
			Clutch 1	C277	Black	04 pin	02	Green/Purple	(-)	Clutch switch, driver side	~
			Clutch 2	C2280A	LtGreen	42 pin	12	Blue/Orange	(-)	BCM behind glove box	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
Doorlock	C2280C	Blue	60 pin	11	Brown	(-)	BCM behind glove box	~			

TYPE 6 - WIRING DIAGRAM - 1 OF 2



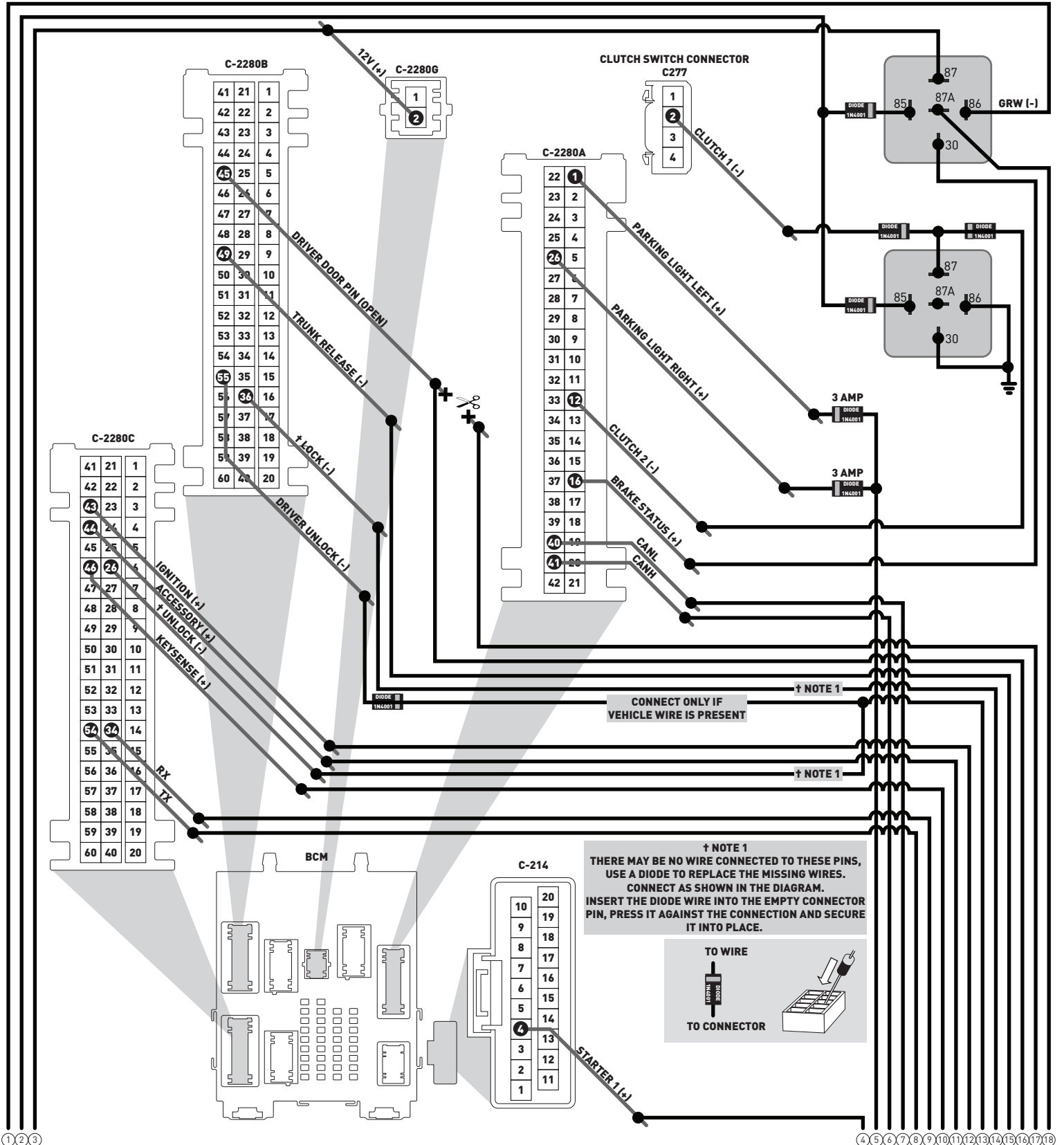
TYPE 6 - WIRING DIAGRAM - 2 OF 2



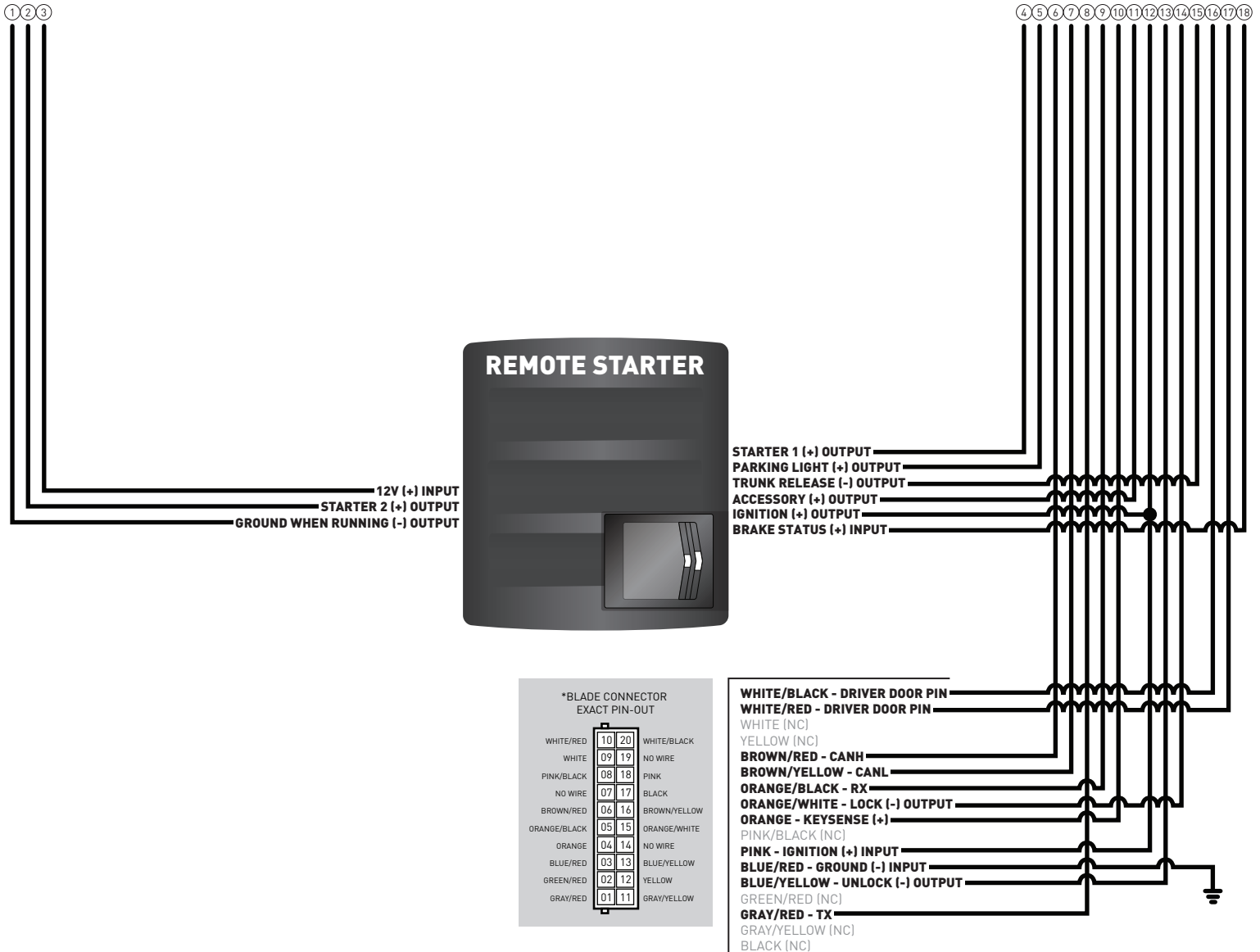
TYPE 7 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Focus STD key MT	14-15	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	C214	White	20 pin	04	Blue/White	(+)	Junction connector right side of BCM	~
			Brake	C2280A	LtGreen	42 pin	16	Green/Red	(+)	BCM behind glove box	~
			Clutch 1	C277	Black	04 pin	02	Green/Purple	(-)	Clutch switch, driver side	~
			Clutch 2	C2280A	LtGreen	42 pin	12	Blue/Orange	(-)	BCM behind glove box	~
			Driver Unlock	C2280B	Brown	60 pin	55	Green/Purple	(-)	BCM behind glove box	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
			Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~
			Lock	C2280B	Brown	60 pin	36	Empty	(-)	BCM behind glove box	~
Unlock	C2280C	Blue	60 pin	26	Empty	(-)	BCM behind glove box	~			

TYPE 7 - WIRING DIAGRAM - 1 OF 2



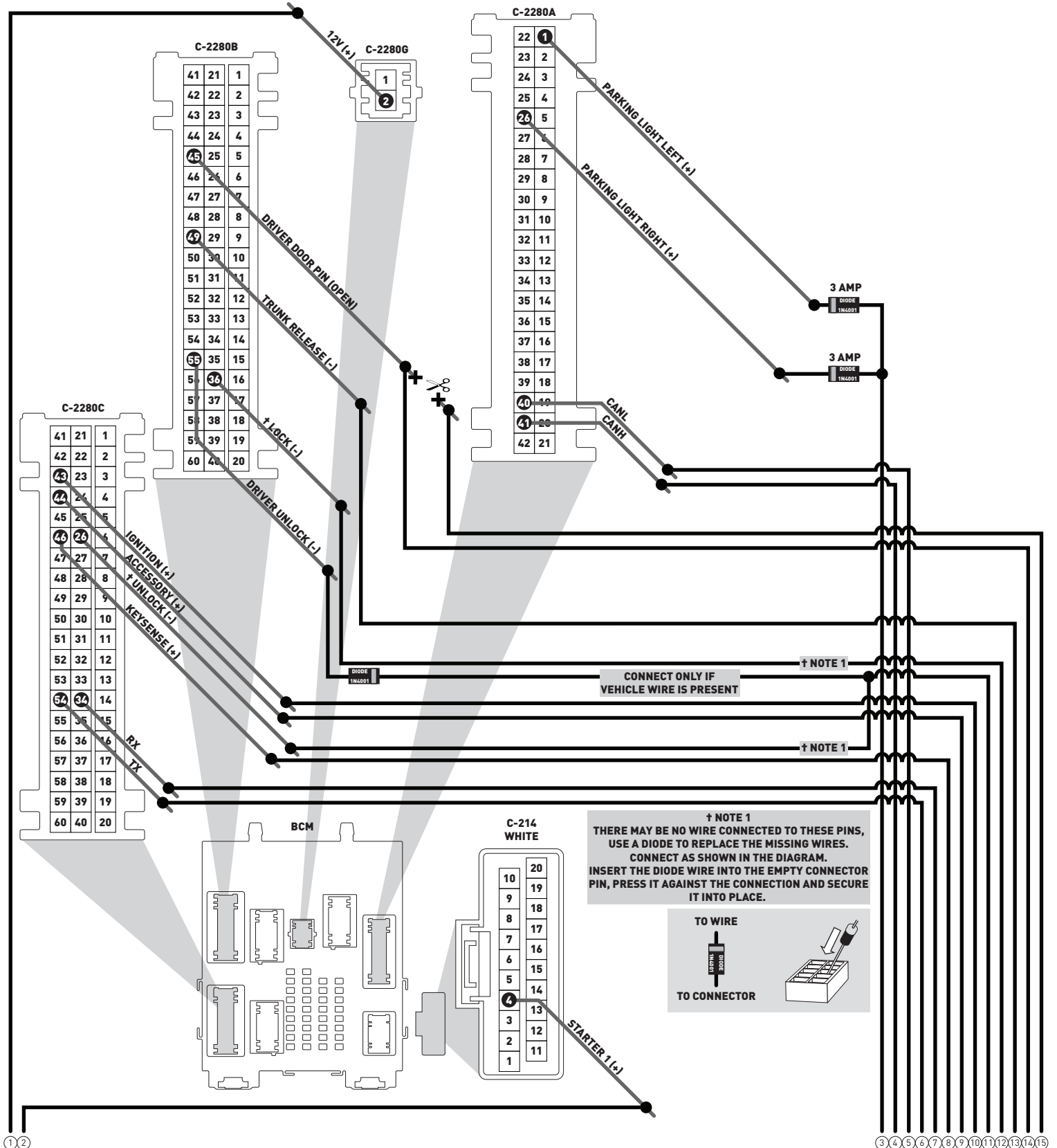
TYPE 7 - WIRING DIAGRAM - 2 OF 2



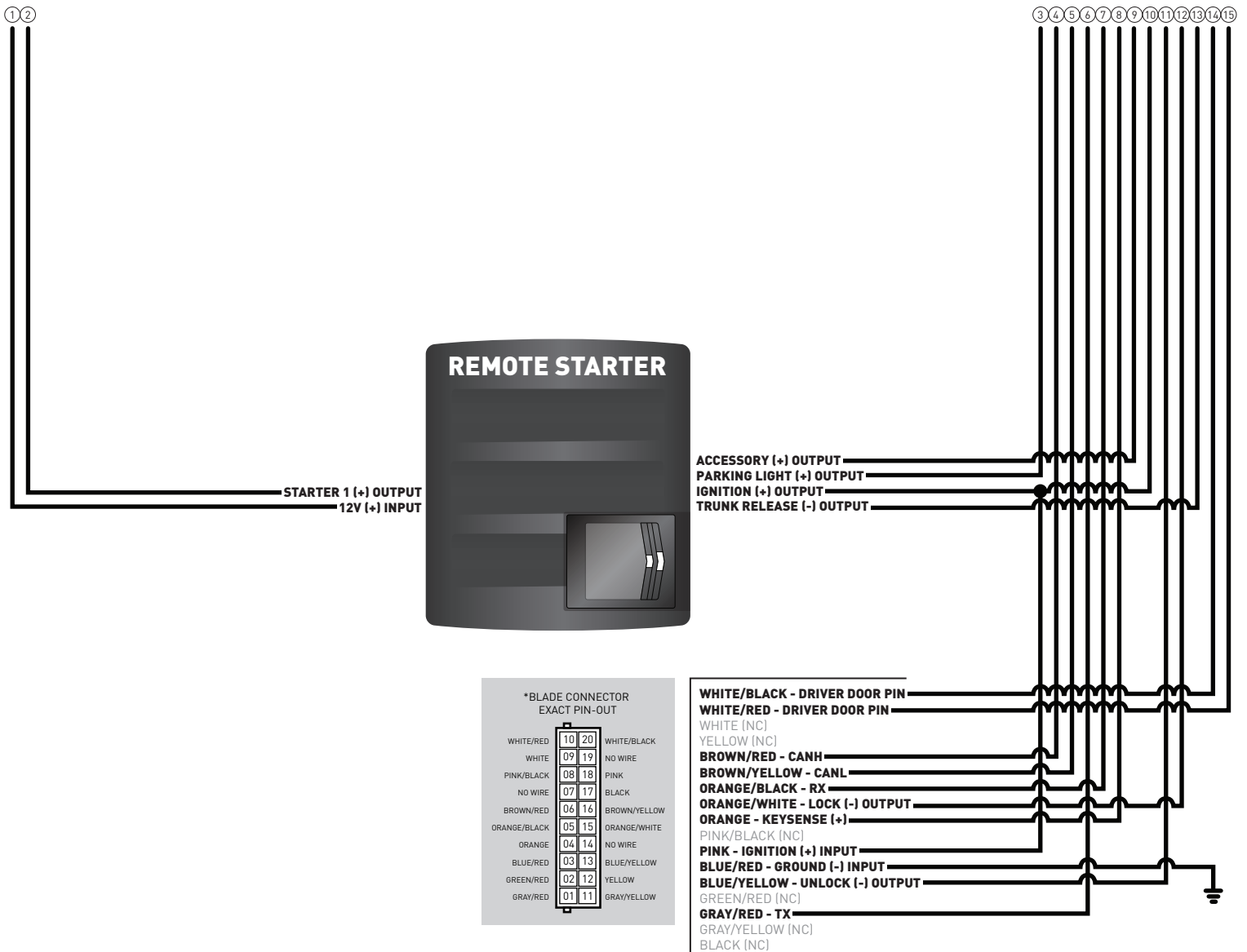
TYPE 8 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Focus STD key AT	14	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	C214	White	20 pin	04	Blue/White	(+)	Junction connector right side of BCM	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue or Green/Orange	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
			Driver Unlock	C2280B	Brown	60 pin	55	Green/Purple	(-)	BCM behind glove box	~
			Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~
			Lock	C2280B	Brown	60 pin	36	Empty or Brown	(-)	BCM behind glove box	~
Unlock	C2280C	Blue	60 pin	26	Empty or Brown/Green	(-)	BCM behind glove box	~			

TYPE 8 - WIRING DIAGRAM - 1 OF 2



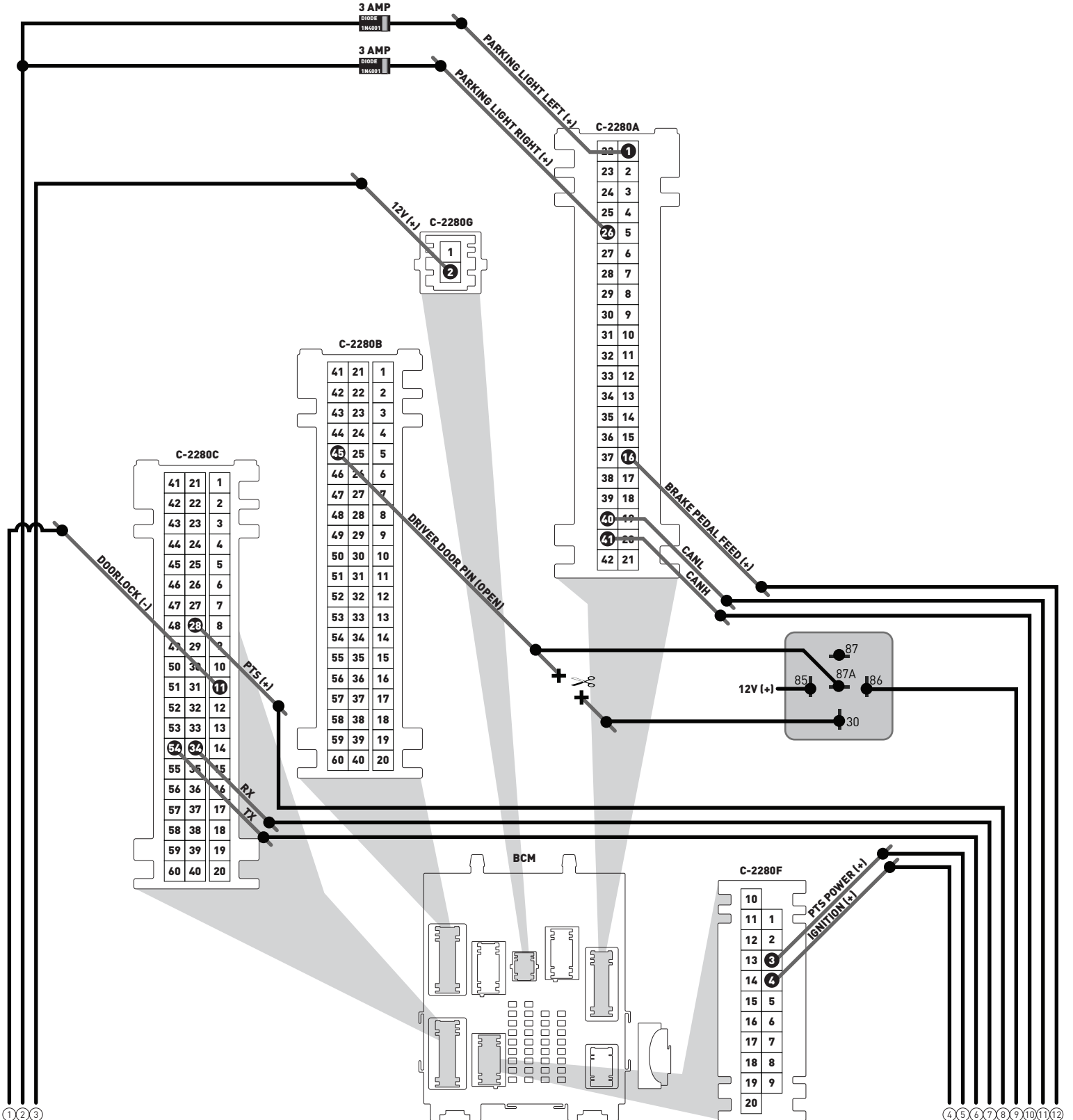
TYPE 8 - WIRING DIAGRAM - 2 OF 2



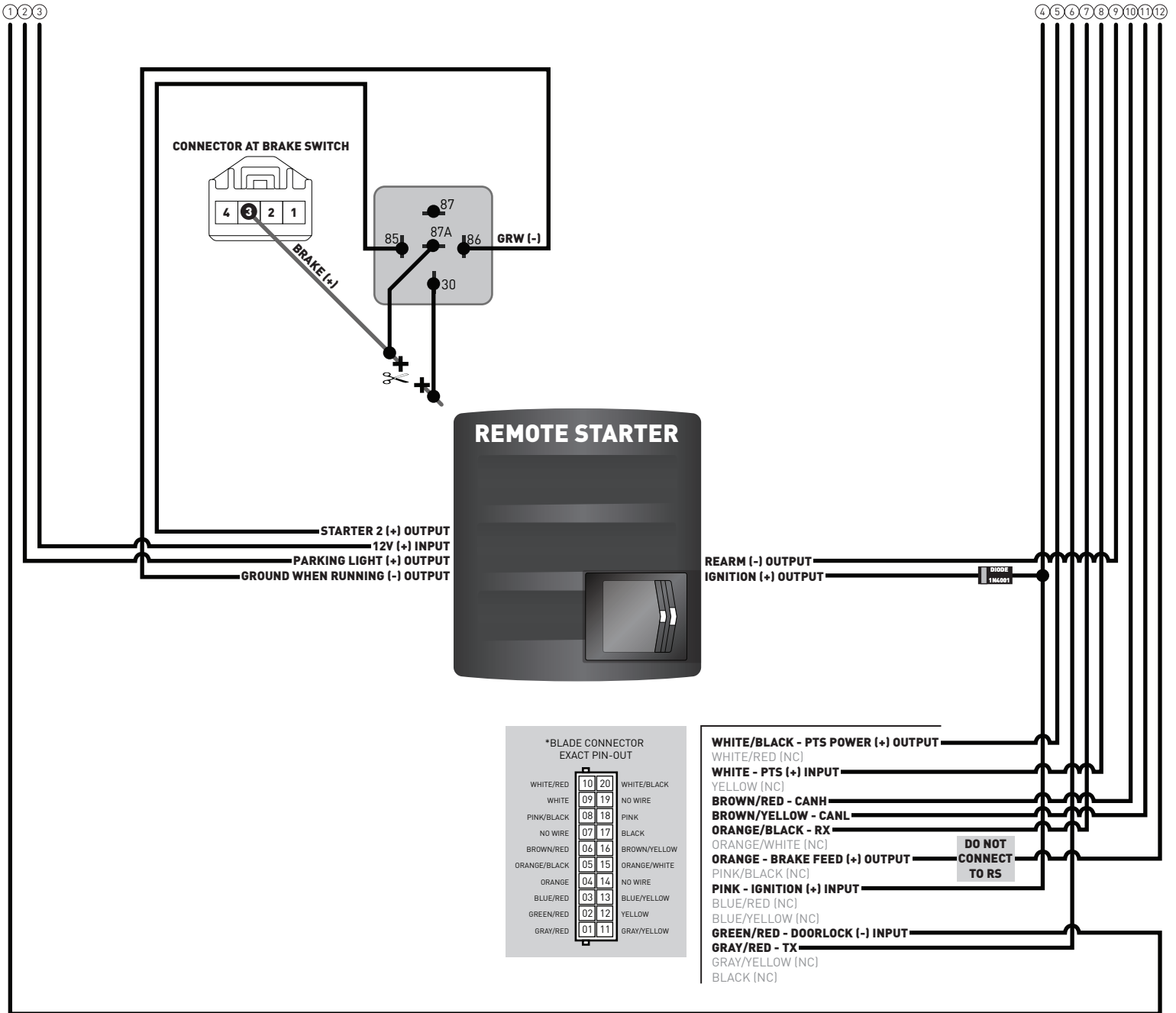
TYPE 9 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Focus PTS AT	12-14	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			PTS	C2280C	Blue	60 pin	28	Red	(+)	BCM behind glove box	~
			PTS Power	C2280F	LtBlue	20 pin	03	Purple/Red	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Ignition	C2280F	LtBlue	20 pin	04	Green	(+)	BCM behind glove box	~
			Brake Pedal Feed	C2280A	LtGreen	42 pin	16	Green/Red	(+)	BCM behind glove box	~
			Brake	~	White	04 pin	03	Purple/White	(OPEN)	Brake switch	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
Doorlock	C2280C	Blue	60 pin	11	Brown	(-)	BCM behind glove box	~			

TYPE 9 - WIRING DIAGRAM - 1 OF 2



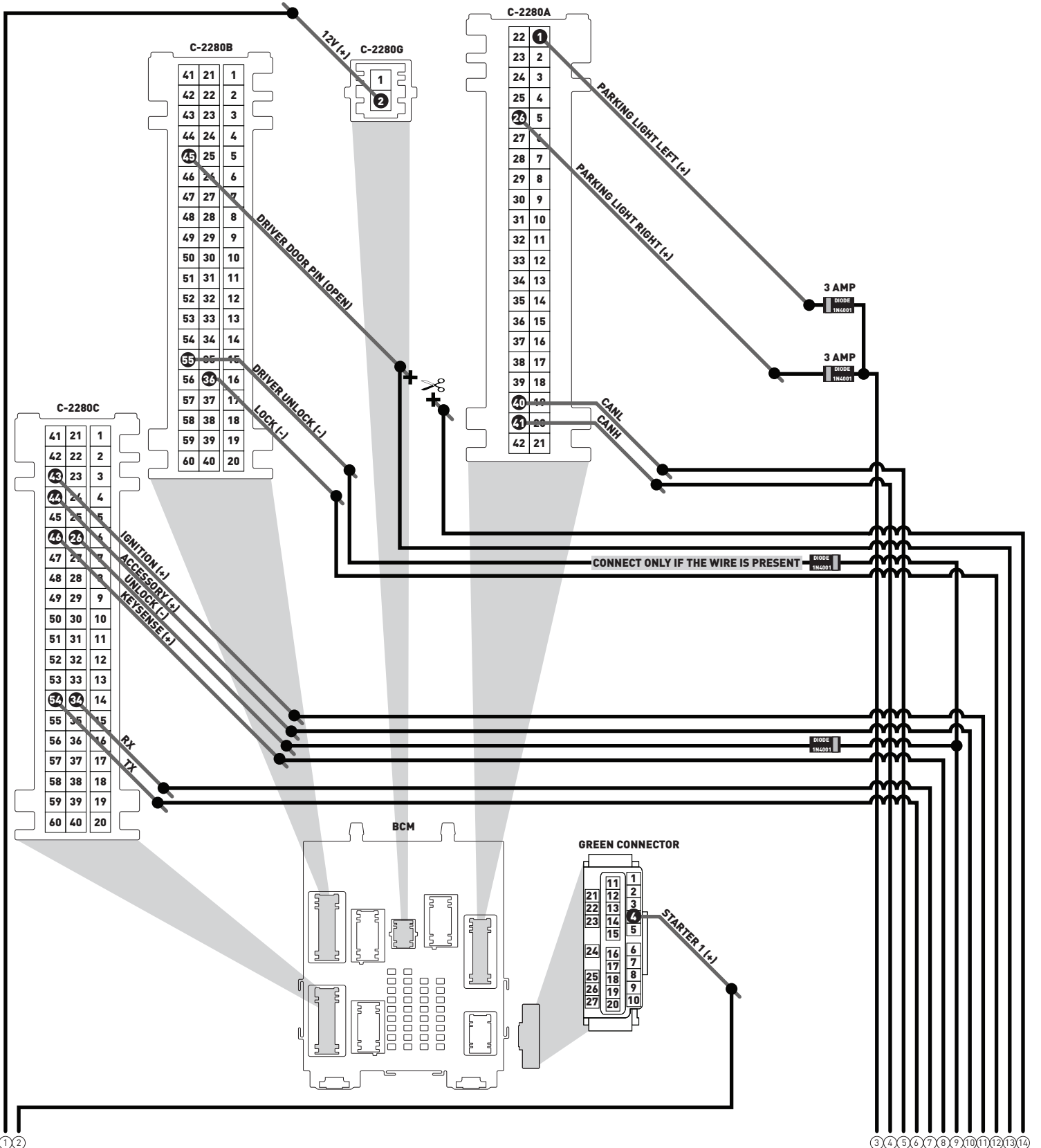
TYPE 9 - WIRING DIAGRAM - 2 OF 2



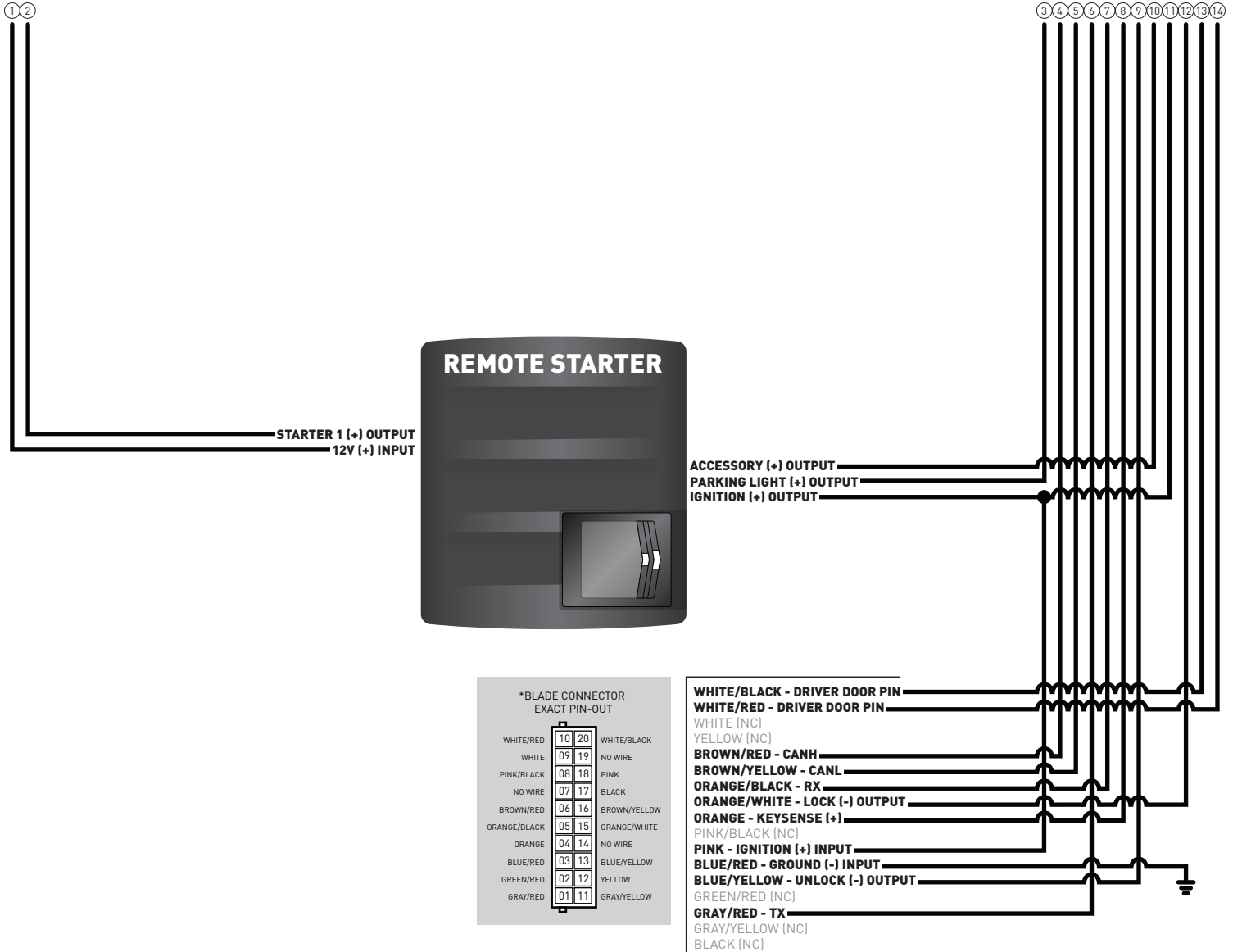
TYPE 10 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Transit Connect STD key AT	14-18	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	C212	Green	27 pin	04	Blue/White	(+)	Near BCM behind glove box	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Driver Unlock	C2280B	Brown	60 pin	55	Green/Purple	(-)	BCM behind glove box	~
			Unlock	C2280C	Blue	60 pin	26	Purple/Gray	(-)	BCM behind glove box	~
			Lock	C2280B	Brown	60 pin	36	Gray/Yellow	(-)	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~

TYPE 10 - WIRING DIAGRAM - 1 OF 2



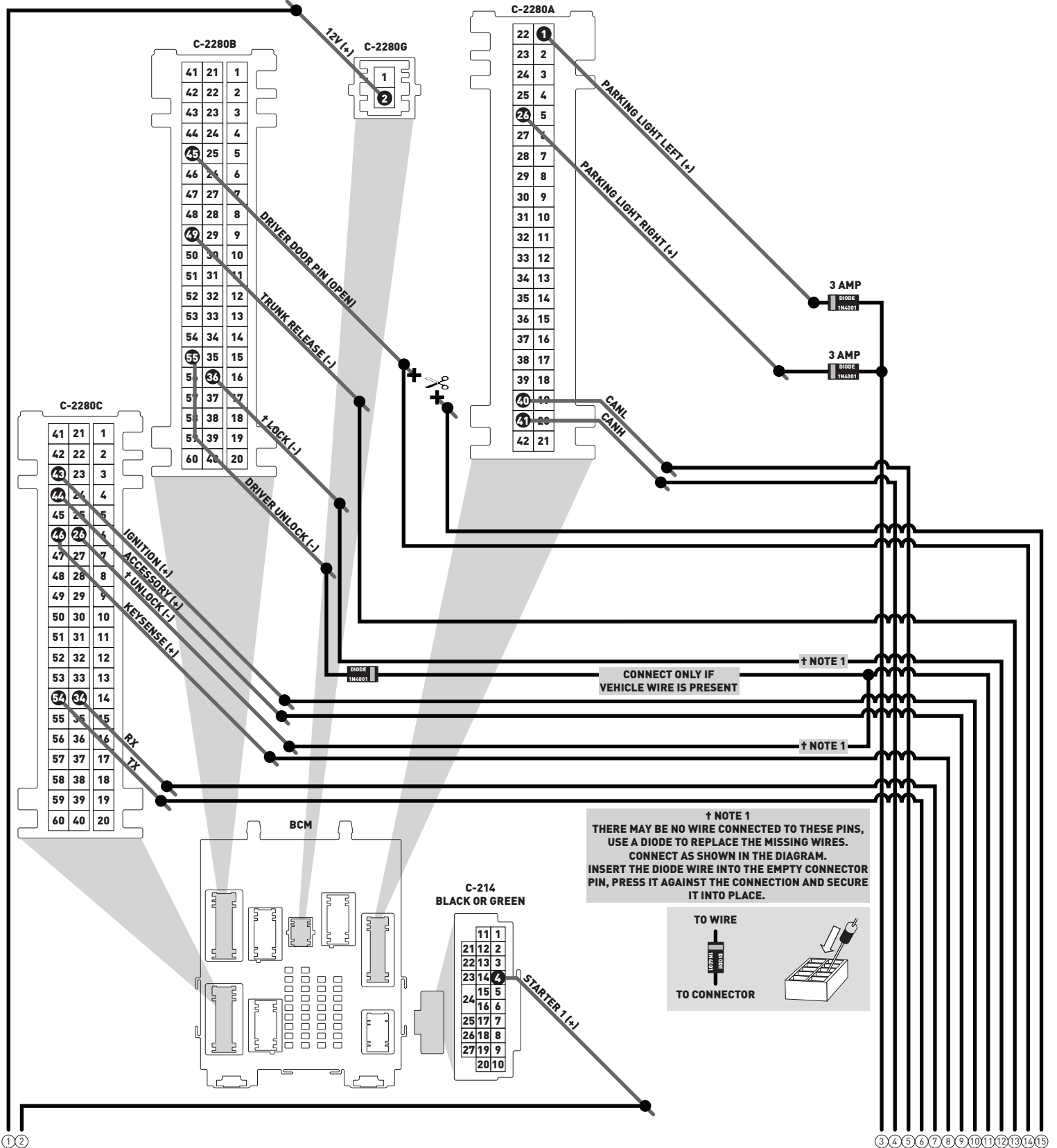
TYPE 10 - WIRING DIAGRAM - 2 OF 2



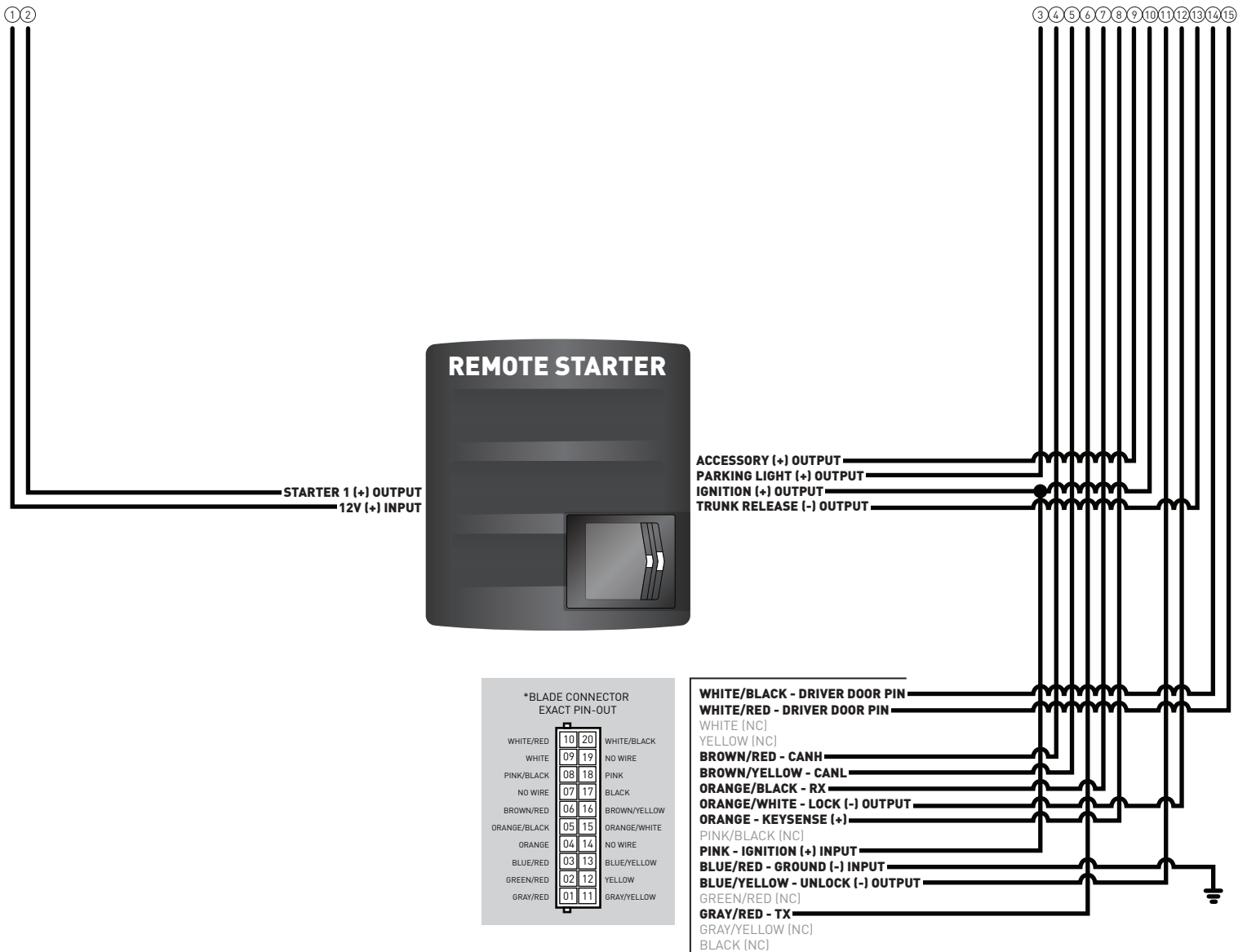
TYPE 11 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Focus STD key AT	15-18	CanH	C2280A	LtGreen	42 pin	41	Gray/Orange	(DATA)	BCM behind glove box	~
			CanL	C2280A	LtGreen	42 pin	40	Purple/Orange	(DATA)	BCM behind glove box	~
			Keysense	C2280C	Blue	60 pin	46	Blue/Gray	(+)	BCM behind glove box	~
			Rx	C2280C	Blue	60 pin	34	Purple/Gray	(DATA)	BCM behind glove box	~
			Tx	C2280C	Blue	60 pin	54	Yellow/Orange	(DATA)	BCM behind glove box	~
			12V	C2280G	~	02 pin	02	Red	(+)	BCM behind glove box	~
			Accessory	C2280C	Blue	60 pin	44	Purple/Green	(+)	BCM behind glove box	~
			Ignition	C2280C	Blue	60 pin	43	Brown/Yellow	(+)	BCM behind glove box	~
			Starter	C214	Black or Green	27 pin	04	Blue/White	(+)	Junction connector right side of BCM	~
			Driver Door Pin	C2280B	Brown	60 pin	45	Green/Purple	~	BCM behind glove box	~
			Parking Light Left	C2280A	LtGreen	42 pin	01	Yellow/Blue or Green/Orange	(+)	BCM behind glove box	~
			Parking Light Right	C2280A	LtGreen	42 pin	26	Brown/Yellow	(+)	BCM behind glove box	~
			Driver Unlock	C2280B	Brown	60 pin	55	Green/Purple	(-)	BCM behind glove box	~
			Trunk Release	C2280B	Brown	60 pin	49	Brown	(-)	BCM behind glove box	~
			Lock	C2280B	Brown	60 pin	36	Empty or Brown	(-)	BCM behind glove box	~
Unlock	C2280C	Blue	60 pin	26	Empty or Brown/Green	(-)	BCM behind glove box	~			

TYPE 11 - WIRING DIAGRAM - 1 OF 2

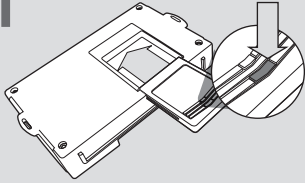


TYPE 11 - WIRING DIAGRAM - 2 OF 2



CARTRIDGE INSTALLATION

1


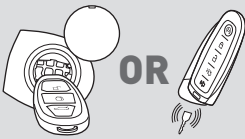

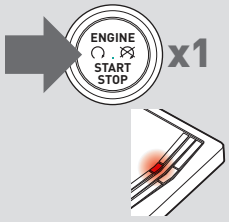



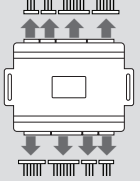
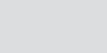
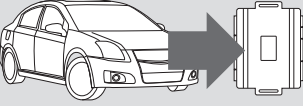


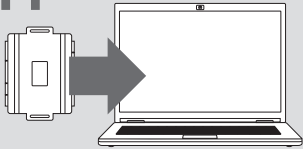

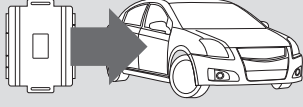
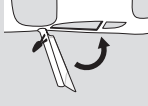
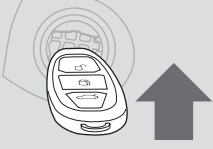
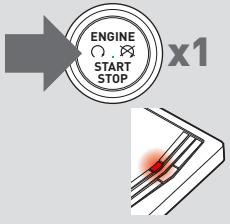
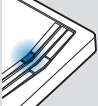


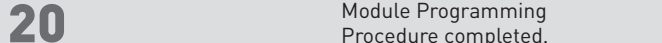
Slide cartridge into unit. Notice button under LED.

2

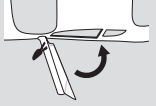
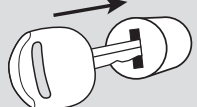
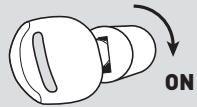
Ready for Module Programming Procedure.

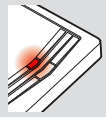

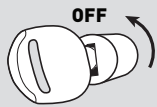
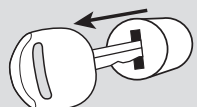
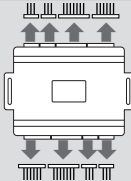
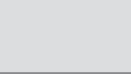
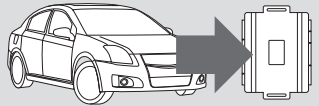

MODULE PROGRAMMING PROCEDURE - PTS


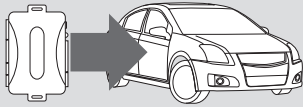

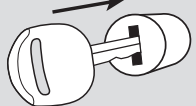
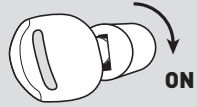
- 1**  Close all vehicle doors and trunk/hatch.
- 2**  Locate the key port on the steering wheel column. (Remove the key port cover if applicable.)
- 3**  Insert keyfob in keyport.
- 4**  Push start button once [1x] to ON position.
LED will turn solid RED.
- 5**  Wait, LED will flash BLUE rapidly. (This may take up to 15 seconds)
- 6**  Push start button once [1x] to OFF position.
- 7**  Remove keyfob from keyport.
- 8**  Disconnect all connectors from remote starter except the power connector.
- 9**  Disconnect the power connector.
- 10**  Remove remote starter from vehicle.

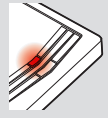
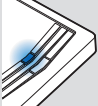
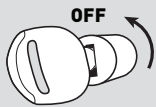
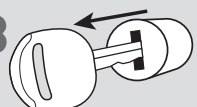
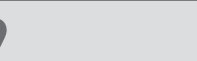
- 11**  Connect remote starter to computer.
- 12**  Proceed with extended programming.
- 13**  Connect remote starter to vehicle.
- 14**  Close all vehicle doors and trunk/hatch.
- 15**  Insert keyfob in keyport.
- 16**  Push start button once [1x] to ON position.
LED will turn solid RED.
- 17**  Wait, LED will turn solid BLUE for **2 seconds**. (This may take up to 15 seconds)
- 18**  Push start button once [1x] to OFF position.
- 19**  Remove keyfob from keyport.
- 20**  Module Programming Procedure completed.

MODULE PROGRAMMING PROCEDURE - STD KEY

- 1**  Close all vehicle doors and trunk/hatch.
- 2**  Insert key into ignition.
- 3**  Turn key to ON position.

 LED will turn solid RED.
- 4**  Wait, LED will flash BLUE rapidly. (This may take up to 15 seconds)
- 5**  Turn key to OFF position.
- 6**  Remove key.
- 7**  Disconnect all connectors from remote starter except the power connector.
- 8**  Disconnect the power connector.
- 9**  Remove remote starter from vehicle.
- 10**  Connect remote starter to computer.

- 11**  Proceed with extended programming.
- 12**  Connect module to vehicle.
- 13**  Close all vehicle doors and trunk/hatch.
- 14**  Insert key into ignition.
- 15**  Turn key to ON position.

 LED will turn solid RED.
- 16**  Wait, LED will turn solid BLUE for **2 seconds**. (This may take up to 15 seconds)
- 17**  Turn key to OFF position.
- 18**  Remove key.
- 19**  Module Programming Procedure completed.

IDENTIFY VEHICLE YEAR

1 Locate the Vehicle Identification Number (VIN), identify the 10th character then match it to its corresponding year.



A	1980	L	1990	Y	2000	A	2010	L	2020
B	1981	M	1991	1	2001	B	2011	M	2021
C	1982	N	1992	2	2002	C	2012	N	2022
D	1983	P	1993	3	2003	D	2013	P	2023
E	1984	R	1994	4	2004	E	2014	R	2024
F	1985	S	1995	5	2005	F	2015	S	2025
G	1986	T	1996	6	2006	G	2016	T	2026
H	1987	V	1997	7	2007	H	2017	V	2027
J	1988	W	1998	8	2008	J	2018	W	2028
K	1989	X	1999	9	2009	K	2019	X	2029

MODULE DIAGNOSTICS

LED STATUS	DIAGNOSTICS		
	DURING PROGRAMMING	DURING REMOTE START	WITH IGNITION OFF
Flashing RED	Missing/wrong information from firmware or vehicle	Incorrectly programmed	Incorrectly programmed or connected
Solid RED	Waiting for more vehicle information	Incorrectly programmed	Not programmed waiting for more vehicle information
Flashing BLUE	Additional steps required to complete programming	Correctly programmed and operational	False ground when running status from remote starter
Solid BLUE then OFF	Correctly programmed	Reset in progress	Reset in progress
OFF	No activity or already programmed	Invalid ground when running status from remote starter	At rest and ready for a remote start sequence

FACTORY RESET PROCEDURE

1 **DISCONNECT** cartridge from remote starter.

2 **PRESS AND HOLD** programming button while re-connecting cartridge to remote starter.

3 LED will flash red. Immediately **RELEASE** programming button.

4 LED will turn solid red for 2 seconds.

RESET COMPLETED.

5 **RECONNECT** all connectors. Repeat programming procedure.



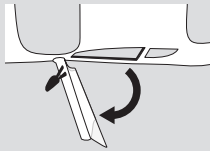
Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.

TAKE OVER PROCEDURE - PTS - TO THE VEHICLE OWNER

NOTE

- I All vehicle doors must be closed and locked prior to remote start sequence.

1



Unlock and open vehicle door.
Enter vehicle.



TIME RESTRICTION COMING UP !

2



TIME RESTRICTION

Within 45 SECONDS from previous step:
Press and release BRAKE pedal.

3

Take over procedure completed.



Failure to follow procedure within time restriction will result in vehicle engine shutdown.