

Automotive Data Solutions Inc.

INSTALL GUIDE

ADS-AL(DL)-SUB2-EN

SUB2

AVAILABLE FOR: ADS-AL CA

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U.S. PATENT NO. 8,856,780

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SCION

SUBARU

TOYOTA

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INSTALL TYPE SELECTION

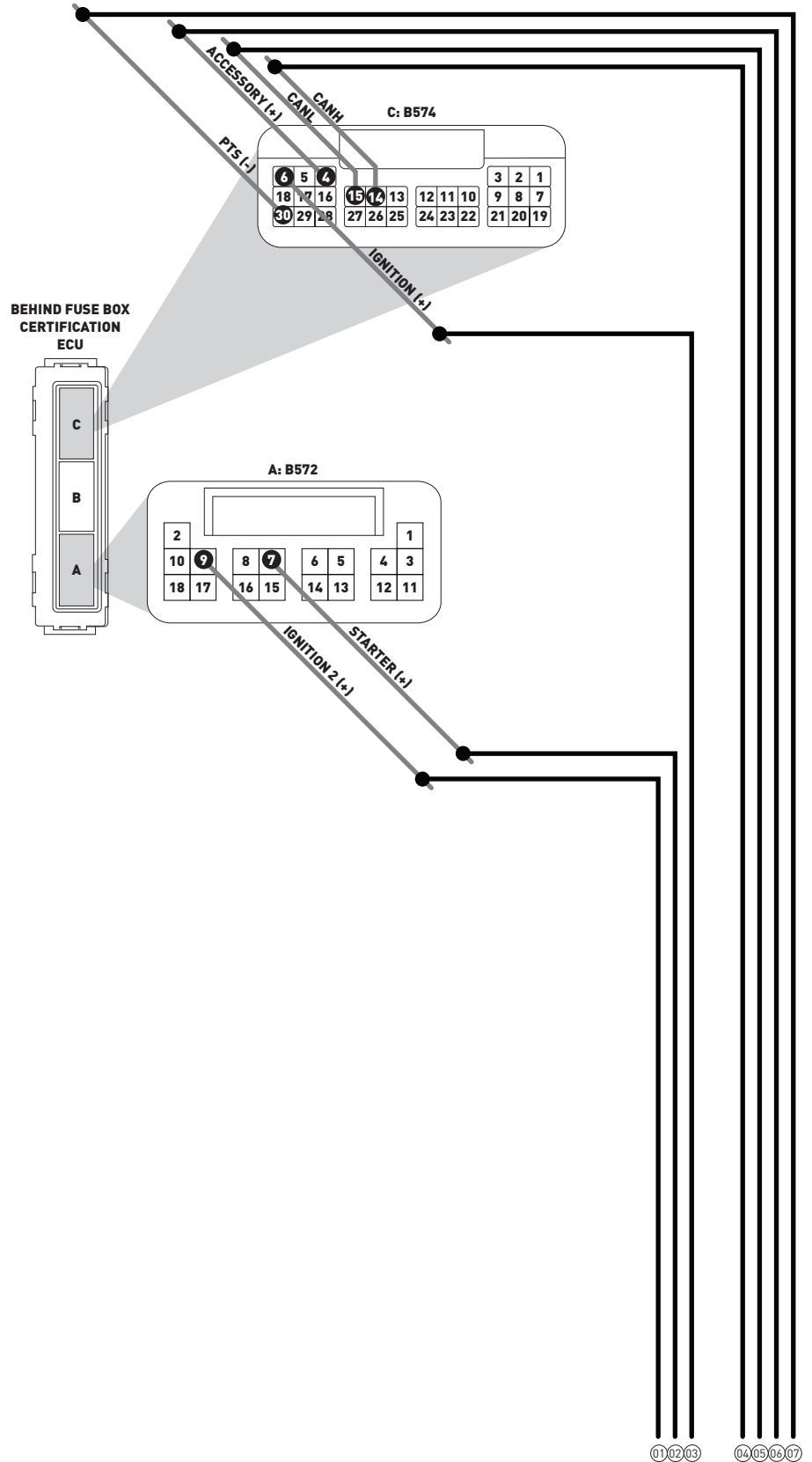
MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES																					
				DATA IMMOBILIZER BYPASS	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	TRUNK/HATCH RELEASE	A/M ALARM CTRL FROM OEM REMOTES	A/M ALARM CTRL FROM DOOR HANDLE	BRAKE PEDAL STATUS OUTPUT	E-BRAKE OUTPUT	DOOR STATUS	TRUNK STATUS MONITORING	PARK/NEUTRAL SWITCH STATUS	VSS STATUS	TACHOMETER STATUS	SECURE TAKEOVER	AUTOMATED TAKE OVER	RAP SHUTDOWN CTRL	A/M RS FROM OEM REMOTES	DATA PARKING LIGHT CTRL	POWER LIFTGATE	
SCION	FR-S PTS AT ¹	13-16	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	FR-S PTS MT ¹	13-16	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SUBARU	BRZ PTS AT ¹	13-18	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	BRZ PTS MT ¹	13-18	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Forester 2.5i PTS AT	14-16	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Forester 2.5i PTS AT	17-18	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Forester XT PTS AT	14-18	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Impreza PTS AT	15-16	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Legacy PTS AT	15-16	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Legacy PTS AT ¹	17	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Legacy PTS AT ¹	18	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Outback PTS AT	15-16	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Outback PTS AT ¹	17	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Outback PTS AT ¹	18	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	STi PTS MT	15-18	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	WRX PTS AT	15-18	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	WRX PTS AT	19	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	WRX PTS MT	15-18	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	WRX PTS MT	19	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	XV Crosstrek PTS AT	14-17	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	XV Crosstrek Hybrid PTS AT	14-17	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	TOYOTA	86 PTS AT ¹	17-18	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
86 PTS MT ¹		17-18	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

¹OEM fob and door handles will not function during runtime

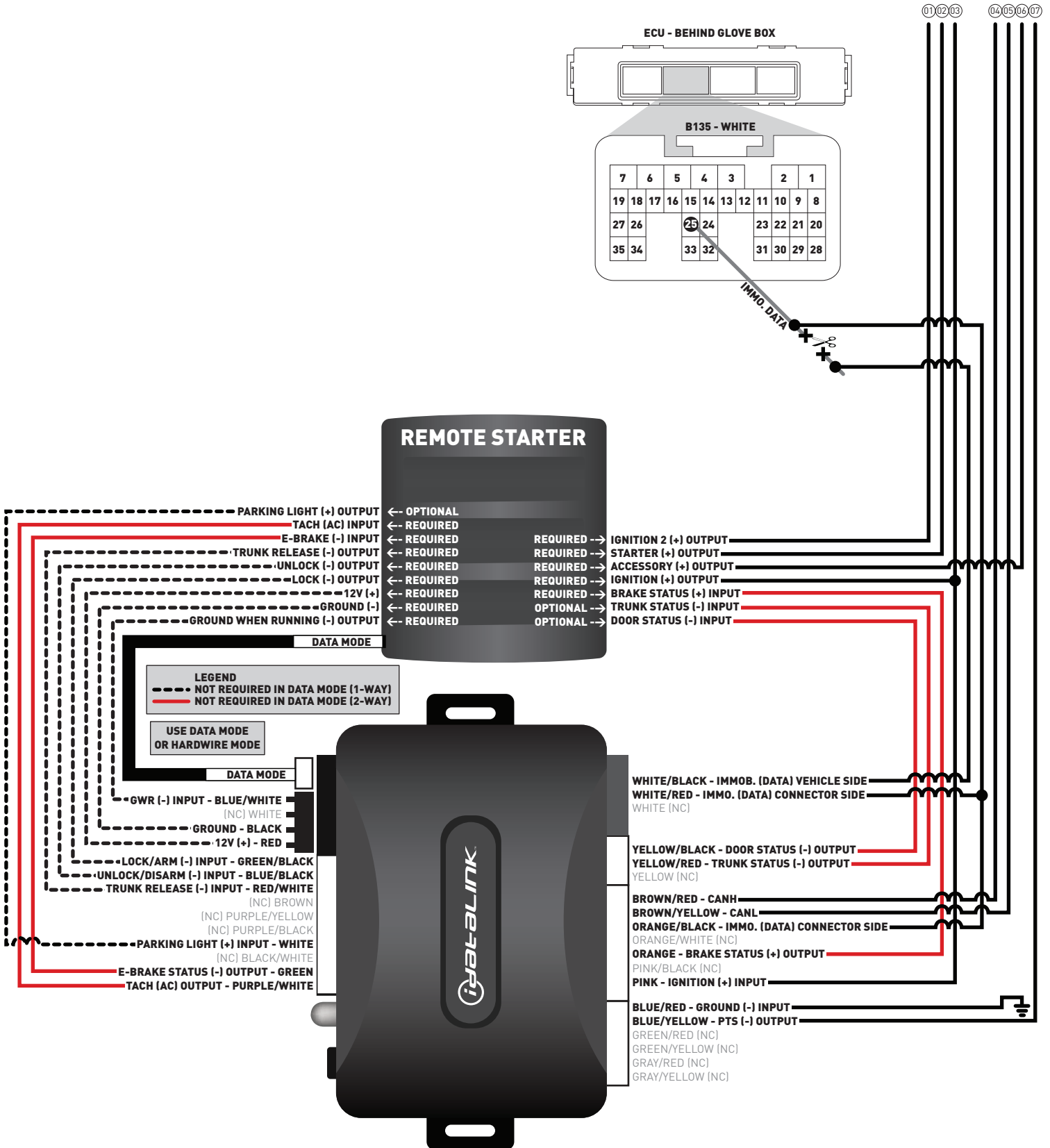
TYPE 1 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
SUBARU	Forester 2.5i PTS AT	14-16	Accessory	C: B574	White	30 pin	04	Purple	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	White or Tan	(+)	Certification ECU behind fuse box	~
			Immo. Data	B135	White	35 pin	25	White/Blue	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Blue or Green	(-)	Certification ECU behind fuse box	~
			Starter	A: B572	White	18 pin	07	Pink or Brown	(+)	Certification ECU behind fuse box	~
	Impreza PTS AT	15-16	Accessory	C: B574	White	30 pin	04	Blue	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	Blue	(DATA)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	LtBlue	(+)	Certification ECU behind fuse box	~
			Immo. Data	B135	White	35 pin	25	Red/Yellow or Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Black	(-)	Certification ECU behind fuse box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind fuse box	~
	XV Crosstrek PTS AT	14-17	Accessory	C: B574	White	30 pin	04	Blue	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	Blue	(DATA)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	LtBlue	(+)	Certification ECU behind fuse box	~
			Immo. Data	B135	White	35 pin	25	Red/Yellow or Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Black	(-)	Certification ECU behind fuse box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind fuse box	~
	XV Crosstrek Hybrid PTS AT	14-17	Accessory	C: B574	White	30 pin	04	Blue	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	Blue	(DATA)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
Ignition 2			A: B572	White	18 pin	09	LtBlue	(+)	Certification ECU behind fuse box	~	
Immo. Data			B135	White	35 pin	25	Red/Yellow or Yellow	(DATA)	ECU behind glove box	~	
PTS			C: B574	White	30 pin	30	Black	(-)	Certification ECU behind fuse box	~	
Starter			A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind fuse box	~	

TYPE 1 - WIRING DIAGRAM - 1 OF 2



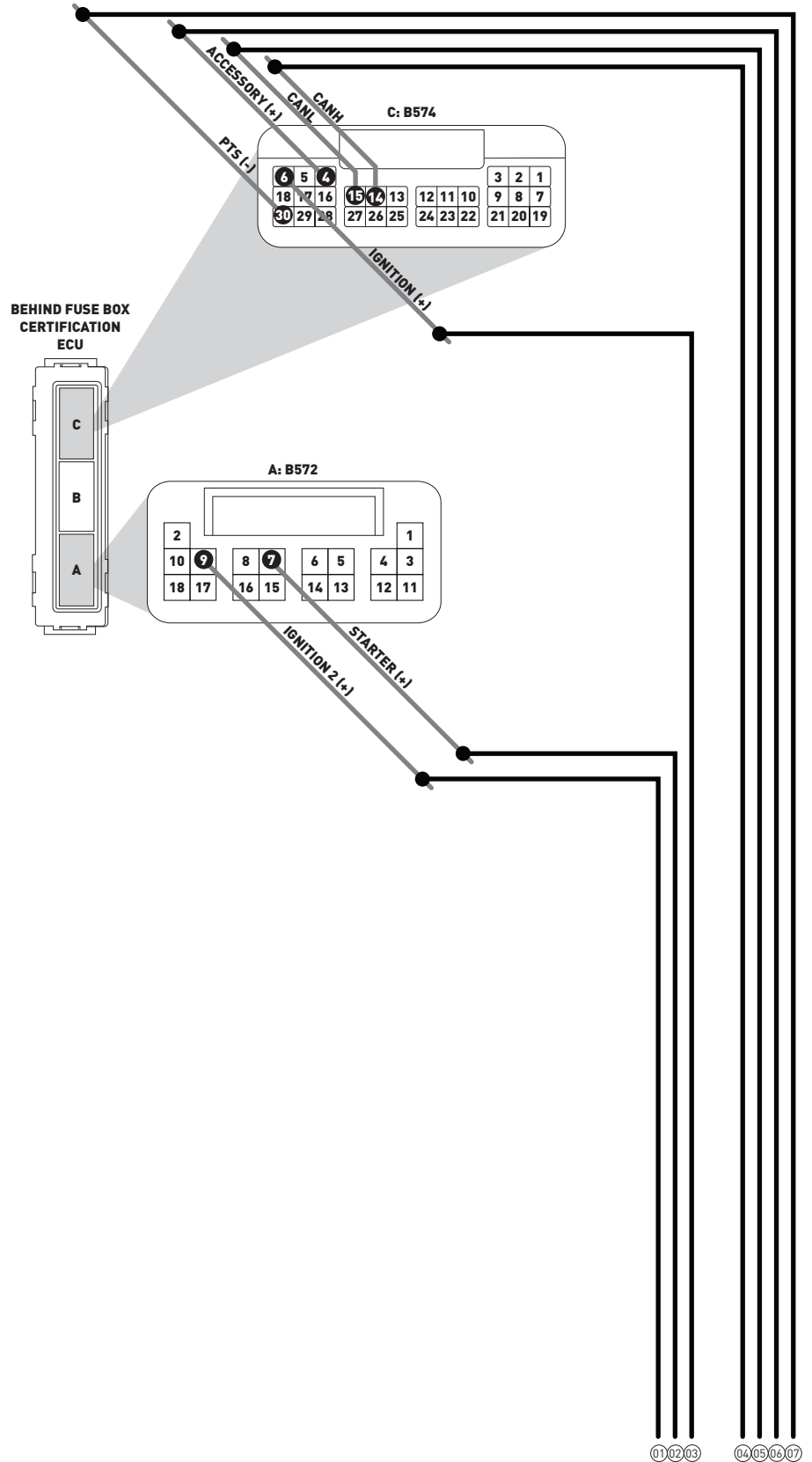
TYPE 1 - WIRING DIAGRAM - 2 OF 2



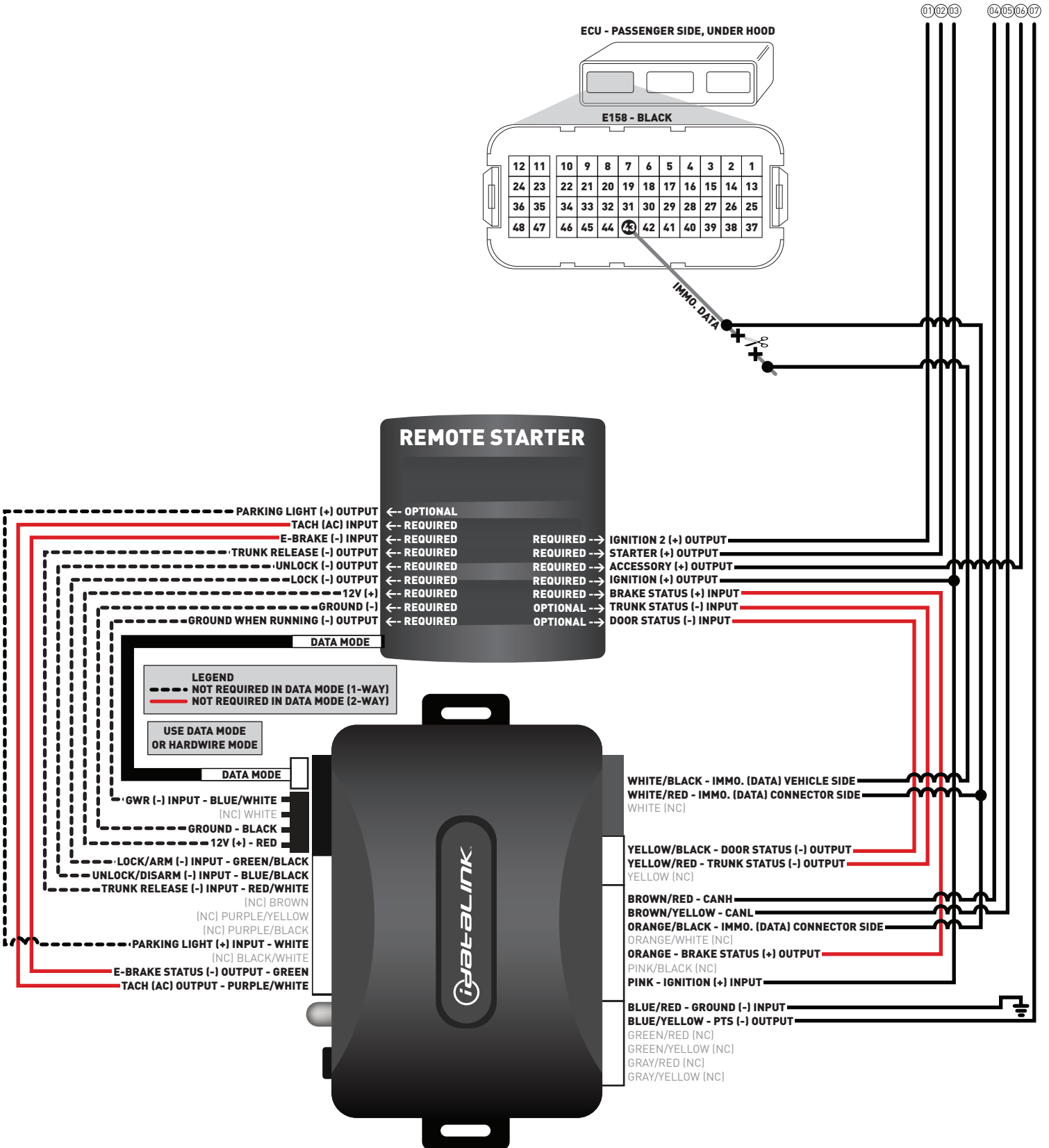
TYPE 2 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
SUBARU	Forester XT PTS AT	14-18	Accessory	C: B574	White	30 pin	04	Purple	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	White or Tan	(+)	Certification ECU behind fuse box	~
			Immo. Data	E158	Black	48 pin	43	Green/Black	(DATA)	ECU passenger side under hood	~
			PTS	C: B574	White	30 pin	30	Blue or Green	(-)	Certification ECU behind fuse box	~
			Starter	A: B572	White	18 pin	07	Pink or Brown	(+)	Certification ECU behind fuse box	~
	WRX PTS AT	15-18	Accessory	C: B574	White	30 pin	04	Blue	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	LtBlue	(DATA)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	LtBlue	(+)	Certification ECU behind fuse box	~
			Immo. Data	E158	Black	48 pin	43	Green/Black	(DATA)	ECU passenger side under hood	~
PTS	C: B574	White	30 pin	30	Black	(-)	Certification ECU behind fuse box	~			
Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind fuse box	~			

TYPE 2 - WIRING DIAGRAM - 1 OF 2



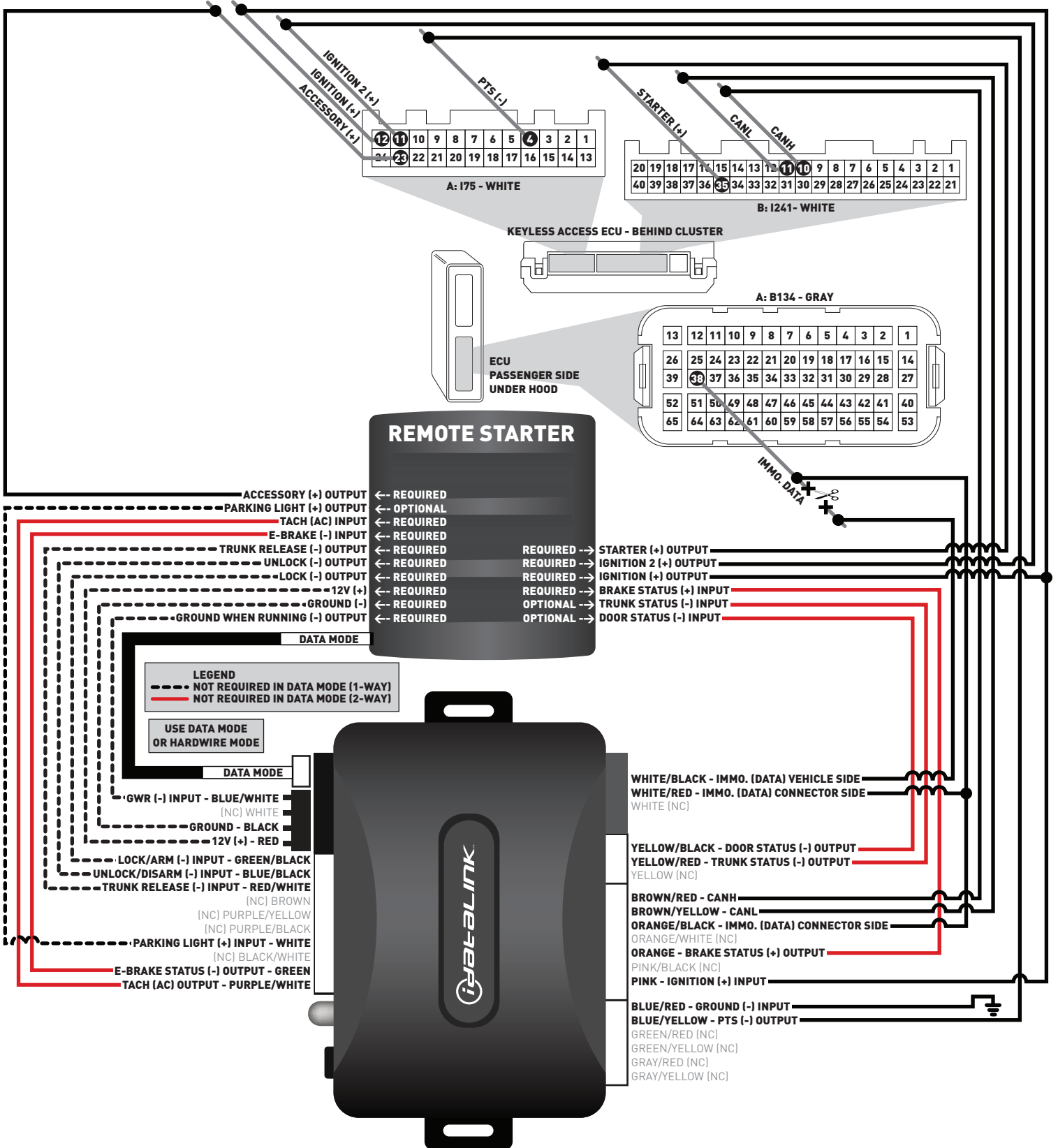
TYPE 2 - WIRING DIAGRAM - 2 OF 2



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
SUBARU	Legacy PTS AT	15-17	Accessory	A: I75	White	24 pin	23	Green	(+)	Keyless access module behind cluster	~
			CanH	B: I241	White	40 pin	10	Red	(DATA)	Keyless access module behind cluster	~
			CanL	B: I241	White	40 pin	11	Blue	(DATA)	Keyless access module behind cluster	~
			Ignition	A: I75	White	24 pin	12	Gray/Red	(+)	Keyless access module behind cluster	~
			Ignition 2	A: I75	White	24 pin	11	LtBlue/Red	(+)	Keyless access module behind cluster	~
			Immo. Data	A: B134	Black	65 pin	38	Red/White	(DATA)	Lower plug on ECU passenger side under hood	~
			PTS	A: I75	White	24 pin	04	Red	(-)	Keyless access module behind cluster	~
	Starter	B: I241	White	40 pin	35	White/Green	(+)	Keyless access module behind cluster	~		
	Outback PTS AT	15-17	Accessory	A: I75	White	24 pin	23	Green	(+)	Keyless access module behind cluster	~
			CanH	B: I241	White	40 pin	10	Red	(DATA)	Keyless access module behind cluster	~
			CanL	B: I241	White	40 pin	11	Blue	(DATA)	Keyless access module behind cluster	~
			Ignition	A: I75	White	24 pin	12	Gray/Red	(+)	Keyless access module behind cluster	~
			Ignition 2	A: I75	White	24 pin	11	LtBlue/Red	(+)	Keyless access module behind cluster	~
			Immo. Data	A: B134	Black	65 pin	38	Red/White	(DATA)	Lower plug on ECU passenger side under hood	~
PTS			A: I75	White	24 pin	04	Red	(-)	Keyless access module behind cluster	~	
Starter	B: I241	White	40 pin	35	White/Green	(+)	Keyless access module behind cluster	~			

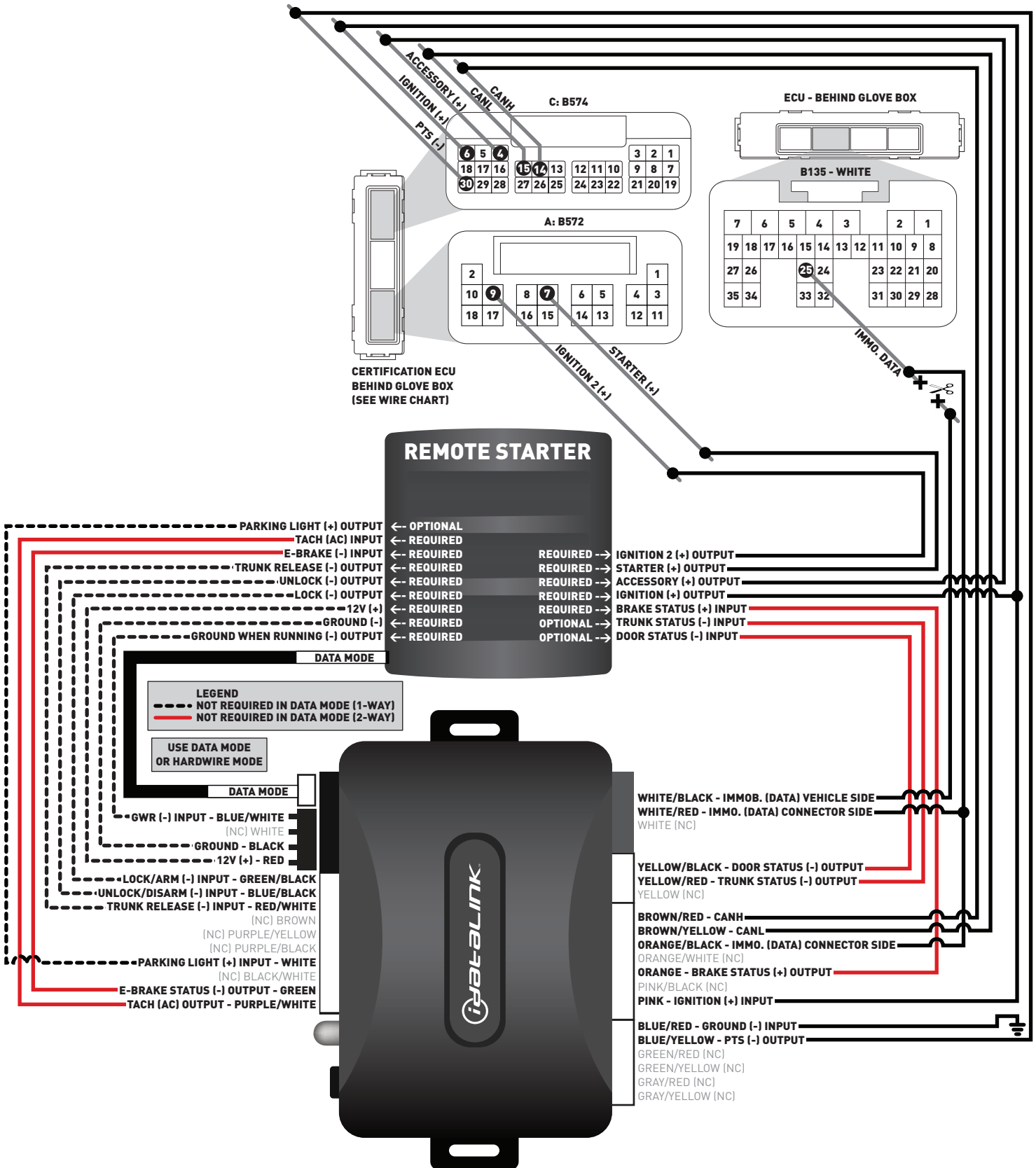
TYPE 3 - WIRING DIAGRAM - 1 OF 1



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
SCION	FR-S PTS AT	13-16	Accessory	C: B574	White	30 pin	04	LtBlue	(+)	Certification ECU behind glove box	~
			CanH	C: B574	White	30 pin	14	Green	(DATA)	Certification ECU behind glove box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind glove box	~
			Ignition	C: B574	White	30 pin	06	White	(+)	Certification ECU behind glove box	~
			Ignition 2	A: B572	White	18 pin	09	Purple	(+)	Certification ECU behind glove box	~
			Immo. Data	B135	White	35 pin	25	Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Tan	(-)	Certification ECU behind glove box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind glove box	~
SUBARU	BRZ PTS AT	13-18	Accessory	C: B574	White	30 pin	04	LtBlue	(+)	Certification ECU behind glove box	~
			CanH	C: B574	White	30 pin	14	Green	(DATA)	Certification ECU behind glove box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind glove box	~
			Ignition	C: B574	White	30 pin	06	White	(+)	Certification ECU behind glove box	~
			Ignition 2	A: B572	White	18 pin	09	Purple	(+)	Certification ECU behind glove box	~
			Immo. Data	B135	White	35 pin	25	Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Tan	(-)	Certification ECU behind glove box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind glove box	~
TOYOTA	86 PTS AT	17-18	Accessory	C: B574	White	30 pin	04	LtBlue	(+)	Certification ECU behind glove box	~
			CanH	C: B574	White	30 pin	14	Green	(DATA)	Certification ECU behind glove box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind glove box	~
			Ignition	C: B574	White	30 pin	06	White	(+)	Certification ECU behind glove box	~
			Ignition 2	A: B572	White	18 pin	09	Purple	(+)	Certification ECU behind glove box	~
			Immo. Data	B135	White	35 pin	25	Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Tan	(-)	Certification ECU behind glove box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind glove box	~

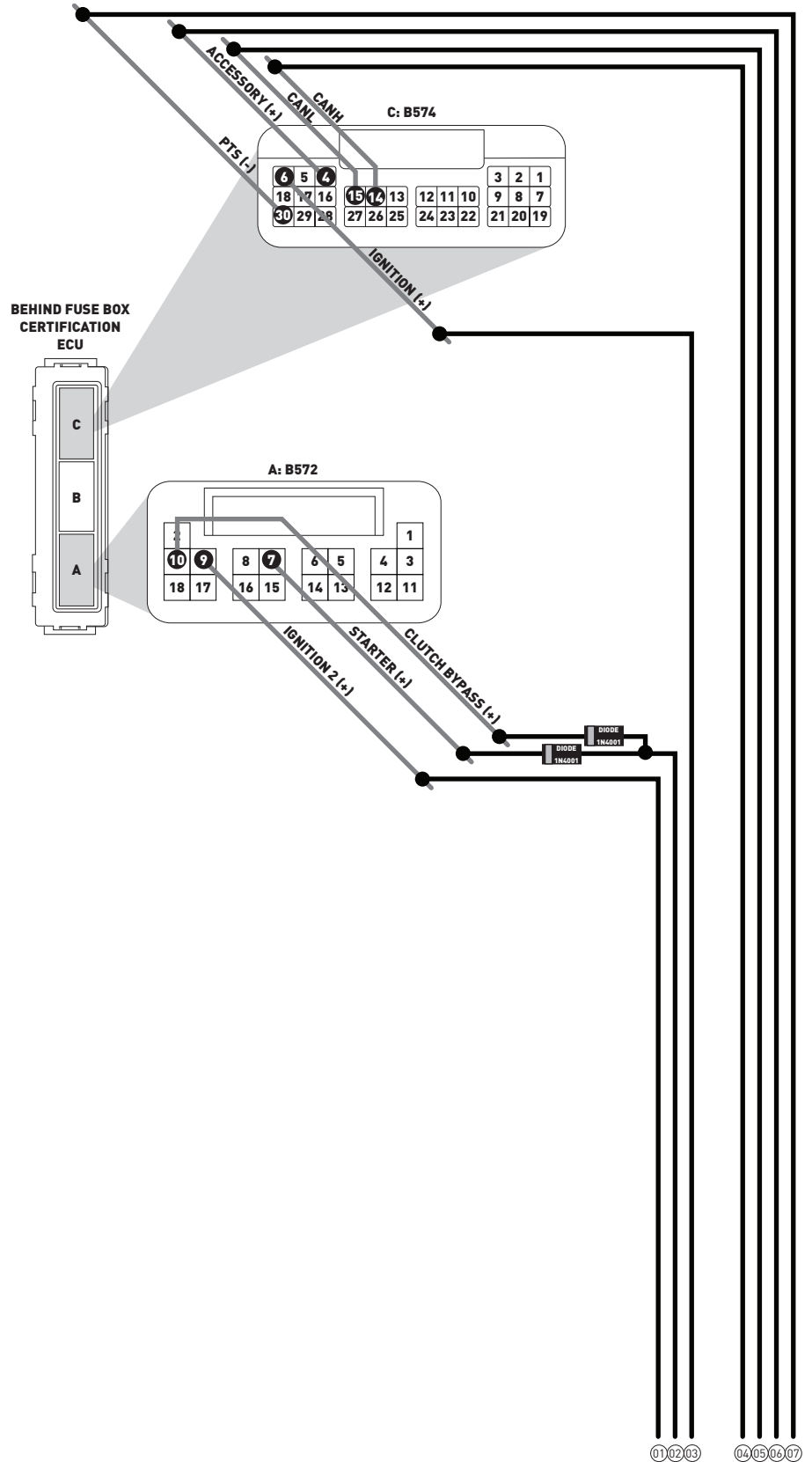
TYPE 4 - WIRING DIAGRAM - 1 OF 1



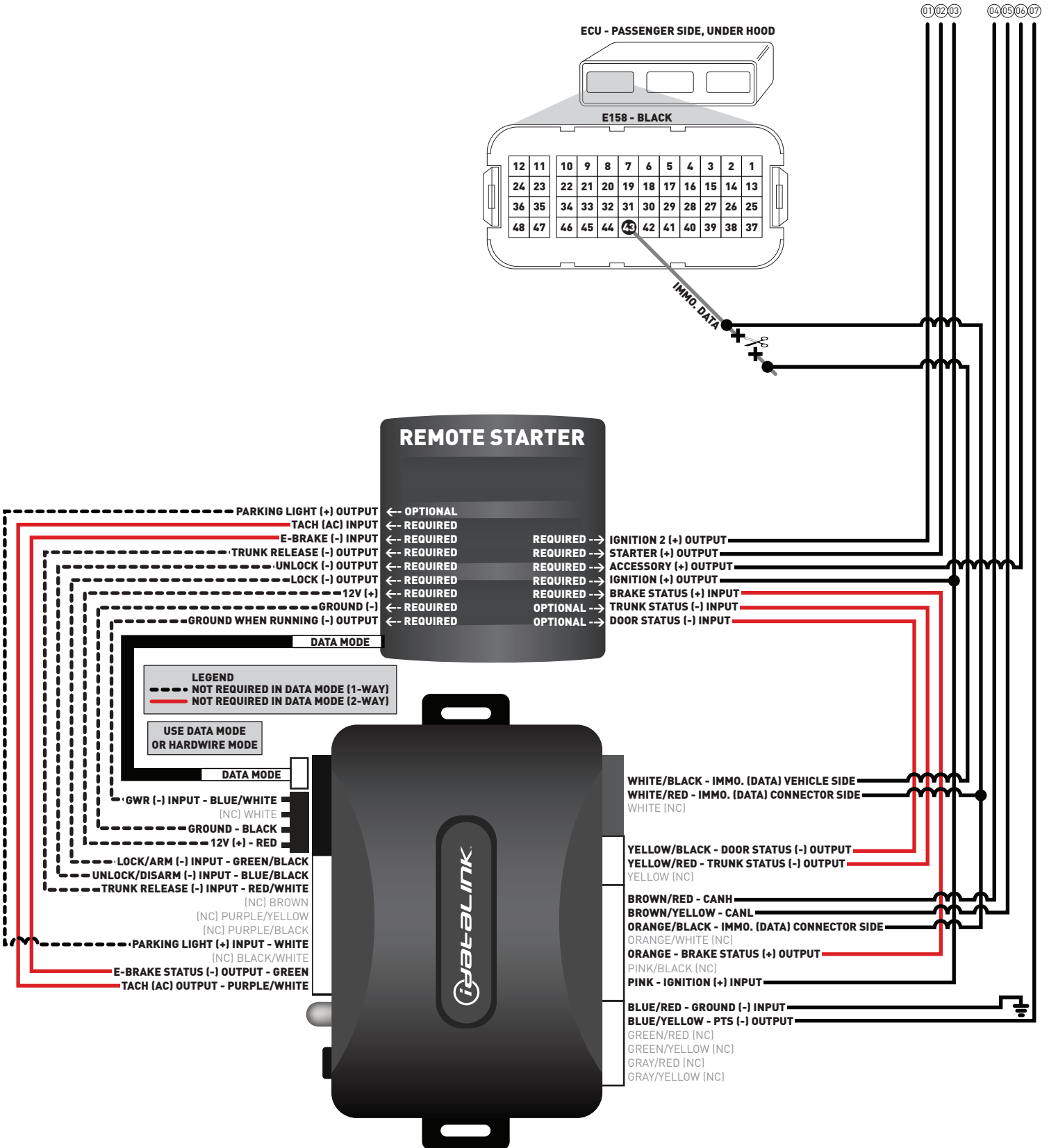
TYPE 5 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
SUBARU	WRX PTS MT	15-18	Accessory	C: B574	White	30 pin	04	Blue	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	LtBlue	(DATA)	Certification ECU behind fuse box	~
			Clutch bypass	A: B572	White	18 pin	10	Gray	(+)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	LtBlue	(+)	Certification ECU behind fuse box	~
			Immo. Data	E158	Black	48 pin	43	Green/Black	(DATA)	ECU passenger side under hood	~
			PTS	C: B574	White	30 pin	30	Black	(-)	Certification ECU behind fuse box	~
Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind fuse box	~			

TYPE 5 - WIRING DIAGRAM - 1 OF 2



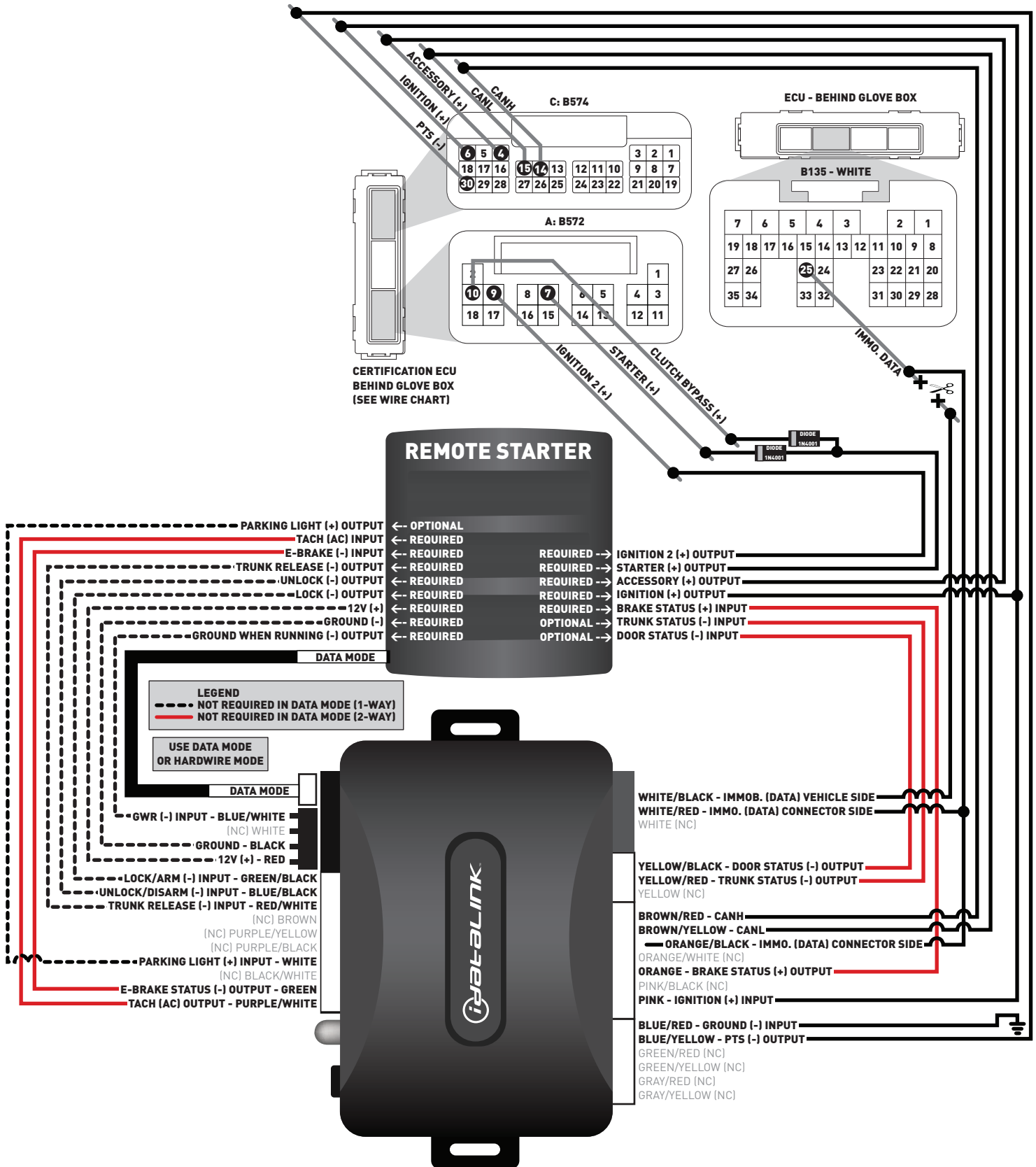
TYPE 5 - WIRING DIAGRAM - 2 OF 2



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
SCION	FR-S PTS MT	13-16	Accessory	C: B574	White	30 pin	04	LtBlue	(+)	Certification ECU behind glove box	~
			CanH	C: B574	White	30 pin	14	Green	(DATA)	Certification ECU behind glove box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind glove box	~
			Clutch bypass	A: B572	White	18 pin	10	Yellow	(+)	Certification ECU behind glove box	~
			Ignition	C: B574	White	30 pin	06	White	(+)	Certification ECU behind glove box	~
			Ignition 2	A: B572	White	18 pin	09	Purple	(+)	Certification ECU behind glove box	~
			Immo. Data	B135	White	35 pin	25	Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Tan	(-)	Certification ECU behind glove box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind glove box	~
SUBARU	BRZ PTS MT	13-18	Accessory	C: B574	White	30 pin	04	LtBlue	(+)	Certification ECU behind glove box	~
			CanH	C: B574	White	30 pin	14	Green	(DATA)	Certification ECU behind glove box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind glove box	~
			Clutch bypass	A: B572	White	18 pin	10	Yellow	(+)	Certification ECU behind glove box	~
			Ignition	C: B574	White	30 pin	06	White	(+)	Certification ECU behind glove box	~
			Ignition 2	A: B572	White	18 pin	09	Purple	(+)	Certification ECU behind glove box	~
			Immo. Data	B135	White	35 pin	25	Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Tan	(-)	Certification ECU behind glove box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind glove box	~
TOYOTA	86 PTS MT	17-18	Accessory	C: B574	White	30 pin	04	LtBlue	(+)	Certification ECU behind glove box	~
			CanH	C: B574	White	30 pin	14	Green	(DATA)	Certification ECU behind glove box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind glove box	~
			Clutch bypass	A: B572	White	18 pin	10	Yellow	(+)	Certification ECU behind glove box	~
			Ignition	C: B574	White	30 pin	06	White	(+)	Certification ECU behind glove box	~
			Ignition 2	A: B572	White	18 pin	09	Purple	(+)	Certification ECU behind glove box	~
			Immo. Data	B135	White	35 pin	25	Yellow	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Tan	(-)	Certification ECU behind glove box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind glove box	~

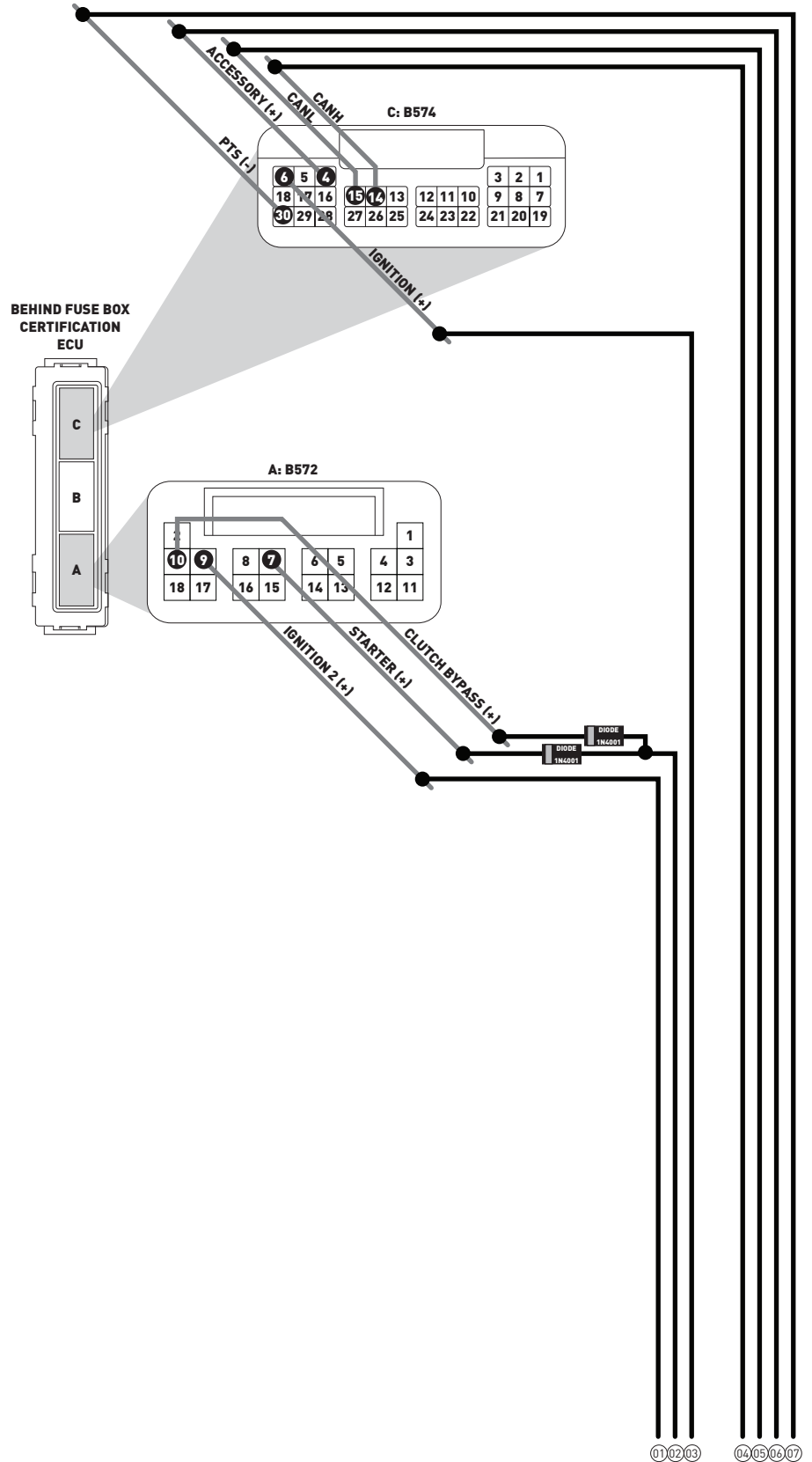
TYPE 6 - WIRING DIAGRAM - 1 OF 1



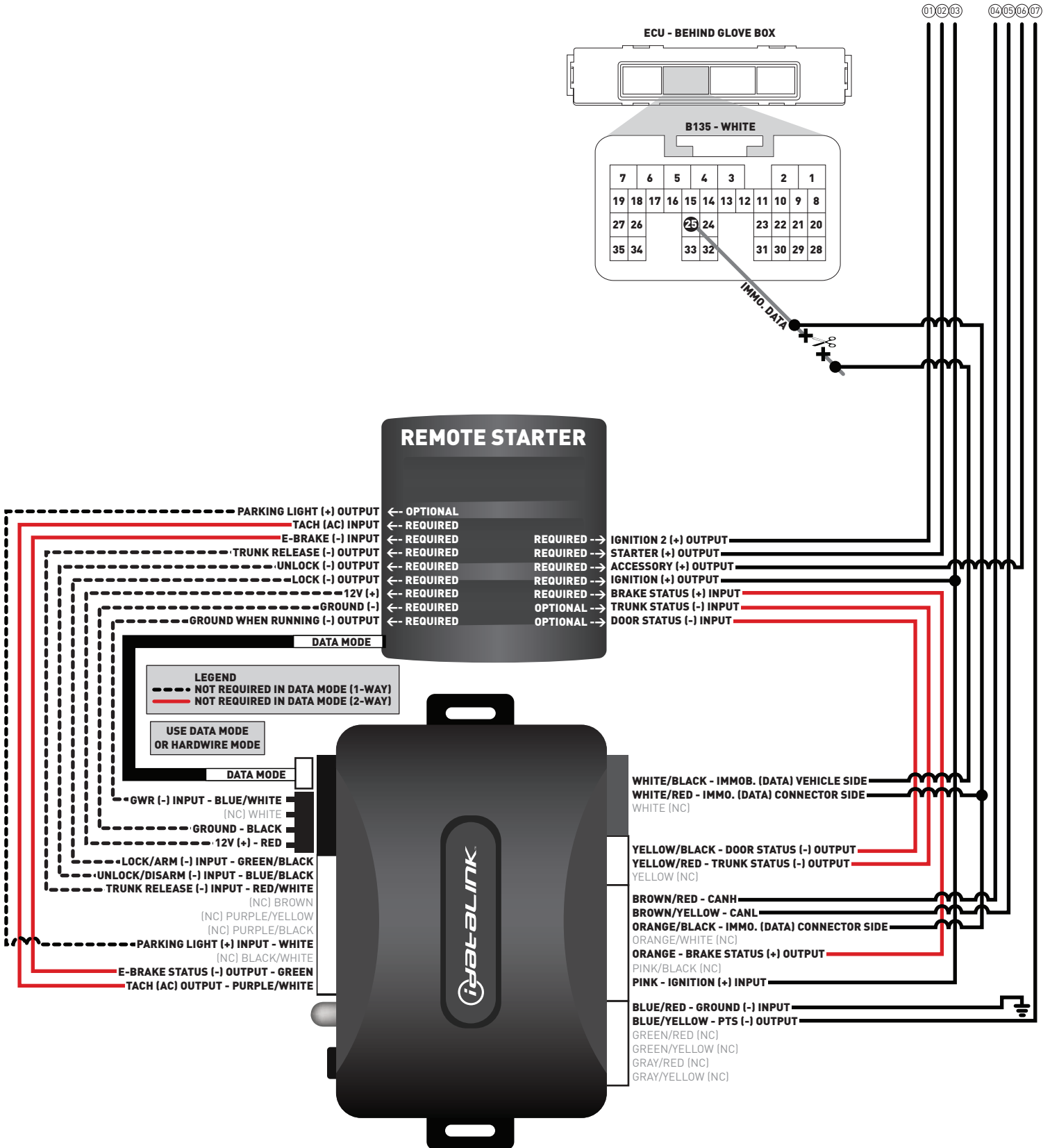
TYPE 7 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
SUBARU	STi PTS MT	15-18	Accessory	C: B574	White	30 pin	04	Blue	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	LtBlue	(DATA)	Certification ECU behind fuse box	~
			Clutch bypass	A: B572	White	18 pin	10	Gray	(+)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	LtBlue	(+)	Certification ECU behind fuse box	~
			Immo. Data	B135	White	35 pin	25	Red/White	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Black	(-)	Certification ECU behind fuse box	~
			Starter	A: B572	White	18 pin	07	Pink	(+)	Certification ECU behind fuse box	~

TYPE 7 - WIRING DIAGRAM - 1 OF 2



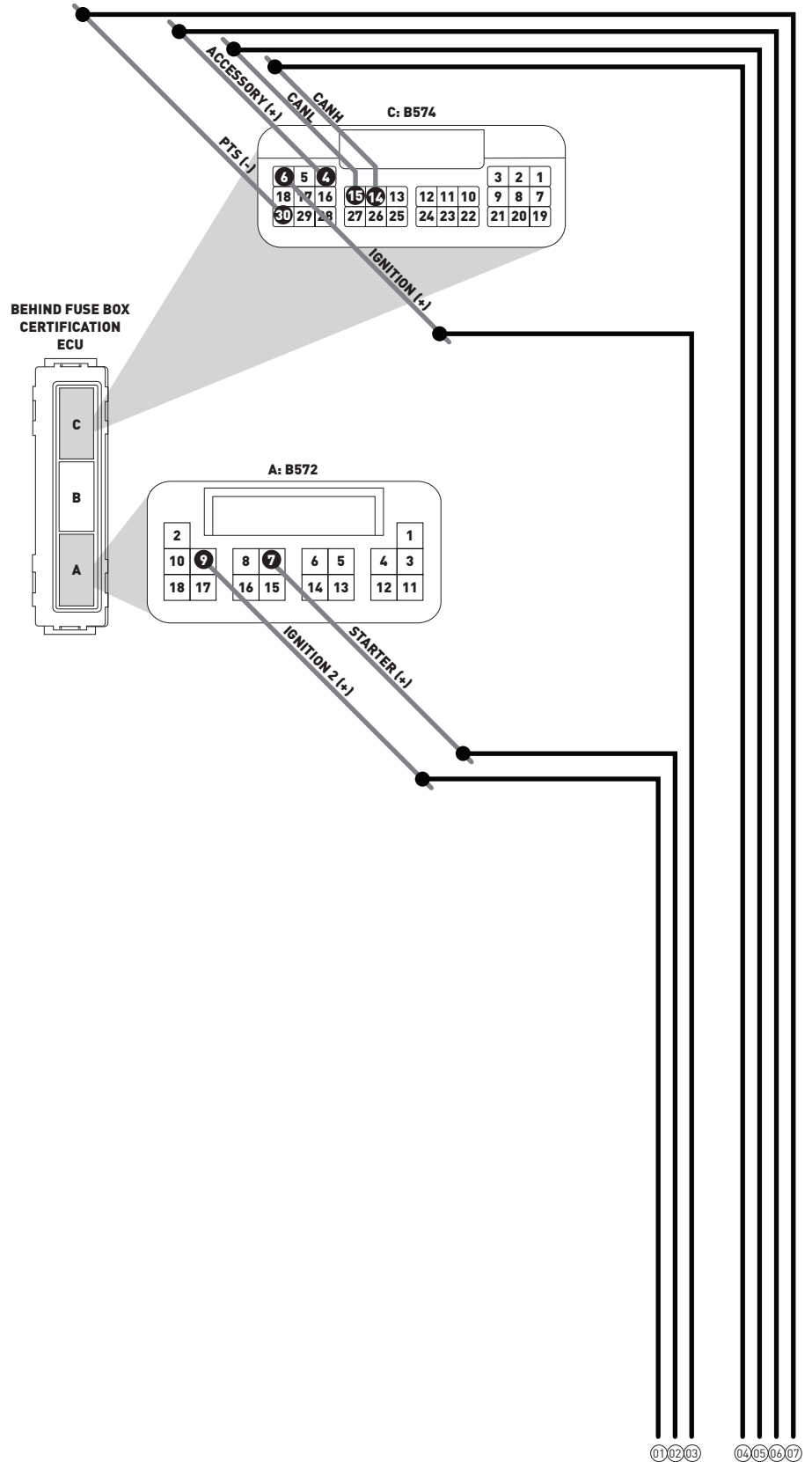
TYPE 7 - WIRING DIAGRAM - 2 OF 2



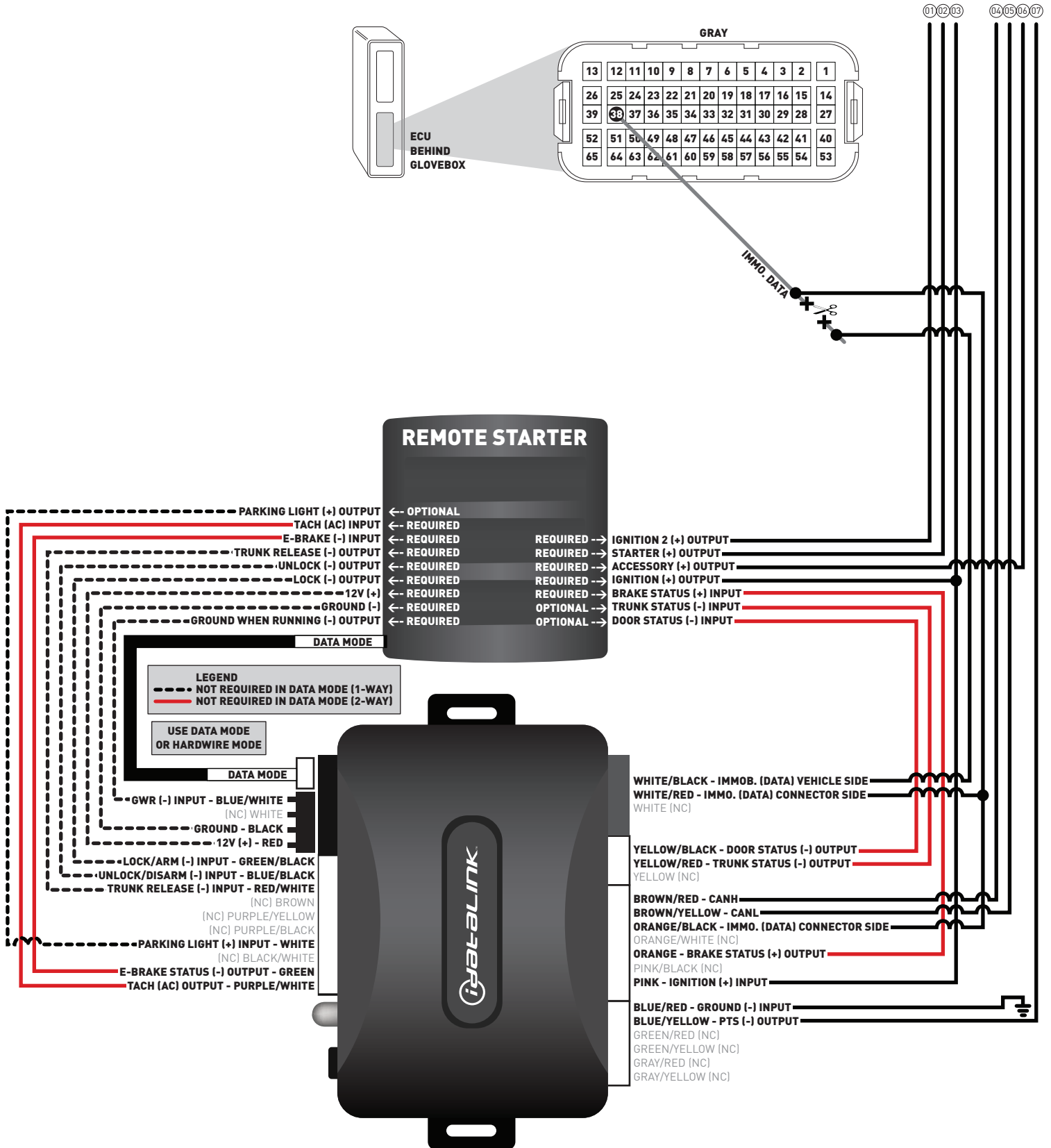
TYPE 8 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
SUBARU	Forester 2.5i PTS AT	17-18	Accessory	C: B574	White	30 pin	04	Purple	(+)	Certification ECU behind fuse box	~
			CanH	C: B574	White	30 pin	14	White	(DATA)	Certification ECU behind fuse box	~
			CanL	C: B574	White	30 pin	15	Red	(DATA)	Certification ECU behind fuse box	~
			Ignition	C: B574	White	30 pin	06	Purple	(+)	Certification ECU behind fuse box	~
			Ignition 2	A: B572	White	18 pin	09	White or Tan	(+)	Certification ECU behind fuse box	~
			Immo. Data	~	Gray	65 pin	38	White/Blue	(DATA)	ECU behind glove box	~
			PTS	C: B574	White	30 pin	30	Blue or Green	(-)	Certification ECU behind fuse box	~
			Starter	A: B572	White	18 pin	07	Pink or Brown	(+)	Certification ECU behind fuse box	~

TYPE 8 - WIRING DIAGRAM - 1 OF 2



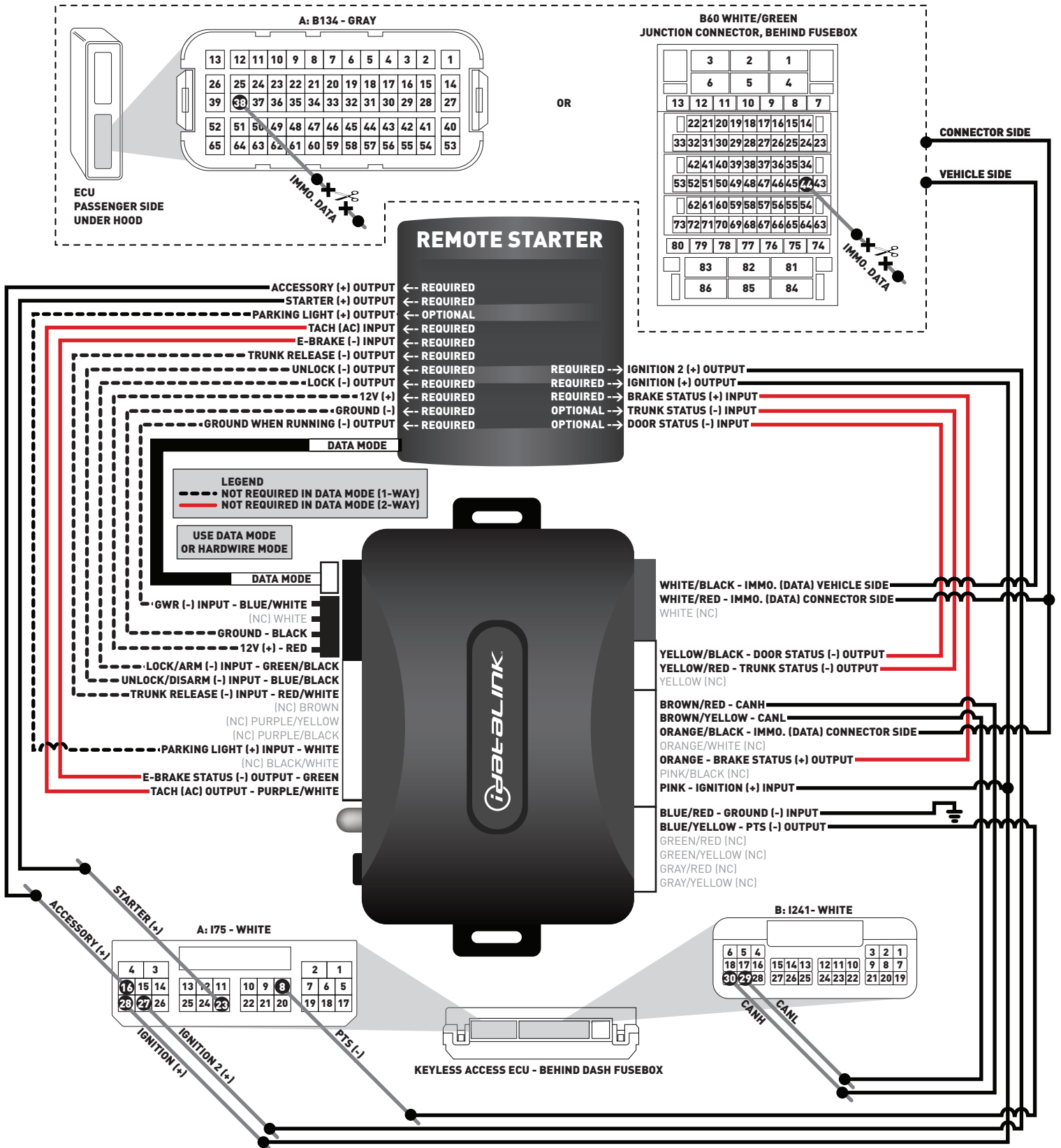
TYPE 8 - WIRING DIAGRAM - 2 OF 2



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
SUBARU	Legacy PTS AT	18	Accessory	A: I75	White	28 pin	16	Green	(+)	Keyless access module behind dash fusebox	~
			CanH	B: I241	White	30 pin	30	Red	(DATA)	Keyless access module behind dash fusebox	~
			CanL	B: I241	White	30 pin	29	Blue	(DATA)	Keyless access module behind dash fusebox	~
			Ignition	A: I75	White	28 pin	28	Gray	(+)	Keyless access module behind dash fusebox	~
			Ignition 2	A: I75	White	28 pin	27	Blue	(+)	Keyless access module behind dash fusebox	~
			Immo. Data	A: B60	White/Green	86 pin	44	Red/White	(DATA)	Junction connector behind dash fusebox	~
			Immo. Data (alternate location)	~	~	65 pin	38	Red/White	(DATA)	ECU passenger side under hood	~
			PTS	A: I75	White	28 pin	08	Red	(-)	Keyless access module behind dash fusebox	~
	Starter	A: I75	White	28 pin	23	White	(+)	Keyless access module behind dash fusebox	~		
	Outback PTS AT	18	Accessory	A: I75	White	28 pin	16	Green	(+)	Keyless access module behind dash fusebox	~
			CanH	B: I241	White	30 pin	30	Red	(DATA)	Keyless access module behind dash fusebox	~
			CanL	B: I241	White	30 pin	29	Blue	(DATA)	Keyless access module behind dash fusebox	~
			Ignition	A: I75	White	28 pin	28	Gray	(+)	Keyless access module behind dash fusebox	~
			Ignition 2	A: I75	White	28 pin	27	Blue	(+)	Keyless access module behind dash fusebox	~
			Immo. Data	A: B60	White/Green	86 pin	44	Red/White	(DATA)	Junction connector behind dash fusebox	~
			Immo. Data (alternate location)	~	~	65 pin	38	Red/White	(DATA)	ECU passenger side under hood	~
PTS			A: I75	White	28 pin	08	Red	(-)	Keyless access module behind dash fusebox	~	
Starter	A: I75	White	28 pin	23	White	(+)	Keyless access module behind dash fusebox	~			

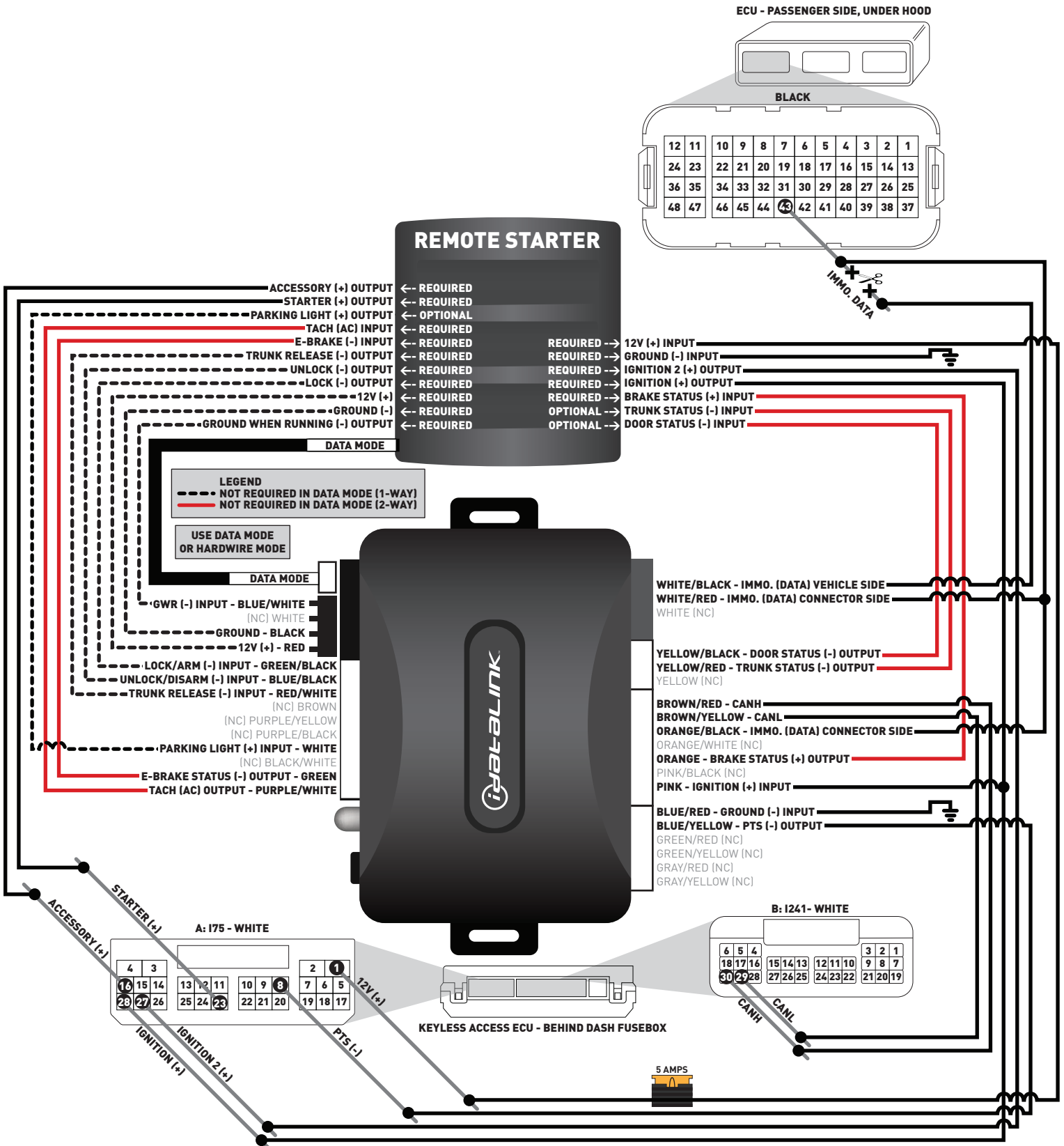
TYPE 9 - WIRING DIAGRAM - 1 OF 1



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
SUBARU	WRX PTS AT	19	Accessory	A: I75	White	28 pin	16	Blue	(+)	Keyless access module behind dash fusebox	~
			CanH	B: I241	White	30 pin	30	White	(DATA)	Keyless access module behind dash fusebox	~
			CanL	B: I241	White	30 pin	29	Blue	(DATA)	Keyless access module behind dash fusebox	~
			Ignition	A: I75	White	28 pin	28	Purple	(+)	Keyless access module behind dash fusebox	~
			Ignition 2	A: I75	White	28 pin	27	Blue	(+)	Keyless access module behind dash fusebox	~
			Immo. Data	~	Black	48 pin	43	Green/Black	(DATA)	ECU passenger side under hood	~
			PTS	A: I75	White	28 pin	08	Orange	(-)	Keyless access module behind dash fusebox	~
			Starter	A: I75	White	28 pin	23	Pink	(+)	Keyless access module behind dash fusebox	~
			12V	A: I75	White	28 pin	01	White	(+)	Keyless access module behind dash fusebox	~

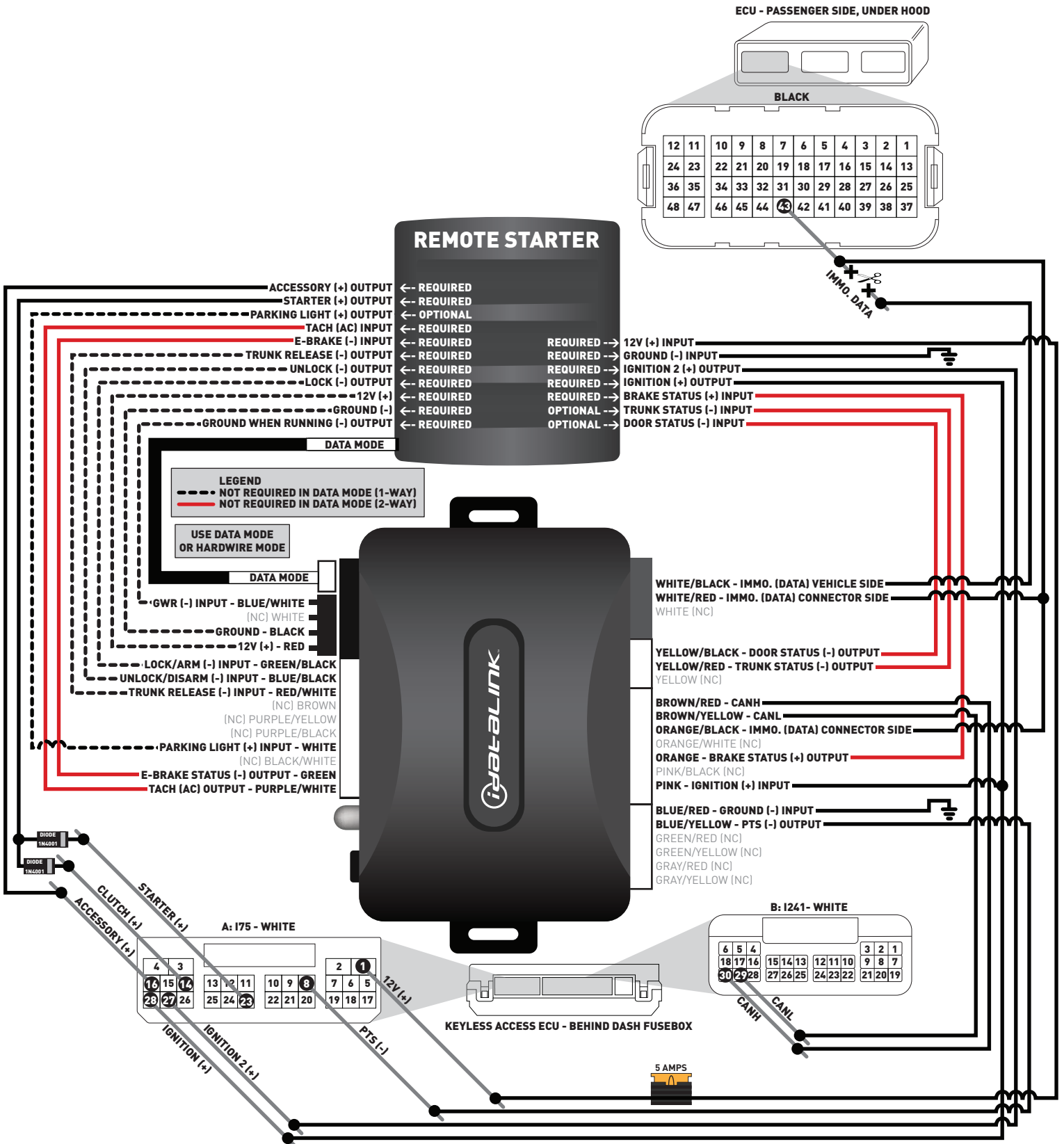
TYPE 10 - WIRING DIAGRAM - 1 OF 1



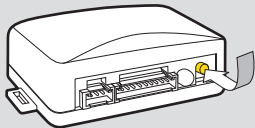
TYPE 11 - WIRE CROSS REFERENCE CHART - 1 OF 1



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
SUBARU	WRX PTS MT	19	Accessory	A: I75	White	28 pin	16	Blue	(+)	Keyless access module behind dash fusebox	~
			CanH	B: I241	White	30 pin	30	White	(DATA)	Keyless access module behind dash fusebox	~
			CanL	B: I241	White	30 pin	29	Blue	(DATA)	Keyless access module behind dash fusebox	~
			Ignition	A: I75	White	28 pin	28	Purple	(+)	Keyless access module behind dash fusebox	~
			Ignition 2	A: I75	White	28 pin	27	Blue	(+)	Keyless access module behind dash fusebox	~
			Immo. Data	~	Black	48 pin	43	Green/Black	(DATA)	ECU passenger side under hood	~
			PTS	A: I75	White	28 pin	08	Orange	(-)	Keyless access module behind dash fusebox	~
			Starter	A: I75	White	28 pin	23	Pink	(+)	Keyless access module behind dash fusebox	~
			12V	A: I75	White	28 pin	01	White	(+)	Keyless access module behind dash fusebox	~
			Clutch	A: I75	White	28 pin	14	Gray	(+)	Keyless access module behind dash fusebox	~

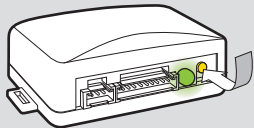
TYPE 11 - WIRING DIAGRAM - 1 OF 1




INSTALLATION MODE SELECTION

1  Press and release programming button to select installation mode.

 LED flashes (1X) once = DATA MODE
 LED flashes (2X) twice = STANDARD HARDWARE MODE


2  Press and hold programming button until LED turns solid GREEN to register selection.

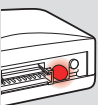
 After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

MODULE PROGRAMMING PROCEDURE

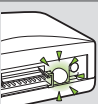
NOTE


1 When programming, only one keyfob will be used. The other one must be located at least 10 feet away from the vehicle.

1  Push start button once [2x] to ON position.

2  LED will turn solid RED.

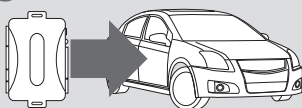
3  Start engine.


4  Wait, LED will flash GREEN rapidly.


5  Push start button once [1x] to OFF position.

6  **WARNING:**
Disconnect power last.
Disconnect module from vehicle.


7  Connect module to computer and proceed with extended programming.


8  **WARNING:**
Connect power first.
Connect module to vehicle.

9  Push start button once [2x] to ON position.

10  LED will turn solid RED.

11  Start engine.

12  Wait, LED will turn solid GREEN.

13  Push start button once [1x] to OFF position.

14 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
B	1981	M	1991	1	2001	B	2011
C	1982	N	1992	2	2002	C	2012
D	1983	P	1993	3	2003	D	2013
E	1984	R	1994	4	2004	E	2014
F	1985	S	1995	5	2005	F	2015
G	1986	T	1996	6	2006	G	2016
H	1987	V	1997	7	2007	H	2017
J	1988	W	1998	8	2008	J	2018
K	1989	X	1999	9	2009	K	2019

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 GREEN	Additional steps required to complete programming	Correctly programmed and operational	False ground when running status from remote starter
Solid GREEN 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

- DISCONNECT** all connectors from module **EXCEPT** the black 4-PIN standard or optional data connector.
- DISCONNECT** black 4-PIN standard or optional data connector.
- PRESS AND HOLD** programming button while connecting either 4-PIN standard or optional data connector.
- When LED flashes red, **RELEASE** programming button.

- LED will turn solid red for 2 seconds.
RESET COMPLETED.
 - RECONNECT** all connectors.
 - Repeat programming procedure.
- !** Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.

WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

IMPORTANT

I All vehicle doors must be closed and locked prior to remote start sequence. Failure to comply will result in remote starter malfunction.

TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

NOTE

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



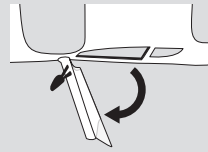
TIME RESTRICTION COMING UP !

1



Press UNLOCK on after-market remote.

2



TIME RESTRICTION

Within 45 SECONDS from previous step:

Have a valid key on you.
Open vehicle door.
Enter vehicle.
Close vehicle door.

Wait approximately 3 seconds for the automated takeover, then press and release BRAKE pedal.

3

Take over procedure completed.



Failure to follow this procedure will result in a vehicle engine shutdown.