

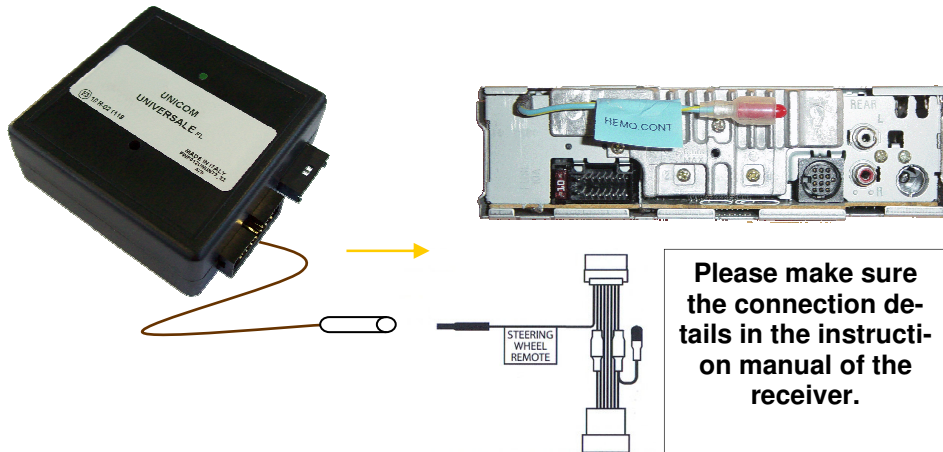
KENWOOD

JVC

CAW-COMUN2

Universal Steering Wheel Remote Control Adaptor
Universal-Lenkradfernbedienungsadapter
Interface Universelle pour télécommande au volant d'origine
Interfaccia Universale per comandi al volante d'origine
Interfase Universal para mandos de volante originales

Version 1.15



Radio protocol selection procedure	
	<p>PRESS SEEK +</p>
	<p>PRESS VOLUME + FOLLOWED BY SEEK +</p>

Learning procedure

After having completed the connections, turn on the ignition key to supply power to the CAW-COMUN2 . The LED will flash RED quickly, indicating that the NO BUTTON PRESSED state has been memorized

Lernvorgang

Nachdem Sie alle Verbindungen hergestellt haben, schalten Sie die Zündung ein, um den Adapter CAW - COMUN2 mit Strom zu versorgen. Die LED blinkt im schnellen Rhythmus ROT auf und zeigt so an, dass keinerlei Steuerfunktionen programmiert sind.

Procédure d'apprentissage

Une fois les connexions terminées, mettre le contact pour allumer le CAW-COMUN2 , le led clignotera rapidement en rouge signifiant qu'aucune commande n'est mémorisée.

Procedura di apprendimento

Eseguiti i collegamenti accendere il quadro vettura per dare alimentazione ad CAW-COMUN2, il LED emetterà un breve lampeggio ROSSO indicando la memorizzazione della condizione **NESSUN TASTO PREMUTO**.

Procedimiento de aprendizaje

Después de completar las conexiones, activar la alimentación del CAW-COMUN2 por la llave de contacto. El LED rojo parpadeará rápidamente indicando que el estado de NINGÚN BOTON PULSADO ha sido memorizado.



Now you must assign the functions of control of the radio to the buttons/levers of the vehicle's steering wheel command.

The programming of the functions follows the sequential logic which is described in the chart.

For each button pressed the LED will blink RED to indicate that the function is associated.

The first function available is VOLUME -

Jetzt müssen Sie die Bedienfunktionen des Autoradios den Tasten und Steuerelementen der Lenkradfernbedienung zuweisen. Die Programmierung der Bedienfunktionen erfolgt einzeln und schrittweise und ist der nachfolgenden Tabelle zu entnehmen.

Nach jedem Druck auf die entsprechende Bedientaste der Lenkradfernbedienung blinkt die LED ROT auf und zeigt an, dass die Steuerfunktion einprogrammiert wurde.

Die erste zu programmierende Funktion ist die Absenkung der Lautstärke (VOLUME -).

Maintenant vous devez apprendre les fonctions de l'autoradio à la télécommande du véhicule. La programmation des fonctions suit une logique séquentielle comme indiqué dans le schéma.

Pour chaque bouton pressé la led clignotera en rouge indiquant que la fonction est mémorisée.

La première fonction est Volume -

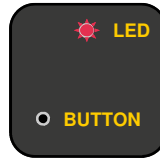
Ora bisogna assegnare le funzioni di controllo della radio aftermarket ad ognuno dei pulsanti / leve del comando al volante della vettura. L'assegnazione delle funzioni per ogni pulsante / leva segue la logica descritta nella tabella.

Ad ogni pressione di un pulsante , il LED emetterà un lampeggio breve ad indicare l'avvenuta memorizzazione della funzione.

La prima funzione disponibile è VOLUME -.

Ahora pueden asignarse las funciones de control del receptor desde los mandos originales de volante. La programación de las funciones seguirá una lógica secuencial que se describe en el diagrama. Cada vez que se pulse el botón del mando de volante el LED parpadeará indicando que la función ha sido aceptada

La primera función disponible es VOLUMEN -



To jump a function press the BUTTON of the CAW-COMUN2 once.

It's possible to manage max. 8 buttons (functions)

If less than 8 buttons are present on the steering wheel, it will be necessary to force the end programming manually.

In order to carry out this procedure, you only need to press the button of CAW-COMUN2 a few times, in order to reach 12 functions (even if they are not handled)

To conclude the programming the LED will blink GREEN.

Now the radio protocol must be selected. To manage this operation follow the description at page 1. Switch on the radio. Use the steeringwheel controls to check the functions. Should any defects occur, make a RESET and repeat the LEARNING PROCEDURE from the beginning.

To RESET: turn off the ignition of the car, press and hold down the button of CAW-COMUN2, then turn on the ignition of the car, when the LED will begin to flash RED release the button.

Um auf eine Bedienfunktion zu springen, drücken Sie einmal kurz auf die Taste "BUTTON" des Adapters CAW-COMUN2. Sie können bis zu 8 Funktionen bzw. Tastenbelegungen programmieren.

Sofern die Lenkradfernbedienung über weniger als 8 Funktionen verfügt, muss der Programmierungsvorgang manuell beendet werden.

Um die Programmierung der Bedienfunktionen durchzuführen, muss die "Button"-Taste lediglich mehrmals gedrückt werden, um so beispielsweise 12 Steuerbefehle abspeichern zu können - auch wenn sie nicht alle unterstützt werden.

Ist die Programmierung beendet, signalisiert eine ständig in grüner Farbe leuchtende LED die Betriebsbereitschaft des Adapters.

Nun erfolgt die Auswahl des entsprechenden Radioprotokolls gemäß der Erklärung auf Seite 1.

Nach Abschluss der Programmierung verbinden Sie den Adapter CAW-COMUN2 und den Lenkradfernbedienungsanschluss auf der Rückseite des Autoradios miteinander.

Schalten Sie das Autoradio ein. Überprüfen Sie alle Funktionen der Lenkradfernbedienung. Sollte eine Bedienfunktion nicht ordnungsgemäß arbeiten, setzen Sie den Adapter in den Ausgangszustand zurück und wiederholen Sie den Vorgang.

Um das Modul RESET: schalten Sie die Zündung des Autos, drücken und halten Sie die Taste des CAW-COMUN2, dann die Zündung des Autos drehen, wenn die LED beginnt rot zu blinken, die Taste loslassen.

Pour sauter une fonction appuyer sur le bouton de CAW-COMUN2. L'interface peut gérer au maximum 8 fonctions.

Si il y a moins de 8 fonctions sur la télécommande d'origine, il est nécessaire de terminer manuellement la procédure d'apprentissage

Pour terminer cette procédure il suffit de presser le bouton de CAW-COMUN2 le nombre de fois nécessaire pour atteindre 12 fonctions

Pour indiquer la fin de la procédure le led de l'interface clignote en vert.

Voir page 1 pour la sélection du protocole radio.

Allumer l'autoradio et essayer toutes les fonctions de l'interface. En cas de fonctions défectueuses, faire un RESET et recommencer la procédure d'apprentissage.

Pour réinitialiser le module: coupez le contact de la voiture, appuyez et maintenez enfoncé le bouton de CAW-COMUN2, puis mettez le contact de la voiture, lorsque le voyant se met à clignoter en rouge, relâchez le bouton.

Per saltare una funzione premere il TASTO di CAW-COMUN2 una volta.
 E' possibile gestire massimo 8 pulsanti / leve.
 Se fossero presenti meno di 8 pulsanti / leve sul volante è necessario forzare manualmente l'uscita dalla programmazione.
 Tale procedura richiede solamente di premere il tasto di CAW-COMUN2 un numero di volte tale ad arrivare fino alla funzione 12 (anche se non gestita).
Conclusa la programmazione il LED lampeggia VERDE.
 Selezionare il protocollo radio desiderato come descritto a pagina 1.
 Accendere l'autoradio, sintonizzare la radio ed utilizzare i comandi al volante della vettura per gestirne le funzioni; qualora si evidenziassero delle anomalie, eseguire il RESET e ripetere attentamente la PROCEDURA DI APPRENDIMENTO dall'inizio.
 Per eseguire il RESET: spegnere il quadro della vettura, tenere premuto il pulsante di CAW-COMUN2 e riaccendere il quadro della vettura, quando il LED comincerà a lampeggiare ROSSO rilasciare il tasto.

Para avanzar a la siguiente función pulsar una vez el BOTÓN en el CAW-COMUN2 .
 Es posible asignar hasta 8 funciones
 Si las funciones en el mando de volante son menores de 8, será necesario forzar manualmente el final de programación.
 Para terminar la programación de memorización, deberá pulsarse el BOTÓN del CAW-COMUN2 varias veces hasta terminar las 12 funciones.
Al concluir la programación el LED parpadeará VERDE.
 Para seleccionar el corecto protocolo seguir la descripción a la pagina 1.
 Encender la Radio y utilizar los mandos de volante para chequear las funciones. Si ocurre alguna anomalía, hacer un RESET en el CAW-COMUN2 y repetir el procedimiento de aprendizaje.
 Para hacer el RESET: apague el motor del coche, pulse y mantenga pulsado el botón del CAW-COMUN2, a continuación, encienda el encendido del coche, cuando el LED comenzará a parpadear en rojo, suelte el botón.

FUNCTION	KENWOOD	JVC
1	VOLUME —	VOLUME —
2	VOLUME +	VOLUME +
3	SEEK —	SEEK —
4	SEEK +	SEEK +
5	SRC / PHONE CLOSE CALL	SOURCE
6	MUTE	MUTE
7	UP	UP
8	DOWN	DOWN
9	PHONE ANSWER A CALL	PHONE ANSWER A CALL
10	PHONE CLOSE CALL	PHONE CLOSE CALL
11	X	VOICE
12	X	X

CAW-COMUN2 LED STATUS

- 1 - LED OFF, IT BLINKS ONE TIME RED WHEN YOU TURN ON THE KEY
(OR CONNECT THE POWER SUPPLY)
 - No SW Commands memorized
- 2 - LED BLINKS ONE TIME WHEN YOU PUSH A BUTTON
 - SW Command memorized
- 3 - LED BLINKS ONE TIME WHEN YOU PUSH THE RESET BUTTON
 - Radio function skipped
- 4 - LED GREEN SLOW BLINKING
 - SW Commands memorized but radio profile not selected
- 5 - LED FIXED GREEN - SW Commands memorized
 - Radio selected

CONNECTIONS

REV 14.10

ALL THE CONNECTORS ARE SEEN FROM THE WIRES ON EXIT SIDE.

DON'T CONNECT THE WIRES PRESENT ON THE UNICOM CABLE BUT NOT MENTIONED ON THE DIAGRAMS.

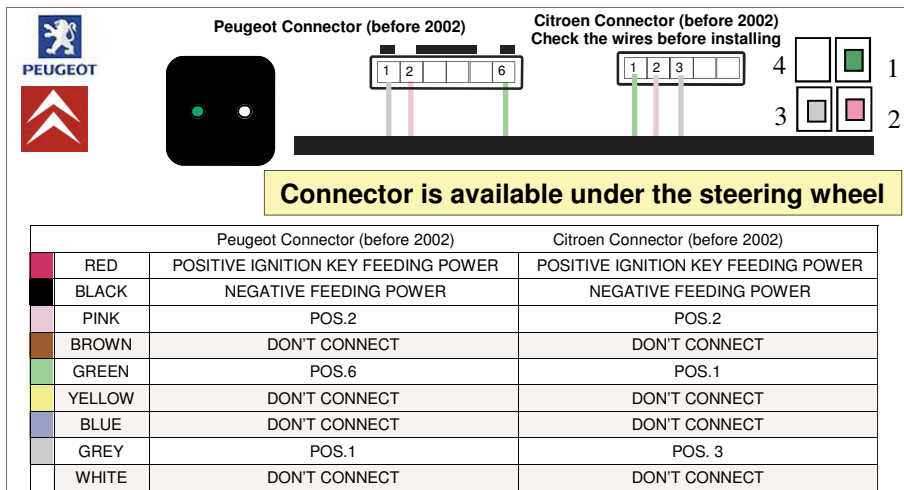
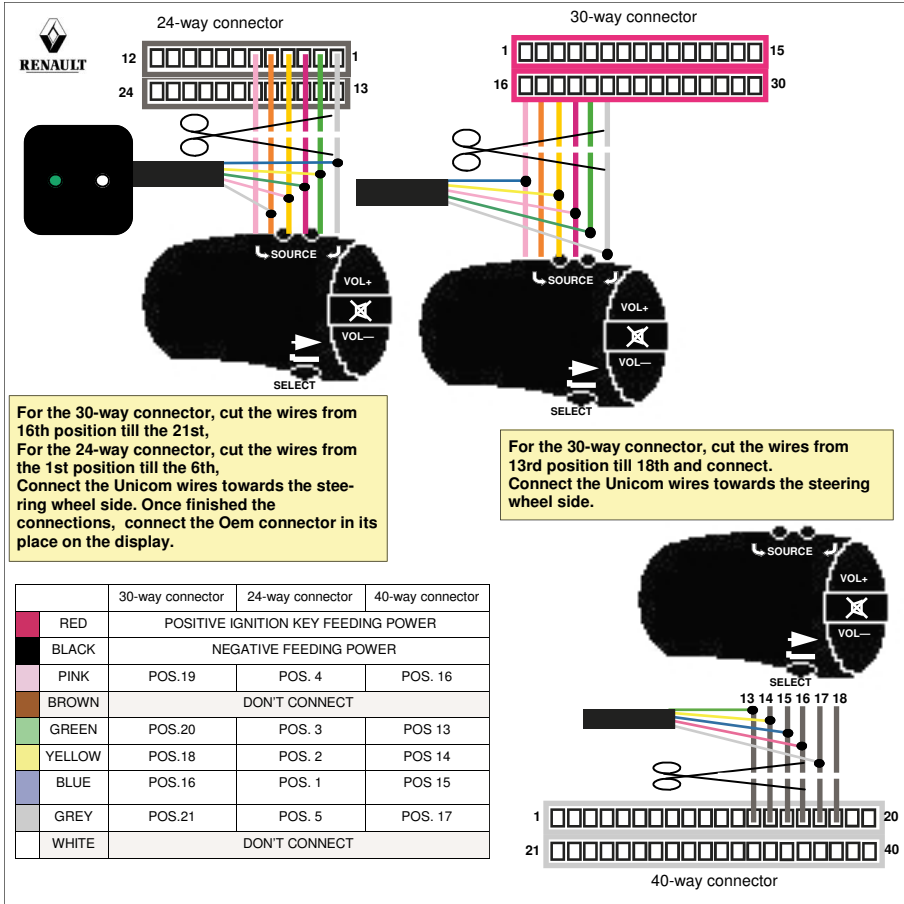
IF THE COLOURS MENTIONED ARE NOT THE SAME AS THE CAR CONNECTOR PLEASE FOLLOW THE POSITIONS

	SCENIC	MEGANE	VEL SATIS CLIO LAGUNA
RED	POSITIVE IGNITION FEEDING POWER		
BLACK	NEGATIVE FEEDING POWER		
PINK	RED POS.9	GREY POS.2	BROWN POS.4
BROWN	DON'T CONNECT		
GREEN	GREEN POS.10	BEIGE POS.5	ORANGE POS.3
YELLOW	YELLOW POS.12	GREEN POS.3	BEIGE POS.6
BLUE	BLUE POS.14	ORANGE POS.7	VIOLET POS.1
GREY	BLACK POS.11	VIOLET POS.4	GREY POS.5
WHITE	DON'T CONNECT		

ALWAYS DISCONNECT THE CONNECTOR FROM THE VEHICLE'S DISPLAY

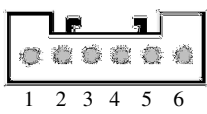
MEGANE SCENIC II - TRAFFIC










	MEGANE SCENIC II - TRAFFIC
RED	POSITIVE IGNITION KEY FEEDING POWER
BLACK	NEGATIVE FEEDING POWER
PINK	WHITE POS.11 VIOLET
BROWN	DON'T CONNECT
GREEN	GREY POS.10 BROWN
YELLOW	BROWN POS.8 BEIGE
BLUE	ORANGE POS.9 YELLOW
GREY	GREEN POS.12 RED
WHITE	DON'T CONNECT



Ford

MONDEO

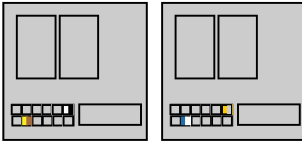












	RED	POSITIVE IGNITION KEY FEEDING POWER
	BLACK	NEGATIVE FEEDING POWER
	PINK	Pos. 6
	BROWN	DON'T CONNECT
	GREEN	POS. 3
	YELLOW	POS. 1
	BLUE	POS. 2
	WHITE	POS. 4
	BROWN / YELLOW	POS. 5

Ford

FORD MONDEO 2007 - SMAX C-MAX KUGA FOCUS

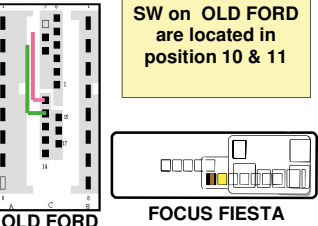
The command wires are on the FAKRA in the position 6 and 8














		FORD Connector
	RED	POSITIVE IGNITION KEY FEEDING POWER
	BLACK	NEGATIVE FEEDING POWER
	PINK	 YELLOW / GREY
	GREEN	 WHITE / BLUE
	PINK	 WHITE / BLACK
	GREEN	 YELLOW / BROWN







Ford

The wires of the SW on OLD FORD are located in position 10 & 11

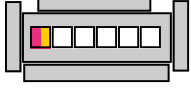


		FORD Connector
	RED	POSITIVE IGNITION KEY FEEDING POWER
	BLACK	NEGATIVE FEEDING POWER
	PINK	 WHITE / BLACK
	BROWN	DON'T CONNECT
	GREEN	 YELLOW / BROWN
	YELLOW	DON'T CONNECT
	BLUE	DON'T CONNECT
	GREY	DON'T CONNECT
	WHITE	DON'T CONNECT

CHRYSLER


	RED	VOYAGER	GRAND CHEROKEE	CHEROKEE
	BLACK	POSITIVE IGNITION KEY FEEDING POWER		
	PINK	NEGATIVE FEEDING POWER		
	GREY WHITE	 RED YELLOW	 GREY ORANGE	

JGC 2001>




DISCONNECT RED YELLOW AND CONNECT THE PINK WIRE

CHEROKEE 2003>04



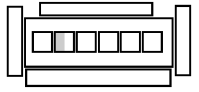
DISCONNECT RED BLUE AND CONNECT THE PINK WIRE

CHEROKEE 2004>05



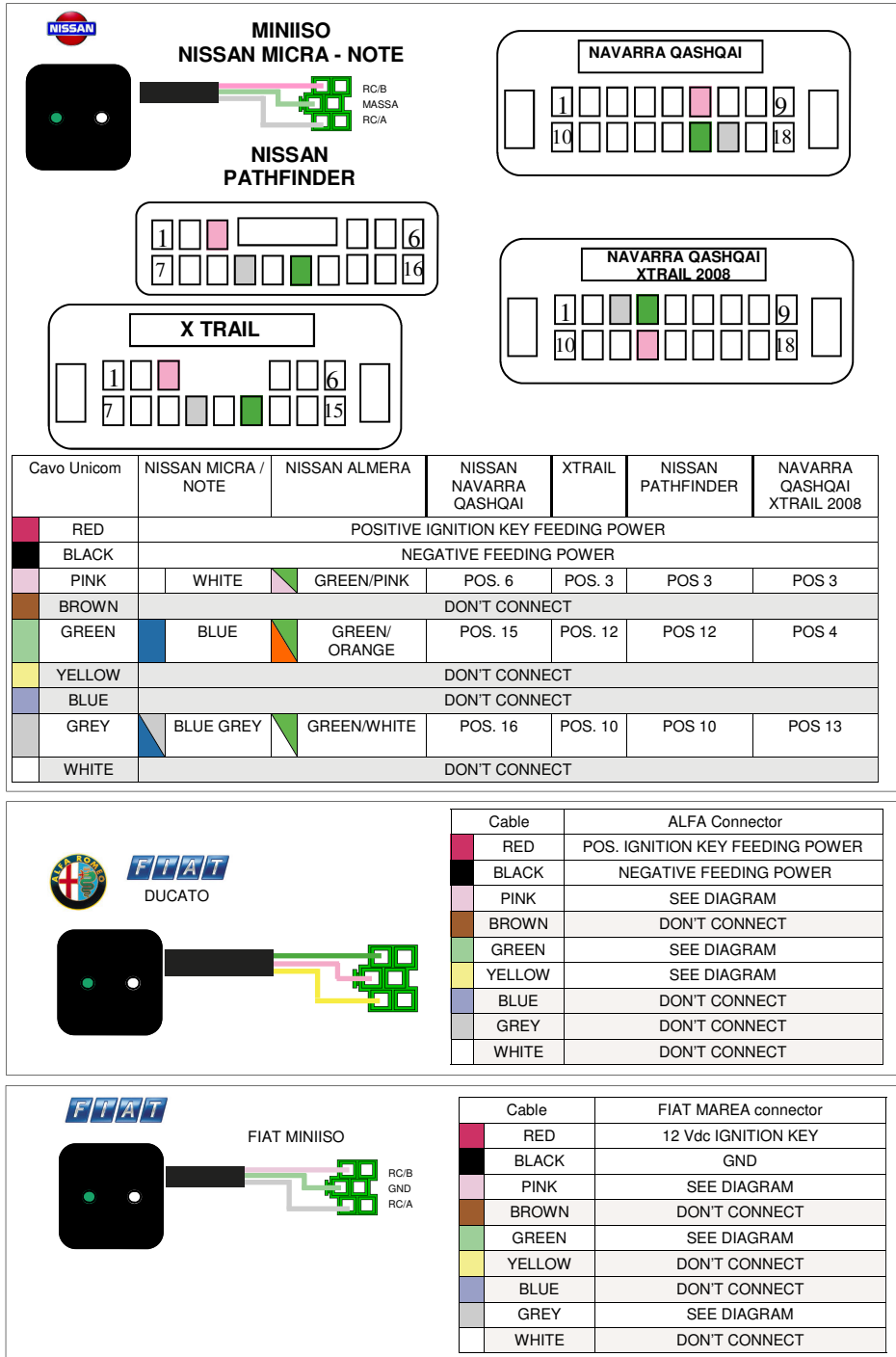
DISCONNECT GREY ORANGE AND CONNECT THE PINK WIRE

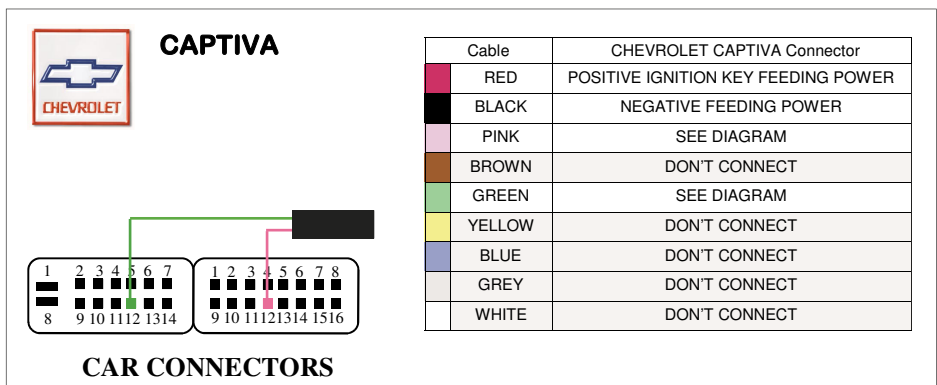
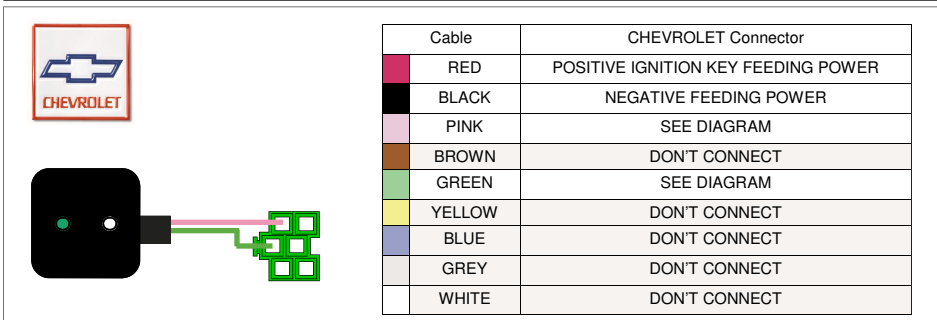
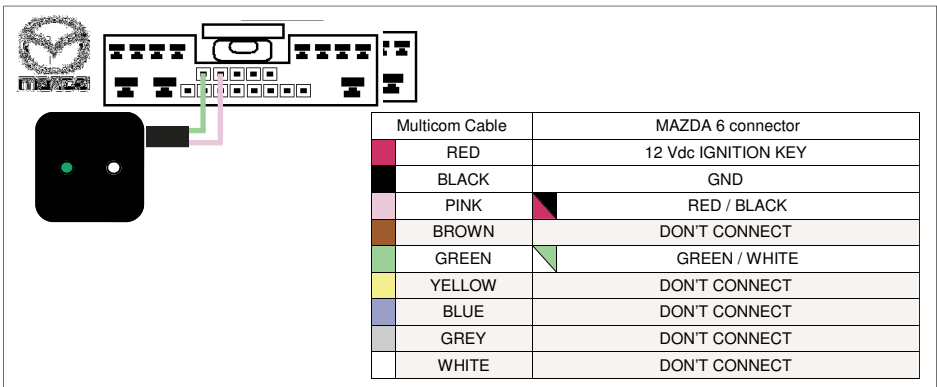
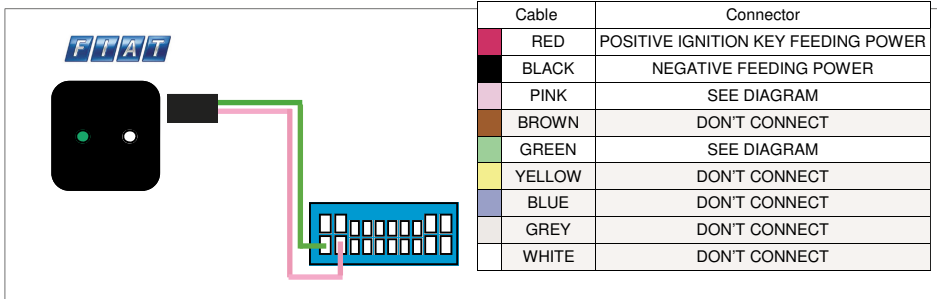
VOYAGER 2001>

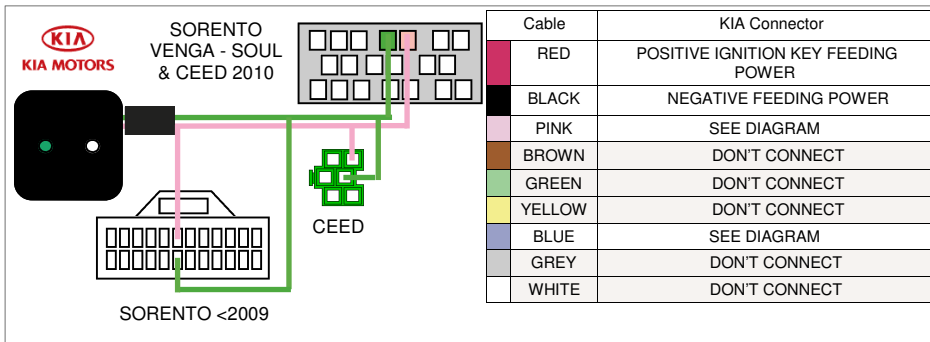
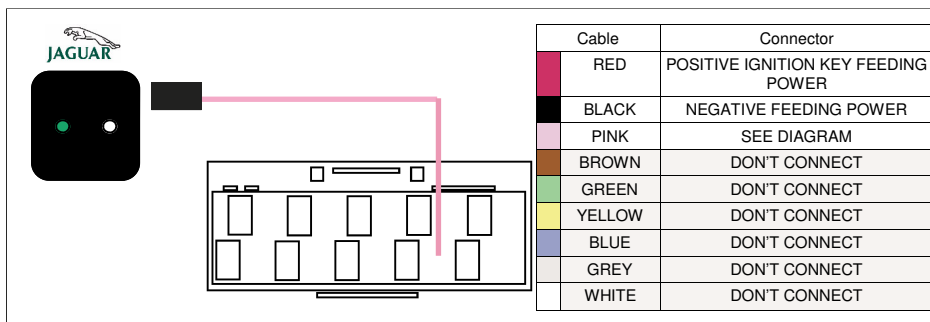
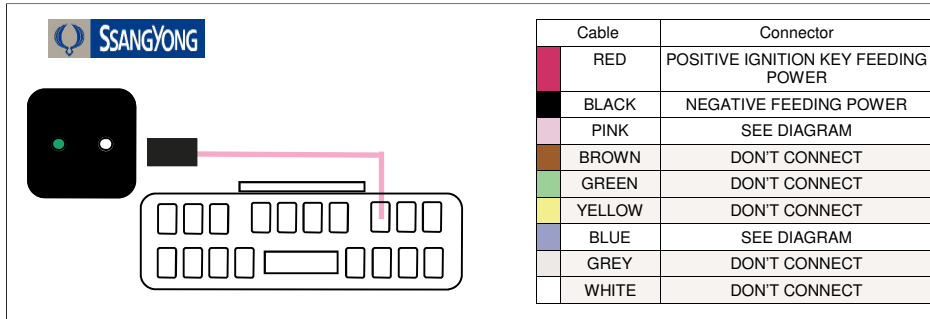


DISCONNECT GREY WHITE AND CONNECT THE PINK WIRE

Connectors are available under the steering wheel

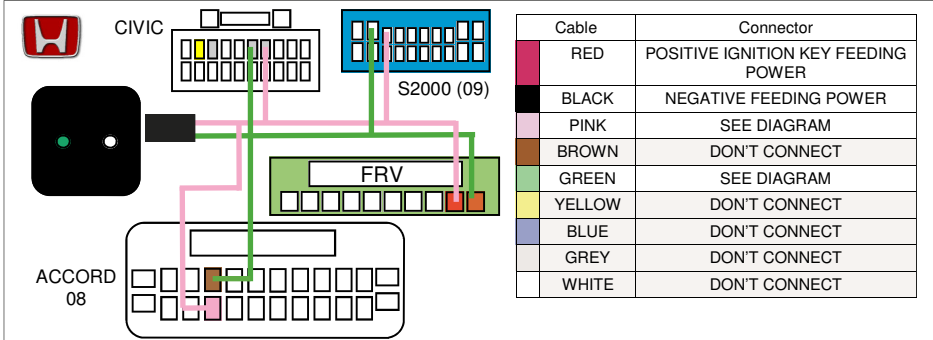
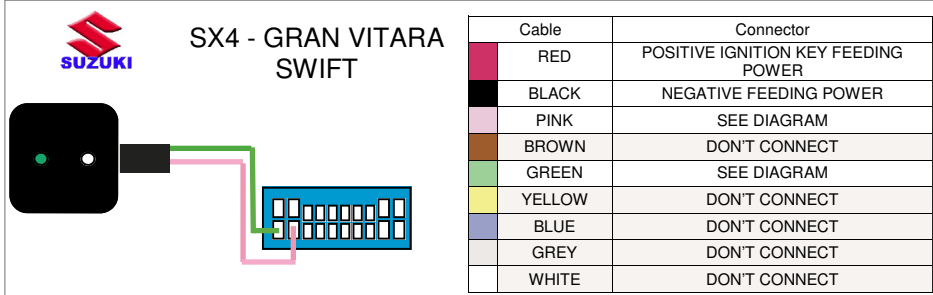
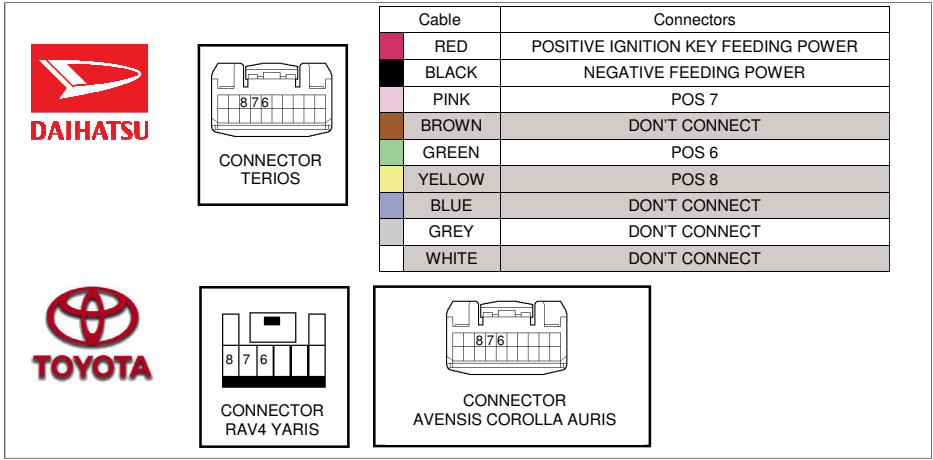
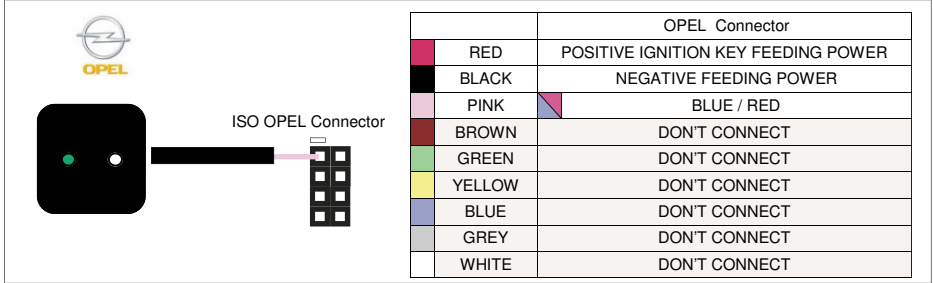


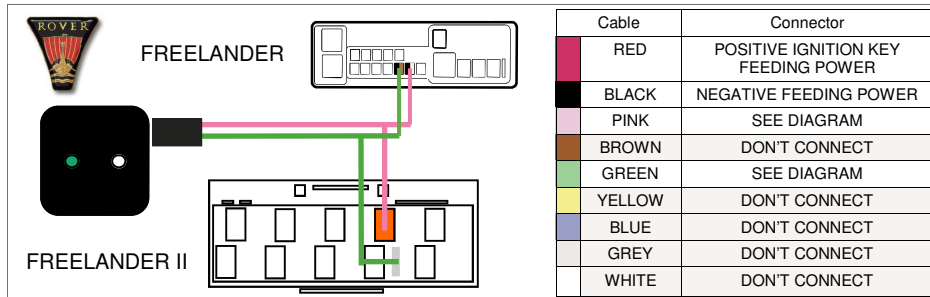
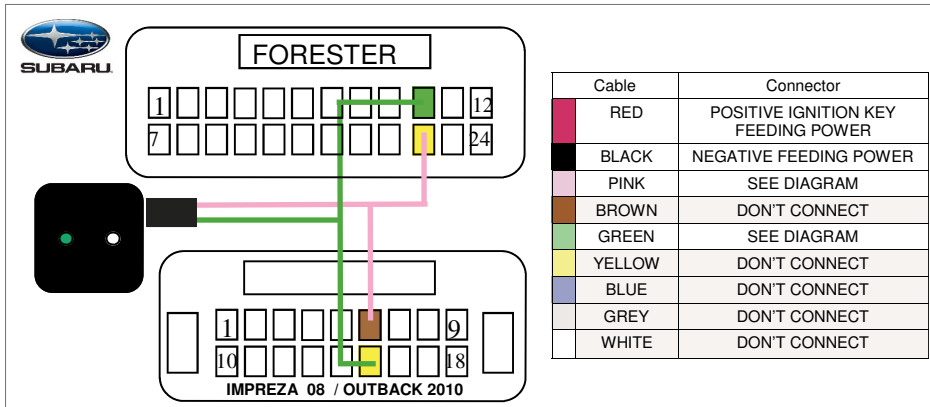
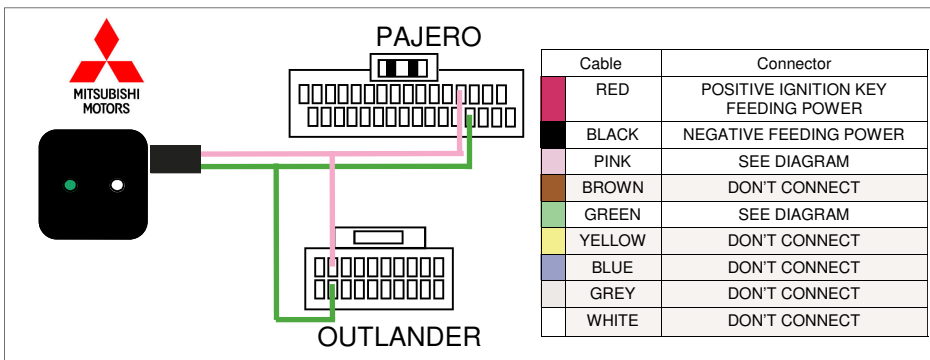
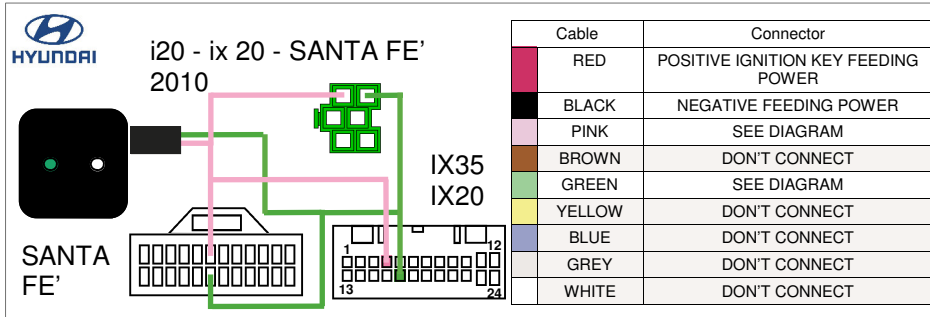




FIAT ULISSE - LANCIA Z - PEUGEOT 805 - CITROEN EVASION

Connector	
RED	POSITIVE IGNITION KEY FEEDING POWER
BLACK	NEGATIVE FEEDING POWER
PINK	RED POS. 3
BROWN	DON'T CONNECT
GREEN	BLUE POS. 2
YELLOW	DON'T CONNECT
BLUE	DON'T CONNECT
GREY	DON'T CONNECT
WHITE	DON'T CONNECT





WARRANTY

THIS PRODUCT IS COVERED BY TWO-YEAR GUARANTEE FOR ANY MANUFACTURING TROUBLES. THE WARRANTY IS VALID IF ACCOMPANIED BY THE INVOICE OF PURCHASE

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