

**Manual or Automatic transmission**

**The command module is set by default to operate in a vehicle equipped with a Manual transmission. For an Automatic transmission refer to Fig 1 and cut the loop.**

**Note :** Remember to always **reset** the unit ( power off/on) after cutting the loop

**A -To code the transmitter (Hand brake must be On or White/Blue Grounded)**

- 1-It is mandatory to **override** the starter kill and to **reactivate** it before proceeding to the following step.
- a-Turn the key to Ign On and **within 6 sec**, press and hold the programming button , system will chirp once and LED will stay On for 5 sec then Off for 5 sec continuously (system is NOW in Valet/Override).
- b-Repeat the same procedure as in above **step a** , system will chirp twice and LED will stay Off (system is NOW back to normal , Valet/Override Off).
- 2- *Immediately after the system chirp Twice*, turn the key to Ign On, within 6 sec , push and release **Slowly** foot brake pedal 3 times = LED will flash rapidly, press immediately (within 5 sec) LOCK button of the transmitter. One long chirp will sound to confirm with parking lights flashing. To code a second and third transmitter, press same LOCK button of the respective transmitter one after the other

**B - Override**

**To Override the alarm and starter kill**

- 1-Turn the key to Ign On and **within 6 sec**.
- 2-Press and hold the programming button .
- 3-Siren or horn will stop sounding, alarm and starter kill will be cancelled instanly in case of lost or malfunction of the transmitter.
- To **reactivate** the alarm function, repeat step 1 and 2 . System will chirp Twice (2) to confirm.

**Valet (Sleep Mode)**

**To put the system in "Sleep Mode" for car servicing or in "Valet Parking"**

- 1-Turn the key to Ign On and **within 6 sec**.
- 2-Press and hold the programming button
- 3-System will chirp Once (1) for Valet mode activated (On). LED will stay ON for 5 sec then Off for 5sec continuously.
- 4-To turn Off the "SleepMode" or the "Valet Parking", repeat step 1 and 2. System will chirp Twice (2) to confirm.

**CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment

## RS-525

### **C-DIP Switch setting** *(always power off the command module to perform this step)*

DIP SW	OFF	ON
D1	GAS	<i>DIESEL</i>
D2	HORN	<i>SIREN</i>
D3	Lock Pulse 0.8 sec	<i>Lock Pulse 4 sec.</i>
D4	Unlock 1 pulse	<i>Unlock 2 pulses</i>
D5	1.5 sec pulse before ignition to disarm factory alarm	<i>0.5 sec pulse before ignition to disarm factory alarm</i>
D6	<b>Running time 20 minutes</b>	Running time 12 minutes
D7	With Alarm	Without Alarm
D8	<i>Dome by pass 60 sec when remote start Disable</i>	<i>Dome by pass 60sec when remote start Enable</i>
D9	Dome diagnostic Enable	Dome diagnostic Disable
D10	Dome supervision <b>disable</b>	Dome supervision <b>enable</b>
D11	Do not use	Do not use
D12	Normal Tach	<b>Low Tach</b> <i>(more sensitivity)</i>

### **D- Instant diagnostic for Remote Starter and Alarm**

No programming mode is necessary. After completing installation, press **Start** or **Lock / Arm** button and refer to the below chart to locate the problem.

#### REMOTE STARTER

Parking Light	2 Flash	3 Flash	4 Flash	5 Flash	6 Flash	6 Flash
Press <b>START</b>	VALET	IGN is ON	Not ready*	Hood open	Foot Brake	Hand Brake

\*Automatic = start with key to confirm Tach signal everytime control module is plugged in or check if the loop is cut

\*Manual transmission = a) same as above b) no manual setting sequences are performed c) check the loop

#### ALARM

Horn / Siren	1 Chirp	3 chirps	4 chirps	5 chirps
Press <b>LOCK / ARM</b>	Normal	Shock sensor	Door	Hood

**Note:** In the event that the vehicle has the domelight delay, to avoid the 4 chirps when doors are locked by the transmitter, go to section C and Disable D9 (domelight diagnostic).

### **E – Tach learning procedure**

1-Start the engine with the key, the LED will stay solid if the tach source is correct. In the negative, change to another location or set DIP switch **D12** to *ON* for **Low Tach**. **Unplug the command module to reset for the new setting**. It happens sometime that the tach signal seems to be correct when the engine is warm, but it becomes weak when it starts to getting cold.

Consult our Tach Reference List or call us to get one.

2- Warm up the engine at the normal temperature at approx. 800rpm. **Press and hold** buttons *Lock & Unlock* for 3 sec and *release as soon as the parking lights start flashing* to confirm the learning procedure. **Wait** to *hear a chirp* (if horn is installed) or one final parking flash to end the operation.

### **F- Toggle (On/Off) switch**

The function of the Toggle (On/Off) switch is to *allow or stop mechanically* the system to remote start.

The alarm and starter kill function remain functional regardless the position of this switch.

*To override the alarm, the starter kill and the remote starter, refer to section B*

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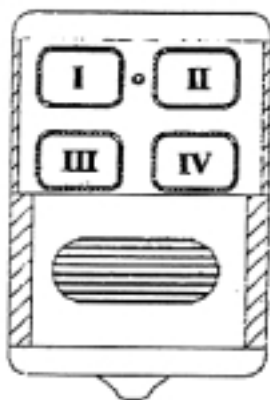
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# INSTALLATION GUIDE

## RS-525

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### G- Functions of transmitter



- I : Transmitter Programming  
Lock/Arm  
Panic (3 sec.)
- II : Unlock/Disarm  
Trunk (3 sec.)
- I + II : Cold Start Timer(w/o Ignition)  
TACH Learning (w/Ignition)
- III : Silent Mode with Chirp Delete
- IV : Start/Stop  
Keyless Running Mode  
Manual Transmission Mode

# Wiring diagram RS-525

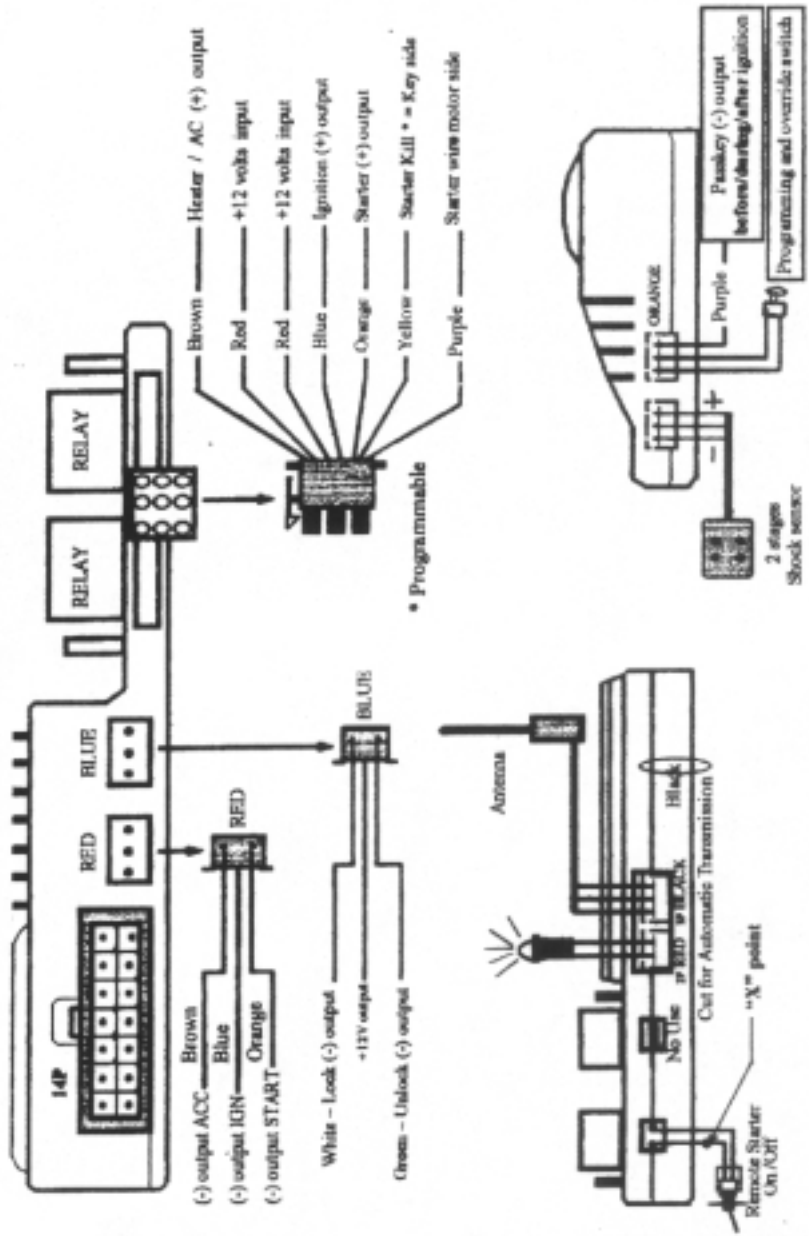


Fig. 1

# Wiring diagram RS-525 (14P connector)

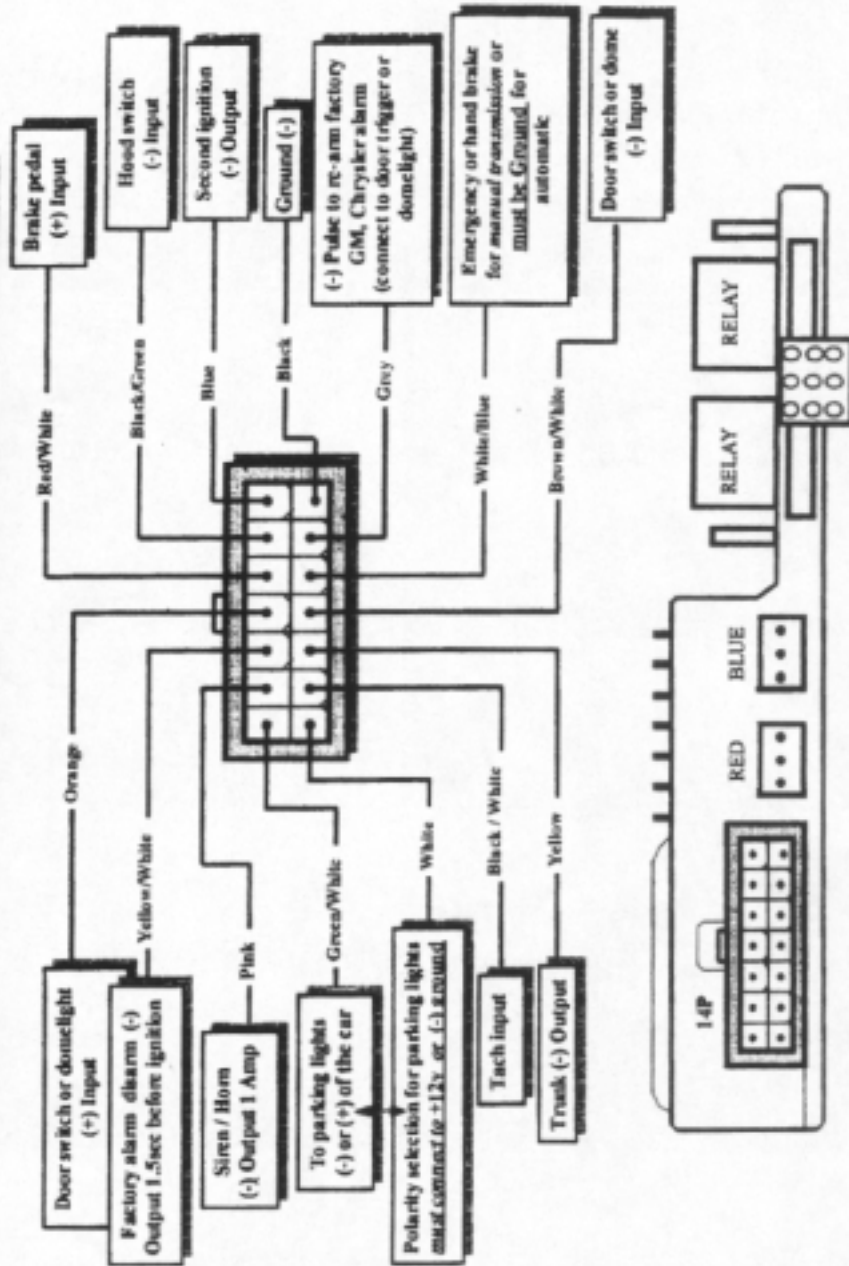


Fig. 2

# RS-525

## **Remote starter features**

1. Special TACH learning technology with cranking automatically
2. Accessories including an external antenna range up to 1200 feet\*\*
3. Industry grade: -35 °C ~ +80°C is guaranteed
4. Keyless running mode
5. Compatible for **Manual and Automatic** transmission
6. Compatible for **Diesel** engine with *glow-plug* input
7. Output (500mA) for **Disarm, PassLock** of factory alarm and separate output for **Passkey**
8. Domelight by-pass when remote start (i.e. Grand Cherokee 98)
9. *Cold start* timer for 2, 3 and 4 hrs for 6 minutes of running time
10. Safe function on hand brake/foot brake/hood
11. 2<sup>nd</sup> ignition/ACC/start available
12. Polarity selection for parking light
13. Starter disable switch
14. Door re-lock when remote start
15. Installation diagnostic mode

\*\* May vary depending on area, weather and various factors \*\*

## **Alarm features :**

1. *Soft chirp* when arm and disarm including horn or siren
2. On board and pre-wired starter kill relay
3. Output (1 Amp) for **horn** or **siren** - *relay not require*
4. Auto re-arm/re-lock
5. Visual and audible **tamper memory**
6. With alarm & without alarm programmable
7. Positive and negative door input
8. **Dual zone** plug in mini shock sensor (Option)
9. Faulty zone by-pass
10. Easy valet & over-ride
11. 3<sup>rd</sup> channel (i.e. trunk output)
12. Dedicated **Smart button** for *Silent* arm and chirp delete
13. Re-arm factory alarm by domelight including GM and Chrysler
14. Pre-warning melody soft chirp(5 sec.) when door open without disarm
15. Diagnostic mode for trouble shoot after installation

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