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Voice Navigation System

NVE-N077P

OWNER'S MANUAL

Please read before using this equipment.

Auto Route Calculation
Destination Search
Real Time Voice Guidance

MODE D'EMPLOI

Veuillez lire ce mode d'emploi avant la mise en service de l'appareil.

Calcul automatique d'itinéraire
Recherche de destination
Guide vocal en temps réel

MANUAL DE INSTRUCCIONES

Lea este manual antes de utilizar este equipo.

Cálculo automático de ruta
Búsqueda de destino
Guía de voz en tiempo real

BEDIENUNGSANLEITUNG

Bitte lesen Sie diese Bedienungsanleitung vor Gebrauch Ihres Navigationssystems durch.

Automatische Streckenermittlung
Zielort-Suche
Echtzeit-Sprachführung

ISTRUZIONI PER L'USO

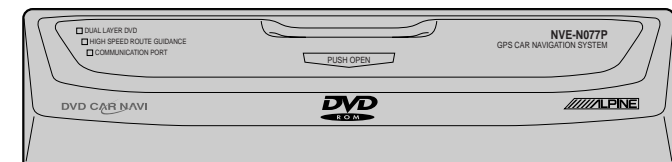
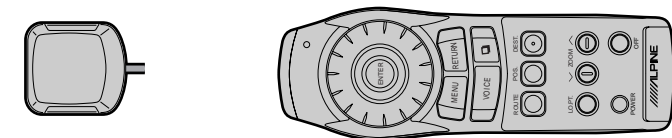
Leggere questo manuale prima di usare l'apparecchio.

Calcolo automatico del percorso
Ricerca della destinazione
Guida a voce in tempo reale

GEbruIKSAANWIJZING

Lees de gebruiksaanwijzing zorgvuldig door alvorens u het apparaat in gebruik neemt.

Automatisch uitstippelen van de route
Zoeken van uw bestemming
Gesproken instructies terwijl u rijdt



PRECAUTIONS

IMPORTANT INFORMATION, PLEASE READ CAREFULLY BEFORE USING THIS PRODUCT.

This product is intended to safely provide turn by turn instruction to get you to a desired destination. Please read the following precautions to ensure that you use this navigation system correctly.

⌘ This product is not a substitute for your personal judgment. Any route suggestions made by this navigation system may never supersede any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.

⌘ Glance at the screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, stop in a safe and legal manner and location.

⌘ Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor and/or remote control while you are driving. Stop in a safe and legal manner and location before attempting to access the system.

⌘ Do not use the navigation system to route you to emergency services. Not all locations of emergency service providers such as police and fire stations, hospitals, and clinics are contained in the database. Please use your own judgment and your ability to ask for directions in these situations.

⌘ The map database contained within the media (DVD ROM) in which it is stored is the most recent map data available at the time of production. Because of changes in streets and neighborhoods, there may be situations where the navigation system may not be able to route you to your desired destination. In these cases, use your own personal judgment.



⌘ The map database is designed to provide you with route suggestions, it does not take account of the relative safety of a suggested route, or of factors which may affect the time required to reach your destination. The system does not reflect road closures or construction, road characteristics (i.e. type of road surface, slope or grade, weight or height restrictions, etc.), traffic congestion, weather conditions, or any other factors which may affect the safety or timing of your driving experience. Use your personal judgment if the navigation system is unable to provide you with an alternate route.

- ☼ ***There may be situations where the navigation system may display the vehicle's location erroneously. Use your own driving judgment in this situation, taking into account current driving conditions. Please be aware that in this situation, the navigation system should correct the vehicle's position automatically; however, there may be times where you may have to correct the position yourself. If this is the case, stop in a safe and legal manner and location before attempting operation.***
- ☼ ***Make certain that the volume level of the monitor is set to a level which still allows you to hear outside traffic and emergency vehicles. Driving while unable to hear outside sounds could cause an accident.***
- ☼ ***Position the monitor so that glancing at the screen can be performed quickly and easily by the driver. If any adjustments are necessary, stop in a safe and legal manner and location.***
- ☼ ***The monitor used with this system should not be placed in a location which hinders the driver's view of any critical elements necessary to operate the vehicle properly (i.e. the road, mirrors, instruments, vehicle's surroundings). In addition, the monitor should not be placed in a location which may obstruct the air bags should they deploy.***
- ☼ ***Remember to wear your seat belt at all times when the car is in motion. This will help you avoid impact with anything in the car's interior, including the system itself.***
- ☼ ***Please make certain that any other person who intends on using this navigation system reads these precautions and the following instructions carefully.***
- ☼ ***If there is anything in the manual which you do not understand, or are uncertain about the operation of the navigation system, please contact an authorized representative before using the navigation system.***

Points to Observe for Safe Usage

- Read this manual carefully before starting operation and use this system safely. Alpine cannot be responsible for problems resulting from failure to observe the instructions in this manual.
- This manual uses various pictorial displays to show how to use this product safely and to alert you to potential dangers resulting from improper connections and operation. Following are the meanings of these pictorial displays. It is important to fully understand the meanings of these pictorial displays in order to use this manual and the system properly.

● Meaning of displays

 Warning	This symbol means important instructions. Failure to heed them can result in serious injury or death.
 Caution	This symbol means important instructions. Failure to heed them can result in injury or material property damage.



Tips

This indicates supplementary explanation of operation of this system.



Warning

DO NOT DISASSEMBLE OR ALTER. Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN. Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES. Failure to do so may result in fire or electric shock.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS. Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

MINIMIZE MONITOR VIEWING WHILE DRIVING. Viewing the monitor may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA. This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgment or knowledge of safe driving practice.



Caution

HALT USE IMMEDIATELY IF A PROBLEM APPEARS. Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS. Doing so may result in personal injury or damage to the product.

DO NOT MIX NEW BATTERIES WITH OLD BATTERIES. INSERT WITH THE CORRECT BATTERY POLARITY. When inserting the batteries, be sure to observe proper polarity (+ and –) as instructed. Rupture or chemical leakage from the battery may cause fire or personal injury.

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- 12 Main unit
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- 14 Switching the display on/off

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-

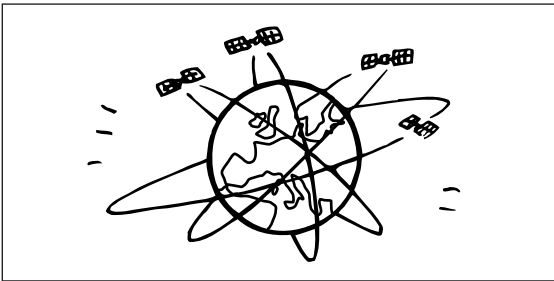
Preface

Navigation systems

This navigation system uses three different sensing devices to determine the present location and to track the progress of the vehicle. These three devices are: a GPS (Global Positioning System) receiver which receives digital signals from the GPS satellites to determine the current position of the vehicle, a gyroscope which determines which direction the vehicle turns, and a speedometer pulse sensor which determine how far the vehicle has travelled. Because this system incorporates a gyroscope and a speed sensor, the system will be able to display the vehicle's position and track the vehicle's progress even in areas where the GPS signal may be blocked.

All map data is contained on a removable DVD ROM (sold separately). This system integrates this unique map database with the sensing devices to automatically plot out a route when a destination is entered. While driving, the navigation system guides you along the route with pictorial displays and verbal prompts.

GPS (Global Positioning System)



This system receives signals from 3 or more GPS satellites (operated by the United States Department of Defense) orbiting at an altitude of 21,000 kilometers and measures the present car position using the same principles as triangulation.

The error from the actual position of the vehicle

When GPS signals can be received from 4 or more satellites, 3 dimensional positioning (the altitude, latitude, and longitude) of the vehicle can be determined. In this case, the error from the actual position of the vehicle is in the range of 100 to 655 feet (30 to 200 meters). When GPS signals can only be received from 3 satellites, only two dimensional positioning (latitude and longitude) can be determined, resulting in a slightly increased error. When GPS signals can only be received from less than three satellites, positioning of the vehicle through GPS is not possible. In addition to the inherent errors from GPS, the error rate can also be increased if the United States Department of Defense deliberately changes the accuracy rate.

Delay time before the present vehicle's position can be displayed

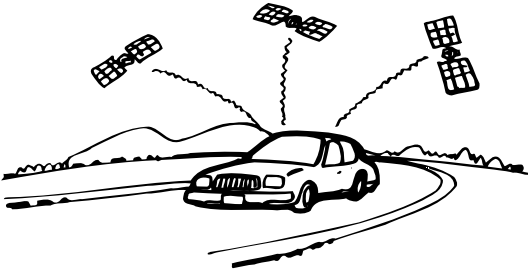
Determination of the present vehicle's position starts when the ignition key is turned to the ACC or ON positions and ends when the key is turned OFF. When the key is first turned to the ACC or ON positions, there is a slight delay of approximately one to two minutes before the present vehicle's position can be displayed.

Gyroscope

The gyroscope is a sensor that accurately measures the angle by which the direction of a vehicle or other moving body changes. Gyroscopes are used in inertial navigation systems for airliners and ships. In this

navigation system, the gyroscope is used together with the speed sensor, making it possible to display the position of the vehicle even in locations where GPS signals may be blocked.

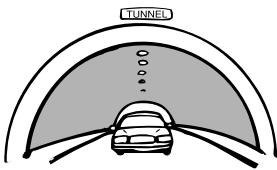
Locations where GPS signals are received easily



The optimum locations for receiving GPS signals are locations that command a good view where there are no tall buildings, trees, or other objects to obstruct the signals.

Locations where GPS signals cannot be received

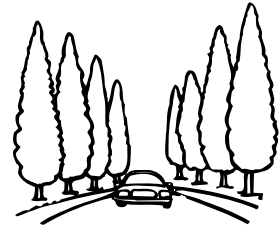
In the following locations or conditions GPS signals cannot be received. However even in these locations, the gyroscope and speed sensor will provide a substitute means of determining the vehicle's position and the system will be able to continue to track the vehicle's progress along the route.



In tunnels and indoor parking lots



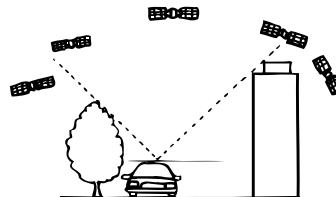
Locations surrounded by tall buildings



Locations surrounded by tall trees



On the bottom level of double-decker motorways



When a GPS satellite is low on the horizon (angle below 10°), obstructions sometimes make normal reception impossible

Names of the Parts and Their Functions

Remote control and display

Operation varies depending upon the disc version in use. For details, refer to the manual for the DVD ROM.

Remote control transmitter

This section transmits the remote control signals. Point toward the monitor display for operation.

Rotary encoder

This has multiple functions. In map displays, zooms in or out; in list displays, scrolls list pages; in coordinate inputting, moves cursor; in alphabet inputting, moves alphabetical characters.

ENTER button

Selects a highlighted item in the menu when the button is pressed. Press this button until a click sound is produced to execute your selection.

MENU button

Displays the menu screen. (See Tips.)

VOICE button

Press this button for voice guidance. (Real time voice guidance)

DEST (Destination) button

Displays street name inputting screen.

ROUTE button

Pressing this button searches for the route again and switches between motorway preference and ordinary road preference for route searching.

POWER On button

Turns the pictorial display on.

Power OFF button

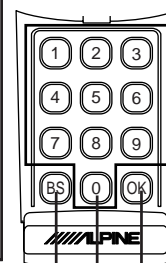
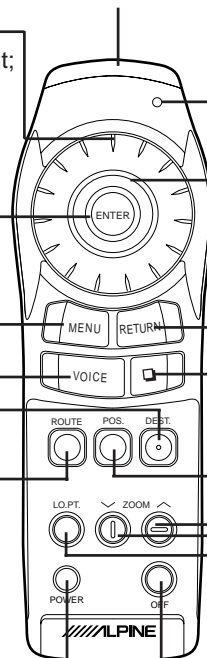
Turns the pictorial display off.

BS button

Deletes the character previously input.

Numeric Keypad

- Use these buttons to enter phone numbers, address numbers or street names containing numbers (i.e., 42nd St.).
- Please refer to the OWNER'S MANUAL (included with DVD-ROM) for software operating instructions.



- Be sure to apply the parking brake before starting the menu operation, otherwise the menu operation cannot be performed.
- If an operation is not accepted, the navigation system beeps.
- For more information on remote control handling, see Remote Control Precautions on page 13.
- Adjust the volume with the control on display monitor, etc.

Transmitting indicator

Blinks while the remote control signals are transmitted.

Joystick

Tilt this to select items from menus and moves the map in eight directions.

RETURN button

Returns the navigation system to the previous searching.

□ button

Press to switch between the map and guide (with arrow) modes.

POS. (Position) button

Returns to the current position of your vehicle or displays the latitude/longitude.

When this button is kept pressed, the screen display changes as follows:

→ North-up → Heading-up →

ZOOM buttons (v, ^)

Change the map magnification ratio upward or downward in 13 steps (400 km, 200 km, 100 km, 50 km, 25 km, 12 km, 6.4 km, 3.2 km, 1.6 km, 800 m, 400 m, 200 m, 100 m)

LO.PT. (Local Point) button

Pressing this button displays the current position of the vehicle or local interest points in the vicinity. When this button is pressed, the selection menu for the displayed local points will appear in the display.

OK button

Executes numeral inputtings and starts searching.



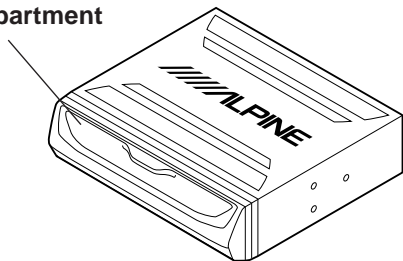
Tips

Stickers are provided with the remote control to be used by the people who speak one of the five other languages than English. To use these stickers, please see the portion for the desired language.

Before Using This System

Main unit

DVD-ROM compartment door



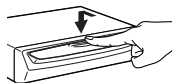
- Keep the door closed except when changing the DVD-ROM.
- Before inserting or removing the DVD-ROM, always turn the ignition key to ACC or ON. You cannot remove or insert the DVD-ROM with the ignition key turned OFF.
- Do not insert any DVD Video discs or map DVD-ROM.



Tips

Inserting the DVD-ROM

- 1 Press the door in gently then slide it downwards.**



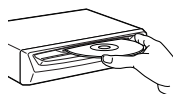
If a DVD-ROM is already in the main unit, the DVD-ROM is automatically ejected part way.

- 2 Insert the DVD-ROM with the label side facing up.**

When you insert the DVD-ROM into a certain position, it is automatically pulled into the navigation system.

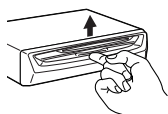


Do not touch the surface of the disc directly with your fingers.



- 3 Close the door.**

Be sure to close the door to prevent dust from getting inside.



Tips

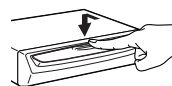
- The DVD-ROM is a delicate device. Avoid dropping or scratching it.
- Keep the DVD-ROM away from dust and moisture.

Removing the DVD-ROM

- 1 Press the door in gently then slide it downwards. The DVD-ROM is automatically ejected part way.**

If the DVD-ROM is not removed, it is automatically drawn back into the player after a while.

Caution Never close the door while the DVD-ROM is being unloaded. Doing so could scratch the DVD-ROM or damage the player.



Precautions for the remote control



- This device is lightweight and compact. Do not drop it or bump it. Do not put it in your trousers pocket. Doing so could break it, speed up battery wear, or cause malfunction.
- To clean this device, wipe it off with a dry cloth. (If it is extremely dirty, wipe it off with a damp cloth that has been carefully wrung out.) Never use benzene, paint thinner or harsh chemicals. They cause deterioration of the case and paint. Do not leave this remote control on the dashboard or anywhere else subject to direct sunlight.

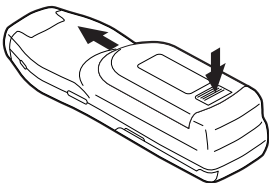
Replacing the batteries

Use two AA-type batteries.

1 Open the cover

Opening the battery cover.

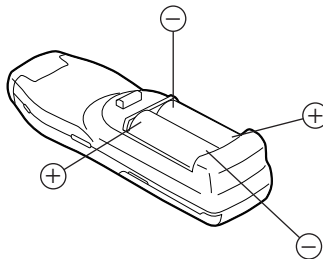
Push on the cover and slide it as indicated by the arrows then the cover will be removed.



2 Replace the batteries

Replacing the battery.

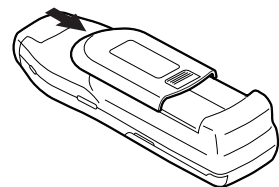
Remove the old batteries. Insert new ones matching the (+) and (-) polarities as shown in the diagram inside the remote control.



3 Close the cover

Closing the cover.

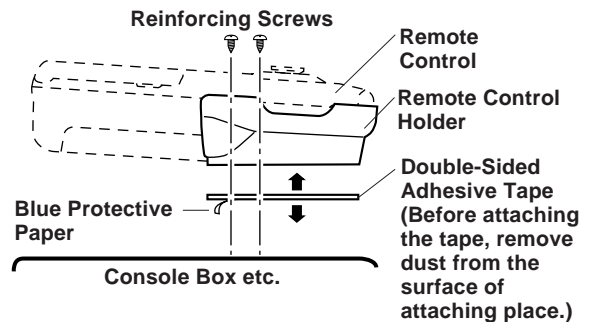
Push the cover in the arrow direction until a click is heard.



Remote Control Holder Installation

- If direct sunlight reaches the remote control mounted on the holder, remove the remote control from the holder and put it in the glove compartment.
- If double-sided adhesive tape cannot install the holder securely, use screws.

Note: Attach the blue protective paper side of double-sided tape onto the console box, etc.



Switching the display on/off

With this system, when the display monitor is set in the navigation display mode or external input display mode and the ignition key is turned to the ACC or ON positions, the opening screen will automatically appear.

1-1 When the system is used for the first time, the language selection menu is displayed. Select (highlight) the desired language by tilting the joystick. Then press the ENTER button.

Note: For English, you can select the distance indications in either M (Mile) or km (Kilometre). For other languages, only kilometer is used for the distance indications.



1-2 The opening screen is displayed. After the opening screen is displayed, important information saying "Please be sure to read this!" is displayed. Be sure to read it.



2 After you have read this important information, press the ENTER button. The map screen is displayed.



3 With the map displayed, press the OFF button to turn off the monitor.

If you press the POWER button, the opening screen is displayed.



Tips

- If there is no disc in the navigation system, "Please insert map DVD ROM" is displayed. For details on how to load the disc, see "Inserting the DVD-ROM" and "Removing the DVD-ROM" on page 12.
- If the disc cannot be read, the "DVD ROM unreadable. Please check DVD ROM" message is displayed. Try reloading the disk and if the problem cannot be cured, return to an authorized Alpine dealer.
- If the monitor is kept on with the engine off for an extended period of time, the vehicle's battery may discharge.
- Operation varies depending upon the disc version in use. For details, refer to the manual for the DVD ROM.

Reference

In case of difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.

Symptom	Cause	Solution
No operation	Blown fuse	Replace with a fuse of the prescribed rating.
	Ambient temperature over 50°C	Lower the temperature in the vehicle below 50°C, for example by running for a while with the window open or by using the air conditioner.
	Moisture condensation	Allow enough time for the condensation to evaporate (about 1 hour).
The present car position cannot be measured correctly.	The car position changed after the ignition was switched off. <ul style="list-style-type: none">• Movement on a ferry boat• Rotation of a parking lot turntable• Movement by tow truck	Drive for a while with GPS signal reception.
The measurement error is too large.	Poor satellite configuration	Move to a location where GPS satellite reception is easy. (See page 9.)
	Measurement is 2 dimensional.	
Screen not displayed	The navigation screen is off.	Press the POWER button on the remote control.
Cannot read disc is displayed for a certain operation.	The disc is dirty.	Clean the disc.
	The pickup lens is dirty.	Have the pickup lens cleaned periodically.
Unstable operation	The remote control batteries are wearing out.	Replace the remote control batteries. (See page 13.)

If this message appears

Various messages are displayed on the screen during operation. In addition to the messages telling you the current status or providing guidance for the next operation, there are also the following error messages. If one of these error messages is displayed, carefully follow the instructions in the solution column.

Message	Cause	Solution
Please insert map DVD ROM.	<ul style="list-style-type: none"> The disc has been removed. There was no disc in the system when the power was switched on. 	Insert the disc (sold separately).
DVD ROM unreadable. Please check DVD ROM.	<ul style="list-style-type: none"> A disc that this system cannot read has been loaded. The disc is dirty or upside down. The disc cannot be read because of condensation. 	<p>Insert the map disc (sold separately).</p> <p>Take out the disc, check if it was upside down, clean it if necessary, then re-insert it.</p> <p>Take out the disc, allow enough time for the condensation to evaporate (about 1 hour), then re-insert the disc.</p>
DVD ROM being checked.	<ul style="list-style-type: none"> A disc was just inserted Vibration or the like made it impossible to read the disc. 	When the disc check is complete, the following screen is displayed automatically.
Do not operate while driving. Stop the car, then use this operation.	<ul style="list-style-type: none"> The MENU button was pressed while the vehicle was running. A menu selection operation was carried out while the vehicle was running. 	Move the vehicle to a safe location, stop, and engage the parking brake, then carry out this operation.

Specifications

Power requirement	14.4 VDC (11 – 16 V allowable) negative ground	
Operating temperature (main unit)	+14°F to +122°F (–10°C to +50°C)	
Aerial type	Micro-strip planar aerial	
Reception frequency	1575.42±1 MHz	
Reception sensitivity	–130 dB max.	
Reception method	Parallel 8 channels	
External dimensions	Navigation unit (W × H × D)	7 ^{–3} / ₄ (196) × 2 (50) × 7 ^{–9} / ₁₆ " (191.5 mm)
	Remote controller (W × H × D)	1 ^{–3} / ₄ (45) × 1 ^{–3} / ₄ (45) × 5 ^{–1} / ₄ " (135 mm)
Weight	Navigation unit	3 lbs. 12 oz (1.7 kg)
	Remote controller	2.5 oz (0.07 kg)

Accessories

Product	Q'ty	Product	Q'ty
Installation parts	1 set	Power connector	1
Aerial	1 set	13-P RGB extension cable	1
Remote control	1 set	Owner's manual, audiopass, etc.	1 set
Batteries (AA)	2		



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Voice Navigation System

NVE-N077P

Guide for Installation and Connections

English

Guide d'installation et de connexion

Français

Guía de instalación y conexiones

Español

Installations- und Anschlußanleitung

Deutsch

Guida all'installazione e al collegamento

Italiano

Handleiding voor installatie en aansluiting

Nederlands

PRECAUTIONS



■ GUIDE FOR INSTALLATION AND CONNECTIONS FOR AUTHORIZED ALPINE DEALERS

- Please read this GUIDE FOR INSTALLATION AND CONNECTIONS FOR AUTHORIZED ALPINE DEALERS and the OWNER'S MANUAL thoroughly to familiarize yourself with each control and function. We at ALPINE hope that your new NVE-N077P will give you many years of enjoyment.

In case of problems when installing your unit, please contact your authorized ALPINE dealer.

Points to Observe for Safe Usage

- For safe operation of this system, please read this manual carefully. We cannot be responsible for problems resulting from failure to observe the instructions in this manual.
- Pictorial displays are used to point out safety tips to prevent harm to yourself or others and property damage. Here is what these pictorial displays mean. Knowing them is important to understand this manual.
- **Meaning of displays**

 Warning	This symbol means important instructions. Failure to heed them can result in serious injury or death.
 Caution	This symbol means important instructions. Failure to heed them can result in injury or material property damage.

Warning

DO NOT DISASSEMBLE OR ALTER. Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BATTERY OUT OF THE REACH OF CHILDREN. Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES. Failure to do so may result in fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND. (Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, shift lever, brake pedals, etc. can be extremely hazardous.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

DO NOT INSTALL THE MONITOR NEAR THE PASSENGER SEAT AIR BAG.

If the unit is not installed correctly the air bag may not function correctly and when triggered the air bag may cause the monitor to spring upwards causing an accident and injuries.

MAKE THE CORRECT CONNECTIONS. Failure to make the proper connections may result in fire or product damage.

Caution

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE. Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS. The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY. Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST. Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

Precautions

IMPORTANT

Please record the serial number of your unit in the space provided on the back cover of Owner's Manual and keep it as a permanent record. The serial number plate is located on the bottom of the unit.

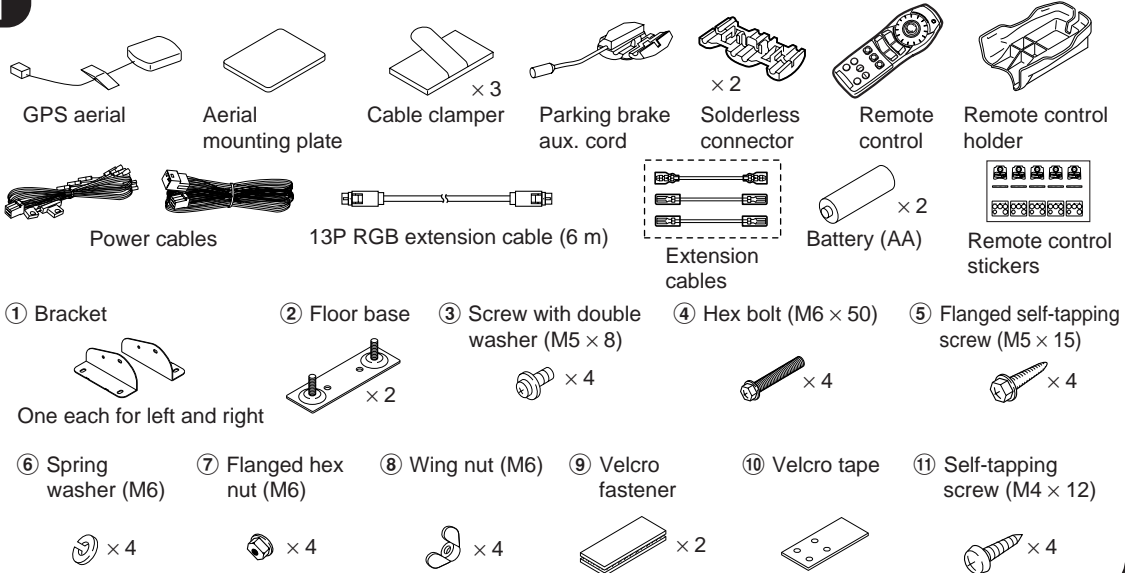
- For installation of the main unit, avoid areas with a high incidence of dust or moisture. Installing the unit in such locations may result in contamination of the DVD ROM making it unreadable.
- Do not install the navigation system near a CD player that may interfere with GPS signal reception.
- The optimum locations for installing the GPS aerial are:
 - on the dashboard where no metal piece (such as the defogger wire or aerial wire) is located on the windshield.
 - where no metal cover is located.
- Route the Speed Pulse Sensor cable away from the audio cables in order to avoid picking up noises.

Contents

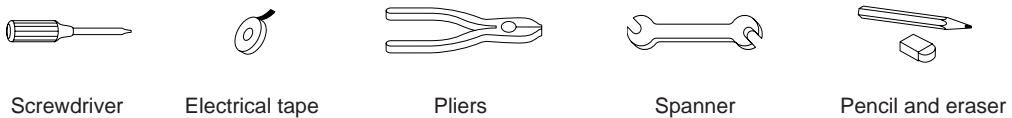
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1. Preparation

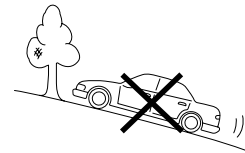
1 Check accessory parts.



2 Prepare tools and mounting information.



3 Park the vehicle in a safe and level location.



4 Apply the brake and remove the ignition key.

5 Mount the aerial on the roof.

Clean dust and oil at the mounting location and mount the aerial.

Notes:

- The magnet of the aerial is very strong. Proceed cautiously to prevent any damage to the vehicle's body. Keep the magnet away from articles susceptible to magnetic fields such as credit cards, watches, etc.
- Do not paint the aerial. Reception sensitivity may be decreased.

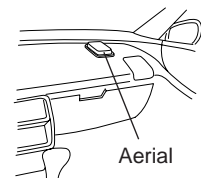


Mounting the aerial inside the vehicle.

1. Clean the mounting location.
2. Put on the aerial mounting plate.
3. Mount the aerial.

Notes:

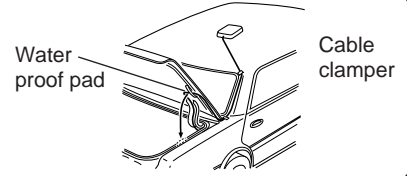
- Mount the aerial on a flat plane of the dash board or rear tray.
- Some thermal reflection type or thermal absorption type glass may interrupt high frequency waves. If reception is poor with the aerial installed inside the car, try to mount the aerial outside the car.



6

Routing the aerial cable.

1. Route the cable using the provided cable clampers to take up the cable's slack.
2. Use the waterproof pad when running the cable under the vehicle's rubber gasket.
3. Attach the cable at several points using the remaining cable clampers.



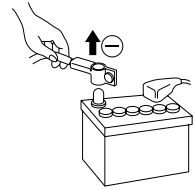
2. Connections

1

Disconnect the battery (-) terminal.

Note:

Some vehicles contain a vehicle control computer etc. in this case, contents of the computer memory may be erased when the battery (-) lead is disconnected.



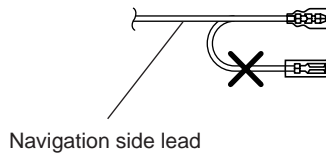
2

Cut terminal leads as required, and attach the solderless connectors to the leads.

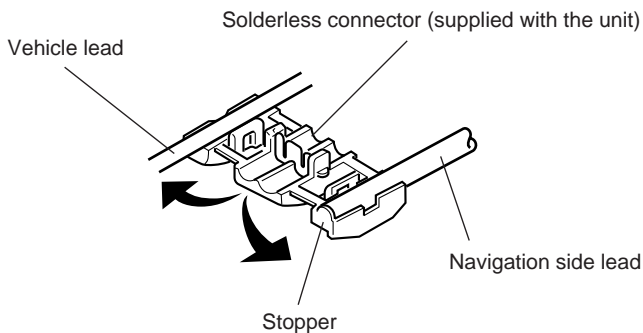
Note:

For leads which need branching to the speed sensor, dimmer, parking brake, etc., use the solderless connectors.

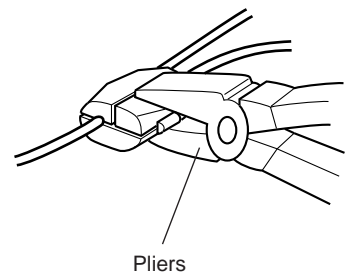
Preparation



1



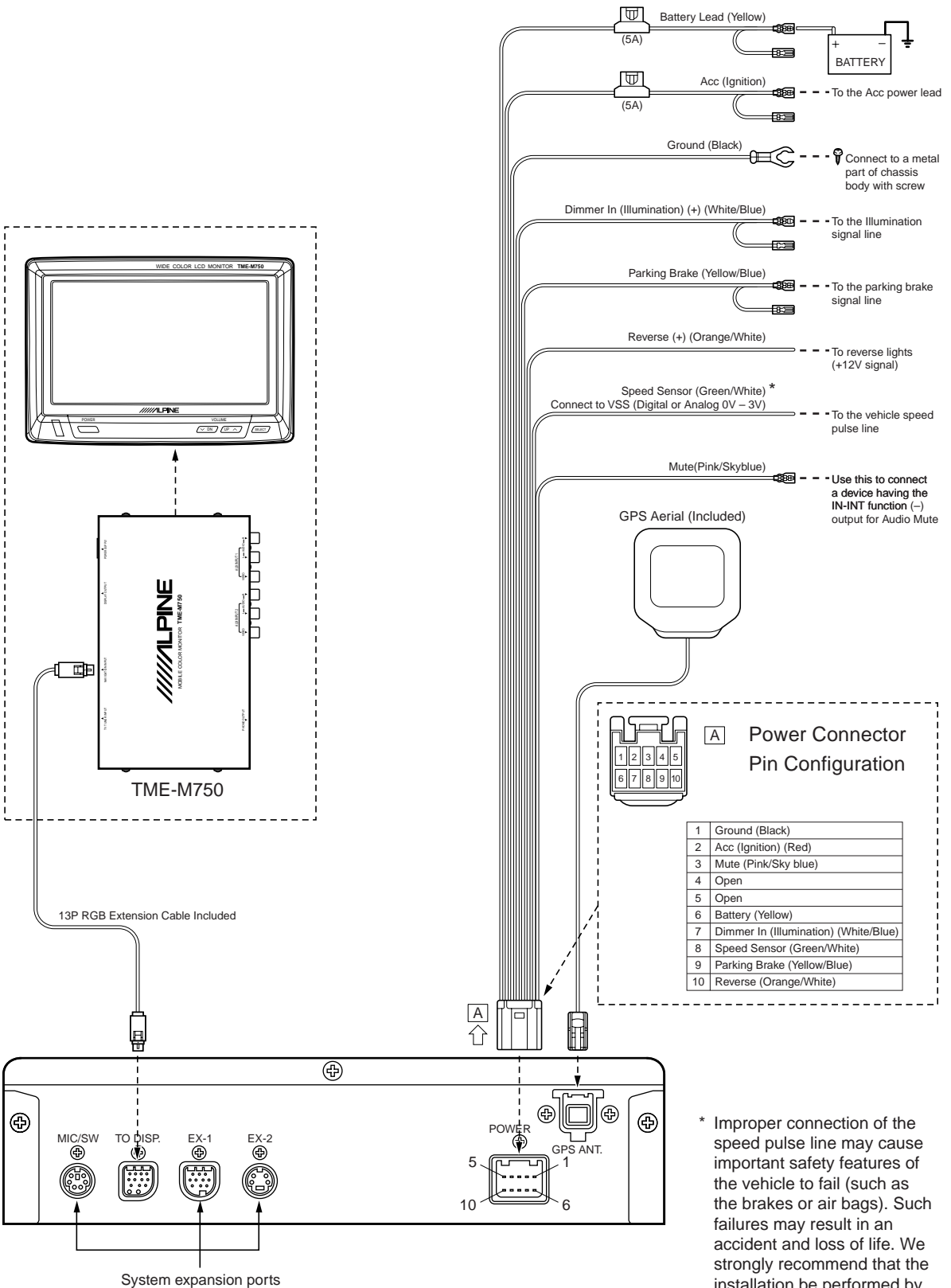
2



3

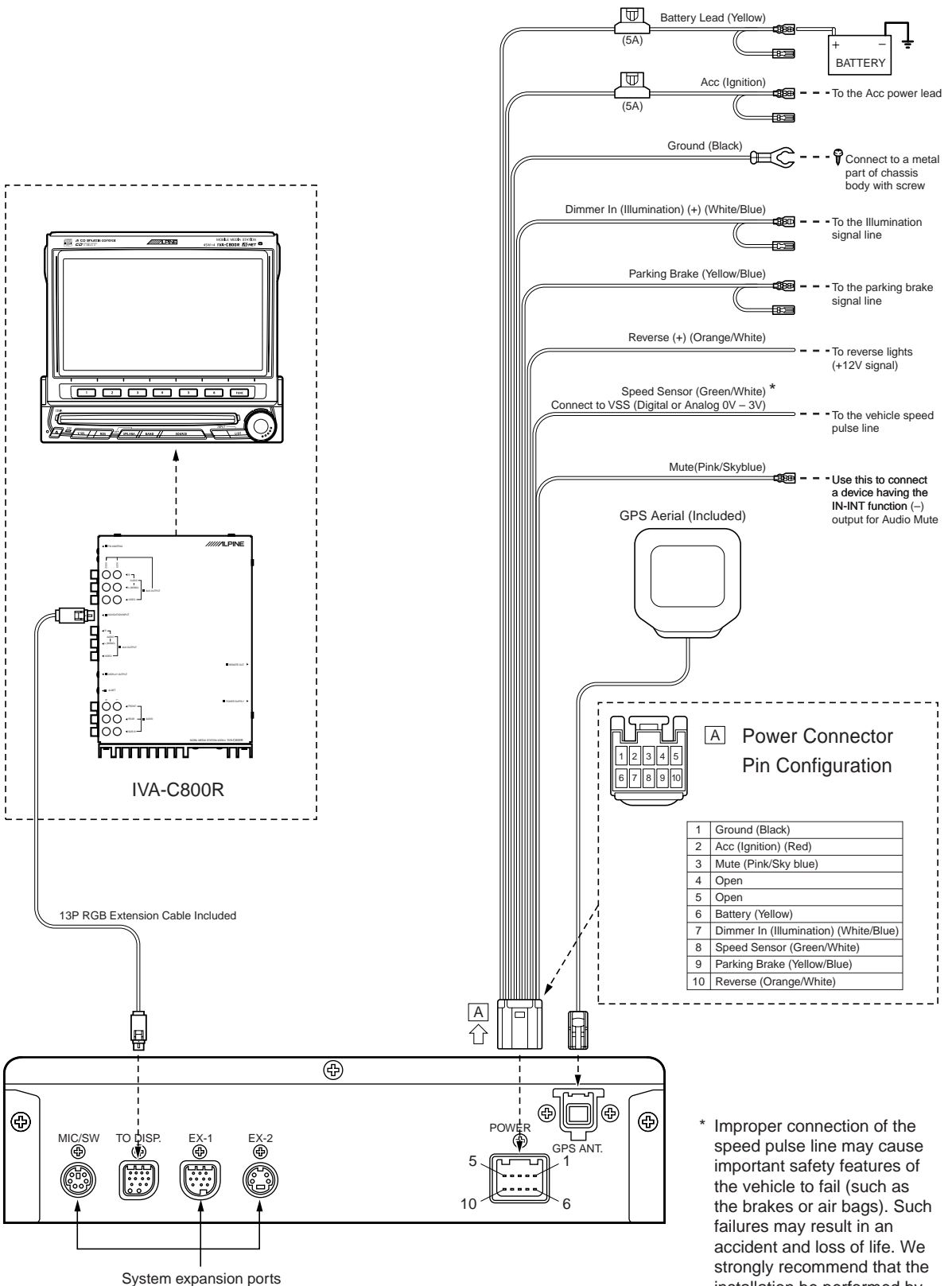
How to Connect

3-1. NVE-N077P Wiring Diagram With TME-M750

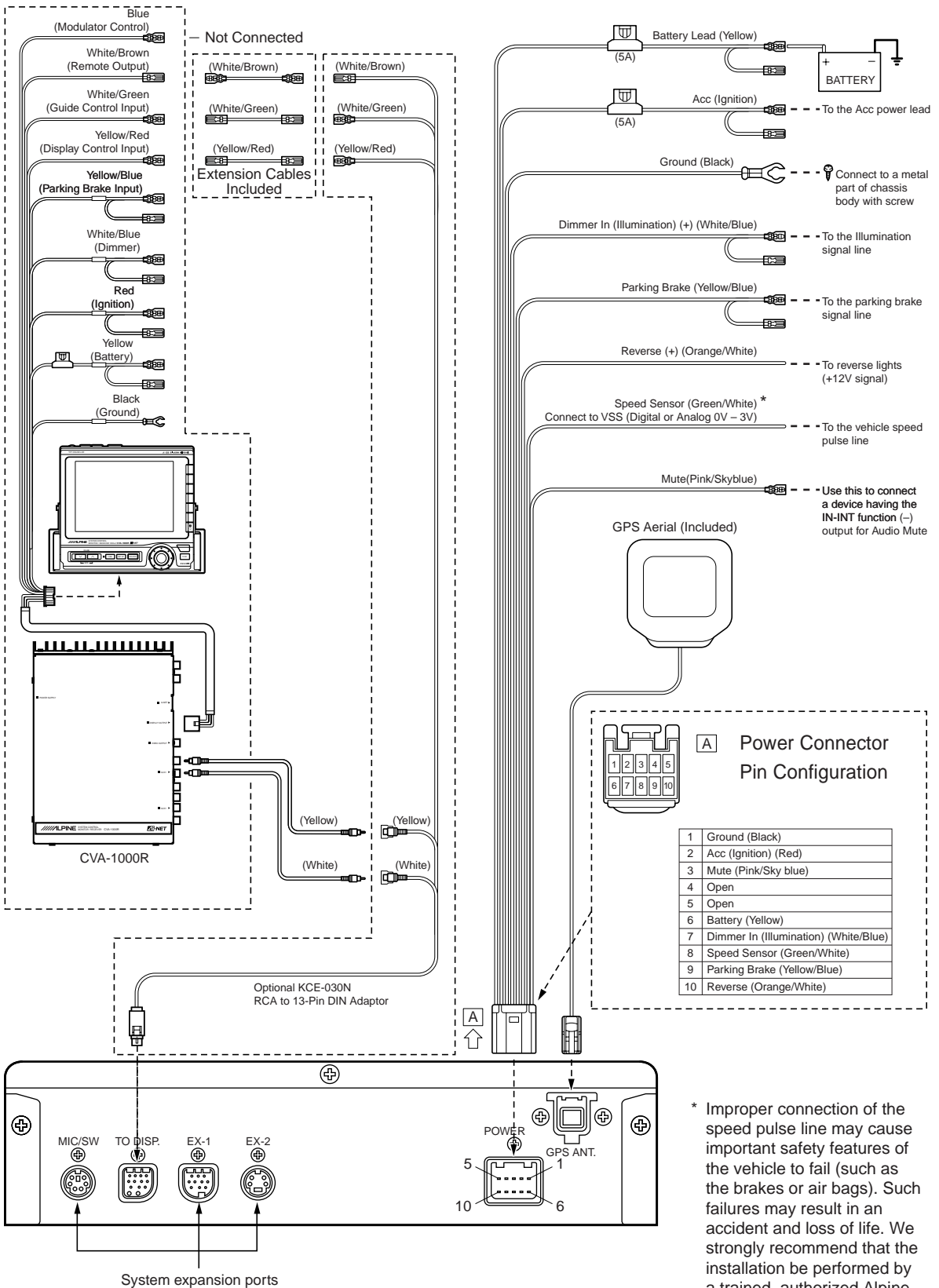


* Improper connection of the speed pulse line may cause important safety features of the vehicle to fail (such as the brakes or air bags). Such failures may result in an accident and loss of life. We strongly recommend that the installation be performed by a trained, authorized Alpine dealer.

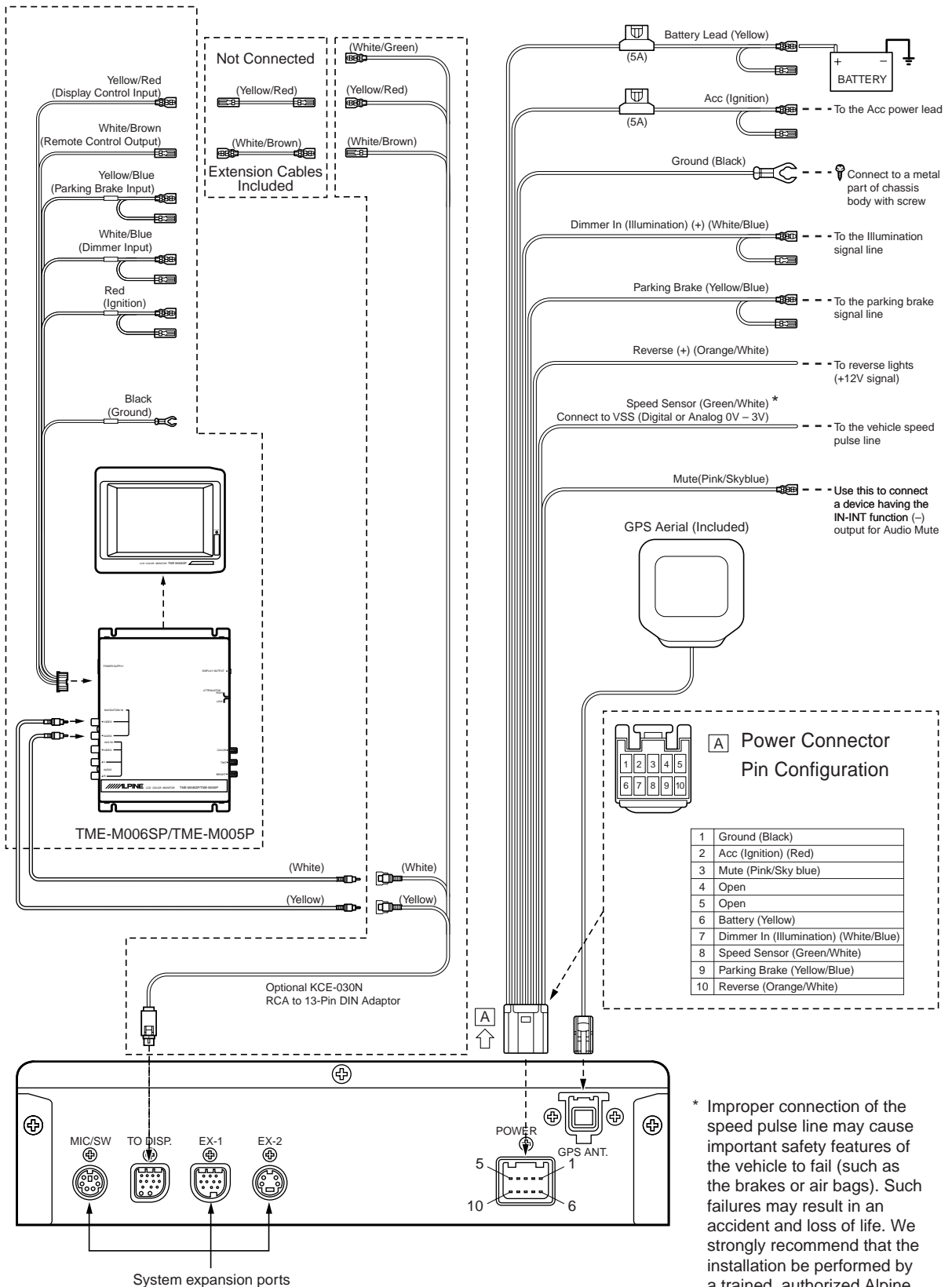
3-2. NVE-N077P Wiring Diagram With IVA-C800R/IVA-M700R/CVA-1005R



3-3. NVE-N077P Wiring Diagram With CVA-1000R

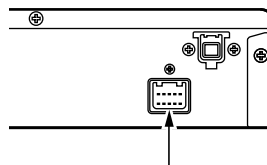
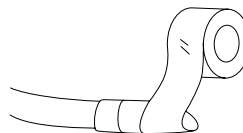


3-4. NVE-N077P Wiring Diagram With TME-M006SP/TME-M005P



4**Connect the power lead to this unit.**

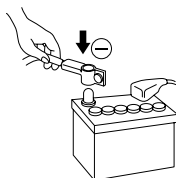
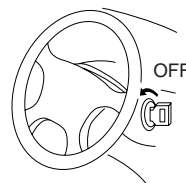
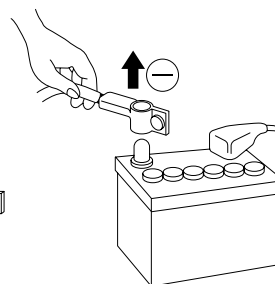
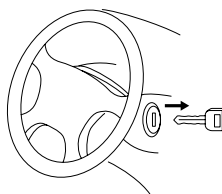
Insert until a click sound is heard.

**5****Wrap electrical tape around end of leads not used.****6****Connect the battery (-) terminal and turn the ignition key to the ACC or ON position. Check to see if operation can be performed properly.**

(Is the power turned on? Is the illumination turned on?)

You can check the language selection menu with the monitor. (Refer to the Owner's Manual for details.)

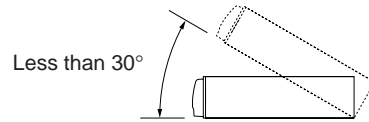
Go to step 7 after checking is completed.

**7****Turn the ignition key to the OFF position to turn off the power after completion of the check.****8****Pull out the ignition key and remove the battery terminal (-) again to begin installation procedure.**

3. Mounting

Note:

The main unit must be mounted within ± 5 degrees of the horizontal plane, left to right, and 30 degrees of the horizontal plane, back to front.



● When mounting using Velcro fastener

1

Place Velcro fasteners.

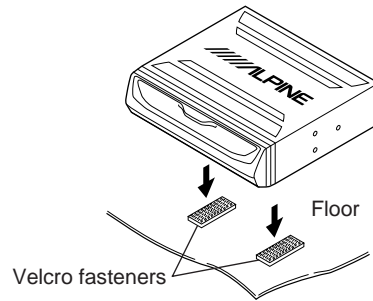
Place two pieces of Velcro fasteners onto the mounting surface. The rough side should be facing the navigation unit.

2

Press the Navigation unit onto the Velcro fastener at the mounting position.

Remove the backing to the adhesive on the Velcro strips. Press the Navigation unit onto the mounting location.

Continued to **5** Securing leads, etc.



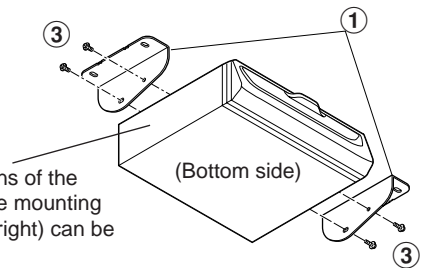
● When mounting on the rear tray

1

Mount the brackets **1** on the unit.

Mount the brackets at both sides of the unit with screws with double washer (M5x8) **3**.

Depending on the locations of the mounting screw holes, the mounting brackets (for the left and right) can be used on either side.

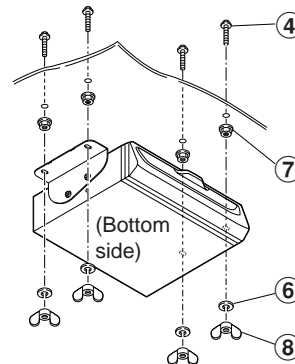


2

Attach the unit on the rear tray.

Attach the unit securely with hex bolts (M6x50) **4**, flanged hex nuts (M6) **7**, spring washers (M6) **6**, and wing nuts (M6) **8**.

Continued to **5** Securing leads, etc.

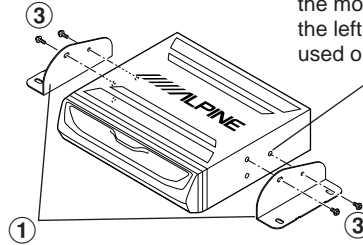


● When mounting the unit directly on the floor

1

Mount the brackets ① on the unit.

Mount the brackets at both sides of the unit with screws with double washer (M5×8) ③.



Depending on the locations of the mounting screw holes, the mounting brackets (for the left and right) can be used on either side.

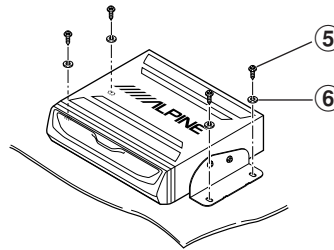
2

Mount the unit on the floor.

Mount the unit on the floor with flanged self-tapping screws (M5×15) ⑤ and spring washers (M6) ⑥.

Warning: Do not damage pipe or wiring when drilling holes.

Continued to 5 Securing leads, etc.

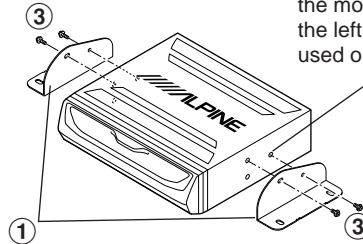


● When mounting with floor base brackets

1

Mount the brackets ①.

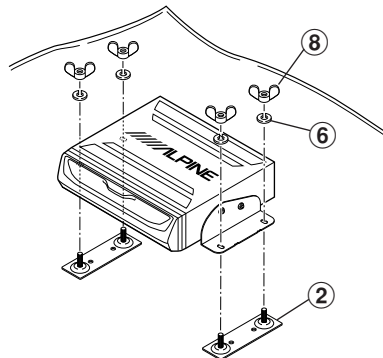
Mount the brackets ① at both sides of the unit with screws with double washer (M5×8) ③.



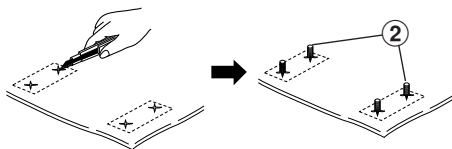
Depending on the locations of the mounting screw holes, the mounting brackets (for the left and right) can be used on either side.

2

Determine mounting position of the floor bases ② for placement under the carpet.

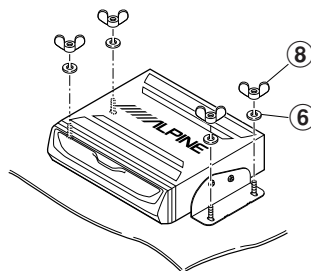


- 3** Cut the carpet in "x" shape with a cutter and insert the floor bases (2) from under side of the carpet.



- 4** Mount the unit on the carpet with spring washers (M6) (6) and wing nuts (M6) (8).

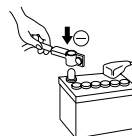
Continued to **5** Securing leads, etc.



- 5** Securing leads, etc.

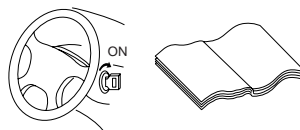
Take care wiring leads are not jammed by moving parts such as seat rail etc. and not damaged by touching protruded objects.

- 6** Connect the battery (-) terminal.

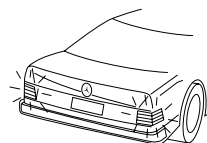


4. Confirmation

- 1** Turn on the engine key. Make sure the unit is operating correctly by referring to the Owner's Manual.

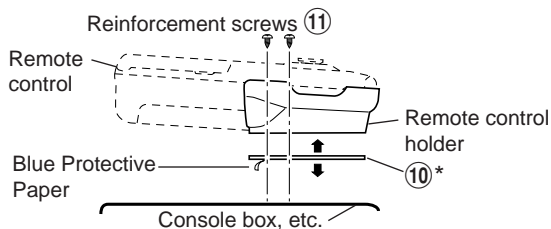


- 2** Make sure the electrical components attached on the vehicle such as the brake lamp, stop lamp, etc. work correctly.



● **Remote control holder mounting method**

- If the remote control is in direct sunlight, remove it from the holder and keep it in the glove box.
- When the holder cannot be mounted securely with double-sided adhesive tape (10), mount it by using screws (11).



* Double-sided adhesive tape. (Before putting on the holder, clean dirt on the mounting location.)