



**Manual abstract:**

We at ALPINE hope that your new MRV-F505/MRV-F405/MRV-F305 will give you many years of listening enjoyment. In case of problems when installing your MRV-F505/MRV-F405/MRV-F305, please contact your authorized ALPINE dealer. CAUTION: These controls are for tuning your system. Always disconnect the cable from the (A) negative pole of the battery before connecting or disconnecting the MRV-F505/MRV-F405/MRV-F305. This will prevent the possibility of short circuits. When replacing a blown fuse make sure to replace it with one of the same value. Be sure to connect the color coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system. be sure to connect the speaker (A) leads to the speaker (A) terminal. Never connect left and right channel speaker cables to each other or to the vehicle body.

This unit is designed for 12 VDC, negative ground systems. Make sure that your vehicle has this type of electrical system before connecting the power cable. When making connections to the car's electrical system, be aware of the factory installed components (e. Do not tap into these leads to provide power for this unit. @@ Failure to do so may result in damage to the unit and/or the vehicle.

When in doubt, consult your ALPINE dealer. @@ You may need an adaptor to connect other units. if so , please contact your authorized ALPINE dealer for assistance. @@@@ b) Operation of brake lamps , horn etc. Are proper with the ignition ON.

OWNER'S MANUAL Please read this manual to maximize your enjoyment of the outstanding performance and feature capabilities of the equipment, then retain the manual for future reference. X For European Customers Should you have any questions about warranty, please consult your store of purchase. X

For Customers in other Countries IMPORTANT NOTICE Customers who purchase the product with which this notice is packaged, and who make this purchase in countries other than the United States of America and Canada, please contact your dealer for information regarding warranty coverage. 0V, 20 Hz to 20 kHz) Per channel into 4 ohms 50W 40W Per channel into 2 ohms Bridged into 4 ohms 65W 130W 0. 4V, 20 Hz to 20 kHz) Per channel into 4 ohms 75W 60W Per channel into 2 ohms Bridged into 4 ohms EIAJ Max. power (at 14. 4V) Per channel into 4 ohms Bridged into 4 ohms Frequency Response Signal-to-Noise Ratio Slew factor Input Sensitivity (for rated power output) Input Impedance Speaker Impedance Active Dividing Network Frequency and Slope Power Requirement 100W 200W 0. 9 oz) NOTE: For product improvement, specifications and design are subject to change without notice. Due to the high power output of the MRV-F505/MRV-F405/MRV-F305, considerable heat is produced when the amplifier is in operation. For this reason, the amplifier should be mounted in a location which will allow for free circulation of air, such as inside the trunk.

Using the amplifier as a template, mark the four screw locations. 2. Make sure there are no objects behind the surface that may become damaged during drilling. Position the MRV-F505/MRV-F405/MRV-F305 over the screw holes, and secure with four selftapping screws. NOTE: To securely connect the ground lead, use an already installed screw on the metal part of the vehicle (marked (5)). Be sure this is a good ground by checking continuity to the battery (A) terminal. As much as possible connect all equipment to the same ground point. Before making connections, be sure to turn the power off to all audio components. Connect the yellow battery lead from the amp directly to the positive (+) terminal of the vehicle's battery. Do not connect this lead to the fuse block.

Locate the unit and route the leads at least 10 cm away from the car harness. â· Keep the battery power leads as far away from other leads as possible. Make sure this spot is free from dirt, grease or paint to insure a good connection. â· If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various noise suppressors, contact them for further information.

â· Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information. 1 , 2 RCA Input Jacks (CH3/4), (CH1/2) Connect these jacks to the line out leads on your head unit using RCA extension cables (sold separately). @@@@ Be sure to observe correct speaker output connections and phasing. @@ Do not connect this lead to the vehicle's chassis ground. NOTE: Do not connect speaker leads together or to chassis ground.

@@ n , r Crossover Frequency Adjustment Knob When the frequency multiplication switch is set to the "X1" position , the crossover frequency can be adjusted in the range of 50 to 400Hz. When the frequency multiplication switch is set to the "X20" position, the crossover frequency can be adjusted in the range of 1k to 8 kHz. O , q Crossover Frequency Adjustment Knob Permits adjustment of the crossover frequency, by rotating the knob to select any frequency between 50 to 400 Hz as the crossover point. p , s Input Gain Adjustment Control Set the MRV-F505/MRV-F405/MRV-F305 input gain knobs to the minimum (4V) position. Using a loud cassette or preferably a CD as a source, slowly turn up the head unit volume until you just hear the sound distort. At that point, reduce the volume one step so the distortion is no longer audible. Keep head unit output at this level and begin increasing the amplifier gain until the maximum output level you desire is reached. To prevent damage to the speakers or amplifier, the maximum output level should not cause bottoming of the speakers or excessive distortion of the amplifier. E , i Crossover Mode Selector Switch a) Set to the "ON" position when the amplifier is used to drive a subwoofer. the frequencies above the crossover OFF ON point will be attenuated at 12 dB/octave.

B) Set to the "OFF" position when the amplifier will be used for driving fullrange speakers. The full frequency OFF ON bandwidth will be output to the speakers with no high or low frequency attenuation. 5 When adjusting the knobs n Â s , remove two hexagon screws by using the hexagon wrench (M2) included and remove the cover. G , j Crossover Mode Selector Switch a) Set to the "ON" position when the amplifier is used to drive a tweeter/ midrange system. the frequencies OFF ON below the crossover point will be attenuated at 12 dB/octave. B) Set to the "OFF" position when the amplifier will be used for driving fullrange speakers. The full frequency OFF ON bandwidth will be output to the speakers with no high or low frequency attenuation. H Input Mode Selector Switch a) Set to the "ST" position (center) when the two channels are used in stereo. the CH-3 (or CH-4) input will output at 3 ST 3+4 the Speaker Output Terminal CH-3 (or CH-4).



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B) Set to the "3" position when the two channels are used for one channel of a stereo bridged system.

@@Please check your head unit for the conditions listed below: (Fig. 3) a. The head unit does not have a remote turn-on or power antenna lead. b. @@ c. @@@@Be sure to use a 3A fuse as close as possible to this ignition tap. Using this connection method, the MRV-F505/MRV-F405/MRV-F305 will turn on and stay on as long as the ignition switch is on. If this is objectionable, a SPST (Single Pole, Single Throw) switch, in addition to the 3A fuse mentioned above, may be installed in-line on the MRV-F505/MRV-F405/MRV-F305 turn-on lead. This switch will then be used to turn on (and off) the MRV-F505/MRV-F405/MRV-F305. Therefore, the switch should be mounted so that is accessible by the driver.

Make sure the switch is turned off when the vehicle is not running. Otherwise, the amplifier will remain on and drain the battery. 1 Remote Turn-On Lead 2 Power Antenna 3 Blue/White Wire 4 To other Alpine components' Remote Turn-On Leads 5 SPST Switch (optional) 6 Fuse (3A) 7 As close as possible to the vehicle's ignition tap 8 Ignition Source .



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