

# **RVA JACKS**

## OPERATING INSTRUCTIONS MODEL JII LEVELING SYSTEM

**IMPORTANT:** ALWAYS VISUALLY CHECK TO MAKE SURE JACKS ARE UP BEFORE DRIVING OR MOVING VEHICLE.

1. The motorhome should be in parking gear during the operation of this system. The ignition key should be in accessory or ignition position.
2. Turn on the JII Leveling System by pressing the rocker switch to "ON". The green light will indicate the system is ready. If the light does not turn on, check the ignition switch or the 15 AMP fuse powering the JII controller unit.
3. Press any one of the EXTEND rocker switches. LEFT switch will control the left rear, FRONT switch will control the front center, and RIGHT switch will control the right rear. The pump motor will turn on and the respective jack will extend. All three switches can be pressed at one time if desired.
4. As the jacks extend downward, the WARNING light will start blinking and the bong alarm will start sounding. This alarm will also come on if the JII System is turned off but the jacks are down when the ignition key is turned on.
5. Extend the LEFT, FRONT, or RIGHT jack until it touches the ground and raises the motorhome to the desired level. If any jack is extended too far, press RETRACT to lower.
6. If you need to lift the right or left front side of your motorhome, use both the front jack and the one corresponding right or left rear jack.
7. If additional lift is needed a 2 x 8 x 8 block can be placed under the jack pad.
8. When the motorhome is level, turn off the power and the ignition key. All the lights on the leveling system panel should be off.

**NOTE:** If you wish to set your jacks to retract the next time the ignition is turned on (as a reminder that your jacks are down and to help prevent accidental damage to the jacks from a "drive-off"), simply press and leave the RETRACT-ALL switch down after the ignition is turned off. The next time the ignition is turned on, the jacks will retract.

**RVA** COMPANY  
320 N. Market Place  
Escondido, California 92029

# RVA JACKS

## OPERATING INSTRUCTIONS MODEL JII LEVELING SYSTEM

Page 2 of 3

9. To retract all jacks, turn on the ignition key, press RETRACT-ALL. This rocker switch is the bottom section of the ON switch. The amber light will start to flash and all the jacks will start to retract. This switch is electronically timed and will remain on for approximately four minutes. If the retract operation needs to be stopped, just turn off. The green light will remain on until the power switch is turned off.
10. Before driving, wait until all jacks are up. The flashing red light and the bong alarm will turn off when all the jacks are up within 6" of full retraction. **BEFORE DRIVING OR MOVING THE VEHICLE, ALL LIGHTS ON THE CONTROL PANEL MUST BE OFF**
11. The EXTEND and RETRACT rocker switches will operate at a minimum of 7.5 volts. The RETRACT-ALL rocker switch will operate best above 9.5 volts. If the motorhome battery is low and below 9.6 volts, you may retract the jacks by using the three RETRACT rocker switches. In the event that all power is disabled, the jacks if extended, can still be retracted. Your emergency drain valves are located somewhere outside the motorhome. Contact your dealer, installer, or manufacturer for this location.

### IMPORTANT NOTES

1. Your unit is equipped with a warning device to indicate the position of your jacks. The pulsating red light and bong alarm will come on when any jack is extended to more than 2" to 6" from full retracted position. This device will also indicate low fluid level. **SEE NOTE #3 FOR FILLING INSTRUCTIONS.**
2. Learn the sounds of a normal pump as jacks extend, the relief valve as jacks extend fully, and the gurgling sound of the pump when the unit is low on fluid. If necessary to add fluid, use regular transmission fluid (Dexron).
3. If it is necessary to fill with additional fluid, start by extending any jack 6" from fully retracted position (other jacks should be fully retracted). Unscrew reservoir cap from top of pump, fill with fluid until red light and bong turn off, then stop adding fluid and replace cap.

**RVA** COMPANY  
320 N. Market Place  
Escondido, California 92029

## OPERATING INSTRUCTIONS MODEL JII LEVELING SYSTEM

Page 3 of 3

4. Do not attempt to level on an extremely unlevel surface. This might cause damage to jacks.
5. When jacks are fully extended, occasionally wipe dirt from the jack rod. This will help lengthen life of jack. WD-40 will serve as a solvent as well as a lubricant.
6. Some oil or grease on the extended jack ram is normal and aids in lubrication of the ram.
7. If a component of the hydraulic system has been removed and replaced (such as a jack, pump, valve assembly, etc.) air will probably have been introduced into the system. In order for the system to work properly, each jack must be fully extended and retracted at least twice to remove all air (self-bleeding operation).

Additional air can also be trapped in the manual emergency release valves located on the valve manifold. With the jacks fully extended, open the manual emergency release valves to bleed out the trapped air. This will retract the jacks at the same time. Close the valve handles. After this bleeding operation, the liquid level might need to be reset. See note #3.

8. A majority of the fittings in the hydraulic system are pipe threads. At the factory all male pipe threads are wrapped with at least three turns of teflon tape, except for the first thread at the tip of the fitting. A small amount of grease is applied to the untefloned tip of the fitting and to the mating female thread. The above procedure insures proper sealing and prevention of teflon tape entering into the hydraulic system. If a fitting is removed, residual teflon tape must be removed from both the male and mating female threads if they are to be reassembled. A maximum practical amount of filtration has been incorporated into the system to prevent dirt from contaminating the operation and sealing of the valves. A great amount of care should also be exercised to maintain cleanliness when assembling components.
9. If you block under a jack, only one jack should be blocked at any time. Do not block more than one jack at a time. If you are blocking the jack pad of one of the rear jacks and you are on a slope, the opposite set of rear tires must first be blocked to prevent rolling. If you are going to change a tire or go under the motorhome, the chassis frame must first be supported with appropriately rated jack stands.

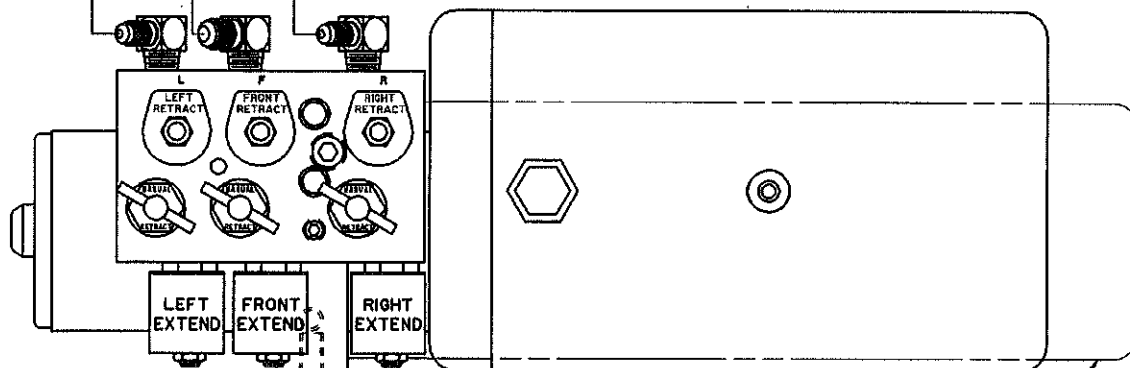
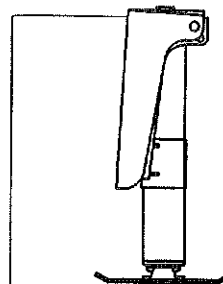
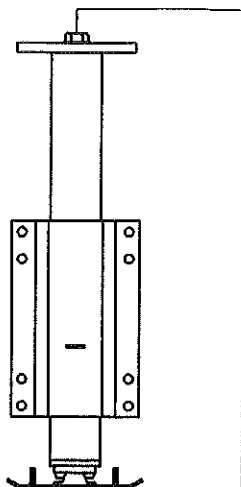
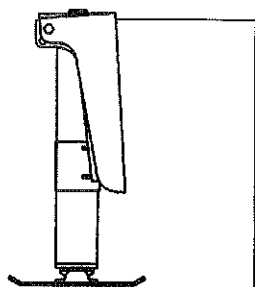
**RVA** COMPANY  
320 N. Market Place  
Escondido, California 92029

# RVA JACKS

LEFT REAR JACK

FRONT JACK

RIGHT REAR JACK

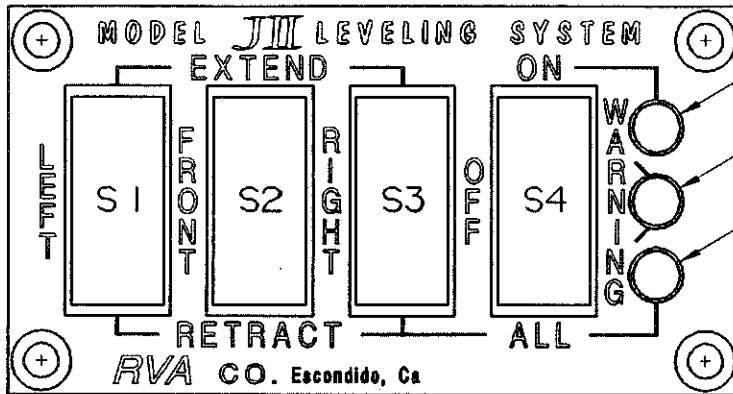


4 QUART RESERVOIR CONFIGURATION

HYDRAULIC LINE DIAGRAM  
MODEL JII

**RVA** COMPANY  
320 N. Market Place  
Escondido, California 92029

# RVA JACKS



- GREEN LIGHT INDICATES POWER ON
- RED FLASHING LIGHT INDICATES JACKS LOWERED OR LOW ON HYDRAULIC FLUID
- AMBER FLASHING LIGHT INDICATES ALL JACKS ARE RETRACTING

S1 LEFT JACK EXTENDING  
 S2 FRONT JACK EXTENDING  
 S3 RIGHT JACK EXTENDING

} UPPER POSITION OF ROCKER SWITCH

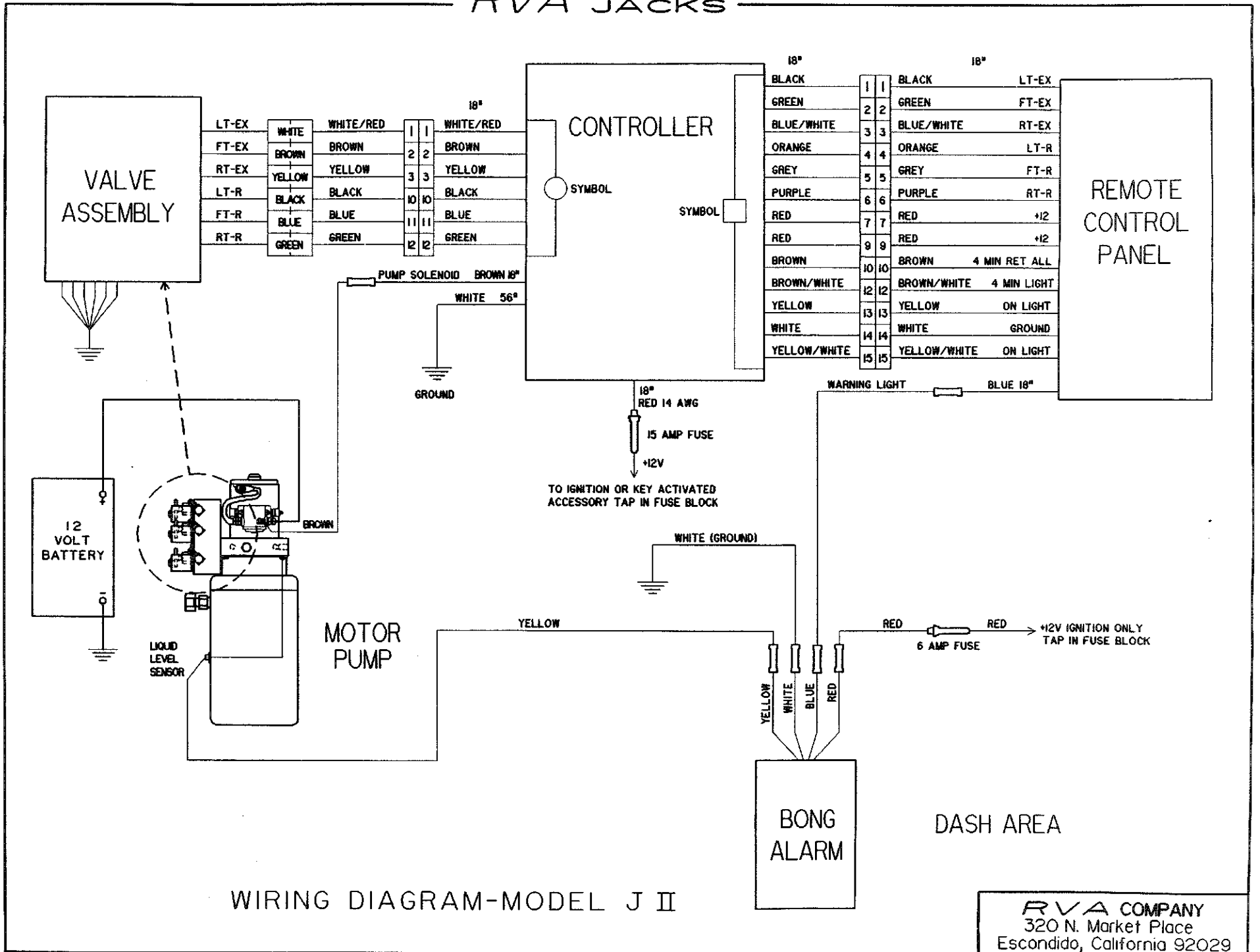
S1 LEFT JACK RETRACTING  
 S2 FRONT JACK RETRACTING  
 S3 RIGHT JACK RETRACTING

} BOTTOM POSITION OF ROCKER SWITCH

S4 POWER ON, UPPER POSITION OF ROCKER SWITCH - OBSERVE GREEN LIGHT  
 S4 ALL JACKS RETRACT, LOWER POSITION OF ROCKER SWITCH - OBSERVE FLASHING AMBER LIGHT WHICH WILL FLASH FOR APPROXIMATELY FOUR MINUTES

**RVA COMPANY**  
 320 N. Market Place  
 Escondido, California 92029

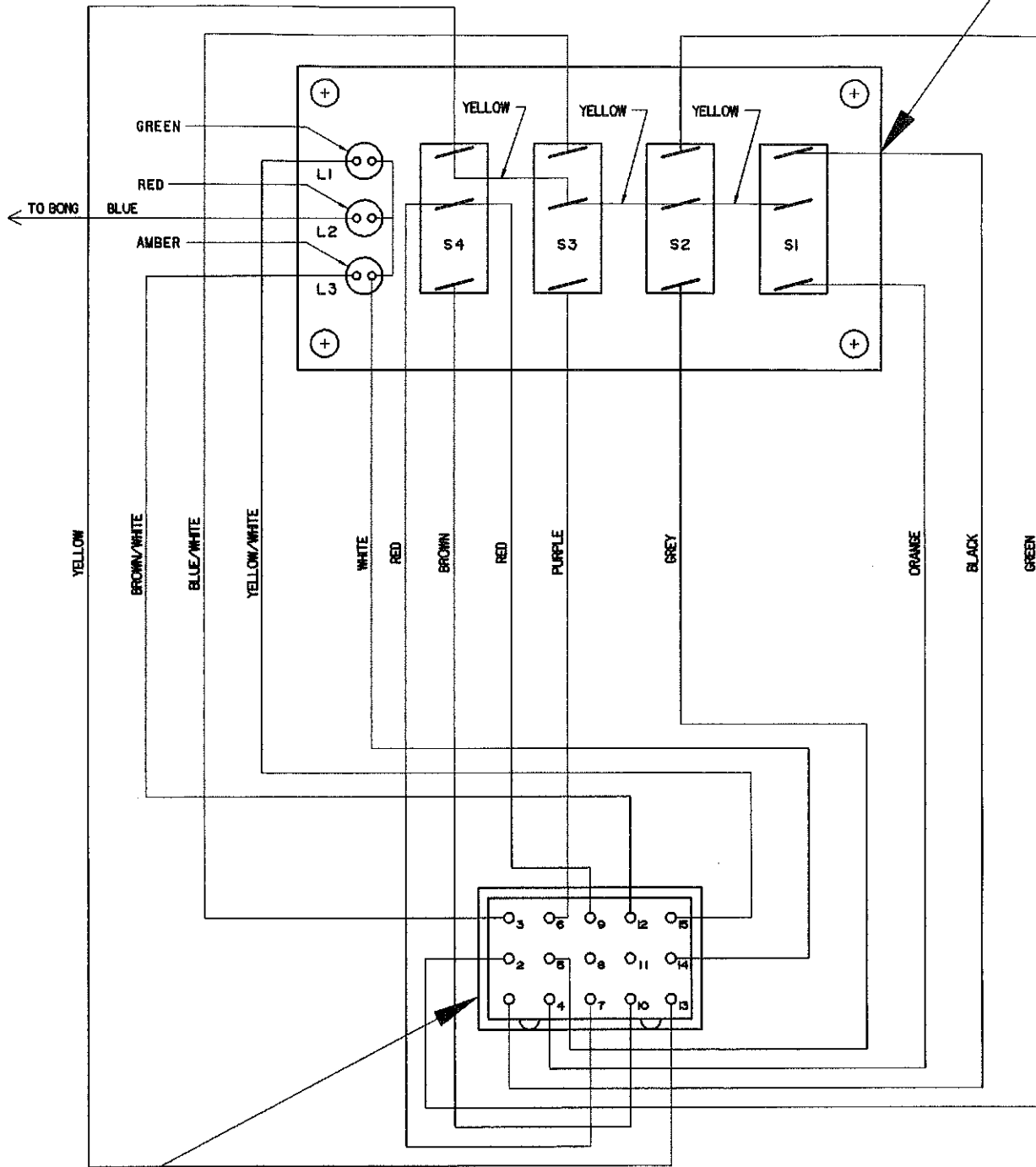
# RVA JACKS



**RVA COMPANY**  
 320 N. Market Place  
 Escondido, California 92029

# RVA JACKS

VIEW LOOKING AT REAR OF PANEL



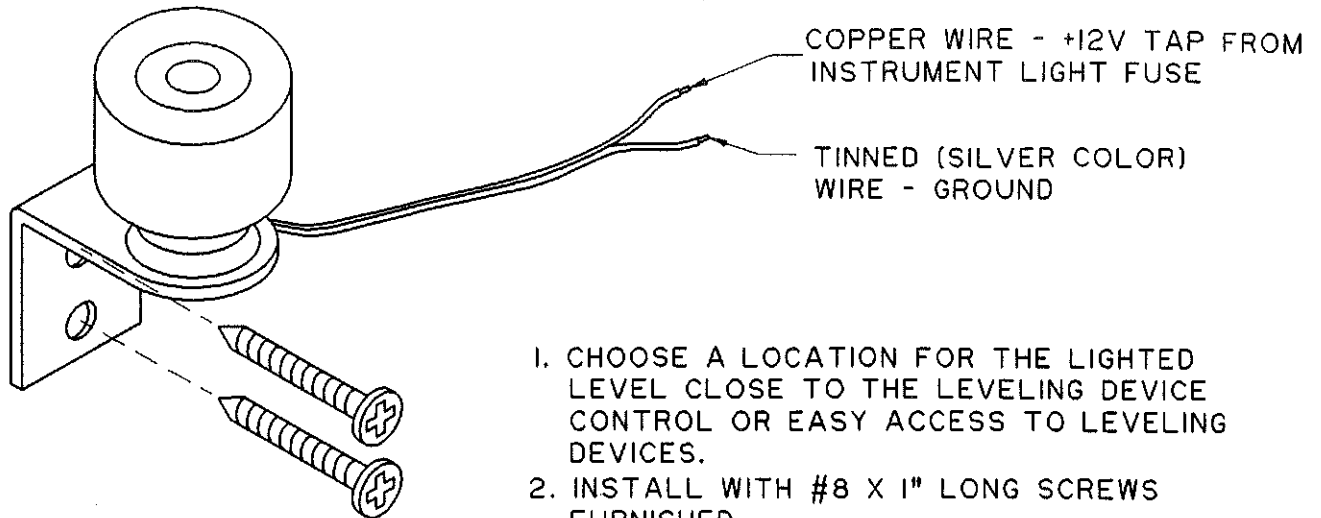
VIEW OF WIRE ENTRANCE SIDE OF 15 PIN CONNECTOR

WIRING DIAGRAM-REMOTE PANEL-MODEL J II

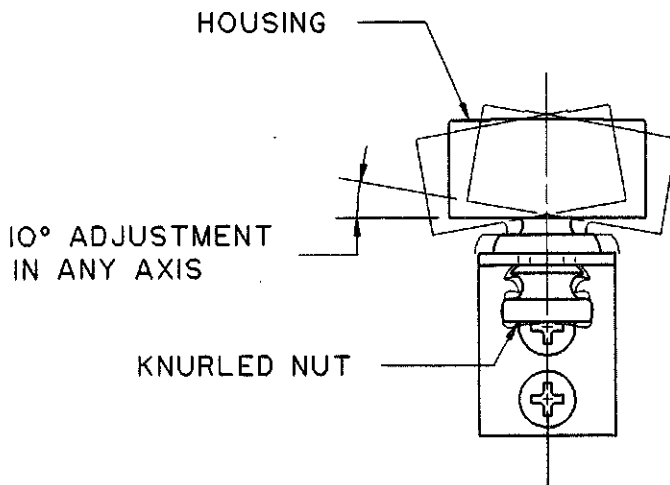
**RVA COMPANY**  
 320 N. Market Place  
 Escondido, California 92029

# RVA JACKS

## RVA LIGHTED LEVEL INSTALLATION & OPERATION



1. CHOOSE A LOCATION FOR THE LIGHTED LEVEL CLOSE TO THE LEVELING DEVICE CONTROL OR EASY ACCESS TO LEVELING DEVICES.
2. INSTALL WITH #8 X 1" LONG SCREWS FURNISHED.
3. ATTACH OR SPLICE THE COPPER WIRE TO ANY WIRE OR FUSE TERMINAL FURNISHING POWER TO THE INSTRUMENT LIGHTS (AFTER FUSE), AND THE TINNED (SILVER COLOR) WIRE TO CHASSIS GROUND.
4. TO ADJUST LEVEL HOLD HOUSING WITH ONE HAND & LOOSEN KNURLED NUT WITH OTHER, TILT HOUSING TO DESIRED BUBBLE SETTING, THEN TIGHTEN KNURLED NUT.



**RVA** COMPANY  
320 N. Market Place  
Escondido, California 92029