

Miscellaneous



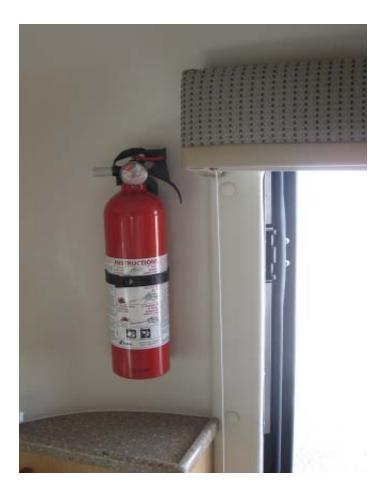
Miscellaneous

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Fire Extinguisher

A fire extinguisher is mounted in the Coach House behind the passenger seat on the right side of the motor home. The gauge on the unit should be checked periodically for pressure level. If the indicator is in the red, the unit should either be re-charged or replaced.





How To Use Your Kidde Extinguisher Follow instructions shown on the front label of your fire extinguisher.

After the fire is out, clean up dry chemical powder immediately to avoid corrosion.

CAUTION: Under certain fire and heat conditions, the dry chemical powder in conditions, the dry chemical powder in ABC type extinguishers will cause dam-age or prove extremely difficult to remove from oven surfaces, including self-cleaning models. Do not use self-cleaning feature to remove ABC Powder. BC type extinguishers are recommended for concine area. for cooking areas.

for cooking areas. **CAUTION:** The agent contained in this extinguisher is not toxic, but may cause skin irritation. Avoid inhaling the dry chemical agent. In case of contact, flush affected area with clean, cool water. If irritation persiss, contact a physician immediately. Chemical name of agent is printed on extinguisher label. For more information on fire fighting, con-tact your local information on the VIS. Coast Guard. Additional information on extinguishers cabe.

extinguishers can be found in the National Fire Protection Association (NFPA) pam-phlet No. 10, "Portable Fire Extinguishers."

Mounting Your Extinguisher

Please follow the instructions and dia-grams below for mounting the bracket that was supplied with your fire extin-U.S. Coast Guard approval is valid only

with the marine mounting bracket speci-fied on the instruction label of your extinguisher.

(III)

Jay -

IF YOUR EXTINGUISHER WAS SHIPPED WITH A PLASTIC BRACKET AND METAL STRAP then mount your extinguisher as

follows: 1. Fasten bracket to suitable surface using a screw in the upper bracket mounting hole. 2. Mount the metal strap provided with your extinguisher in the lower bracket mount-ing hole using another screw. 3. Place extinguisher into bracket and latch the strap to hold the extinguisher securely in place

IF YOUR EXTINGUISHER WAS SHIPPED WITH A HOSE AND HOSE STRAP, then slide the hose strap over the bottom of the cylinder, and secure the nozzle end of the hose to

ap before placing your exti

1. Fije el soporte en la pi con los sujetadores apropiados (no están incluidos).

1

in place

quisher in service

366224M

Cómo Usar Su **Extinguidor Kidde** Siga las instrucciones en la etiqueta del frente de su extinguidor.

Cle Su eXunguicor. Una vez que il fuega ha sido extinguido, limpie el polvo recidual innerelatamente para enitar corrosón. ATENCOM: Ante ciertas condiciones de temperatura, el polvo ABC: contenido en este extinguidor (y otras unidades simi-lares) puede porduval factor es muy difi-ci de remover en la superficie del horno, incluyendo los que son auto-limpieza para eliminar el polvo ABC. Estinguidores con polvo químico BC son recomendados en las aress, de corña.

poivo químico BC son recomendados en las areas de cocina. ATENCIÓN: Procure no respirar este polvo. Los ingredientes del mismo no son tóxicos, pero pueden producir irritación en la piel. En caso de contacto con el mismo, lave la contractor de presente reformante de filmente de las parte afectada con agua fría. Si la irritación persiste, consulte a su médico inmediatamente. El nombre del agente químico está impreso en la etiqueta.

Para más información sobre el combate contra incendio, consulte a su Depart-amento de Bomberos local, o a la Guardia Costera de los EEUU. Información adicional sobre extinguidores contra incendio puede recabarse en el boletín #10 de la Asociación Nacional de Protección contra Incendios (NFPA), denominado "Extinguidores contra Incendio Portátiles"

Colocación de su Extinguidor

La aprobación de la Marina de los EEUU es válida sólo con el soporte especificado en la etiqueta ubicada en la parte poste-rior de su extinguidor. Los Modelos de KIDDE (5, 10, 110) están equipados con un soporte de plástico que es aceptado un soporte de plástico que es aceptad por La Marina de Los EEUU. Guardia Costera favor de seguir las instrucciones y diagramas indicados abajo para montar el soporte que fue enviado con su extinguidor.

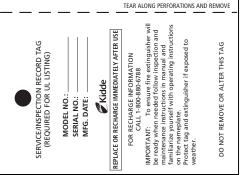


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 Place extinguisher into bracket. Buckle straps together to lock in place. bracket. Buckle straps together to lock in place 2. Coloque el extinguidor el soporte. Enganche las abrazaderas hasta unirse en sitio.

SI SU EXTINGUIDOR FUE ENVIADO CON UNA BANDA DE METAL, entonces monte su extinguidor de la siguiente manera: 1.Ponga el soporte en una superficie apropi-ada usando un tornilo de 1/4 de pulgada ada úsando un tomillo de 1/4 de pulgada en diametro, ponge este en el agujero de arita de la montura. 2. Monte la banda de metal que le ha ado proveida con su extinguidor en el agujero de abajo de la montura usando otro tomillo de 1/4 de pulgada en diametro. 3. Ponga el extinguidor en la montura y apriete la banda para que aguante el extinguidor seguro en su Jugar.

SÍ SU EXTINGUIDOR FUE ENVIADO CON UNA MANGUERA Y UNA ABRAZADERA DO MANGUERA antones, favor de sacar la abrazadera por la parte de abajo del cilín-dro, ajuste la manguera a la válvula del cuerpo y coloque la punta de la boquilla de la manguera a la abrazadera de la manguera antes de poner su extinguidor en servicio.



Owner's Manual Read fire extinguisher labels completely before you read this owner's manual.

Which Extinguisher To Use

Which Extinguisher To Use There are two common types of fire extinguishers. Type ABC extinguishers fight wood, paper and cloth fires, plus flammable liquid and electrical fires. Type BC extinguishers are for famma-ble liquish and electrical fires. To determine which class or classes of fire your extinguisher is designed to fight, locate the use code symbols on the front extinguisher label. Using the word which extinguisher is appropriate for each class of fire. For protection against ALL COMMON CLASSES OF FIRES, you must choose a type ABC extinguisher.

Inspection And Maintenance

To ensure that your fire extinguisher will be ready when needed: • Read and follow all instructions on

- label and binowain instructions of label and binowner's manual. Inspect the extinguisher AT LEAST once a month more frequently if exposed to weather or possible tampering
- tampering. Check that extinguisher is charged. Pointer on pressure indicator MUST be in green section. If pointer is in red or white section extinguisher is NOT
- or white section extinguisher Is NOI ready for use. Be sure the lock pin is firmly in place. Keep the extinguisher clean. Check for dents, scratches, corrosion or any other damage. Check the discharge nozzle. Make sure it is clean and free of obstruc-tion.
- tions.



The fire extinguisher is filled with a dry chemical agent. Examine the extinguisher's instruction label to determine the types of fire that can be tackled with this extinguisher. ng

DO NOT TEST BY PARTIALLY DISCHARGING. LOSS OF PRESSURE

WILL OCCUR Six, Ten or Twelve-Year Limited Warranty (see below for 10 & 12 year applicable models). KIDDE will repair or replace this product

KIDDE will repair or replace this produc to the original owner free of charge, if defective in material or workmanship. This warranty does not apply to damage resulting from accident, alteration, abuse or failure to follow instructions supplied. KIDDE, at its option, may refund the purchase price in lieu of replacement or repair. ANY AND ALL IMPLIED WAR-RANTES, INCTUDING ANY WARRANTY

repair. ANY AND ALL IMPLIED WAR-RAMTES, NCLUNCS ANY WARRANTY OF MERCHANITABILITY OR HITNESS FOR A PARTICLLAR PURPOSE SHALL BE LIMITED TO A FEROD OF SX. (6) YAASF ROM DATE OF FURCHASE. KIDDE, is dealers and distributors shall not be responsible of nary way lable for any special or consequential damages for breach of any warrant or implied warranty. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Ten (10)-Year Warranty applies only to these models:FX10K, FX110E, FX210R, FX340H, FX340SW, FX340C. Twelve (12)-Year Warranty applies only to this model: FX340SC. odel: FX340SC.



Cuál Extinguidor Usar

Cual Extinguidor Usar Hay 2 tipos de extinguidores. Tipo ABC para usar en fuegos producidos por madera, paely telas, así como también liquidos inflamables y fuegos produ-dos por electricidad. Tipo BC para usar sólo en fuegos producidos por liquidos inflamables y electricidad. Para determi-nar que tipo de extinguidor oustel posée, localite los símbolos en la eti-queta frontal. Usar un extinguidor no idenárdo para una clase de fuego, puede agravar el incendio. Asegúrses de que comprende cual extinguidor es el más apropiado para cada clase de tugo. Para una completa protección el más apropiado para cada clase de fuego. Para una completa protección CONTRA TODO TIPO DE FUEGO, elija un extinguidor Tipo ABC.

Inspección y Mantenimiento

- Para aseguar que su extinguidor esté en suenas condiciones de funcionamiento: Lea y siga todas las instrucciones que aparecen en las etiquetas y el manual del usuario. Inspeccione su extinguidor POR LO
- Inspeccione su extinguidor POR LO MENOS1 vez al mes, o más a menudo s se encuentra a la intemperie o existe la posibilidad de que alguien lo haya usado. nudo si
- posibilidad de que alguien lo haya usado. A segure que el extinguidor tenga su carga. La apuja del indicador de presión debe estar en la zona verde. Si está a las secciones rojo o blanca, su extin-guidor NO ESTA listo para ser usado. Controle que el gancho de seguridad esté firmemente ubicado. Verifique que la unidad no tenga abol-laduras, rapones, óxido o cualquier ot darto. Inspeccione la boquilla de descarga.

lnspeccione la boquilla de descarga. Debe estar limpio y libre de cualquie

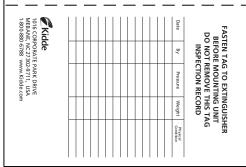
obstrucción The fire classifications (Types of Fire)



NO PRUEBE EL EXTINGUIDOR DISPARÁNDOLO PARCIALMENTE, PUES PRODUCIRÁ UNA

PUES PRODUCIRA UNA PERDIDA DE PRESION. Seis (10), dias (10), o doce (12) años de garantía limitada (veca babia modelos de 10 & 12 años de garantía). KIDDE reparatida o repondrá este producto a su dueño original sin costo alguno, si tiene defecto de matériales o mano de obra. Esta garantía no cubre daños causa-dos por acidemes, alteraciones, Cono opedio KIDO elevendista dínero TODAS Y CADA UNA DE LAS. TODAS Y CADA UNA DE LAS. INCLUYENDO CUALQUIER GARANTÍA DE COMERCIABILIDA DO APITUP DARA UN PROPÓSITO GENERAL DEBERA LUMITARSE A UN PRENDO DE SESI (6) ANOS DESEDE PROPÓSITO GENERAL DESERÁ MIMTARSE A UN PERIODO DE SEIS (6) AÑOS DESDE LA FECHA DE COMPRA. KIDOS, sus agentes y distribuidores no serán respons-ales o en niguna forma culpables por incumplimiento de cualquier garantía sorita o involucarda debido a cuasas o daños especiales. Esta garantía le ofrece derechos legales especificos y también puede tener dere-chos adicionales que varian de estado a estado.

La garantia de diez (10) años solo se La garantia de diez (10) anos solo se aplica a los modelos: FX10K, FX110E, FX210R, FX340H, FX340SW, FX340C. La garantia de doce (12) años solo se aplica al modelo: FX340SC.



HCoach House



Kitchen / Garage Fire Extinguisher

An extinguisher's rating is not based on it's size. It's the measure of its firefighting capability. For example a 10-B:C extinguisher puts out twice as much "Class B" fires as one rated 5-B:C.

Features:

- Suitable for use on fires common to the kitchen and garage.
- ULC Rated 10-B:C, Marine approved.
- High quality gauge for easy pressure check.
- Disposable.
- Strap bracket included.

Specifications:

Product dimensions:	4.5" x 14.2" x 3.6" deep
Colour / Case Pack:	Red / 6 units
Fire Rating:	10-B:C
Charge Pressure:	100psi
Range of throw:	1.8 - 2.4 metres
Duration of discharge:	8-12 seconds
Agent base:	Dry Powder (Sodium Bicarbonate)
Limited Warranty:	6 Year
Weight:	2lb
UPC:	0-47871-66295-1



466295







R3020A



Smoke Detector

A smoke detector is mounted near the ceiling, behind the passenger front seat (rear side of side entrance door). The detector is battery (9 volt) operated and should be tested on a regular basis. Refer to the manufacturers instruction sheet, enclosed in this section, for the proper testing procedure and battery replacement. The smoke detector should be tested after each time the motor home has been in storage, before each use and at least once each week during use of the motor home.





Carbon Monoxide Detector

A carbon monoxide detector is mounted in the following locations for your model.

221 XL	Above Closet in Bathroom
232 XL	Above Refrigerator
240	Above Refrigerator
241 XL	Above Refrigerator
261 XL	Above cabinets - front end of lavatory shower
261 XL (Twin Bed)	Above Refrigerator
261 XL (Pull Out Sofa)	Above cabinets - front end of lavatory shower
271 XL	Passenger Side Above Bed in Cabinet
272 XL	Above closet in Bedroom - Driver's side

The auxiliary battery and the chassis battery, which ever is stronger, power the detector and 3 amp fuses located behind the panel on which the detector is mounted, protect the unit. A green light on the detector front indicates that it is operating and any failure in the light should be investigated and remedied immediately. The detector should be tested on a regular basis as per the manufacturers instructions.







RECREATIONAL VEHICLE (RV)

Carbon Monoxide Alarm

USER'S MANUAL

65 Series Surface Mount Models: 65-541, 65-541-R, 65-541-MS, 65-541-R-MS

65 Series Flush / Recess Mount Models: 65-542, 65-542-R, 65-542-MS, 65-542-R-MS

ALL RIGHTS RESERVED 65RV120810-1

ATTENTION: This user's manual contains important Carbon Monoxide (CO) alarm installation, operation, troubleshooting and warranty information. Read, follow, and keep this manual for future reference.

NOTE: If you install or purchase this alarm for another person, give this manual to that person.

IMPORTANT: This unit must be replaced within five years of its production date. This unit has an End of Life (EOL) isgnal that will sound after 5 years of use. Record the installation that the section, <u>Owner's Replacement Record</u> in this manual for future use. The replacement date indicates the date beyond which the volce may no longer detect carbon monoxide, . The device should be placed.

The electronic CO sensor in your SAFE-T-ALERTCO alarm is very sensitive to CO gas. It will not react to motive gases.

WHY EVERY RV NEEDS A 65 SERIES CO ALARM

Everyone is at risk for carbon monoxide poisoning ticularly sensitive are children, pregnant women, the elderly and people lung or heart disease or anemia! Carbon monoxide (CO) is an odorless, essignas that prevents the blood from carrying oxygen to vital organ SO is 200 times more likely to replace oxygen in the blood. The Consumer Producty Saterhmission (CPSC) recommends using at least one CO alarm locatside of sleeping areas. For the extra security, locate addit@Daalarms in each sleeping area.

ABOUT THIS ALARM

Because CO is a colorless, odorless, tasteless and **þigibi**pnous gas; it can endanger lives even at low levels of concentration. CtDreAlarm will alert you to potentially dangerous situations. The following symptoms may be related to CO POISONING. Discuss **ets**e symptoms with ALL household members and RV guests:

•Mild Exposure: Headaches, running nose, sore or watery eyes, dften CAUTION- The SAFE-T-ALERT [™] 65 Series combination CO Alarm

- described as "flu-like" symptoms.
- •Medium Exposure: Dizziness, drowsiness, vomiting.
- •Extreme Exposure: Unconsciousness, brain damage and death.

NOTE: Reported cases of CO gas poisoning indicate that while victims are aware they are not well, they are discritent hey are unable to save themselves by exiting the RV or calling for assistance Small children and pets may be affected first.

Your SAFE-T-ALERTTM Series alarm helps protect ydfarmily members and guests from CO produvatile using your RVCO gas is produced when any type of fuel is incompletely burned. Potesotiaces of CO in and around your RV can include gas or diesel engineet, portable space heaters, gas stoves and ovens, furdefæstive engine exhaust systems, charcoal, portable grills, other neal/systemation generators, generator exhaust, and other propane-powerednæsspliåll are sources of CO.

The following are also sources of CO that may affectow RV:
Extended operation of unvented fuel burning appliances can build up high CO levels.

- An idling vehicle in an open or closed garage.
- Temperature inversions can trap exhaust near the ground.
- CO build up can be caused by reverse/negative ventifugebburning appliances including; 1) Clogged, loose or faulty stackshipmreys of (clothes dryers, furnaces and water heaters, etc.),in2) direction and/or velocity, 3) simultaneous operation of multiple fuelning appliances, and/or exhaust fans.

LIMITATIONS OF CO ALARMS

THIS ALARM WILL NOT WORK WITHOUT POWER. Some reasons for no alarm power; are a blown or missing fuskebrovire, a faulty wire connection or circuit breaker, a dischargedebat cut lead wires, or improper supply (+) or ground (-) connections.

THIS ALARM WILL ONLY INDICATE THE PRESENCE OF GAS AT THE SENSOR. CO may be present in other areads. I recommends installing CO alarms in all sleeping areas not block or coverthe alarm with any object that can prevent carbon mondxime reaching the sensor.

THIS ALARM IS INTENDED FOR USE IN RV's. It is intended for use inside the RV. It is not designed to measure compliance with commercial and industrial standards.

THIS ALARM MAY NOT BE HEARD. The alarm's loudness is designed to meet or exceed regulatory standards; howevalathremay not be heard if alarms are located in remote locatiobs brind closed doors. Persons who are hard-of-hearing, have consumed adcohol beverages, taken prescription, non-prescription or illegads, may not hear the alarm

THIS ALARM IS DESIGNED TO DETECT CARBON MONOXIDE. THE ALARM IS NOT_DESIGNED TO DETECT SMOKE, OR FIRE.

THIS ALARM MAY NOT ALARM AT LOW CO LEVELS It is not designed to measure compliance with the Occupational SafettythHe Administration (OSHA) commercial or industrial standardtsdividuals with medical problems may consider using warning deviceschuptiovide audible and visual signals for CO concentrations under 30 ppm.

HOW TO PROTECT YOUR FAMILY

CAUTION- The SAFE-T-ALERT [™] 65 Series combination CO Alarm is designed to protect individuals from the acute effects of carbon monoxide exposure . It will not fully safeguard individuals with specific medical conditions. If in doubt, consult a medicapractitioner.



To protect yourself, family and guests, you should:

- INSTALL THE ALARM PROPERLY. Carefully read and follow ALL the instructions in this manual. Test your unit every weblerrms that do not work will not alert you to hazardous levels Of and need to be replaced.. See the sectionst Procedure in this manual for further information.
- MAKE REGULAR VISUAL INSPECTIONS. Check allfuel burning equipment including gas water-heaters, kitchen gas stoves, spaters, gas dryers and all pilot lights. Check the color of pilet flame. The color should be blue.
- MAKE REGULAR VISUAL INSPECTIONS OF THE ENGINE AND GENERATOR EXHAUST SYSTEMS. Cracked exhaust systems Power Supply 12 VDC. can allow CO to enter the living area.
- PROFESSIONALLY MAINTAIN YOUR ENGINE AND GENERATOR. Although gas engines and generators produce CO, poorly tuned engine and generator will produce greater amounts

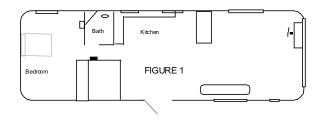
WHERE TO INSTALL

- MTI recommends installing a gas alarm in each sleeping are
- The NFPA and Consumer Product Safety Commission recommends installing a CO alarm outside the sleeping ea. The 65 Series CO alarm complies with that recommendation.
- INSTALL ALARM at least 4 inches off the floor.

WHERE NOT TO INSTALL 65 SERIES ALARMS

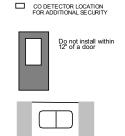
- will block air flow to the alarm.
- DO NOT INSTALL within 12 inches (30cm) of opening windows, exterior doors, heating or return vents, or other glaafeas..
- DO NOT INSTALL on an outside wall.
- DO NOT INSTALL on a wall switch controlled by a power line, ground fault circuit or to a circuit breaker.

NOTE: Older RVs may have little or no insulation and therefare draftier. Carefully consider mounting locations. The follogy diagrams provide additional alarm installation information:









Do Not install behind drapes

or furniture

Do not install within 12" of a window that can open

Do not install within 12" of vents

FIGURE 2

INSTALLATION INSTRUCTIONS

Models

∖ WARNING

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN A MALFUNCTION OR FAILURE OF THE ALARM AND MAY VOID THE WARRANTY.

SHOCK HAZARD: Turn off power before installing.

Recommended Wire Size 14 GA. TO 18 GA.

a^connect the alarm to a properly fused circuit, maxim**ver** o protection device rating 6 amps.

All connections must be in accordance with the Nation Electrical Code in the Unites Stated and the Canadian Ectric Code in Canada .

Connect to wiring or circuit that CANNOT be turned off by a switch or ground fault protector. Only use UL or recognized permanent wire connectors. It is acceptable to connect the 65 Series CO alarm to the main disconnect. The alaidmbe/off along with all other 12 volt equipment when the main other the

DO NOT INSTALL behind furniture, drapes, in closets or areas thaturned to the off position. The RV must not be occupied wthen main disconnect is in the off position.

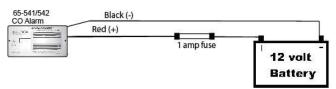
INSTALLATION INSTRUCTIONS

Follow these instructions carefully. Failure to followese instructions can damage the unit and void the warranty.

Important: The 65 Series Flush / Recess mount case reices 1 1/2" (38mm) clearance behind the wall.

MODEL 65-541 / 65-542

- 1. Basic Model 65-541/65-542 Select a wall location at least 4" off the floor. Cut a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole. For 60e541 Drill a 1/4" (6mm) holefor the wires.
- 2. Connect Supply (+) to the Red wire lead. Install a 1 arse in the positive (+) circuit. Connect the Black wire to the 12 Ground (-).
- 3. Reconnect the power supply. Warm up 10 minutes then testatme.



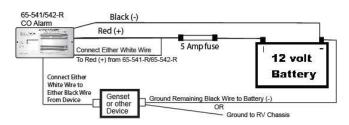
MODEL 65-541-R / 65-542-R (Relay Control)

1. Model 65-541-R/65-542-R - With Normally Closed relayThis unit supplies a relay with contacts rated 12 VDC, 3 amp (mane) relay is energized whenever the alarm is operational. It may betossebut down a generator or to open an (optional) gas solenoid vaheerelay may also be used to interface to alarm systems, using the erormally closed or normally open contact, depending on the require of this alarm system. In the event of an alarm the relay will off. It will



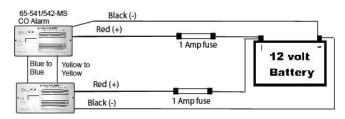
automatically re-energize after the unsafe levels of Coers. Select a wall location at least 4" off the floor. 60-5422 Rt a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole. 60-541-R dfl/4" (6mm) hole for the wires.

- 2. <u>Do not connect to a previously installed soleno</u>id EE: SPECIAL WIRING NOTICE.
- 3. Connect Supply (+) to the Red wire lead. Install a 5 arsapi fouthe positive (+) circuit. Connect the Black wire to the 12t @oround (-).
- 4. Reconnect the power supply. Warm up 10 minutes then teaslaitine.



MODEL 65-541-MS / 65-542-MS

- Model 65-541/65-542-MS Multi-station interconnect(Maximum 10 units and 2000 feet of wire) Allows multiple 65-541/542MS alarms to be connected together. When one of the alarms detecte travels of CO or gas it will activate. It will also activative audible alarm of all the interconnected units. Only the alarm that detectedr@as will have its Red LED light lit up so that you can determine thece of the alarm. Select a wall location no between 4" and 20ther floor. 60-542-MS Cut a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole. 60-541-MS drill 1/4" (6mm) holefor the wires.
- Connect the Red wire to the 12 volt supply (+). Instalbant fuse in the positive circuit (+)Note you must use a separate 1 amp fuse for each alarm. Connect the Black wire to the 12 volt Ground (-).
- Interconnect Wiring Connect Blue wires from each alarm Yerklow wires for each alarm. Continue connecting in series (JD2) insain).
- 4. Reconnect the power supply. Warm up 10 minutes then testiatme.



MODEL 65-541-R-MS / 65-542-R-MS

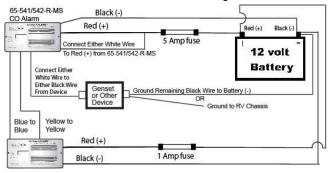
 Model 65-541-R/65-542-R-MS - With Normally Closed relayThis unit supplies a relay with contacts rated12 VDC, 3 ampx)(mTahe relay is energized whenever the alarm is operationalaytible used to shut down a generator or to open an (optional) gas solealoid. The relay may also be used to interface to alarm systeminsg either the normally closed or normally open contact, depending on the requirements of the alarm system. In the event of ammathe relay will shut off. It will automatically re-energizet af the unsafe levels of CO clears.

Select a wall location at least 4" off the flood-541-R-MS Cut a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole.65-542-R-MS dfli/4" (6mm) holefor the wires.

 <u>Do not connect to an existing installed solenoi</u> EE: SPECIAL WIRING NOTICE.

- 3. Connect Supply (+) to the Red wire lead. Install a 5 arspe in the positive (+) circuit. Connect the Black wire to the 12 coround (-).
- 4. Interconnect Wiring Connect Blue wires from each alarndh Yellow wires from each alarm. Continue connecting in seriess (Dahain).
- 5. Reconnect the power supply. Warm up 10 minutes then teastatime.

Model 65-541-R-MS / 65-542-R-MS Wiring-



Only use UL or recognized permanent wire connectorsot replace any unit installed with spade connectors or we nuts.

TEST PROCEDURE

TO REDUCE THE RISK OF CARBON MONOXIDE POISONING, TEST THIS ALARM'S OPERATION AFTER THE RV HAS BEEN IN STORAGE, BEFORE EACH TRIP AND AT LEAST ONCE PER WEEK DURING USE BY PRESSING THE TEST/RESET BUTTON.

WARNING: THE TEST BUTTON ONLY TESTS THE ALARM CIRCUIT NOT THE SENSORS. TO TEST THE CO SENSOR USE A CAN OF SAFE-T-ALERT CO TEST GAS TO TEST THE 400 PPM CALABRATION POINT. DO NOT TRY TO GENERATE CO TO TEST THE ALARM. The TEST/RESET button tests all ELECTRICAL functions of the alarm. It does check the sensor operation.

The alarm may be tested at any time. The TEST/Mutechswist located on the front of the alarm. Press and hold the test button forcecond IMPORTANT - If this alarm does not test properly return it immediatel for repair or replacement. If the alarm is over fivengeold replace it.

SPECIAL WIRING NOTICE.

DANAGER - FIRE RISK - DO NOT CONNECT A SAFE-T-ALERT alarm to <u>non</u> Safe-T-Alert supplied solenoid. You must use a new solenoid with the corre electrical rating.

OPERATION

When the unit is first powered up, the CO sensor requitess (#10) minute initial warm-up period to clean the sensor element and væcisitabilization. The GREEN LED indicator will flash on and off during the 10 minut warm-up period. This unit cannot go into a alarm during taemvup period. See Test Procedure in this manual. After the waproperiod, the GREEN power ON indicator should glow continuouts the ON indicator light does not light, see the sectio <u>Trouble-Shooting Guide</u> in this manual for further informationDo not attempt to fix it yourself.



brownouts where the circuit voltage drops as low as 1 MDtGe brownout lasts too long, the unit will reset and operate as deschabove.

LOW POWER OPERATION

This alarm will operate normally down to7 VDC. Do not rapte this alarm below 7 VDC.

VISUAL AND AUDIBLE ALARM SIGNALS

This SAFE-T-ALERT[™] CO Alarm is designed to be easy-to-operate. The alarm has two indicator lights that display a specifidorcofor each monitored condition. There also is a matching sound patternal form conditions.

CO ALARM

The Red CO LED will flash and the alarm will sound 4 "BEERSen silent for 5 Seconds IMMEDIATE ACTION IS REQUIRED . See Procedures To Take During An Alarm This cycle will continue until the TEST/Mute button on the front of alarm is pressed. Veetilae RV. The RED light will stay ON until the CO has cleared, or there will reactivate in approximately 6 minutes if the CO is still present. DOTNRE-ENTER THE RV. This alarm will return to normal operation aftee RV s properly ventilated.

MALFUNCTION/SERVICE SIGNAL If any malfunction is detected, the Gas LED will remain off and the Operational/CO LED willteanate Red/Green and the alarm will sound once every 15 seconds the Test/Mute button. If the Test/Mute button does not cleasitymeals, check the battery voltagef the battery voltage is not low and the unit will not return to normal operation, immediately remove the alarm and return for service or warranty replacement. See the warranty section in this manual

AUDIBLE SIGNAL	VISUAL SIGNAL
NONE	STEADY GREEN
4 "BEEPS" 5 SECONDS OFF	STEADY RED
BEEP" EVERY 25 SECONDS	ALTERNATING RED/GREEN
BEEPS EVERY 25-30 SECONDS	RED RED GREEN GREEN FLASHING
	NONE 4 "BEEPS" 5 SECONDS OFF BEEP" EVERY 25 SECONDS BEEPS EVERY

MEMORY FEATURE - This alarm has a Peak Level Memory feature that remembers the approximate amount of CO that activateThet. memory feature does not record brief exposure to CO that would ortiontate the alarm. This alarm will indicate one of four levelshwithirps and blinks with the CO I FD.

To activate alarm level memory, press the TEST/RESET the for less than 1 second.

- •1 Chirp and 1 Green Blink = CO memory is clear
- •2 Chirps and 2 Red = below 100 ppm
- •3 Chirps and 3 Red Blinks = below 200 ppm
- •4 Chirps and 4 Red Blinks = above 200 ppm

End of Life Signal - The Sensor has a 5 Year Servicefei

All 65 Series models include an End of Life (EOL) Signalicating the sensor has reached the end of its service lifecandryst replace the alarm. The signal is the LED flashing RED RED GREE GREEN with a beep every 25-30 seconds. The EOL Signal may b

Brownout Protection - The unit can tolerate short power interruptions and the EOL Signal for a period of 72 hours (3 days) for tal of up to 30 days. After 30 days the signal cannot be reset anadatre must be replaced. DO NOT DISCONNECT THE ALARM UNTIL YOU HAVE A REPLACEMENT ALARM AVAILABLE TO INSTALL.

TROUBLE-SHOOTING GUIDE

Use this chart to trouble-shoot problems with this 55 Series Alarm.

CAUSE/SOLUTION
1.Wire Connection 2. Reversed Wiring 3. Main Power Off 4. Missing or Blown Fuse 5. Contact Customer Service
Contact Customer Service Contact Customer Service
Contact Customer Service
1. Check BatterYoltage
2. Contact Customer Service
 Press Test#Bet Button to reset for 72 blurs. Can repeat for up 30 Days ReplacerAl

HOW TO TAKE CARE OF YOUR ALARM

This CO Alarm is designed to be as maintenance freesessible. To keep your alarm in good working order, you must:

TEST THE ALARM WEEKLY using the Test/Reset Button. See the section, Test Procedure in this manual for further information.

 VACUUM THE DUST OFF THE ALARM COVER. At least once a year (more frequently in dusty locations), use thebroath attachment from your vacuum to clean the alarm covers.

 CLEAN THE ALARM COVER WHEN DIRTY. Wash the alarm cover by hand. Use a cloth dampened in clean water. Dhy avistoft cloth.

• DO NOT SPRAY CLEANING AGENTS OR WAXES DIRECTLY ONTO THE FRONT PANEL. This action may damage the sensor, cause an alarm or cause an alarm malfunction.

 OBSERVE THE COLOR OF THE INDICATOR LIGHT. At frequent intervals and during your weekly test, check the incutidiaght on the on the front panel of the alarm.

• See the section Operation, in this manual for further information.

SPECIFICATIONS

MODELS	65-541, 65-541-R,65-541-MS,65-541-R-MS 65-542, 65-542-R, 65-542-MS. 65-542-R-MS
POWER SUPPLY	12 VDC
NOMINAL CURRENT DRAW	108mA
OPERATIONAL TEMPERATURE	-40° F to +150° F -40° C to +66° C
RELATIVE HUMIDITY	15% (+/- 5%) to 95% (+/- 4%)
AUDIBLE OUTPUT	85 dB @ 10 feet
CO ALARM TRIGGER	4 -15 Minutes @ 400 ppm
CASE DIMENSIONS	65-541 5.5"W x 3.5"H x 1.38"D 65-542 6.5"W x 3.5"H. 1.38"D
WARRANTY	1 Year Limited
TESTING LABORATORY STANDARD	Underwriters Laboratories UL 2034, Third Edition



PROCEDURES TO TAKE DURING AN ALARM

Follow the alarm procedures for your country. The emergenacyber depends on your travel location.

PROCEDURES TO TAKE DURING A CO ALARM IN THE USA

/ WARNING: Actuation of this device indicates the presence of carbon monoxide (CO) gas, which can KILL YOU. If signal sounds (4 beeps and flashioning solid red light): 1) Operate the Test/Mute buttor2) Call your emergency local service (Phone Number (fire department or 911)3) Immediately move to fresh air outdoors or by an open door/window. Check that all persons are accounted for. Do not reenter the premises operaway from the open door / window until the emergency responders have arrived, the premises have been aired out and yarun al remains in its normal operation) After following steps 1-3, if your alarm reactivates within a 24-hour period, repseaps 1-3 and call a qualified applian technician. (Phone Number _) to investigate for sources of CO from fuel burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified not this inspection have the equipment serviced immediately Note any combustionequipment not inspected by the technician and consult the manufacturers' instructions, o contact the manufacturer directly, for more informatiabout CO safety and this equipment. Make sure that the motor vehicles are not, and have not been, operating intachad garage or adjacent to the residence.

PROCEDURES TO TAKE DURING A CO ALARM IN CANADA

🗥 WARNING: Actuation of this device indicates the presence of carbon monoxide (CO) gas which can KILL YOU If signal sounds (4 beeps and flashing or solid red light: 1) If authorized, return this product to: Operate the Test/Mute. Immediately move to fresh air outdoors or by an open door/window. Check that all persons a MTI Industries, Inc. accounted for. Do not reenter the premises or movey away the open door/window until the emergency responders have 1632 N. Ellis Drive Unit 301 arrived, the premises have been aired out, and your alarm/olo, IL 60073 remains in its normal condition; 2) call your emergehocyal service (telephone number _____) (Fire department 911).

© MTI INDUSTRIES 2011

LIMITED PRODUCTS WARRANTY

MTI INDUSTRIES, INC . warrants to the original retail purchaser that its products will be free from defects of material or worknhamsfor a period of One (1) year from the date of retail purchase. Ifvenoto have been defective in original materials or workmanship and retdrndelivery costs prepaid, MTI INDUSTRIES, INC. will replace this produce of charge.

LIMITS OF WARRANTY

Replacement is your exclusive remedy under this limited waynar any other warranty (including any implied warranty of merchanitabfor a particular purpose). Any and all implied warranties or othen tability or fitness for a particular purpose shall be limited to wharranty period from the original date of retail purchase. MTI INDUSTRIENC., its dealers and distributors shall in no case be responsible or in any index for any incidental or consequential damages for any reason. Sources sto not allow the limitation or exclusion of incidental or consequaterdamages, or allow limitations on how long an implied warranty lasts, the above limitations may not apply to you. This warranty gives uspecific rights, and you may also have other rights, which may vary, fitate so state.

PRODUCT NOT WARRANTED

NOTE- <u>There are no user serviceable parts inside the case</u>. Dring any <u>SAFE-T-ALERT</u>TM product for any reason voids the warranty. This warranty does not cover damage or failure resulting frots of God, abuse, misuse, neglect, or faulty installation

WARRANTY RETURN PROCEDURES

It is MTI's experience that a CO Alarm is sounding foreason. Call, ask your dealer to call, or e-mail our Customer Service Depent (as listed below) to trouble shoot the situation.

Customer Service Phone No. - 800-383-0269 Fax No. 847-546-9007 E-mail Service@mtiindustries.com Web Site: www.mtiindustries.com

If Customer Service determines that the unit is defectivReplacement Authorization (RA) number will be issued to product will be accepted for service or replacement without first obtaining a RA number.

Warranty Dept. RA # (INSERT RA NUMBER HERE)

NOTE: Mark the RA number in the area shown on the atside or of the box!

OWNERS REPLACEMENT RECORD

Replace thisSAFE-T-ALERT[™] 65 SERIES COalarm within 5 years, of the installation of the alarm. Installation Date

Replace Date

Installer

NOTE: The replacement date indicates the date beyond which t device may no longer detect accurately.



L.P. Gas Detector

A L.P. Gas detector is mounted in the following locations for your model.

221 XL	Rear Dinette Base
232 XL	Base of Rear Bed
240 (Rear Bed)	Base of Rear Bed
241 XL (Twin Bed)	Base of Bed on Passenger Side
261 XL	Rear Dinette Base
261 XL (Twin Bed)	Base of Bed on Driver's Side
261 XL (Pull Out Sofa)	Rear Dinette Base
271 XL	Below Swivel Lounge Chair
272 XL	Below Swivel Lounge Chair

L.P. Gas is heavier than air and will fall. It also has an odor additive which smells like rotten eggs so that it is readily detected when a leak is present. Check the operation of your detector on a regular basis to ensure it is working properly.

	SAFE CALERT	RV Carbon Mono	oxide & Propane Gas Alar	m
GAS C EMELH OK HID-ALAM HID-ALAM HID-ALAM HID-ALAM HID-ALAM MORE TO HRESH ARE CALL & CARRAS ALAMA MORE TO HRESH ARE CALL & TEST WEEKLY RESET ALARMA HIVI AS THE GUNDHOL AT THE MAR SA.T				9
			Avoid provide Lances light more her over test sudies. See a childranial instruction on is manual before a suballing the black band	





RECREATIONAL VEHICLE (RV)

Combination Carbon Monoxide and Gas Alarm USER'S MANUAL

70 Series Models 70-742, 70-742-MS

70-742-R Kit, 70-742-R-MS Kit

PATENT US 7,248,156 ALL RIGHTS RESERVED 70RV062009-6

ATTENTION: This user's manual contains important Carbon Monoxide (CO) and gas alarm installation, operation, troutbeshooting and warranty information. Read, follow, and keep this manual for future reference.

NOTE: If you install or purchase this alarm for another person, give this manual to that person.

IMPORTANT: This unit must be replaced within five years of its production date. Record the manufacture date in the ection, <u>Owner's Replacement Recor</u>din this manual for future use. The replacement date indicates the date beyond which the voice may no longer detect carbon monoxide, propane or natural gas accately. The device should be replaced.

DUAL SENSOR TECHNOLOGY

The SAFE-T-ALERT[™] 70 Series combination CO / Gasma is an alarm that combines into a single compact system, a power fauthathat detects both Carbon Monoxide (CO) and explosive gases Propare (Land Methane (Natural Gas). The 70 Series uses the latest microspror technology combined with two electronic self-cleaning sensors that a topic pendently of each other. The combined unit can detect both a Cid explosive gases simultaneously.

This detector is UL Listed as a CO Propane and Methanber(ANGas) detector for RV use. Other explosive gases detected dbutested by UL, include Acetone, Alcohol, Butane, and Gasoline all of twhyicu may have in your RV.

To prevent false alarms from brief "puffs" of gas theedeor has a recheck cycle before alarming. If high levels of gas remain dutinegrecheck cycle, the detector will alarm.

The electronic CO sensor in your SAFE-T-ALERTCO alarm is very sensitive to CO gas. It will not react to mother gases.

WHY EVERY RV NEEDS A 70 SERIES CO AND GAS ALARM

Everyone is at risk for carbon monoxide poisoniRghticularly sensitive are children, pregnant women, the elderly and people lwing or heart disease or anemia! Carbon monoxide (CO) is an odorless, easied as that prevents the blood from carrying oxygen to vital organSO is 200 times more likely to replace oxygen in the blood. The Consumer ProductySafethmission (CPSC) recommends using at least one CO alarm located of sleeping areas. For the extra security, locate additCoDalarms in each sleeping area. Safe-T-Alert CO alarms are availableecondary installations.

Propane gas can cause explosions! Using propartience taking safety precautions to avoid injury. These gases are **lyside**htified by an unpleasant odor. Certain conditions may make some people **entabletect** this unpleasant odor. These conditions include advanced age, **, calles** gies, and the use of tobacco, alcohol or drugs that may diminish the seminary set.

ABOUT THIS ALARM

Because CO is a colorless, odorless, tasteless and **bigisb**nous gas; it can endanger lives even at low levels of concentration. CTDeAlarm will alert you to potentially dangerous situations.The following symptoms may be related to CO POISONING. Discuss **ess** symptoms with ALL household members and RV guests:

- •Mild Exposure: Headaches, running nose, sore or watery eyes, dften described as "flu-like" symptoms.
- •Medium Exposure: Dizziness, drowsiness, vomiting.
- •Extreme Exposure: Unconsciousness, brain damage and death.

NOTE: Reported cases of CO gas poisoning indicate that while victims are aware they are not well, they are discretent they are unable to save themselves by exiting the RV or calling for assistance Small children and pets may be affected first.

Your SAFE-T-ALERT[™] 70Series alarm helps protect yourusehold members and guests from CO produtavetile using your RVCO gas is produced when any type of fuel is incompletely burned. Potesotiaces of CO in and around your RV can include gas or diesel engineeuet, portable space heaters, gas stoves and ovens, fundefæstive engine exhaust systems, portable grills, other nearby RVs, portabilerators, generator exhaust, and other propane-powered appliancese Aduarces of CO.

The following are also sources of CO that may affectour RV:

• Extended operation of unvented fuel burning appliances can build up high CO levels.

- An idling vehicle in an open or closed garage.
- Temperature inversions can trap exhaust near the ground.
- CO build up can be caused by reverse/negative ventifugebburning appliances including; 1) Clogged, loose or faulty stackshipmneys of (clothes dryers, furnaces and water heaters, etc.),in2) direction and/or velocity, 3) simultaneous operation of multiple fuelning appliances, and/or exhaust fans.

LIMITATIONS OF CO and GAS ALARMS

THIS ALARM WILL NOT WORK WITHOUT POWER. Some reasons for no alarm power; are a blown or missing fuskeebrovire, a faulty wire connection or circuit breaker, a dischargedebgat cut lead wires, or improper supply (+) or ground (-) connections.

THIS ALARM WILL ONLY INDICATE THE PRESENCE OF GAS AT THE SENSOR. CO or explosive propane/natural gas gases may be present in other aread TI recommends installing CO alarms in all sleeping areas Do not block or coverthe alarm with any object that can prevent a gas leak or carbon monoxide from reaching the sor.

THIS ALARM IS INTENDED FOR USE IN RV's. It is intended for use inside the RV. It is not designed to measure compliance with commercial and industrial standards.

THIS ALARM MAY NOT BE HEARD. The alarm's loudness is designed to meet or exceed regulatory standards; howevarathnemay not be heard if alarms are located in remote location behand closed doors. Persons who are hard-of-hearing, have consumed adcohol beverages, taken prescription, non-prescription or illegags, may not hear the alarm

THIS ALARM IS DESIGNED TO DETECT CARBON MONOXIDE AND PROPANE GAS. THE ALARM IS NOT DESIGNED TO DETECT SMOKE, OR FIRE.



THIS ALARM MAY NOT ALARM AT LOW CO LEVELS It is not designed to measure compliance with the Occupational SafetythHe Administration (OSHA) commercial or industrial standardisdividuals with medical problems may consider using warning deviceschubriovide audible and visual signals for CO concentrations under 30 ppm.

HOW TO PROTECT YOUR FAMILY

CAUTION- The SAFE-T-ALERT [™] 70 Series combination CO and Gas Alarm is designed to protect individuals from the acute effects of carbon monoxide exposure and gas leaks. It will not fully safegudrindividuals with specific medical conditions. If in doubt, conslut a medical practitioner.

To protect your family, you should:

- INSTALL THE ALARM PROPERLY. Carefully read and follow ALL the instructions in this manual. Test your unit every webletrms that do not work will not alert you to hazardous levels of 6r explosive gas. See the sectionest Procedure in this manual for further information.
- MAKE REGULAR VISUAL INSPECTIONS. Check allfuel burning equipment including gas water-heaters, kitchen gas stoves, spaters, gas dryers and all pilot lights. Check the color of pilet flame. The color should be blue.
- MAKE REGULAR VISUAL INSPECTIONS OF THE ENGINE AND GENERATOR EXHAUST SYSTEMS. Cracked exhaust systems can allow CO to enter the living area.
- PROFESSIONALLY MAINTAIN YOUR ENGINE AND GENERATOR. Although gas engines and generators produce CO, a poorly tuned engine and generator will produce greater amounts
- If you smell unusual odors you may have a gas leak, immediate call a local propane gas supplier or fire department tokcfor possible leaks.

WHERE TO INSTALL

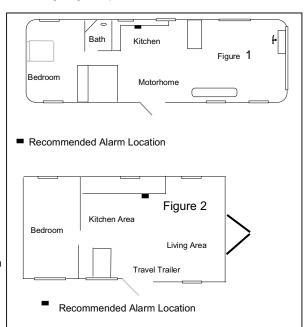
- Install the 70 Series in the kitchen area near sourcespotfeatial gas leaks. Some potential sources are a furnace, refrigesative or oven. If potential sources of a gas leak are in separate ,alteration and separate ,alteration and separate ,alteration and separate , alteration and separ recommends installing a gas alarm in each area.
- NFPA and Consumer Product Safety Commission The recommends installing a CO alarm outside the sleeping ea. The recommendation.
- INSTALL ALARM _____at least 4inches off the floor but no more than 20^{VOID} THE WARRANTY. inches off the floor.

WHERE NOT TO INSTALL 70 SERIES ALARMS

- DO NOT INSTALL behind furniture, drapes, in closets or areas that Connect the alarm to a properly fused circuit, maximuer o
- DO NOT INSTALL within 12 inches (30cm) of opening windows, exterior doors, heating or return vents, or other ylaarfeas..
- DO NOT INSTALL on an outside wall.
- DO NOT INSTALL on a wall switch controlled by a power line, ground fault circuit or to a circuit breaker.
- NOTE: Older RVs may have little or no insulation and thereforce a draftier. Carefully consider mounting locations.

ATTENTION: CCI CONTROLS GAS LEAK DETECTOR REPLACEMENT - DO NOT CONNECT ANY SAFE-T-ALERT alarm to non Safe-T-Alert supplied solenoids. You must use the new solenoid included in your Kit.

The following diagrams provide additional alarm instablatinformation:



INSTALLATION INSTRUCTIONS

Models 70-742 70-742-MS 70-742-R Kit 70-742-R-MS Kit

✓!\ WARNING

70 Series combination CO and gas alarm complies with that FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN A MALFUNCTION OR FAILURE OF THE ALARM AND MAY

SHOCK HAZARD: Turn off power before installing.

Power Supply 12 VDC.

Recommended Wire Size 14 GA. TO 18 GA.

protection device rating 15 amps.

All connections must be in accordance with the National Electrical Code in the Unites Stated and the Canadian Ectric Code in Canada.

Connect to wiring or circuit that CANNOT be turned off by a switch or ground fault protector. Only use UL or recognized permanent wire connectors. It is acceptable to connect the 70 Series CO / LP gas alarm to the main disconnectaTaren will be off along with all other 12 volt equipment when the maiscolinect is turned to the off position. The RV must not beuppied when the main disconnect is in the off position.



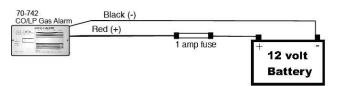
INSTALLATION INSTRUCTIONS

Follow these instructions carefully. Failure to followese instructions can damage the unit and void the warranty.

Important: The 70 Series case requires 1 1/2" (38mm) cleance.

MODEL 70-742

- 1. Basic Model 70-742- Select a wall location between 4" and 20" off the floor. Cut a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole.
- Connect Supply (+) to the Red wire lead. Install a 1 arsp in the positive (+) circuit. Connect the Black wire to the 12 Ground (-).
- 3. Reconnect the power supply. Warm up 10 minutes then testlatime.

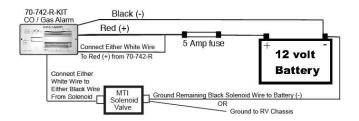


MODEL 70-742-R KIT

1. Model 70-742-R Kit - With Normally Closed relay. This unit supplies a relay with contacts rated 12 VDC, 3 amp (max). Entrayris energized whenever the alarm is operational. It may be used to shut dow generator or to open an (optional) gas solenoid vallwe relay may also be used to interface to alarm systems, using either threatly closed or normally open contact, depending on the requirements of thre ala system. In the event of an alarm the relay will shfut bfwill automatically energize after the unsafe levels of Cexptosive gas clears.

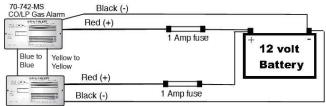
Select a wall location between 4" and 20" off the flocat a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole.

- 2. Mount the solenoid according to its separate instructions. You must install the solenoid included with the 70-742-R Kit <u>Do not connect</u> to an existing installed solenoidSEE: SPECIAL WIRING NOTICE. Connect the Red wire and either White wire from themater the 12 volt supply (+). Install a 5 amp fuse in the possitive) circuit between this connection and the battery. Connect the Black wire to the 12 volt Ground (-).
- Relay Output Connect the remaining White wire from themato either black wire from the solenoid. Ground the remaining Black wire from the solenoid to the themative gside (-) of the 12 volt battery OR ground it to the RV Chassi Note: Some devices do not require correct polarity and be anonnected to either terminal or wire.
- 4. Reconnect the power supply. Warm up 10 minutes then testatme.



MODEL 70-742-MS

- Model 70-742-MS Multi-station interconnect (Maximum 10 units and 2000 feet of wire) Allows multiple 70-742-MS alarms to be connected together. When one of the alarms detects unevertiee of CO or gas it will activate. It will also activate the dible alarm of all the interconnected units. Only the alarm that detected Q@aswill have its Red LED light lit up so that you can determine the constitue alarm. Select a wall location no between 4" and 20the floor. Cut a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole.
- Connect the Red wire to the 12 volt supply (+). Installamp fuse in the positive circuit (+)Note you must use a separate 1 amp fuse for each alarm. Connect the Black wire to the 12 volt Ground (-).
- 3. Interconnect Wiring Connect Blue wires from each alarm **Xerldo**w
- wires for each alarm. Continue connecting in series (Cainain). 4. Reconnect the power supply. Warm up 10 minutes then teaslatine.



MODEL 70-742-R-MS KIT

 Model 70-742-R-MS Kit - With Normally Closed relay. This unit supplies a relay with contacts rated12 VDC, 3 amp (max) rallay is energized whenever the alarm is operational. It may betosehut down a generator or to open an (optional) gas solenoid. Value relay may also be used to interface to alarm systems, using the normally closed or normally open contact, depending on the requirements of the alarm system. In the event of armathe relay will shut off. It will automatically energize after unsafe levels of CO or gas clears. Select a wall location between 4" and 20" off the floont a 5 5/8"

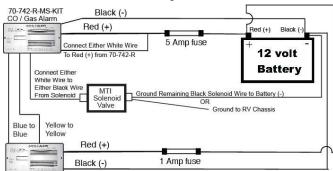
Select a wall location between 4" and 20" off the flocout a 5 5/8" (143mm) W x 3 1/8" (79mm) H hole.

- Mount the solenoid according to its separate instructions. You
 must install the solenoid included with the 70-742-R-IØ KIT. Do
 not connect to an existing installed solenoidSEE: SPECIAL
 WIRING NOTICE. Connect the Red wire and either White wire from
 the alarm to the 12 volt supply (+). Install a 5 amp fustee positive
 (+) circuit between this connection and the battistigte you must use
 a separate 5 amp fuse for each alarmConnect the Black wire to the
 12 volt Ground (-).
- Relay Output Connect the remaining White wire from themato either black wire from the solenoid. Ground the remaining Bwire from the solenoid to the negative side (-) of the 12 brattery OR ground it to the RV Chassis. Note: Some devices do not require correct polarity and bean connected to either terminal or wire.
- 4. Interconnect Wiring Connect Blue wires from each alarth Yellow wires from each alarm. Continue connecting in seriess()Dahain).
- 5. Reconnect the power supply. Warm up 10 minutes then testatime.

DANAGER - FIRE RISK - CCI CONTROLS GAS LEAK DETECTO R REPLACEMENT - DO NOT CONNECT A SAFE-T-ALERT alarm to <u>non</u> Safe-T-Alert supplied solenoid. You must use the new solenoid included in your Kit. <u>DO NOT ONNECT TO A CCI SOLENOID.</u>



Model 70-742-R-MS-KIT Wiring -



SPECIAL WIRING NOTICE: When replacing CCI Controls LP Gas Leak Detectors they may have two power leads. Safee**T**-Ahits only have one power lead. Simply connect the Safe-T-Alert pleader(Red) to the coach/house power supply and cap or remove the other leaded NOT CONNECT BOTH POWER LEADS TO THE Safe-T-Alert ALARM – this will result in a dead chassis battery.

Only use UL or recognized permanent wire connectorsot replace any unit installed with spade connectors or we nuts.

TEST PROCEDURE

/ WARNING

TO REDUCE THE RISK OF CARBON MONOXIDE POISONING OR PROPANE GAS EXPLOSION, TEST THIS ALARM'S OPERATION AFTER THE RV HAS BEEN IN STORAGE, BEFORE EACH TRIP AND AT LEAST ONCE PER WEEK DURING USE BY PRESSING THE TEST/RESET BUTTON.

WARNING: THE TEST BUTTON ONLY TESTS THE ALARM CIRCUIT NOT THE SENSORS. YOU MAY USE PROPANE OR BUTANE GAS TO TEST THE GAS SENSOR. Note it may take up to 10 seconds for the alarm to sound

TO TEST THE CO SENSOR USE A CAN OF SAFE-T-ALERT CO TEST GAS TO TEST THE 400 PPM CALABRATION POINT. DO NOT TRY TO GENERATE CO TO TEST THE ALARM. The TEST/RESET button tests all ELECTRICAL functions the alarm. It does not check the sensor operation.

The alarm may be tested at any time. The TEST/Muteclsvisit located on the front of the alarm. Press and hold the test button for second <u>IMPORTANT</u> - If this alarm does not test properly return it immediatel for repair or replacement. If the alarm is over fivenseold replace it.

OPERATION

When the unit is first powered up, the CO sensor requitess (a10) minute initial warm-up period to clean the sensor element and væclstæbilization. The GREEN LED indicator will flash on and off during the 10 minut warm-up period. This unit cannot go into a alarm during tlæemwup period. See Test Procedure in this manual. After the warmperiod, the GREEN power ON indicator should glow continuouts/the ON indicator light does not light, see the sectionTirouble-Shooting Guide in this manual for further informationDo not attempt to fix it yourself.

<u>Gas Alarm:</u> When you power the alarm, it has a warm-up period of approximately 1 minute. This unit cannot go into a gas alarmı**gluthi**e warm-up period. After 1 minute the alarm can detect eixpelogas and will energize the relay on models 70-742-R Kit and 70-742-R-MS Kit.

<u>Simultaneous CO and Gas Alarms</u>-Because the risk of a propane gas explosion is generally a more serious danger, your alarmgives the gas alarm a higher priority during simultaneous alarm condition.

If your unit generates alarms for both Gas and CO at the **time**, the gas LED will flash red and the beeper will sound. The CO LED be a solid Red until the CO is ventilated out of the RV, at which the LED will return to the Green operational/safe color.

Brownout Protection - The unit can tolerate short power interruptions and brownouts where the circuit voltage drops as low as 1. **VDtG**e brownout lasts too long, the unit will reset and operate as **duestba**bove.

LOW POWER OPERATION

This alarm will operate normally down to 7 VDC. Do not $\ensuremath{\textit{rague}}$ this alarm below 7 VDC.

VISUAL AND AUDIBLE ALARM SIGNALS

This SAFE-T-ALERTM CO / Propane Gas Alarm is designed to be easy-to-operate. The alarm has two indicator lights that djsplapecific color for each monitored condition. There also is a matching soatterp for alarm conditions.

CO ALARM

The Red CO LED will flash and the alarm will sound 4 "BEERSen silent for 5 Seconds These signal indicates that the CO level is over 70 ppm. <u>IMMEDIATE ACTION IS REQUIRED</u>. See<u>Procedures To Take</u> <u>During An Alarm</u>. This cycle will continue until the TEST/Mute button on the front of alarm is pressed. Ventilate the RV. The RED will stay ON until the CO has cleared, or the alarm will reactivate proximately 6 minutes if the CO is still present. DO NOT RE-ENTERET RV. This alarm will return to normal operation after the Rproperly ventilated.

PROPANE GAS ALARM

The Red LED will Flash and the alarm will sound a steady womenever a dangerous level of propane or methane gas is detailed the text and the alarm sis detailed to the text and text and text and the text and text

<u>MALFUNCTION/SERVICE SIGNAL</u> If any malfunction is detected, the Gas LED will remain off and the Operational/CO LED willteanate Red/Green and the alarm will sound once every 15 secondss Press Test/Mute button. If the Test/Mute button does not cleasing meals, check the battery voltage is not low and the unit will not return to normal operation, immediately remove the alarm and return for service or warranty replacement. See the warranty section in this manual.

<u>OPERATION</u>	AUDIBLE SIGNAL	VISUAL SIGNAL
NORMAL	NONE	STEADY GREEN
CO ALARM	4 "BEEPS" 5 SECONDS OFF	STEADY RED
PROPANE ALARM	CONSTANT	FLASHING RED
ALARM MALFUNCTION	BEEP" EVERY 25 SECONDS	ALTERNATING RED/GREEN
END OF LIFE SIGNAL f	BEEPS EVERY 25-30 SECONDS	RED RED GREEN GREEN FLASHING



<u>MEMORY FEATURE</u> – This alarm has a Peak Level Memory feature that remembers the approximate amount of CO that activitated the memory feature does not record brief exposure to CO that dwwout activate the alarm. This alarm will indicate one out from the context of the context

To activate alarm level memory, press the TEST/RESET $\ensuremath{\text{ttton}}$ for less than 1 second.

- 1 Chirp and 1 Green Blink = CO memory is clear
- 2 Chirps and 2 Red = below 100 ppm
- 3 Chirps and 3 Red Blinks = below 200 ppm
- 4 Chirps and 4 Red Blinks = above 200 ppm

TROUBLE-SHOOTING GUIDE

Use this chart to trouble-shoot problems with this 70 Series Alarm.

PROBLEM	CAUSE/SOLUTION
Green Operational LED Off	1.Wire Connection 2. Reversed Wiring 3. Main Power Off 4. Missing or Blown Fuse 5. Contact Customer Service
No Sound When Testing No Red LED When Testing	Contact Customer Service Contact Customer Service
Locked In Alarm	Contact Customer Service
MALFUNCTION ALARM LED Flashing Red/Green - Beeps Every 25 Seconds	1. Check Batter y oltage
Battery Voltage is Good and Alarm Will Not Reset	2. Contact Customer Service
End of Life Signal LED Flashing RED RED GREEN GREEN Beeps Every 25 Seconds	 Press Test#Set Button to reset for 72 blurs. Can repeat for up 30 Days ReplacerAt

HOW TO TAKE CARE OF YOUR ALARM This CO / Propane Gas Alarm is designed to be as maindenface as possible. To keep your alarm in good working order, youtmus

• TEST THE ALARM WEEKLY using the Test/Reset Button. See the section<u>Test Procedure</u> in this manual for further information.

• Test the Alarm every six months with Safe-T-Alert COTest Gas and with a butane lighter. See <u>Test Procedur</u> Section.

• VACUUM THE DUST OFF THE ALARM COVER. At least once a year (more frequently in dusty locations), use thebsofth attachment from your vacuum to clean the alarm covers.

• CLEAN THE ALARM COVER WHEN DIRTY. Wash the alarm cover by hand. Use a cloth dampened in clean water. Dhyawitoft cloth.

• DO NOT SPRAY CLEANING AGENTS OR WAXES DIRECTLY ONTO THE FRONT PANEL. This action may damage the sensor, cause an alarm or cause an alarm malfunction.

• OBSERVE THE COLOR OF THE INDICATOR LIGHT. At frequent intervals and during your weekly test, check the inodiciant on the on the front panel of the alarm.

• See the section<u>Operation</u>, in this manual for further information.

PROCEDURES TO TAKE DURING AN ALARM

Follow the alarm procedures for your country. The emergenucryber depends on your travel location.

PROCEDURES TO TAKE DURING GAS ALARM

1. Turn off all Gas appliances (Stove, Heater, Furnace,

- Refrigerator, etc.), extinguish all flames and smoking mætrial. 2. Press the Test/Mute switch. DO NOT DISCONNECT
- POWER
- 3. Evacuate the RV. Make sure everyone is accounted for. Leave the door and windows open.
- 4. Turn off the propane tank valve.
- 5. Determine and repair the source of the leak. Get pressional help if necessary. CAUTION- DO NOT RE-ENTER UNTL THE PROBLEM IS CORRECTED.

PROCEDURES TO TAKE DURING A CO ALARM IN THE USA

WARNING : Actuation of this device indicates the presence of carbon monoxide (CO) or propane gases, which can KILL YOU. If signal sounds (4 beeps and flashing solid red light):1) Operate the Test/Mute butto?); Call your emergency local service (Phone Number ______) (fire department or 911); Immediately move to fresh air - outdoors or by an open door/window. Check that all persons are accounted for. Do not reenter the premises oeraway from the open door / window until the emergency responders have arrived, the premises have been aired out and yarur al remains in its normal operation?) After following steps 1-3, if your alarm reactivates within a 24-hour period, repsends 1-3 and call a qualified appliantechnician. (Phone Number

<u>burning equipment and appliances, and inspect for proper</u> operation of this equipment. If problems are identified not this inspection have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturers' instructions, o contact the manufacturer directly, for more informatabout CO safety and this equipment. Make sure that the motor vehicles are not, and have not been, operating intached garage or adjacent to the residence.

PROCEDURES TO TAKE DURING A CO ALARM IN CANADA

WARNING: Actuation of this device indicates the presence of carbon monoxide (CO) and propane gases which can KILL YOU. If signal sounds (4 beeps and flashing or solid red light: 1) Operate the Test/Mute. Immediately movereshif air - outdoors or by an open door/window. Check that all persons are accounted for. Do not reenter the preomises ve away from the open door/window until the emergency responders have arrived, the premises have been aireathdut your alarm remains in its normal condition; 2) calluyo emergency local service (telephone number _____) (Fire department or 911).



End of Life Signal - The Sensor has a 5 Year Servicefei All 70 Series models include an End of Life (EOL) Signalicating the sensor has reached the end of its service life can chyst replace the alarm. The signal is the LED flashing REED GREEN GREEN with a beep every 25-30 seconds. The EOL Signal Sustemer Service Phone No. - 800-383-0269 may be reset by pushing TEST / RESET button on the altrins Fax No. 847-546-9007 may be reset by pushing TEST / RESET button on the altering will reset the EOL Signal for a period of 72 hours (Qsdafor a total of up to 30 days. After 30 days the signal cannoesset and the alarm must be replaced. DO NOT DISCONNECT THE ALARM UNTIL YOU HAVE A REPLACEMENT ALARM AVAILABLE TO INSTALL.

MODELS	70-742, 70-742-MS, 70-742-R Kit, 70-742-R-MS Kit
POWER SUPPLY NOMINAL CURRENT DRAW OPERATIONAL TEMPERATURE	12 VDC 108 mA -40° F to +150° F -40° C to +66° C
RELATIVE HUMIDITY AUDIBLE OUTPUT	15% (+/- 5%) to 95% (+/- 4%) 85 dB @ 10 feet
GAS ALARM TRIGGER GAS LEVEL CONFIRMATION	< 25% of the LEL of Propane and Methane 8 Second delay before alarm
CO ALARM TRIGGER	4 -15 Minutes @ 400 ppm
CASE DIMENSIONS	6.5"W x 3.5"H x 1.38"D
WARRANTY	1 Year Limited
TESTING LABORATORY STANDARD	Underwriters Laboratories UL 1484, Fourth Edition

LIMITED PRODUCTS WARRANTY

MTI INDUSTRIES, INC . warrants to the original retail purchaser that its Production Date products will be free from defects of material or worknhaps for a period of One (1) year from the date of retail purchase. If venoto have been defective in original materials or workmanship and retdrndelivery costs prepaid, MTI INDUSTRIES, INC. will replace this produce of charge.

UL 2034. Third Edition

LIMITS OF WARRANTY

Replacement is your exclusive remedy under this limited waynar any other warranty (including any implied warranty of merchanitybfbr a particular purpose). Any and all implied warranties or othen tability or fitness for a particular purpose shall be limited to wharranty period from the original date of retail purchase. MTI INDUSTRIENC., its dealers and distributors shall in no case be responsible or in anyialate for any incidental or consequential damages for any reason. Sources sto not allow the limitation or exclusion of incidental or consecting rdamages, or allow limitations on how long an implied warranty lasts, the above limitations may not apply to you. This warranty gives specific rights, and you may also have other rights, which may vary, fitate so state.

PRODUCT NOT WARRANTED

NOTE- There are no user serviceable parts inside the case. Oping any SAFE-T-ALERT[™] product for any reason voids the warranty. This warranty does not cover damage or failure resulting frots of God, abuse, misuse, neglect, or faulty installation

WARRANTY RETURN PROCEDURES

It is MTI's experience that a CO / Propane Gas Alarsoisnding for a reason. Call, ask your dealer to call, or e-mail out@uer Service Department (as listed below) to trouble shoot the siduat

E-mail Service@mtiindustries.com Web Site: www.mtiindustries.com

If Customer Service determines that the unit is defectivReplacement Authorization (RA) number will be issued to product will be accepted for service or replacement without first obtaining a RA number.

If authorized, return this product to:

MTI Industries, Inc. Warranty Dept. RA # (INSERT RA NUMBER HERE) 31632 N. Ellis Drive Unit 301 Volo, IL 60073 NOTE: Mark the RA number in the area shown on the atside of the box! NOTE: 70-742 is the basic unit (Single-station) with no interconmectelay, and no solenoid. 70-742-MS is the Multi-station unit with interconnect, no yearnd no solenoid. 70-742-R Kit is the basic unit (Single-station) with no interrect, with a relay, and with a solenoid. 70-742-R-MS Kit is the Multi-station unit with interconnextth a relay, and with a solenoid.

OWNERS REPLACEMENT RECORD

Replace thisSAFE-T-ALERT[™] 70 SERIES CO / GASpropane alarm within 5 years, of the production date on the back of them.

Replace Date _____

NOTE: The replacement date indicates the date beyond which th device may no longer detect accurately.

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Installer



Television Connection and Antenna

An external antenna is mounted on the roof and the signal can vary while the motor home is in motion, parked in a fringe area, or near large obstacles. An external cable connection is supplied and an A/B switch is mounted neat the TV to allow switching between cabe TV and antenna. Button A is used for antenna; Button B is for Cable TV (or the optional satellite dish). You must turn off the antenna at the hook-up behind the front TV to receive calbe on the front TV. The antenna has a remote control to align the antenna to the TV station you want.



Firestone Ride-Rite Suspension



Your Ford Chassis is equipped with a Firestone Ride-Rite air suspension which will help to smooth out the ride and dampen road irregularities.



Firestone Ride-Rite Systems are adjustable by raising/lowering the air pressure on each side of the vehicle. The control panel and pressure gauge is located on the face of the upholstered cabinets, just above the driver's chair. By adjusting the air pressure in the left/ right side of the vehicle you can smooth out the ride and give added support to the suspension to compensate for uneven loading and weight distribution of the vehicle.

Recommended Air Pressure:

26/27 Foot Motorhomes80 lbs23 Foot Motorhomes50-60 lbs

*** Adjust the pressure according to your comfort and the load you are carrying. ***

The compressor pump for the air ride suspension is located on the outside of the chassis frame just behind the driver's side door.





Firestone Ride-Rite Installation Manual



Insert Ride-Rite Installation Manual Here



Firestone Ride-Rite Operating Instructions



Insert Firestone Operating Instructions Here



Hydraulic Room Extension



HWH Hydraulic Room Extensions (Slide Outs) are Standard Equipment on the following models:

221 XL 232 XL 261 XL 271 XL 272 XL



Mercedes-Benz

HWH Hydarulic Room Extensions (Slide Outs) are Optional on Mercedes Benz Chassis.

Read Owner's manual for room extension system before operating.

To Extend:

Level motor home and set parking brake before extending slide-out portion.

Turn ignition key to accessory position, turn control panel key of ON position and push switch to extend.

Turn off control panel and ignition switch and remove keys.

To Retract:

Set parking brake, turn ignition to accessory position, turn control panel key to ON and push switch to retract.

Turn off control panel and ignition switch and remove keys.



Insert HWH Slide Out Manual Here



Fully Automatic Leveling System



Standard on 272 XL Models Optional Equipment on 221 XL, 232 XL, 261 XL and 271 XL Models



Not Available on Mercedes Benz Chassis

Sometimes refered to as Leveling Jacks, the Fully Automatic Leveling System by HWH uses the hydraulic pumps for your Room Extensions (Slide-Outs) and a computer control to level your motorhome on bumpy or uneven ground when at a campsite. See the HWH operator's manual for complete information of the #625 computer controlled leveling system.



Illumagrip Entry Handle

Coach House lighted Illumagrip Entry Handles



Caring for your IllumaGrip[™] Assist Handles CLEANING:

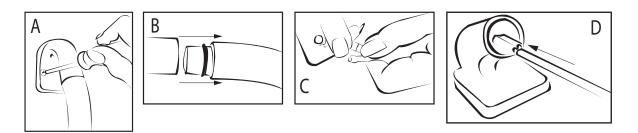
These handles must be cleaned with mild soap and water only. Use of any harsh or abrasive cleaning agents will void all warranties.

Clean with lukewarm water a mild, nonabrasive cleaner and a clean, soft cloth. Use only light pressure and avoid rubbing dirt or grit into the surface. Turn the cloth often and replace with a clean cloth frequently.

LED CHANGING:

Many of our handles are lit with an LED assembly in the end cap. If you need to replace the LED, follow these simple instructions.

- 1. Remove the screws holding the handle to the mounting surface. (See Fig. A)
- 2. Gently pull the handle from surface, being careful not to pull too hard on the wiring.
- 3. Remove the top end cap where the LED is housed. (See Fig. B)
- 4. Locate the LED assembly wiring that will exit the top end cap.
- 5. Pull the quick disconnect fittings apart. (See Fig. C) Be careful not to let the wiring fall back into the wall. We suggest taping the wiring to the side of the mounting surface until you're ready to connect the new LED
- 6. Push the LED wires until the LED assembly exits the front of the end cap.
- 7. Pull the LED completely out of the end cap.
- 8. Push the new LED assembly into the front of the end cap making sure the wires exit through the back side of the end cap. (See Fig. D)
- 9. Connect the quick disconnect fittings from the new LED assembly to the wiring.
- 10. Bring power to your light to make sure that the connection is correct. LEDs are polarity sensitive. If the LED will not light, reverse the connections (quick disconnect fittings)
- 11. Push the wiring into the wall and reattach the screws holding the handle to the wall.





CORPORATE: 230 E. Lakewood Blvd., PO Box 8338, Holland, MI 49422-8338 Phone: 616-396-1355 ~ Fax: 616-396-1152 ELKHART: 1015 Verdant, Elkhart, IN 46516 Phone 574-389-8986 - Fax: 574-389-8687 E-Mail: sales@itc-us.com Websites: www.itc-marine.com; www.itc-rv.com; www.itc-industrial.com



3480 Technology Drive • Nokomis • Florida (800) 235-0984 • (941) 485-0984 • (941) 488-4095 FAX ON THE WEB: WWW.COACHHOUSERV.COM EMAIL: INFO@COACHHOUSERV.COM

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IllumaGripTM Installation Instructions

The IllumaGrip[™] series of assist handles are shipped completely assembled and either glued or taped in final installation position. This assure that the handle will be in the correct orientation when installed on your unit. In order to maintain the correct orientation of the components, the following installation procedure is recommended.

NOTE:

IllumaGrip[™] II end caps are shipped with tape around the joints between the acrylic handle and the end cap. Leave this tape in place until installation in complete. IllumaGrip[™] I and III end caps are glued to the acrylic.

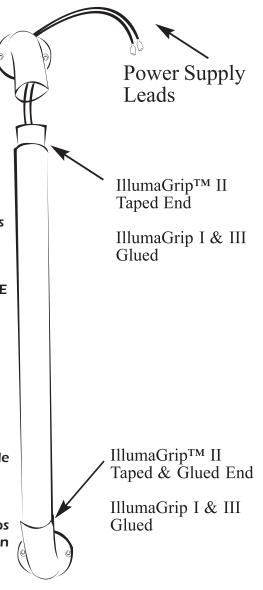
MOUNTING YOUR HANDLES:

 Alight the IllumaGrip[™] in the desired mounting location and mark screw holes.
 IF YOUR HANDLE IS UNLIT, PROCEED WITH STEPS 3-5

IF YOUR HANDLE IS UNLIF, PROCEED WITH STEPS 3-3 IF YOUR HANDLE IS LIT WITH AN LED: Pre-drill the wire access hole through the wall and locate the connection wiring. Connect the supplied wire pigtail and connectors to your internal wiring. Test the light.

CAUTION: LED's are polarity sensitive. The BLACK wire must connect to the POSITIVE side of the vehicle's 12 volt line. The WHITE wire must connect to the NEGATIVE (GROUND) of the vehicle's 12 volt line.

- 2. Feed the wires from the top end cap through the hole you made in step 1.
- 3. Install #8 flat head screws to mount the end caps.
- 4. Apply a slight downward pressure on the top end cap may assist in alignment of the top end cap of the handle to the unit and hold the end cap firmly to the acrylic while installing. Torque all screws to the point where they are firmly seated into the countersink of the base.
- 5. Remove the shipping tape (if present) from both end caps where they join to the acrylic and the protective sleeve on the acrylic (if present).





CORPORATE: 230 E. Lakewood Blvd., PO Box 8338, Holland, MI 49422-8338 Phone: 616-396-1355 ~ Fax: 616-396-1152 ELKHART: 1015 Verdant, Elkhart, IN 46516 Phone 574-389-8986 - Fax: 574-389-8687

E-Mail: sales@itc-us.com Websites: www.itc-marine.com; www.itc-rv.com; www.itc-industrial.com 0905



ITC INCORPORATED CONDITIONS OF SALE (Quotation/Confirmation)

1. Expiration of Quotation. Any quotation by ITC, Incorporated ("ITC") will be held open for acceptance for a period of 60 days from the date of the quotation; however, ITC reserves the right to correct clerical and typographical errors, including price and quantity numbers, within 15 days after acceptance of an order based on the quotation.

2. Acceptance. This order is subject to the following terms and conditions. Terms stated by the Buyer in any other communication, prior or subsequent hereto, shall NOT be binding on ITC if different from or in addition to any of the provisions hereof or the quotation, unless expressly agreed to in writing by ITC. Acceptance by the Buyer of this order, orally or in writing, or of any goods provided hereunder or payment therefore, shall constitute acceptance of these terms and conditions. 3. Payment. Payment is due on a NET 30 DAYS basis unless otherwise agreed in writing. All payments not made by the due date shall bear interest at a rate of 11/% per month. If the Buyer fails to fulfill the terms of payment, or ITC has any doubt at any time as

So regiment. Fayments due of a full so bette out to be the basis times out the basis times out the angle of the mining. An payments of the due due due to the bayer's financial responsibility. If Can subject the diverse execution incurred in collecting any past due sums, including attorneys' fees. To secure the Buyer's obligation to pay ITC the purchase price of the goods, the Buyer grants to ITC a security interest in the goods and any proceeds thereof, with full rights as a secured party under the Uniform Commercial Code, and the Buyer and the buyer appoints ITC as its attorney in fact to sign any financing statements evidencing such security interest on behalf of the Buyer. A. Shipment and Risk of Loss. The Buyer shall take delivery of the goods. D.B. ITC's facility, unless otherwise agreed in writing. Method and route of shipment are at ITC's discretion, unless the Buyer supplies instructions otherwise. All expenses and risks of loss or any damages incurred in the transportation of the goods, including any risks of loss in loading or unloading, shall be borne solely by the Buyer, unless otherwise specified. All claims for loss, damage or delay against the carrier must be made by the Buyer.

The Buyer shall accept partial delivery of any order and any defect related to said partial delivery or failure to make delivery of any control the antice and the said partial delivery of any control the antice and the said partial delivery of any control the antice and the said partial delivery of any control the antice and the said partial delivery of any control the antice and the antice an

6. Rejection of Non-Conforming Goods. The Buyer must notify ITC in writing of any rejection of goods deemed non-conforming within 6 months of delivery. The notification shall identify each alleged non-conforming of the goods and describe that portion of the shipment being rejected. If the Buyer shall fail to give such notice or if the Buyer uses the goods in any manner inconsistent with the rights of ITC, the goods shall be deemed to conform to the terms hereof in all respects and the Buyer shall be bound to accept and pay for the goods in accordance with these terms.

To cancellation or Modification. Any order accepted by ITC may be canceled or modified by the Buyer only upon the written approval of ITC. The Buyer shall reimburse ITC for all expenses incurred by ITC in connection with such order, including without limitation for engineering drawings and materials. Custom parts specifically designed and/or manufactured for the Buyer are subject to notification in writing to ITC by the Buyer in the event of any one of the following occurrences: 1) the termination of any program that would affect the custom part purchases, 2) any engineering change pertaining to the custom part, and 3) any decision that would cause the Buyer to cease purchases of the custom part. In any one of these occurrences, other than non-performance by ITC, the Buyer agrees to pay ITC for inventory held by ITC.

by I.C. the objet agles to pay I/C to internation flexibly flex. United Market and Damages. ITC warrants the goods to be free from defects in material or workmanship under normal operating conditions from the date of delivery, regardless of the date of installation or first use. In the event Buyer supplied the drawings for the goods, ITC's warranty is further limited to manufacturing the goods to the specifications on the drawings and ITC assumes no obligation or liability for design and/or fitness for particular purpose. Any claim under this warranty shall be deemed waived unless ITC is notified within 30 days of the discovery of the defect and given the opportunity to inspect such defect, and, if necessary, the goods are returned to ITC. ITC's obligation under this warranty shall be modification, repair or replacement of the goods by ITC. In or event shall ITC be liable for consequential, incidental or special damages, loss of profit or production, or for transportation, installation or other costs associated with the goods. THIS WARRANTY IS EXPRESSLY MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This warranty shall

not apply to any goods which have been subject to abuse, accident, alteration or misuse. A comparison of the provided of the second construction of the second construction of the product liability. The second construction of the second construct

10. Reliance Upon Buyer's Information. In the preparation of the quotation and the goods, ITC has relied on information supplied by the Buyer. In the event such information is inaccurate, ITC shall not be liable for any claim resulting from such inaccurate information, including negligence, strict or product liability, or breach of warranty or contract, with respect to the goods, the performance of breach of this contract, or any defects of design, material or workmanship.

11. Indemnification. Buyer shall defend, indemnify and hold harmless ITC and its agents from any claims, damages or expenses including attorneys' fees, arising or alleged to arise from any asserted deficiencies or defects in the goods caused by any alteration thereof with or without ITC's consent made by the Buyer, the improper handling, storage or installation by the Buyer, or any action taken by the Buyer which voids the UL certification. 12. Non-Performance. Neither party shall be liable to the other for failure to perform its obligation in whole or in part when performance is prevented by flood, drought, fir or any other casualty, war, riot, insurrection, acts of God, restrictions or interference by any and the state of the state o

government or governmental agency, strike, labor action, or any similar cause beyond the control of the party failing to perform, for the period during which such cause of failure exists. 13. Limitation Period for Bringing Action. No action may be commenced to enforce this contract or for any breach hereof, or for any defect or deficiency of the goods to be delivered hereunder, whether on warranty, contract, negligence, or strict products liability,

unless such action is brought within 12 months after accrual of such cause of action.

14. Choice of Law and Forum. This contracts shall be governed by the laws of the State of Michigan, notwithstanding any state's choice of law rules to the contrary. The Buyer consents and agrees that any action brought to enforce this contract, or for any breach hereof, or for any defect or deficiency of the goods to be delivered hereunder, whether on warranty, contract, negligence, or strict products liability, shall be brought solely in a state or federal court sitting in the State of Michigan, and the Buyer consents and submits to the jurisdiction of such court.

GENERAL PRODUCT LIMITED WARRANTY

TTC warrants, to the original consumer, that the product will be free of defects in materials and/or workmanship for the period of time set forth herein. This warranty period will begin from the later of the original date of purchase of the product or the date of sale of the recreational vehicle or boat in which the product is installed is first sold to the first consumer provided that adequate documentation of said consumer sale date is provided to ITC. Adequacy of the authenticity of the consumer sale date will be determined by ITC in it sole discretion. In the event the consumer sale date is not provided or not determined to be adequate by ITC, then the warranty period will begin on the original date of purchase of the product from ITC. Except as set forth below, this general product initiate warranty will extend for three years. All exterior faucets, exterior showers, exterior plumbing products, and clocks will have a one year warranty period. All assist handles will have a two year warranty period, provided that crazing caused by chemical attack from a contaminant is not covered by any warranty. Products that are primarily comprised of 316 stainless steel will have a five year warranty period. Bulbs, including halogen, incandescent, xenon, and light emitting diodes (LEDs) are excluded from the warranty.

MAXIMUM LIABILITY ITC's liability to repair or replace a damaged item shall be limited to the original purchaser of the item at the original invoice price of the damaged unit, acceptable labor charges, acceptable freight charges, and dealer charge backs mandated by state law. ITC will not credit customers for excessive labor or freight charges or unauthorized dealer or customer markup fees. Acceptable freight and labor charges are available from ITC upon request.

INSPECTION ITC reserves the right to review the damaged product and the site where the damage occurred. ITC may require the purchaser to ship the item to ITC for inspection. The damaged item must remain available for inspection until the claim is finalized. In the event ITC requests to inspect the product, it agrees to dispatch its findings pertaining to the alleged defective product within 45 days of receiving the product. Whenever claims are settled, ITC reserves the right to be subrogated under any existing insurance policies the purchaser may have.

EVENTS THAT VOID WARRANTY All above warranties are null and void if any one or more of the following events occurs: (a) the item is not provided to ITC for inspection upon ITC's request; (b) ITC determines that the item has been improperly installed, altered in any way or tampered with; (c) ITC determines that the item was not used under normal operating conditions or in accordance with labels or instructions for the item including, (d) ITC determines the product was not properly maintained, and/or; e) ITC determines that an unauthorized repair, modification, disassembly, or other changes to the product created the alleged defect. In addition to the foregoing, this Warranty does not protect against damage to the product when ITC determines, in its sole discretion, that the damage resulted from acts of God such as lightning, flood, earthquake, war, vandalism, theft, normal-use wear and tear, terrorism, strikes, and labor stoppages. This warranty specifically excludes damage, deterioration or discoloration caused by sunlight or similar ultraviolet rays and/or wavelengths and/or dents, holes or scratches to the unit caused by stones, rocks, debris and/or vehicles.

EXCLUSIVE REMEDY This Warranty contains the sole warranty of ITC with respect to the product and is given in lieu of all other warranties. There are no other warranties, express or implied, including implied warranties of merchantability or fitness for a particular purpose and any implied warranties that cannot be waived and/or excluded are hereby limited in duration to the terms of this Warranty.1

LIMITATION ON LIABILITY In no event shall ITC or any affiliate of ITC be liable for direct, indirect, special, incidental, consequential, or multiple damages arising out of the use of the item, regardless of the legal theory on which such claim is based, even if ITC has been advised of the possibility of such damage. Consequential damages shall include, but are not limited to loss of profils, loss of savings or revenue.

1 Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not be applicable

ITC SAMPLE POLICY

We at ITC understand the necessity of sending out samples to our customers for review for product quality and to determine if the product will work in the application for which it has been suggested. It is not cost-effective for us to send samples to all of our customers without charging or memo-billing for some of the products because of the prohibitive costs involved in doing so. It is the policy of ITC to send out samples at no charge for any items if the accumulated invoice amount of the samples is not over US\$60.00. In the event that the invoice amount exceeds US\$60.15 or policy to send the customers are mon bill. The meno bill would because payle be you be customer after 90 days if they have not returned the products to either an ITC representative or returned the products against an RGA. We understand that variations to this policy will sometimes be required. When such circumstances arise, the customer's ITC representative is responsible for communicating the deviation from the policy throughout the ITC organization, which includes, but is not limited to, customer service and accounts receivable.

ITC RETURN POLICY

1) ITC will accept absolutely no returns for product found defective at the distributor or returned by a dealer or customer as a warranty claim without a Return Authorization Number (RGA). Customers should contact our Quality Department (Phone 616-396-1355 or Fax 616-394-5881 or Email: quality@itc-us.com) to obtain a Return Authorization Number (RGA) prior to sending product back to ITC, Inc.

2) All correspondence and credits pertaining to the alleged non-conforming product will reference the RGA number. If your company uses its own return goods numbering system, ITC will make every effort to include both reference numbers on ITC's RGA. All returns must be accommodated by our RGA number or they will not be processed. If product is received without our RGA number written on the outside of the carton, it will be refused upon receipt. All customers have 90 days to return product or the RGA will be voided.

3) ITC will reimburse a customer for credit on returned parts that are determined defective by ITC. Credit is entered based on the current Distributor quoted price for said part, acceptable labor charges and Dealer charge backs mandated by State law. ITC will not credit customers for unauthorized Dealer mark-ups or customer mark-up fees.

4) ITC will not issue credit for parts that were damaged or inappropriately handled by customer. Alterations to an ITC part will invalidate the warranty.

5) To preserve your claim, please securely package all parts before shipping to ITC. All claims are reviewed by ITC's Quality Department to determine the validity of the claim.

6) Invalid returned parts (non-ITC parts) shall be held for 15 days maximum, then destroyed or returned at customer's expense, ITC will notify customer accordingly. Repeated submission of invalid parts will warrant us charging the offending customer a handling fee. If a part is damaged or lost during transit, customer is responsible for directing a claim to the courier service, not ITC.

7) ITC is not responsible for freight charges of parts that the customer has ordered in error or for parts that are found not defective. For all returns and warranty claims accepted by ITC, the chart below shows the maximum amount of ground freight charges allowed which are refundable by ITC (over 20 LBS requires prior approval).

8)A 25% or \$25.00 (whichever is greater) restocking fee will be invoiced or deducted from the return credit for parts that are not defective or parts ordered in error

9) If a scrap credit is authorized by ITC, we will issue an RGA number and apply the credit to the customer's account without inspecting the product or having it returned to ITC.

ITC warranty is attached for reference purposes CORPORATE OFFICE:

ITC Incorporated 230 E. Lakewood Blvd., PO Box 8338 Holland, MI 49422-8338 Fax: (616) 396-1152



ELKHART OFFICE ITC Incorporated 1015 Verdant Elkhart, IN 46516 Phone: (616) 396-1355 Phone: (574) 389-8986 Fax: (574) 389-8687

Revised 9/14/09



Hardwood Cabinet Doors



Limited Three Year Warranty for Coach House Owners

Congratulations on the purchase of a *Coach House* Luxury Motor Home! This warranty covers the wood cabinet doors found throughout your new motor home.

Wood is a material formed by nature not man and must be handled as such. Characteristics of wood are what give it its beauty and charm. Therefore, there may be some slight color variances due to the natural color variations in wood. The infinite variety in color, grain, and texture is what gives wood its natural character. Because of the differences among varying wood species, even within the same species, no two trees are alike. Climate, light, rainfall and minerals in the soil all create diverse and unique grain and color patterns in each piece of wood. These natural variations are not considered defects. We guarantee our doors free from defect in material and workanship for three years from the purchse date of your Coach House model. Our warranty applies to the original motor home owner only.

Natural wood will expand and contract with climate and temperature conditions. Our doors are built to allow for proper wood movement. We will not be liable for damages done due to negligence or improper handling and/or cleaning of our doors.

We will guarantee against warpage, twisting or swelling for doors that have been given responsible treament and are within our minimum or maximum sizes. Warp or twist of 3/16" or less is not considered a defect.

Reasonable Treatment Required for Wood Doors

Doors should not be subjected to abnormal heat, cold, extreme humid or dry conditions or any sudden changes in temperatrue or humidity and they should never be left open to the elements.

Replacement Policy

Contact your salesperson withing one business week of receiving the defective materials. Your representative will arrange to inspect the doors. We may request the defective products be returned for inspection; if so please repackage the doors for shipment. We will have the materials returned to us at no charge to you. In order to minimize the inconvenience to your, Georgia Hardwoods will do our best to replace any defective products as soon as possible.

Contact Information

For Warranty Issues, please contact us at 800-992-6462 to initiate the claim process.



4 Ton Bottle Jack



ATD TOOLS, INC.

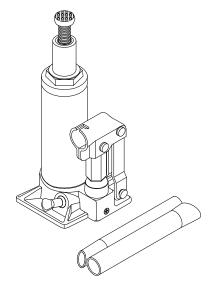
PRODUCT SPECIFICATIONS

MODEL #: DESCRIPTION: CAPACITY:

JACK SIZE: MIN. HEIGHT: MAX. HEIGHT: SCREW EXT.: HANDLE LENGTH: OPERATING FORCE: SADDLE DIM.: VOLUME OF HD. OIL:

NET WEIGHT: GROSS WEIGHT: COLOR BOX DIM.: CARTON BOX DIM.: CUFT.: 7381 BOTTLE JACK 4 TON 4" (L) X 3 7/8" (W) 8 1/8" 15 1/2" 2 3/8" 135/8" 107.0 LBS 1 1/8" 126 C.C.

8.1 LB 50.8 LB/ 6 PCs 41/4" (L) X 4 1/8" (W) X 8 3/4" (H) 13 5/8" (L) X 9 1/2" (W) X 9 7/8" (H) 0.73 CUFT (4542 PCs/ 20' CTN)



FEATURE

- MEETS ASME/ANSI PALD SAFETY STANDARDS
- LIFTING RANGE: 8 1/8" TO 15 1/2"
- PATENTED BUILT-IN BY-PASS DEVICE MECHANISM
- TWO PCS. HANDLE
- HEAT TREATED EXTENSION
 SCREW



3480 Technology Drive • Nokomis • Florida (800) 235-0984 • (941) 485-0984 • (941) 488-4095 FAX ON THE WEB: WWW.COACHHOUSERV.COM EMAIL: INFO@COACHHOUSERV.COM

Updated Nov. 14, '00



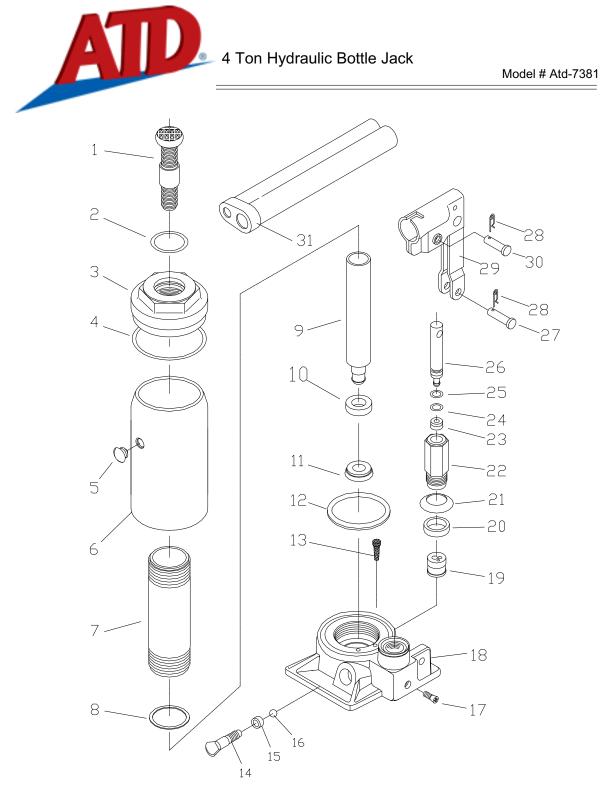
SPARE PARTS LIST

Model # Atd-7381

ITEM	PARTCODE	DESCRIPTION	QTY
1	N/A	extension screw	1
2	*	o-ring	1
2 3 4	N/A	top nut	1
	*	gasket (upper)	1
5	5905-00100-000	filler plug	1
6	B040-10001-000	reservoir	1
7	*	cylinder	1
8	*	washer	1
9	*	ram piston	1
10	*	back-up ring	1
11	*	u-cup	1
12	*	gasket	1
13	B020-10003-000		1
14	B020-10005-000	release valve	1
15	*	seal	1
16	5601-00635-000	steel ball	1
17	*	screw	1
18	*	base	1
19	B020-16000-000	hyd. cartridge	1
20	*	seal	1
21	B020-15002-000	washer	1
22	B020-15001-000		1
23	*	u-cup	1
24	*	back-up ring	1
25	*	o-ring	1
26	B020-15101-000	pump piston	1
27	5405-08024-000	pin	1
28	5405-02018-000	snap ring	2
29	B020-14000-000		
30	5405-07024-000	pin	1
31	B020-20000-000	handle	1

* part is not available





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