FEDERAL INDUSTRIES

INSTALLATION & OPERATIONS INSTRUCTIONS REFRIGERATED SSRC MODELS



KEEP THIS MANUAL FOR FUTURE REFERENCE

Engineering and technical data are subject to change without notice.

FEDERAL INDUSTRIES Toll Free 1(800) 356-4206 P.O. Box 290 WI Phone (608) 424-3331 Belleville, WI 53508 Fax: (608) 424-3234

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INTRODUCTION

Thank you for purchasing a Federal Industries display case. This manual contains important instructions for installing and servicing the Refrigerated Self-Service Merchandisers. A repair parts list and wiring diagram are also included in the manual. Read all of these documents carefully before installing or servicing your case.



NOTICE

Read this manual before installing your case. Keep this manual and refer to it before doing any service on the equipment. Failure to do so could result in personal injury or damage to the case.



NOTICE

Installation and service of the electrical components in the case must be performed by a licensed electrician.

The portions of this manual covering components contain technical instructions intended only for persons qualified to perform electrical work.



DANGER

Improper or faulty hookup of electrical components in the case can result in severe injury or death.

All electrical wiring hookups must be done in accordance with all applicable local, regional, or national standards.

SERIAL NUMBER

Record the model and serial numbers of the case for	or easy reference.	Always refer to both model and serial
numbers in your correspondence regarding the cas	e.	
Case Model	_ Serial Number_	
Condensing Unit Model	_ Serial Number_	

This manual cannot cover every installation, use, or service situation. If you need additional information, call or write us:

WARRANTY/TECHNICAL SERVICE DEPARTMENT
Federal Industries
P.O. Box 290
Belleville, WI 53508
Toll Free (800) 356-4206 / WI Phone (608) 424-3331

WARNING LABELS & SAFETY INSTRUCTIONS



This is the safety-alert symbol. When you see this symbol on your case or in the manual, be alert to the potential for personal injury or damage to your equipment.

Be sure you understand all safety messages and always follow recommended precautions and safe operating procedures.



NOTICE TO EMPLOYERS

You must make sure that everyone who installs, uses, or services your case is thoroughly familiar with all safety information and procedures.

Important safety information is presented in this section and throughout the manual. The Following signal words are used in the warning and safety messages:

DANGER: Severe injury or death <u>will</u> occur if you ignore the message.

WARNING: Severe injury or death <u>can</u> occur if you ignore the message.

CAUTION: Minor injury or damage to your case <u>can</u> occur if you ignore the message.

NOTICE: This is important installation, operation, or service information. If you ignore the

message, you may damage your case.

The warning and safety labels shown throughout this manual are placed on your Federal Industries case at the factory. Follow all warning label instructions. If any warning or safety labels become lost or damaged, call our customer service department at 1(800) 356-4206 for replacements.



This label is located on the back of the display case.

CAUTION
HAZARDOUS MOVING PARTS
DO NOT OPERATE UNIT WITH
DISPLAY PANS REMOVED.

This label is located below the display pan.

PRE-INSTALLATION PROCEDURES

Inspection for Shipping Damage

You are responsible for filing all freight claims with the delivering truck line. Inspect all cartons and crates for damage as soon as they arrive. If damage is noted to shipping crates, cartons, or if a shortage is found, note this on the bill of lading (all copies) prior to signing.

If damage is discovered when the case is uncrated, immediately call the delivering truck line and follow up the call with a written report indicating concealed damage to your shipment. Ask for an immediate inspection of your concealed damage item. Crating material must be retained to show the inspector from the truck line.

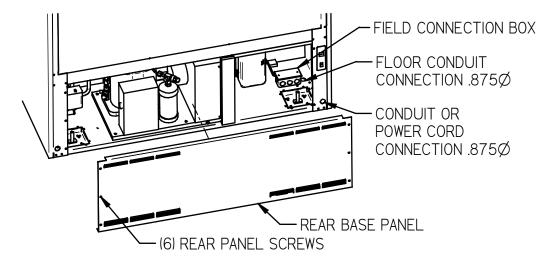
GENERAL ELECTRICAL & GROUNDING



DANGER: Improper or faulty hookup of electrical components in the display case can result in severe injury or death.

Permanent Connected (OPTION)

- -Only a licensed electrician must perform all case electrical connections.
- -All electrical wiring hookups must be done in accordance with all applicable local, regional, or national electrical standards.
- -A separate circuit for each display case is required to prevent other appliances on the same circuit from overloading the circuit and causing malfunction.
- -The electrical service must be grounded upon installation.
- -See the electrical data plate located at the rear of the case for proper circuit size and wire ampacity.
- -The electrical connection box is accessible from the rear of the case with rear grill removed.



Cord Connected (OPTION)

- -A factory installed optional power cord is properly sized to the amperage requirements of the case. See the electrical data plate located on the rear exterior of the case for the proper circuit size for each case.
- The cord is factory installed protruding from the rear corner of the case.
- -A separate circuit for each display case is required to prevent other appliances on the same circuit from overloading the circuit and causing malfunction.

INSTALLATION INSTRUCTIONS

Locating Display Case

The case should be located where it is not subjected to the direct rays of the sun, heating ducts, grills, radiator, or ceiling fans, nor should it be located near open doors or main door entrances. Also, avoid locations where there are excessive air movement or air disturbances.

The case requires a minimum of 12" clearance at the rear of the unit for air discharge. Do not locate case with back tight against the wall.

No clearance is needed on sides of the unit.

Removing Case From Shipping Skid and General Installation



CAUTION: Do not push or pull against the top end glass, or door frames and do not pull on end panels when removing the case from the skid or moving the case. Case damage or glass breakage will result.

- 1. Remove crate top and sides and note missing or damaged items as explained in the pre-installation procedures outlined above.
- 2. Move the case as near as possible to the final location and before removing it from the shipping skid.
- 3. Remove the (4) brackets that secure the case to the shipping skid.
- 4. Prepare cabinet according to instructions in this section that pertain to your model.
- 5. Lift the case off of skid and into required position. Only lift the case from under the rear lip and front bottom trim channel above the base. Note: Do not push or pull on front bottom trim channel.
- 6. The case must be level for proper drainage of defrost condensate to the condensate evaporator. Using the wrench provided level and square the case as needed by adjusting the leg leveler in each corner of base. The 6'cases also have a set of leg levelers in the center. These must be adjusted so the base is flat.
- 7. The leveled case must be sealed to the floor using a NSF Listed Sealant.

Cleaning

For initial setup, clean the case as outlined in the "Weekly Cleaning" section of this manual.

REFRIGERATION

Self Contained Models Use pressure gauges to set pressure control.

	SSRC3652	SSRC5052	SSRC5952	SSRC7752
Refrigeration R404 Charge	30 OZ	32 OZ	34 OZ	36 OZ
Low Pressure Switch Cut In	82 psi	82 psi	82 psi	82 psi
Low Pressure Switch Cut Out	51 psi	48 psi	45 psi	51 psi
High Pressure Switch Cut Out		400	psi	
TXV Setting (turns from full open) (Turn screw counter clockwise to stop for full open position)	1.5	1.5	1.5	1.5

The self-contained models are shipped from the factory with a completely operational 404A refrigeration system and require no modifications or adjustments upon installation. Case must be installed as per the installation section of this manual to provide proper condensing air cooling.

Self Contained Refrigeration Operation

The unit temperature is controlled by the low pressure side of a dual high/low pressure switch. The compressor will run until either the minimum run timer times out (approx 10 min) or the suction pressure reaches the set cut out point at which time the compressor turns off. The compressor will remain off until the suction pressure rises and reaches the set cut in point of the pressure switch at which time the compressor turns on.

Note: The condenser fan runs continuously.

This unit also has a defrost timer that will shut the compressor off a set number of times per day to insure a full defrost occurs. The compressor will remain off until the either the off time is reached or until the temperature sensor on the coil reaches a set temperature which ever happens first.

Remote Models Use pressure gauges to set pressure control.

	SSRC3652	SSRC5052	SSRC5952	SSRC7752
Refrigeration R404 Charge		CHARGE) IN FIELD	
Remote Low Press. Switch Cut In		5	0	
Remote Low Press. Switch Cut Out	30			
Remote High Press. Switch Cut Out	400 psi			
TXV Setting (turns from full open) (Turn screw counter clockwise to stop for full open position)	1.5	1.5	1.5	1.5

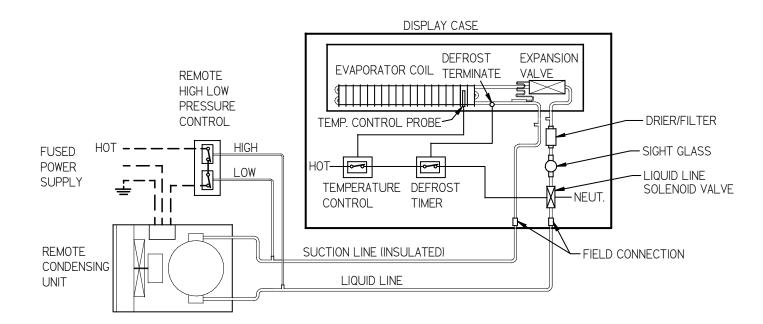
Remote Models

The remote models are designed to use 404A refrigerant and shipped from the factory with the evaporator coil, expansion valve, drier filter, sight glass and refrigerant solenoid valve. A thermostat senses evaporator temperature and opens and closes the refrigerant solenoid valve. The solenoid valve closes and shuts off the refrigeration flow to the unit and initiates a pump down cycle. This will allow the remote low pressure switch to open and shut off remote compressor. The temperature control may require some adjustment by

installer for proper operation of unit. This unit also has a defrost timer that will shut the refrigeration solenoid off a set number of times per day (set at factory for 3 times per day) to insure a full defrost occurs. The solenoid will remain off until the either the off time is reached or until the temperature sensor on the coil reaches a set temperature which ever happens first

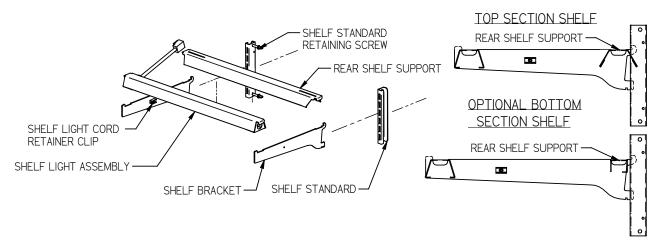
The condensing unit is optionally supplied from the factory for remote location installation. The condensing unit supplied from the factory will include a high low pressure switch that must be mounted and wired by the installer. The high low pressure switch must be wired in series with the compressor power supply as shown in diagram below. If the factory is not providing the condensing unit a high/low pressure switch will need to be supplied by installer and installed by installer.

- 1. Mount condensing unit indoors as close to the remote display case as practical. The refrigeration line should be as short as possible and must not exceed 30 feet.
- 2. All refrigeration and/or electrical materials between the condensing unit and display case are to be supplied by installing contractor.
- 3. Route properly sized and designed refrigeration lines from the condensing unit to the cabinet. Horizontal suction lines should be pitched downward towards the condensing unit at least ½" per 10' run to aid the oil drainage. A "P" trap must be installed in the suction line at the foot of every riser to insure oil return. Dry nitrogen must be used to flow through tubing while brazing refrigeration lines.
- 4. Suction line must be insulated the entire length with Armaflex (or equivalent). Do not run liquid line inside insulation with suction line.
- 5. The remote high/low-pressure control must be mounted, wired and set pressures by the installer.
- 6. Leak check condensing unit, cabinet, and all connecting tubing. Cabinet and condensing unit tubing should be checked to insure no leaks occurred during shipping or from rough handling. Make certain all refrigeration valves are opened and evacuate system to 500 microns. Charge the system with refrigerant type specified on the data plates.

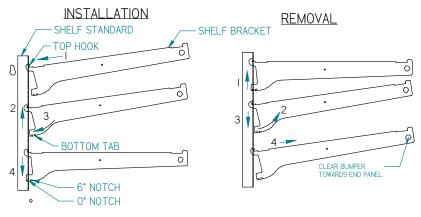


SHELVING INSTALLATION & REMOVAL

Shelf Bracket & Supports Installation



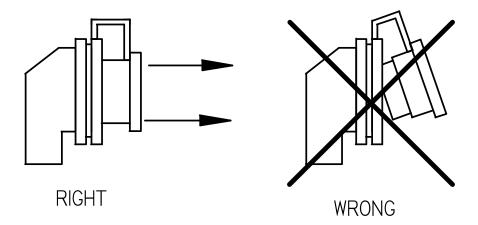
- 1. Turn the light switch to the off position. Remove rear doors as described in the "Rear Door Removal" section of this manual to allow access to interior of case.
- 2. Follow the instruction in the illustration below and insert (1) of the (2) shelf brackets in the desired shelf standard slot on one side of the case. Place the additional shelf bracket in the same shelf standard slot on the opposite end of case. The bracket with a shelf light cord retainer clip must be on the side with the shelf light receptacle.



- I. Place shelf bracket top hook into desired shelf standard slot.
- 2. Lift shelf bracket top hook to allow shelf bracket bottom tab to clear shelf standard slot.
- 3. Swing shelf bracketbottom tab into shelf standard
- 4. Place the desired shelf bracket notch of 0, 6, or 12 4. remove shelf bracket top from shelf standard slot. degrees onto bottom of shelf standard slot.
- I. Lift shelf bracket up to allow shelf bracket notch to clear the bottom of shelf standard slot.
- 2. Swing shelf bracket bottom tab out of shelf standard slot.
- 3. Drop shelf bracket down to allow shelf bracket top hook to clear top of shelf standard slot.
- 3. Hang one end of shelf light housing on the front notch of a shelf bracket and then the other end of shelf light housing on the notch of the shelf bracket on the opposite end.
 - NOTE: On models without shelf lights, use a shelf support instead of a shelf light housing.
- 4. Push shelf light cords into plastic shelf cord retainer clip located on inside of shelf bracket.

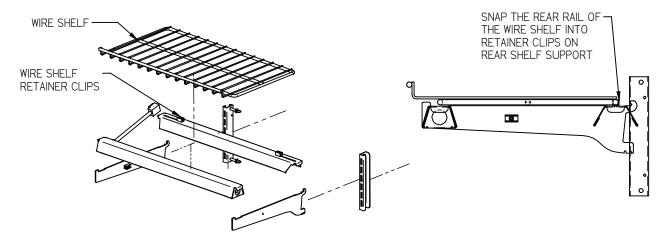
5. Remove the cap from the appropriate female light sockets.

IMPORTANT: Grip each side of cap firmly and wiggle and pull cap straight out of socket. Do not roll cap during removal. Incorrect removal of cap may cause damage to electrical connection.



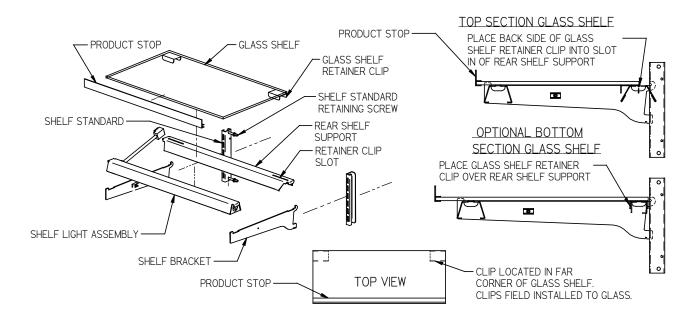
- 6. If the socket is not being used for a shelf light, the cap must be plugged into socket for entire light system to operate.
- 7. Plug in each shelf light by aligning the male pins on the appropriate shelf light cord plugs with the female light sockets and push together. **IMPORTANT:** Do not roll plug during insertion.
- 8. Hang one end of the shelf support on to the rear notch of one shelf bracket and then on the rear notch of the shelf bracket on the opposite side. NOTE: If the bottom open section shelf is supplied instead of step risers, the bottom rear support is not the same as the top rear support. See illustration above.
- 9. Place supplied shelving onto shelf supports as outlined in the appropriate "Shelf Installation" section of this manual.
- 10. Removal of shelving is performed by following steps in reverse order.
- 11. The shelf standards are removable from case by removing the (2) shelf standard retaining screws holding them to the inside wall of case.

Wire Shelves Installation



- 1. Install shelf brackets & shelf supports as described in Shelf Bracket & Supports Installation Section of this manual.
- 2. Place the front of wire shelf onto front shelf light. (On front shelf support for models without shelf lights)
- 3. Snap the rear of shelf into the clear plastic clips on rear shelf support.

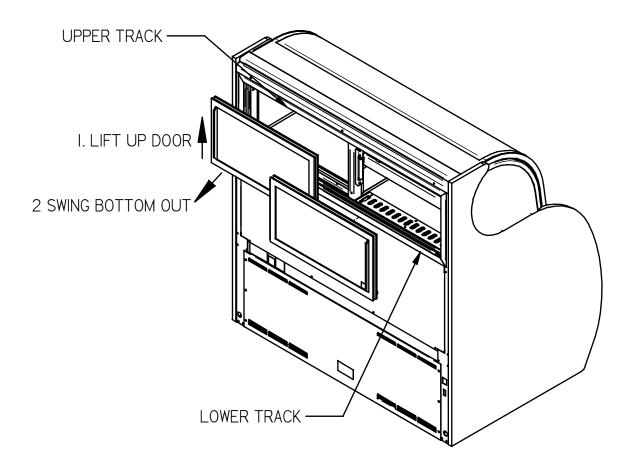
Glass Shelves Installation



- 1. For first time installation attach (2) glass shelf retainer clips to each glass shelf in location shown in illustration. Clean area of glass where glass shelf holder is to be located with rubbing alcohol and let air dry before installing shelf glass holder. Remove backing from tape located on flat side of glass shelf holder. Position the glass shelf holders in the (2) far corners of glass. Repeat for each glass shelf.
- 2. For first time installation attach (1) product stop to each glass shelf as shown in detail above. Align the product stop edge with the edge of the glass and push the "U" portion of the product stop on to glass lip across the entire front of glass.
- 3. Attach a clear bumper on both sides of the light housing top surface for the front of the glass to set on. This step may have already been performed at the factory for you.
- 4. Place front of glass shelf onto clear bumpers on front shelf light. (On front shelf support for models without shelf lights.)
- 5. If clear plastic clips were factory-installed on top of rear shelf support, remove and discard clear plastic clips.
- 6. For top section glass shelf set the rear of the glass shelf onto the rear shelf support so that the back side of the glass shelf retainer sets into the slot on the rear shelf support. For optional bottom section glass shelf set the rear of the glass shelf onto the rear shelf support so that the back side of the glass shelf retainer straddles the rear shelf support

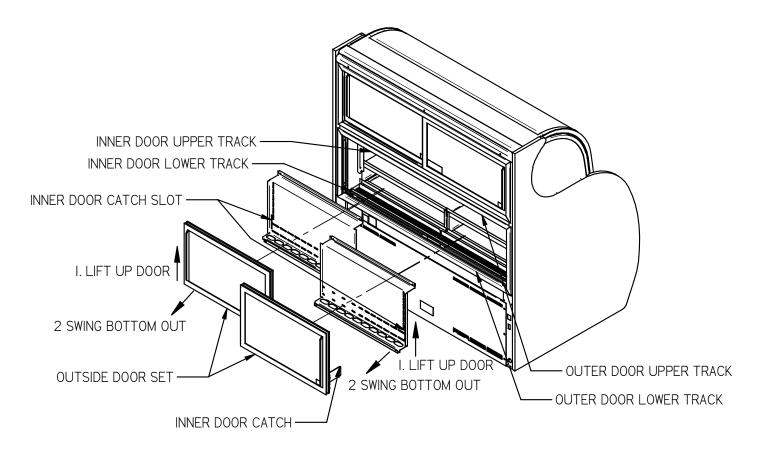
REAR DOORS

TOP SECTION REAR DOORS



- 1. Start with the outer door and lift the door upward until the bottom edge of door clears the lower track and then swing the bottom of the door outward and down out of upper track.
- 2. After the outer door is removed repeat the procedure for the inner door.
- 3. Reverse this procedure for door reinstallation. The doors are not interchangeable.

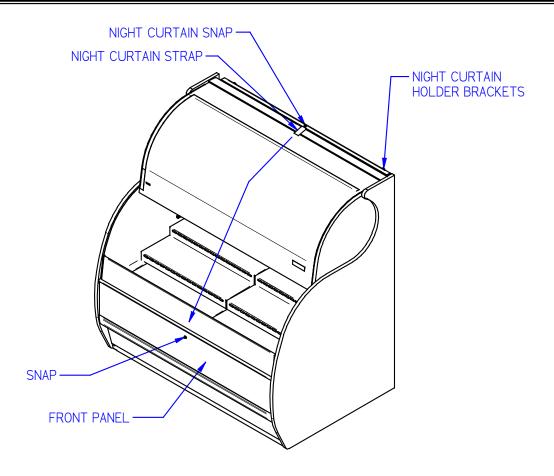
BOTTOM SECTION REAR DOORS (OPTIONAL)



- 1. Start with the outer outside door and lift the door upward until the bottom edge of door clears the lower track and then swing the bottom of the door outward and down out of upper track.
- 2. Remove the outer inside door using the same procedure.
- 3. The inner door set can then be removed using the same procedure starting with the inner outside door followed by the inner inside door.
- 4. Reverse this procedure for door reinstallation starting with the inner inside door followed by the inner outside door. Check that the doors slide freely.
- 5. Replace the outside inner door and the outside outer door. Be sure to slide the inner door catch into the inner door catch slot for each door.

Note: None of the doors are not interchangeable and they must be replaced in the same location that they where removed from.

NIGHT CURTAIN (OPTION)



OPENING:

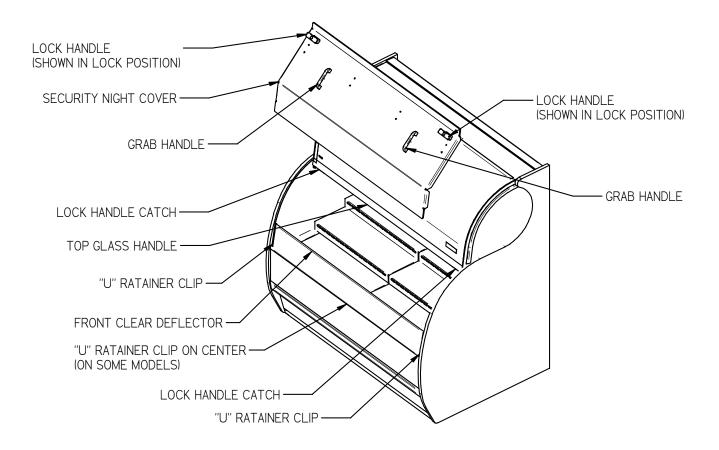
- 1. Grab night curtain strap and lift the rolled night curtain out of the night curtain holder brackets. Pull the night curtain across the top of case and down the front.
- 2. Attach the snap located under the night curtain strap on to the snap located on the front trim.

CLOSING:

- 1. Grab the night curtain strap and detach the snap from the snap located in the front top trim.
- 2. While holding the night curtain strap allow the night curtain to roll up and place the rolled night curtain carefully into the night curtain holder brackets.

Note: The 59" and 77" models have (2) night curtains.

SECURITY NIGHT COVER (OPTION)



REMOVAL:

- 1. Unlock the lock handles and turn handles vertical to disengage from lock handle catches.
- 2. Grab the front grab handles and lift the cover straight up out of the case opening.

INSTALATION:

- 1. Turn the lock handle so the latch handle is vertical to the top of the case.
- 2. Holding the grab handles place the bottom flange of the security night cover inside the "U" retainer clips located on each side of case opening behind the front clear deflector. There also may be a "U" retainer clip in the center of the case that must also engage the security night cover flange.
- 3. Set the top flange of the security cover down against the top glass handle.
- 4. Turn the lock handles so they engage the lock handle catches and use the key to lock them in place.

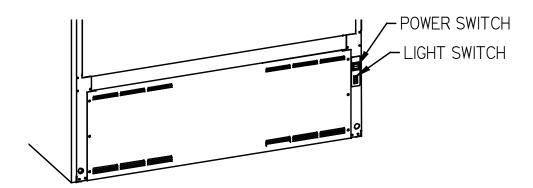
IMPORTANT: Cleaning the Acrylic plastic security night cover require special care to prevent hazing of material. Lightly dust (not wipe) the surface with clean soft cloth. Then the surface can be wiped carefully with a soft, wet cloth or chamois. The cloth or chamois must be kept free of grit by frequently rinsing in clean water. Grease and oil can be removed with kerosene. Do not use window cleaners or kitchen scouring compounds. DO NOT use solvents such as Acetone, Benzene, Carbon Tetrachloride, and Lacquer Thinners. A spray wax such as Pledge or Maguire's polish can be applied and wiped with a clean soft cloth. The wax tends to fill in and hide small scratches

OPERATING INSTRUCTIONS



NOTICE: This refrigerated display case is designed to operate

in a maximum environment of 80 DEG. F and 55% relative humidity. Exceeding these limits will cause poor case performance and sweating of glass panels.



Controls

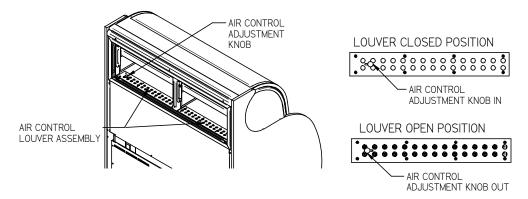
Power Switch

This switch controls the power to the entire unit. The switch rocker is red in the "on" position, black in the "off" position.

Light Switch

This switch controls the power to the lighting circuit. The switch rocker is red in the "on" position, black in the "off" position.

Top Section Refrigeration Louver Control



The top section of this unit can be changed from a refrigerated section to a non refrigerated section by opening or closing the louver. Unlock the louver position by loosening the control knob (turn control knob counter clockwise) and lock the louver position by tightening the control knob (turn control knob clockwise). Sliding the air control knob out will open the louver making the top section refrigerated and sliding the air control knob in will close the louver making the top section non-refrigerated (see illustration above). Even with the louver in the closed position the top section will be colder then ambient. If a refrigerated section is required for potentially hazard food the air control louver must be completely open. A half open louver will not allow sufficient air flow to top section. The air control louver assembly can be placed in the case in either direction. The air control knob can either be facing the inside or the outside of the case. The side that the air control knob is facing will not effect case operation.



NOTICE:

If a top refrigerated section is required for potentially hazard food the air control louver must be completely open. A half open louver will not allow sufficient air flow to top section.

Placing Product into Case

- Do not exceed 75 pounds of weight per shelf. Heavy product should be distributed evenly across the entire shelving area.
- Determine desired shelving location and angle before placing product in case. Product must be removed to readjust shelf location and angle.
- Allow a minimum of 2" between top of product and bottom of shelf as shown in diagram below.
- Do not overhang the front or rear of shelves with product. Improper clearance in front and rear of shelf will block the refrigerated airflow and will cause product loss.
- -Do not block the slots along the front and rear air discharge slots. Covering these slots will block the refrigerated airflow and could cause product loss.
- -The display deck is removable for cleaning and can become dislodged in shipment. To ensure proper airflow and performance of the case, make sure that the display deck is pushed completely down into evaporation tub.
- -Allow refrigerated models to run for at least two hours before placing pre-chilled product into unit.



NOTICE: CASE MUST BE STOCKED WITH PRE-CHILLED PRODUCT ONLY.



NOTICE: This refrigerated display case is designed to operate in a maximum environment of 80 DEG. F and 55% relative humidity. Exceeding these limits will cause poor case performance and sweating of glass panels.

MAINTENANCE

Top Light Bulb Replacement

- 1. To remove bulb from top light housing, grip the bulb receptacle end caps at each end of bulb. Pull the bulb receptacle end caps straight outward away from unit.
- 2. The bulb is inside a clear shatter proof tube with a white plastic end cap on each end. Be careful not to allow bulb to slide out of shatter proof tube.
- 3. Reinstall new bulb in to the existing shatter proof tube and reuse white plastic end caps. Reinstall bulb assembly in the same manner as described in the Bulb Removal Procedure. Be sure bulb is secure in bulb receptacles
- 4. Reinstall new bulb in the same manner as described in the Bulb Removal Procedure. Be sure bulb is secure in bulb receptacles. **Note: Be sure to use a direct equivalent to the original bulb.**

Shelf Light Bulb Replacement

- 1. All shelf light fixtures use a spring-loaded socket at one end. To remove the bulb push the bulb towards the spring-loaded socket until the opposite ends drops out of the socket.
- 2. The bulb is inside a clear shatter proof tube with a black plastic cap on each end. Be careful not to allow bulb to slide out of shatter proof tube.
- 3. Reinstall new bulb in to the existing shatter proof tube and reuse black plastic end caps. Reinstall bulb assembly in the same manner as described in the Bulb Removal Procedure. Be sure bulb is secure in bulb receptacles

Note: Be sure to use a direct equivalent to the original bulb.

PERIODIC MAINTENANCE



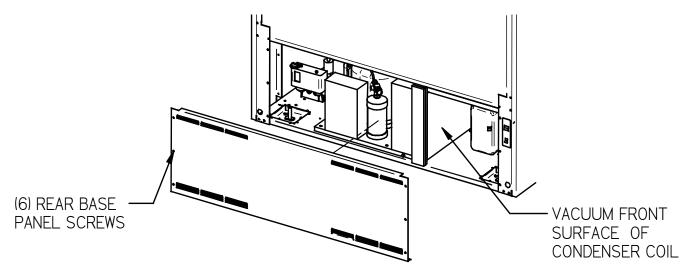
NOTICE:

Condenser coil must be cleaned a minimum of twice per month to insure proper refrigeration performance and prevent compressor failure. Failure to clean condenser coil will void condenser warranty.

Cleaning Condenser Coil (All Self Contained Refrigerated Units)

It is very important that the Condenser coil is cleaned twice per month to insure proper refrigeration performance and to prevent compressor failure. Failure to clean condenser coil will void condenser warranty.

- 1. Disconnect power to the unit.
- 2. Remove the back base panel located on the back bottom of unit by removing the (6) front panel retaining screws.
- 3. Carefully vacuum the front surface of condenser coil. Take care not to bend coil fins with vacuum cleaner nozzle.
- 4. Reinstall back panel and retaining screws.



CLEANING INSTRUCTIONS

Daily Cleaning

The case should be cleaned thoroughly, as described in the weekly cleaning section, before it is used for the first time.

	NOTICE:	Avoid splashing or soaking any electrical components with water to prevent electrical damage to the case.
	NOTICE:	Shut off lights and power switches and remove all product from case. Allow sufficient time for the unit to reach room temperature before proceeding with cleaning.
A	NOTICE:	Remove all product from case before proceeding with cleaning procedure.
A	NOTICE:	Acrylic front air deflector requires special washing procedures to prevent hazing and yellowing of material.
A	NOTICE:	This case is not designed to be cleaned by flushing.

Note: For major spills or foreign material buildup use complete weekly cleaning instructions.

Note: Detergents are not recommended and do not use abrasive cleaners or pads to prevent scratching of surfaces.

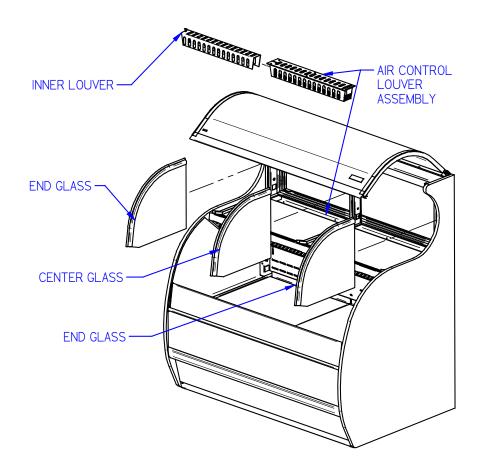
- 1. Clean all foreign materials from the door opening.
- 2. Wipe complete interior of both the upper & lower areas of case using a damp cloth.
- 3. To allow easier access to clean upper section interior tilt the upper front glass open. Tilt the front glass up by standing in front of the case and grabbing the handle at the bottom of the glass and lifting the bottom of the glass upward. The glass can then be cleaned with common window cleaners. Close the glass by pulling the front handle of glass down to the closed position.
- 4. The remaining exterior surface should be wiped down using any ammoniated cleaners or soapy warm water.
- 5. IMPORTANT: Cleaning the clear acrylic plastic front air deflector require special care to prevent hazing and yellowing of material. Lightly dust (not wipe) surface with clean soft cloth. Then the surface can be wiped carefully with a soft, wet cloth or chamois. The cloth or chamois must be kept free of grit by frequently rinsing in clean water. Grease and oil can be removed with kerosene. Do not use window cleaners or kitchen scouring compounds. DO NOT use solvents such as Acetone, Benzene, Carbon Tetrachloride, and Lacquer Thinners. A spray wax such as Pledge or Maguire's polish can be applied and wiped with a clean soft cloth. The wax tends to fill in and hide small scratches.

Weekly Cleaning

This procedure is recommended on a weekly basis. It may need to be performed more often if necessary to maintain a clean, sanitary case. The case should be cleaned to this procedure before using the first time.

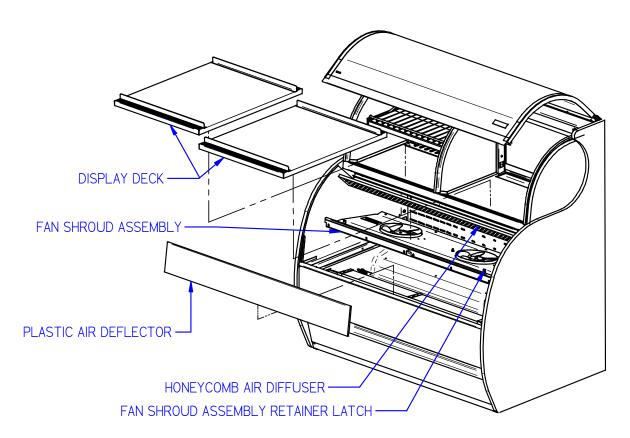
	NOTICE:	Avoid splashing or soaking any electrical components with water to prevent electrical damage to the case.
A	NOTICE:	Shut off lights and power switches and remove all product from case. Allow sufficient time for the unit to reach room temperature before proceeding with cleaning.
	NOTICE:	Remove all product from case before proceeding with cleaning procedure.
A	NOTICE:	Acrylic front air deflector requires special washing procedures to prevent hazing and yellowing of material. Read weekly cleaning procedure carefully.
	NOTICE:	This case is not designed to be cleaned by flushing.

Weekly Top Section Interior Cleaning

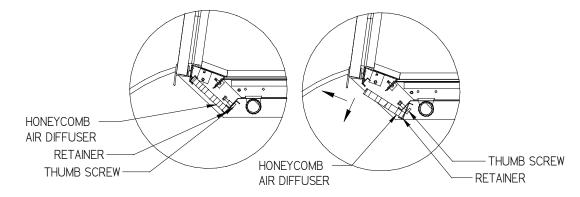


- 1. Remove both upper rear doors as described in the "Door Removal" section of this manual.
- 2. Clean all foreign material from inner and outer rear door tracks and clean both sides of the doors using warm soapy water and a brush. Apply a light film of lubricant such as PAM to door tracks to make the doors operate smoother.
- 3. To allow easier access to clean upper section interior tilt the upper front glass open. Tilt the front glass up by standing in front of the case and grabbing the handle at the bottom of the glass and lifting the bottom of the glass upward. The glass can then be cleaned with common window cleaners.
- 4. With the upper front glass open, remove middle and end glass panels by pulling them forward out of the glass retainer. The glass can then be cleaned with common window cleaners.
- 5. Remove interior shelving from unit as described in the "Shelving Installation and Removal" section of this manual. Remove both shelf standards from interior of case by removing the (2) thumbscrew from top and bottom of each standard.
- 6. Lift and remove the air control louver assembly(s) from the inside rear of case. Unscrew the louver control knob and slide the inner louver out of louver assembly.
- 7. Clean all shelves, shelf support bars, shelf light housings, shelf brackets, and air control louver parts using warm soapy water and a brush. Rinse thoroughly and allow to dry.
- 8. Clean the entire interior of the case using warm soapy water. Wipe off all soapy water with a damp cloth and allow to dry. (DO NOT use solvents such as Acetone, Benzene, Carbon Tetrachloride, and Lacquer Thinners)
- 9. Reassemble all components in reverse order.

Weekly Bottom Section Interior Cleaning



- 1. If supplied with lower rear door option remove both inner & outer rear doors as described in the "Door Removal" section of this manual.
- 2. Clean all foreign material from inner and outer rear door tracks and clean both sides of the doors using warm soapy water and a brush. Apply a light film of lubricant such as PAM to door tracks to make the doors operate smoother.
- 3. If supplied; remove interior shelving or display steps from unit as described in the "Shelving Installation and Removal" section of this manual.
- 4. Clean all shelves, shelf support bars, shelf light housings, shelf brackets, shelf standards and display steps using warm soapy water and a brush. Rinse thoroughly and allow to dry.
- 5. Lift the display deck(s) up and out of evaporator tub.
- 6. Remove the fan shroud assembly by lifting (2) black tabs up on fan shroud assembly retainer latch at each end of the front of the fan shroud and removing the thumb screws from along the rear lip of the fan shroud. Lift the fan shroud assembly and reach in and unplug the evaporator fan motor cord(s). Lift fan shroud assembly out of tub.
- 7. Clean the display deck(s) using warm soapy water and a brush. Rinse thoroughly and allow to dry. Wipe off fan shroud assembly (do not rinse or submerge fan motors).
- 8. Clean the entire interior of the case using warm soapy water. Wipe off all soapy water with a damp cloth and allow to dry. (DO NOT use solvents such as Acetone, Benzene, Carbon Tetrachloride, and Lacquer Thinners)
- 9. Remove the honeycomb air diffuser(s) from upper air duct track. Loosen thumb screws on Retainer located behind diffuser. Retainer will drop down allowing diffuser to be pulled out of case.



- 10. Clean honey comb air diffuser warm soapy water and a brush. Rinse thoroughly and allow to dry.
- 11. Remove the clear plastic front air deflector by lifting it up and out of case.

 IMPORTANT: Cleaning the Acrylic plastic front air deflector require special care to prevent hazing and yellowing of material. Lightly dust (not wipe) surface with clean soft cloth. Then the surface can be wiped carefully with a soft, wet cloth or chamois. The cloth or chamois must be kept free of grit by frequently rinsing in clean water. Grease and oil can be removed with kerosene. Do not use window cleaners or kitchen scouring compounds. DO NOT use solvents such as Acetone, Benzene, Carbon Tetrachloride, and Lacquer Thinners. A spray wax such as Pledge or Maguire's polish can be applied and wiped with a clean soft cloth. The wax tends to fill in and hide small scratches.
- 12. Reassemble all components in reverse order.

NOTE: Depending on the amount of usage and spillage of foreign material, some fasteners may have to be removed and parts disassembled to allow proper cleaning of the unit.

Weekly Exterior Cleaning

- 1. Clean the front and end glass using any common window cleaner.
- 2. The exterior surfaces should be wiped down using any ammoniated cleansers or warm soapy water.

SERVICE INFORMATION

CAUTION

RISK OF ELECTRIC SHOCK

DISCONNECT POWER BEFORE SERVICING UNIT Before any service work is performed on the case, make sure all power is disconnected to the case.

Service problems or request for repair parts from authorized service agencies, trained service personnel, or owners should be referred to:

CUSTOMER SERVICE DEPARTMENT

Federal Industries P.O. Box 290 Belleville, WI 53508

Toll Free: (800) 356-4206 / WI Phone (608) 424-3331

Fax: (608) 424-3234

Special Service Situations

There are rare occasions when the refrigerant charge must be evacuated from a case in order to perform service work. In those situations, Federal Industries recommends that the refrigerant charge be evacuated into a recovery system to prevent the possibility of hydrofluorocarbons (HFC's) from being released into the atmosphere.

If moisture or liquid is observed around or under a Federal Industries case, an immediate investigation should be made by qualified personnel to determine the source of the moisture or liquid. The investigation made should determine if the case is malfunctioning or if there is a simple housekeeping problem.



Moisture or liquid around or under a case is a potential slip/fall hazard for persons walking by or working in the general area of the case. Any case malfunction or housekeeping problem that creates a slip/fall hazard around or under a case should be corrected immediately.

Pre-Service Checklist

You may avoid the cost and inconvenience of an unnecessary service call by first reviewing this checklist of frequently encountered situations that can cause unsatisfactory case performance.



CAUTION: Before servicing case turn off power at the main breaker of fuse

box.

Case Does Not Operate

- -Check for disconnected power supply.
- -Check for tripped breaker or blown fuse.
- -Check that power switch is on.

Lights Do Not Operate

- -Check that light switch is on.
- -Be sure light is properly seated in the sockets.

If supplied with shelf light option

- -Check that shelf light cord(s) are tight in the sockets.
- -Plug unused light sockets with socket cap provided with socket.

Case Temperature Too Warm

- -Check that the cold air inlet and outlet slots are not blocked.
- Be sure that the rear doors are closed and tightly sealed.
- -Check for a blocked or dirty condenser coil fins.
- -Check cold airflow. Lack of adequate cold airflow could be a defective evaporator fan or blocked evaporator coil. Check that paper or foreign material is not blocking evaporator. If the evaporator coil is blocked due to excessive frost, turn the power switch "off" position for approximately one hour to defrost.
- -Is the case installed properly to allow adequate air flow to and from condenser?
- -Check that there is no air movement around case causing disruption to air curtain. Such as ceiling fans, heating/AC air ducts, exterior doors, ect.

SALE & DISPOSAL

Owner Responsibility

If you sell or give away your Federal Industries case you must make sure that all safety labels and the Installation-Service Manual are included with it. If you need replacement labels or manuals, Federal Industries will provide them free of charge. Contact the customer service department at Federal Industries at (800) 356-4206.

The customer service department at Federal Industries should be contacted at the time of sale or disposal of your case so records may be kept of its new location.

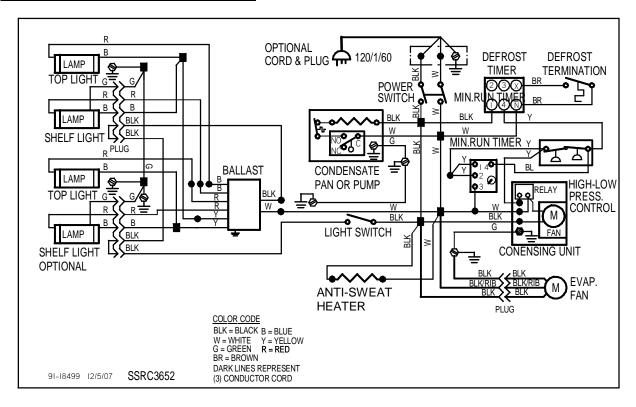
If you sell or give away your Federal Industries case and you evacuate the refrigerant charge before shipment. Federal Industries recommends that the charge be evacuated into a recovery system to prevent the possibility of HFC's from being released into the atmosphere.

REFRIGERATION & ELECTRICAL DATA

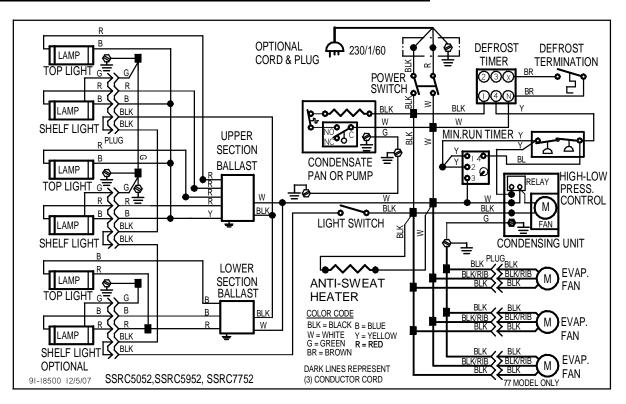
	SELF CONTAINED				REMOTE	
MODEL	404A REFRIG.	VOLTAGE	AMPERAGE	OPTIONAL CORD STYLE	VOLTAGE	AMPERAGE
SSRC3652	30 OZ	120/60/1	15	20AMP NEMA 5-20	120/60/1	10
SSRC5052	32 OZ	230/60/1	10	15AMP NEMA 6-15	120/60/1	10
SSRC5952	34 OZ	230/60/1	13	15AMP NEMA 6-15	120/60/1	13
SSRC7752	36 OZ	230/60/1	13	15AMP NEMA 6-15	120/60/1	14

MAIN WIRING DIAGRAMS

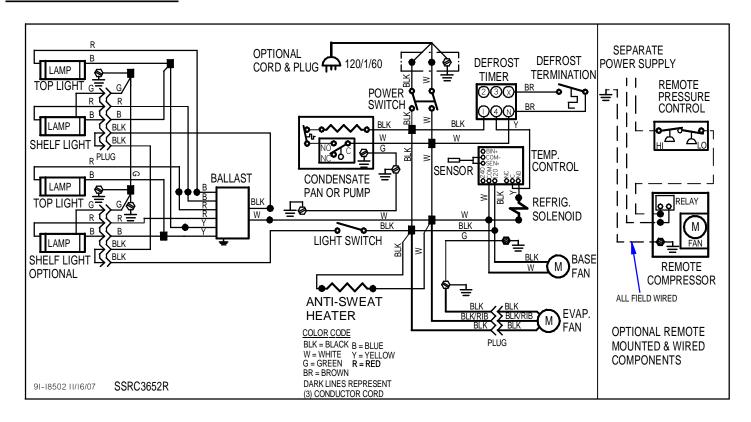
SELF CONTAINED SSRC3652



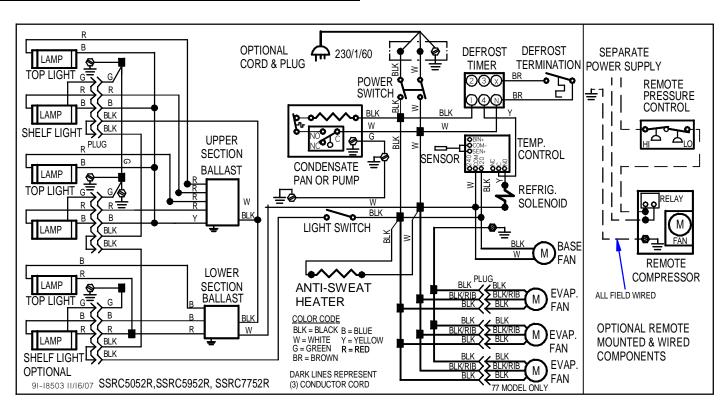
SELF CONTAINED SSRC5052 SSRC5952, SSRC7752



REMOTE SSRC3652



REMOTE SSRC5052, SSRC5952, SSRC7752



REPLACEMENT PARTS

REFRIGERATION	SSRC3652 120V	SSRC5052 240V	SSRC5952 240V	SSRC7752 240V
Compressor (SC)	30-18049	30-18052	30-18645	30-18645
Compressor (SC)	30-16049			
Condensing Unit (SC)	+	30-17887	30-18215	30-18215
Evaporator Coil	33-13356	33-13357	33-13358	33-13359
TXV		32-18244	0000	32-18245
Filter Drier			2626	
Site Glass		32-5	4010	
Evaporator Fan Motor (SC)	41-17981		41-17811	
Evaporator Fan Motor (remote)	41-17981		41-16025	_
Evaporator Fan Blade	72-18534	72-17355	72-32506	72-17355
Latch Evaporator Housing to Coil		66-1	3640	
Condensate Base Fan Motor (remote)		41-1	1628	
Condensate Base Fan Blade (remote)		72-3	2507	
Pressure Control (SC)		32-5	1009	
Defrost Timer	41-14095		41-32317	
Minimum Run Timer	41-18657		41-18658	
Electronic Temperature Control	<u>'</u>			
(Remote)	32-16932			
Solenoid Remote Refrigeration				
(Remote)		32-3	0141	
Condensate Pan Ass'y (SC)	SA4471-1		SA4471-3	
Condensate Pan Ass'y (remote)	SA44	1 71-1	SA44	171-2
Condensate Pan Heater (SC)	40-17838-1		40-17838-3	
Condensate Pan Heater (remote)	40-17	838-1	40-17	838-2
Condensate Pan Float Ass'y		SA29	928-1	
Condensate Pan Switch		41-1	3022	
Condensate Drain Tube	SA4490-1	SA4490-2	SA4490-2	& SA4683
Thermometer		32-1	3662	
ELECTRICAL	SSRC3652	SSRC5052	SSRC5952	SSRC7752
ELECTRICAL	120V	240V	240V	240V
Light Switch		41-1	1066	
Power Switch		41-1	8186	
Light Ballast (Top Section) (SC)	39-12904 39-18295			
Light Ballast (Top Section) (remote)	39-12904 39-18568			
Light Ballast (Btm Section) (SC)	39-12902			
Light Ballast (Btm Section) (remote)	39-12902			
Light Bulb (Top Section)	42-11519	42-30201	42-30201	42-11519
Light Bulb (Btm Section)	42-11519	42-11069	42-11070	42-11071
Light Bulb Shatter Tube(Top Section)	M14017-1	M14017-6	M14017-6	M14017-1
Light Bulb Shatter Tube(Btm Section)	M14017-1	42-15503	42-15640	42-11071
Top Light Tomb Stone	, , ,			
TOP LIGHT TOHID STOHE	42-15440			

Shelf Light Bulb Receptacle	Top Light Bulb Cap		42-1	5441		
Shelf Light Bulb Recept.Spring	, , ,					
Light Bulb Shatter Tube Cap 78-12462						
Shelf Light Recept. 43-18431 43-16861-3 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16861-1 43-16891-2 43-18491-2 43-18491-3 43-18491-4 43-18491-5 43-18491-5 43-18491-7 43-18491-5 43-18491-7 43-18491-5 43-18491-7 43-18491-5 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491-7 43-18491						
Shelf light Cord (Top Section) 43-16861-3 Shelf light Cord (Btm Section) 43-16861-1 Main Wire Harness 43-18491-1 43-18491-2 43-18491-3 43-18491-4 Anti Sweat Heater (SC) 43-18491-1 43-18491-5 43-18491-6 43-18491-7 Power Cord (Optional) 43-30818 43-17839 43-18491-7 Wiring Diagram (SC) 91-18502 91-18500 Wiring Diagram (remote) 91-18502 \$3-17839 PANELS & GLASS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Front Glass 50-18195-1 50-18195-2 50-18195-3 50-18195-4 Front Glass Clamp 81-18196-1 81-18196-2 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-18196-3 81-						
Shelf light Cord (Btm Section)			43-16	861-3		
Main Wire Harness 43-18527 43-18528 Anti Sweat Heater (SC) 43-18491-1 43-18491-2 43-18491-3 43-18491-4 Anti Sweat Heater (remote) 43-18491-1 43-18491-5 43-18491-6 43-18491-7 Power Cord (Optional) 43-30818 43-17339 43-17839 Wiring Diagram (SC) 91-18502 91-18500 91-18500 Wiring Diagram (remote) 91-18502 \$\$8765952 \$\$\$8865952 \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$						
Anti Sweat Heater (SC)		43-18527		43-18528		
Anti Sweat Heater (remote)	Anti Sweat Heater (SC)		43-18491-2		43-18491-4	
Power Cord (Optional)	` '					
Wiring Diagram (SC) 91-18499 91-18503 PANELS & GLASS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Front Glass 50-18195-1 50-18195-2 50-18195-3 50-18195-4 Front Glass Clamp 81-18196-1 81-18196-2 81-18196-3 81-18196-3 Gas Cylinder 81-11522 81-11046 81-11047 81-11047 Glass End Clear 50-18150-1L 50-18150-1L 50-18150-1L Glass End Reflective Left(Optional) 50-18150-1L 50-18150-1L Glass End Reflective Right(Optional) 50-18150-1L 50-18150-1L Glass End Reflective Right(Optional) 50-18150-1R 50-18150-1R End Panel Ass'y Left (Black) 99-18147-1L 99-18147-1L End Panel Ass'y Right (Black) 99-18147-1L 50-18150-1R End Panel Ass'y Left (Stainless) SA4655-L 50-18150-1L End Panel Ass'y Right (Stainless) SA4655-L 50-18147-1L End Panel Ass'y Right (Stainless) SA2652 SSRC5052 SSRC5952 SSRC7552 Shelf Vire Black (Top Section) 63-18213-1 63-18	` '				l	
Wirring Diagram (remote) 91-18502 \$ 91-18503 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		+				
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Front Glass Clamp	, , ,		SSRC5052		SSRC7752	
Front Glass Clamp	Front Glass	50-18195-1	50-18195-2	50-18195-3	50-18195-4	
Gas Cylinder 81-11522 81-11046 81-11047 81-11047 Glass End Clear 50-18150 50-18150 50-18150-1L Glass End Reflective Left(Optional) 50-18150-1L 50-18150-1R Glass End Reflective Right(Optional) 50-18150-1R 50-18150-1R End Panel Ass'y Left (Black) 99-18147-L 99-18147-L End Panel Ass'y Right (Color needed) 99-18147-1L 99-18147-1R End Panel Ass'y Right (Stainless) SA4655-L 50-18213-1 End Panel Ass'y Right (Stainless) SA4655-L 50-18213-1 End Panel Ass'y Right (Stainless) SA655-R SSRC3652 SSRC5052 SSRC5952 SSRC7752 Shelf Ving Black (Top Section) 63-18213-1 63-18213-2 63-18213-3 63-18213-3 Shelf Top Wire Black (Optional) (Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional)	Front Glass Clamp	81-18196-1	81-18196-2	81-18196-3	81-18196-4	
Glass End Clear		81-11522	81-11046	81-11047	81-11047	
Solution						
Solution	Glass End Reflective Left(Optional)		50-18	150-1L		
End Panel Ass'y Left (Black) 99-18147-L End Panel Ass'y Right (Black) 99-18147-R End Panel Ass'y Left (Color needed) 99-18147-1L End Panel Ass'y Right (Color needed) 99-18147-1R End Panel Ass'y Left (Stainless) SA4655-L End Panel Ass'y Right (Stainless) SA4655-R SHELVING SSRC3652 SSRC5052 SSRC5952 SSRC7752 Shelf Top Wire Black (Top Section) 63-182131 63-18213-2 63-18213-3 63-18213-3 Shelf Wire Black (Optional)(Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-	` '					
End Panel Ass'y Right (Black) 99-18147-R End Panel Ass'y Left (Color needed) 99-18147-1L End Panel Ass'y Right (Color needed) 99-18147-1R End Panel Ass'y Left (Stainless) SA4655-L End Panel Ass'y Right (Stainless) SA4655-R SHELVING SSRC3652 SSRC5052 SSRC5952 SSRC7752 Shelf Top Wire Black (Top Section) 63-182131 63-18213-2 63-18213-3 63-18213-3 Shelf Wire Black (Optional) (Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) 53-1809-1 57-16038-3A Shelf Bracket (Btm Section) 67-16038-3A Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752			99-18	147-L		
End Panel Ass'y Left (Color needed) 99-18147-1L End Panel Ass'y Right (Color needed) 99-18147-1R End Panel Ass'y Left (Stainless) SA4655-L End Panel Ass'y Right (Stainless) SA4655-R SHELVING SSRC3652 SSRC5052 SSRC5952 SSRC7752 Shelf Top Wire Black (Top Section) 63-182131 63-18213-2 63-18213-3 63-18213-3 Shelf Wire Black (Optional) (Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) 67-16038-3A 54091 54091 Shelf Bracket (Top Section) 67-16038-3A 54091 54091 Shelf Standard M16522 53-18209-1 53-18209-2 53-18209-3 53-18209-4 DOORS SSRC3652 SSRC5952 SSRC5952 SS	End Panel Ass'y Right (Black)		99-18	147-R		
End Panel Ass'y Right (Color needed) 99-18147-1R End Panel Ass'y Left (Stainless) SA4655-L End Panel Ass'y Right (Stainless) SA4655-R SHELVING SSRC3652 SSRC5052 SSRC5952 SSRC7752 Shelf Top Wire Black (Top Section) 63-182131 63-18213-2 63-18213-3 63-18213-3 Shelf Wire Black (Optional) (Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf Retainer(Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) 52-18593-4 52-11214 52-11217 52-12034 Shelf Bracket (Top Section) 67-16038-3A 67-16038-3A 67-16038-3A 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3			99-18	147-1L		
End Panel Ass'y Right (Stainless) SA4655-L End Panel Ass'y Right (Stainless) SA4655-R SHELVING SSRC3652 SSRC5052 SSRC5952 SSRC7752 Shelf Top Wire Black (Top Section) 63-182131 63-18213-2 63-18213-3 63-18213-3 Shelf Wire Black (Optional) (Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2			99-181	147-1R		
SHELVING SSRC3652 SSRC5052 SSRC5952 SSRC7752 Shelf Top Wire Black (Top Section) 63-182131 63-18213-2 63-18213-3 63-18213-3 Shelf Wire Black (Optional) (Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18210-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4			SA46	655-L		
Shelf Top Wire Black (Top Section) 63-182131 63-18213-2 63-18213-3 63-18213-3 Shelf Wire Black (Optional)(Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	End Panel Ass'y Right (Stainless)		SA46	555-R		
Shelf Wire Black (Optional)(Btm Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	SHELVING	SSRC3652	SSRC5052	SSRC5952	SSRC7752	
Section) 63-18213-4 63-18213-5 63-18213-6 63-18213-7 Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	Shelf Top Wire Black (Top Section)	63-182131	63-18213-2	63-18213-3	63-18213-3	
Glass Shelf (Top Section) (Optional) 52-18593-1 52-18593-2 52-18593-3 52-12604 Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	` . , , ,	62 10212 4	62 19212 5	62 19212 6	62 10212 7	
Glass Shelf (Btm Section) (Optional) 52-18593-4 52-11214 52-11217 52-12034 Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18210-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	,	+				
Glass Shelf Retainer(Optional) SA4091 Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18210-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	, , , , , , , , ,	+				
Shelf Bracket (Top Section) 67-16038-3A Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4		32-10393-4			32-12034	
Shelf Bracket (Btm Section) 67-16038-1a Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18210-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	` '					
Shelf Standard M16522 Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	` '					
Step Riser (Btm Section) SA4486-1 SA4486-2 SA4486-3 SA4486-4 DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	,					
DOORS SSRC3652 SSRC5052 SSRC5952 SSRC7752 Rear Door Inner Clear Top Section 53-18209-1 53-18209-2 53-18209-3 53-18209-4 Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4						
Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4						
Rear Door Outer Clear Top Section 53-18210-1 53-18210-2 53-18210-3 53-18210-4	Rear Door Inner Clear Top Section	53-18209-1	53-18209-2	53-18209-3	53-18209- <i>4</i>	
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- 1880 M. 1880 M. 1880 M. 1881 M. 1880	Rear Door Inner Refl. Top Section	53-18209-5 53-18209-6 53-18209-7 53-18209-8				

Night Curtain (Optional)	65-17103	65-18155	65-18013	65-18592
Security Night Cover Latch (Optional)		66-1	1727	
Security Night Cover Panel (Optional)	M17218-1	M17218-2	M17218-3	M17218-4
Deflector Front Clear (Btm Section)	15-18198-1	15-18198-2	15-18198-3	15-18198-4
Duct Louver Ass'y (Top Section)	SA4831-1	SA4831-2	SA4831-3	SA4831-4
MISCELLANEOUS	SSRC3652	SSRC5052	SSRC5952	SSRC7752
Section)(Opt)	SA4464-1	SA4464-2	SA4464-3	SA4464-4
Rear Door Outer Inside(Btm			_	
Section)(Opt)	SA4465-1	SA4465-2	SA4465-3	SA4465-4
Rear Door Inner Inside(Btm		IVITO)JU-1	
Section)(Opt) Catch Outer Inside(Btm Section)(Opt)		M153		
CatchDoor Inner Inside(Btm		N/153	356-2	
Section)(Opt)	53-18212-1	53-18212-2	53-18212-3	53-18212-4
Rear Door Outer Solid(Btm				
Section)(Opt)	53-18211-1	53-18211-2	53-18211-3	53-18211-4
Rear Door Inner Solid(Btm		0, 10	100 2	
Rear Door Jamb(Btm Section)(Optional)			199-2	
Rear Door Jamb(Top Section)	37-10319-1	57-10319-2 57-18	I	31-1031 3-4
Rear Door Bottom Track (Top & Btm)	57-18519-1	57-18519-2	57-18519-3	57-18519-4
Rear Door Top Track(Top & Btm)	57-18518-1	57-18518-2		57-18518-4
Rear Door Outer Refl. Top Section	53-18210-5	53-18210-6	53-18210-7	53-18210-8