SETTING UP THE SHOWMOBILE

Step 1. **Select the Location**

Select a fairly level spot with good substantial footing on which to place the Showmobile for use. Face it toward the center of the audience location.

Step 2. **Disconnect the Towing Vehicle**

Crank down the parking jack at the front of the hitch part way and attach parking jack wheel, which is stored in the front end locker, positioning the flat wheel plate on the ground under the wheel. After the wheel reaches the ground and is properly positioned on the plate, keep on cranking until the coupler lifts off the ball hitch. Then free the safety chain, disconnect the plug which attaches the lights to the tow vehicle, and remove breakaway cable switch from ball hitch.
Step 3. **Adjust the Stabilizing Jacks**

At performances the stabilizing jacks (one at each corner of the Showmobile) should **always** be lowered to engage the ground at all four corners to stabilize the shell and carry the weight of performers.

a. **Lower** the Showmobile hitch by cranking the parking jack so that the hitch end of the Showmobile is 3 or 4 inches lower than the rear end.

b. The two stabilizing jacks at the rear end of the Showmobile should be adjusted first. Pull out the T-handle on each rear jack and allow the jack to drop to the ground.

c. **Raise** the Showmobile hitch by cranking the parking jack until the Showmobile is 2 or 3 inches above level.

d. Drop the stabilizing jacks at the front end of the Showmobile. Pull out the T-handle on each front jack and allow jack to drop to the ground.

e. Raise the parking jack until there is no weight at all on it.

**NOTE:** It is helpful to have another person to advise when Showmobile is level and to help adjust the four stabilizing jacks.
Step 4. **Raise the Canopy**

(For raising canopy with electric power lift, see paragraph 1, page 23.)

Unlock the rear end storage locker and get handle for hydraulic pump. Install pump handle on pump shaft located at the rear end of the Showmobile. Release canopy locking device at each end of Showmobile and position it so that the lifting arm roller will not hit it. Close the end storage locker. Close the valve located behind access door near pump handle. Raise the canopy by turning the handle of the pump.

The Showmobile will normally be used with the canopy in one of two positions. In the first position the canopy is parallel with roof. This position will normally be used for an audience which is on a level with the ground. In the second position the canopy is raised to its maximum height. This position should be used for an audience located in a bleacher or grandstand or on a hillside.
Note that there are separate holes for the safety locking pins for each of the two canopy positions. After the canopy has been raised to the desired position, the two safety pins (one at each end of the Showmobile) should be placed in position to prevent the canopy from being lowered accidentally. Lock the safety pins in position by lowering the canopy just enough to permit the arms to rest on the pins so that they cannot be pulled out. The canopy is lowered by slowly opening the valve. Then close valve. Then remove the pump handle and lock it in the storage compartment. Also close the valve access door.

NOTE: As a safety precaution, DO NOT RAISE, LOWER, OR ADJUST THE CANOPY WHEN ANYONE IS IN OR ON THE SHOWMOBILE WHERE HE COULD BE HURT BY THE CANOPY IN CASE OF FAILURE OF THE HOISTING MECHANISM.
Step 5. Install First Removable Unit

(NOTE: These instructions are prepared primarily for "A" model Showmobiles whose removable units are fitted into the deck. If you have a "B" model and store the extra removable units in the Showmobile, these extra units may be removed first before installation is begun.)

NOTE: Installation of removable units is facilitated if two people work together—one on each side of the unit. After the first unit is installed, each succeeding unit is hooked to the Showmobile (or previously installed removable unit) 8" to 10" from the previous one to allow room for one man to work. As soon as it is hooked on, it can be slid over close to the previous unit.

a. Grasp the end removable unit and pull it out. Then, with one person on each side of the unit, remove it from the Showmobile and hang it on the lower hanger that runs across the front edge of the Showmobile. Reach under removable unit, disengage and drop the two leveling jacks to a vertical position. Make sure, as you lower the front edge of the removable unit, that the pins on the leveling jacks properly engage the slots in the brackets to lock the jacks securely in place. Align the outside edge of the removable unit with the inside edge of the Showmobile.
b. To set the Showmobile up as a 16' flat stage, proceed as in step a; but, after pulling out each removable unit and unlatching the leveling jacks, remove the short lower shank of each leveling jack and insert the longer shank. Then, with one person on each side of the unit, remove it from the Showmobile and hang it on the UPPER hanger that runs across the front edge of the Showmobile. Make sure that the pins on the jacks properly engage the slots in the brackets to lock the jacks securely in place. Align the outside edge of the removable unit with the inside edge of the Showmobile.

NOTE: Keep front end of removable units low when attaching or moving.
Step 6. **Level the Removable Unit**

Raise or lower the bases of the jacks to accommodate any unevenness in the terrain and to bring the unit into a level position parallel to the floors of the Showmobile. Squeeze handle and adjust to approximate height. Make final small leveling adjustment by screwing base in or out. Use wooden blocks if ground is excessively uneven or especially soft.

---

Step 7. **Install Remainder of Removable Units**

Remove each removable unit in turn, attach, and when inside man is clear, push to abut the removable unit previously placed. Adjust as in step 5. Continue until all units are attached and make a level platform.
Step 8. **Install Extra Removable Units**

If your equipment includes the *extra* removable units furnished with "B" models (in addition to those furnished as standard equipment on "A" models; namely, 6 with the 24' Showmobile, 8 with the 32' Showmobile), these units may be used in several ways. For suggestions and instructions for setting up these extra units, see pages 31 and 32.

**NOTE:** If you have the "B" model with the extra row of removable units, you will have been furnished a supply of "C" clamps. These are used to hold together firmly those units more distant from the Showmobile chassis. They are attached as indicated in the drawing below at locations indicated in the photograph.
Step 9.  **Open End Closures**

Unlock the front end closure from the inside, open to desired position, and lock in open position. Unlock and open rear end closure in the same manner.

---

Step 10.  **Place the Chairs and Stands**

Once the removable units are all in place, chairs may be placed in any arrangement to suit the director. (See pages 33 through 36 for suggested arrangements.)
Step 11. **Hook up Electrical System** (Refer to drawings on next page)

The 110 volt electrical system on the Showmobile which provides interior lighting and outlets for extra electrical equipment such as spotlights, P.A. systems, recorders, etc., is a 110 volt single phase, 60 cycle, three-wire system. In order to aid in the connection of this electrical system to any 110 volt circuit, a special 3-wire safety turn plug for the power connection to the Showmobile is provided.

**NOTE:** It is recommended that a licensed electrician make the necessary connections with the power source or, if appropriate, provide you with a standard plug suitable for use with your local electrical system.

**NOTE:** In order to avoid voltage drop that might cause inadequate lighting or defective operation of the electrical equipment, it is recommended that at least 12 gauge wire be used for connecting the power supply to the Showmobile if the distance from the source is 100' or less and at least 10 gauge wire be used if the distance is up to 200'. (See items 5 and 6 of optional equipment and accessories, page 30.)

**CAUTION:** **BE SURE TO GROUND THE SHOWMOBILE.** A 100' green ground wire is provided in the rear storage compartment. One end is already attached to the Showmobile. Use the clamp on the loose end to attach the ground wire to a water pipe, or to a steel stake driven well into the ground, or any other ground approved by your electrician.
WIRING DIAGRAM FOR 110 VOLT ELECTRICAL CIRCUIT

A. WIRING PLAN OF MALE INTAKE PLUG

Drawing at left shows manner in which male 3-way twist lock is wired.

In order to prevent the possibility of short circuits and the danger of shocks from touching the steel parts of the Showmobile, the extension cord which brings the 110 volt current from the source to the Showmobile must be wired to correspond with the plug. It is recommended that a qualified electrician do the wiring.

B. ELECTRIC CONTROL PANEL
CLOSING UP THE SHOWMOBILE

Step 1. **Clear the Risers**

Completely remove all stands, chairs, etc. from the risers. Sweep all dirt, grit, and other debris from entire Showmobile.

Step 2. **Load Removable Units**

**NOTE:** If your Showmobile is a "B" model and you are using the extra removable units, it is suggested that you first detach them and set them aside until step 2 is completed; then proceed to load these extra units according to step 3.

The removable units are now set into position. With one person standing on each side of the unit, it is lifted off the rear hangers and placed on floor of the Showmobile platform. The leveling jacks must be swung up under the unit and fastened in place before the unit can be pushed back into place. Leveling jacks may be left in extended position.

**NOTE:** Loading of removable units is facilitated when two people work together--one on each side of the unit. Each unit in turn may be pulled over 8" to 10" to permit one man to work on each long side of the unit. To pull the unit over, one man lifts up the front end slightly while the other slides the unit over.

Step 3. **Load Extra Removable Units** (Furnished with "B" Models Only)

If you have Model B, which includes extra set of removable units, these units should now be loaded. Place the units end to end lengthwise down the center of the Showmobile, half the units on top of the other half.

**NOTE:** Units must be placed on top of each other. If placed side by side, they interfere with the closing of the canopy. They will also interfere if placed crosswise of the Showmobile like the first set.

Step 4. **Close End Closures**

The front and rear end closures are now closed and locked.

**NOTE:** It is important that these closures be closed and locked before lowering the canopy.
Step 5. **Load Extras**

Having loaded the removable units onto the Showmobile itself and after completely enclosing the ends, the various extras, such as music instruments, stands, podiums, chairs, etc., can be placed on top of the stage for transportation.

**CAUTION:** When loading the extras for transportation, remember that the lights in the canopy will be along the side of the interior. To prevent damage to the lights, do the loading with this in mind. Also distribute the load so that it will be balanced on the Showmobile.

Step 6. **Lower Canopy**

The canopy can now be lowered and will completely enclose the Showmobile. Since the safety pins on the canopy are to be removed, be sure everyone is clear of the canopy. Then raise the canopy just enough to release the safety pins, remove safety pins, and lower canopy by slowly opening the valve.

When canopy stops closing, allow the valve to remain open and push the canopy further closed. Then shut the canopy tight and lock it using the canopy locking devices inside the storage compartments at each end of the Showmobile. Turn the valve to closed position.

**NOTE:** The canopy must be locked shut before the Showmobile is moved because the canopy holds the removable units in place.
Step 7. **Retract Stabilizing Jacks**

The front jacks on the Showmobile are retracted by raising the front of the Showmobile with the heavy-duty parking jack until the front stabilizing jacks are free of the ground. The T-handle which holds the jack in position is pulled out until the jack is free. When free, the jack can be pushed up into the Showmobile until the jack base is flush with the bottom of the Showmobile.

To release the rear jacks from the ground, lower the front of the Showmobile with the parking jack until the rear jacks are free of the ground and repeat the same operation.

Step 8. **Lock Storage Compartments**

Place the pump handle in the rear locker. Unplug the 110 volt power line remembering that the 3-wire twist lock remains with the Showmobile. Close and lock the rear locker. Raise the front of the Showmobile; back the towing vehicle so that the ball is under the hitch; lower the hitch onto the ball and lock in place. Raise parking jack, remove wheel and plate, and place them in front locker. Close and lock front locker. Plug in lights; attach breakaway switch and safety chain. The Showmobile is now ready for transportation.
Step 1. Selecting the Towing Vehicle

Moving your Showmobile from one location to another is like moving any large house trailer. Due to the size and weight of the Showmobile, we recommend that at least a one-ton truck with dual wheels be used as the towing vehicle.

When movement from one location to another involves only short distances over good roads, a 3/4 ton pick-up truck with dual wheels, or its equivalent, may be used as the towing vehicle. For short distances within the community over surfaced roads and firm ground, a car or station wagon may be used as the towing vehicle if it is equipped with overload springs and a stabilizing hitch.

Step 2. Attaching the Towing Vehicle Kit

Normally the towing vehicle kit is forwarded to the customer, along with pertinent instructions (See Form BW-9) so that the various items in the kit may be installed in advance of delivery of the Showmobile.

The towing vehicle kit consists of the following items:

1. A heavy-duty ball hitch, 2-5/16", lock washer and nut.
2. An electric brake controller.
3. A 6-way female connector for all wires leading to the Showmobile.

It is recommended that the towing vehicle kit, together with drawings and instructions, be taken to a reputable garage so that proper installation may be assured.

Step 3. Attaching the Showmobile to the Towing Vehicle

Attach electric breakaway switch by slipping the loop of the wire cord over the ball hitch.

Raise the front of the Showmobile with the heavy-duty parking jack by lifting the handle and turning it clockwise. Lower the coupler onto the ball of the towing vehicle. Retract parking jack until wheel falls off. Store wheel and plate in front end locker. Attach safety chain to frame of towing vehicle.
Insert the plug controlling the complete 12-volt (or 6-volt) electrical system into the socket receptacle installed on the rear of the towing vehicle. It will be noted that the plug has a metal piece that fits into a groove in the socket so that it can be inserted only one way.

Step 4. Checking the Electrical System

Check the clearance lights, the tail lights, the directional lights, and the brake lights to make sure each switch and light is functioning properly. While moving the Showmobile at a slow speed, check the electric brakes by manually applying the trailer brakes. Upon successful testing of these component systems, the Showmobile is ready for towing.

Step 5. Covering with Insurance

Before the Showmobile is taken on the road, the owner should make sure that it is adequately covered by insurance. The insurance coverage should include liability and property damage, theft, vandalism, fire or wind damage, and full comprehensive coverage.

Owners should check with the agency with whom the insurance is carried on the towing vehicle, also, and have a rider put on the present policy, if necessary, which will permit towing of the Showmobile.
MAINTENANCE INSTRUCTIONS

1. **Floors**

   The floors on the units are of exterior grade plywood covered with a prefinished tempered hardboard. Keep the floors clean and polished with a good grade of standard floor wax.

2. **Tires**

   Tires on your Showmobile are 7:00 x 15, 8-ply nylon Mobile Home tubeless tires. Manufacturer's recommended inflation pressure is 55-60 lbs.

   Procedure for changing tire: Set the brakes or block the wheels to be sure the Showmobile cannot move. Place an hydraulic jack underneath the axle near tire to be changed. Raise the jack until the tire is just free of the ground. Change the wheel and lower the jack.

3. **Lubrication** (Refer to drawings on next page)

   Moving parts of the Showmobile should be lubricated about twice a year. If its use is seasonal, those occasions should be in the spring when the Showmobile is first put into use and again in the fall when it is stored for the winter.

   Locations for lubrication are indicated by number on the reference drawings. Locations numbered 1 should be oiled with an oil can using #30 oil. Other numbered locations shown on drawings are provided with zerk fittings and should be greased with the gun provided. Fittings at locations numbered 4 and 5 can be reached only from under the Showmobile.

   The wheels of the Showmobile are permanently packed at the factory and presumably need no further greasing. However, if the Showmobile is moved extensively, wheels should be checked and repacked every two years. Put a little lubricating oil on the moving parts of the **parking jack** to keep it working properly.

4. **Repair**

   Contact factory for repair parts giving serial number of Showmobile. Serial number is on the metal plate inside the rear storage compartment.
NOTE: Location No. 1 to be oiled with oil can, #30 oil. Other numbered locations indicate zerk fittings for grease gun. Fittings No. 4 and 5 may be reached from under the Showmobile.
5. **Paint**

The paint used on the Showmobile is the same type used on cars. It may be washed with clear water or, if necessary, with mild soap. Since the paint is designed to preserve the Showmobile as well as enhance its beauty, it is essential that it be kept in a good state of repair. Retouch any areas that show signs of deterioration or repaint the entire vehicle as needed. How often this will be necessary depends on the use and exposure to which it is subjected. Your Showmobile will last indefinitely if you maintain it properly.

**NOTE:** The metal parts of the Showmobile have all been covered with a heavy zinc chromate enamel before the final coat of paint was applied. Reprime if paint is removed to base metal.

6. **Storage**

The materials used in the manufacture of the Showmobile are as nearly waterproof as circumstances will permit. And the Showmobile itself has been made to resist ordinary showers. However, some of the materials of which the Showmobile is made will deteriorate under prolonged exposure to the elements. Consequently, it is strongly recommended that the Showmobile be stored in a garage when not in use. Regular storage will protect your investment and add years to the life expectancy of your Showmobile.

7. **Battery**

The 12-volt battery for the breakaway switch is located in the front storage locker. It requires the same care as the battery on a car. Check it frequently, especially before a trip and before storing, and have water added or have it recharged. Remember, it is not connected with a generator.

8. **Lifting Mechanism**

Should the canopy begin to raise or lower unevenly, it is probably an indication that one of the lifting cables needs tightening. Procedure for tightening cable is as follows:

a. Lower canopy.
b. Determine which cable needs tightening.
c. When canopy is lowered, the turnbuckles used for adjusting the cables are at the end of the hydraulic cylinder rod cover near the rear of the vehicle. Loosen the jam nuts at the ends of the turnbuckle and tighten the necessary amount.
d. Retighten the jam nuts and check alignment by raising canopy. The rollers on the canopy support arms should hit the stops together when canopy is fully up.
e. Readjust if necessary.

9. **Hydraulic Mechanism**

Hydraulic fluid should be maintained at a level between the two cross marks on the dip stick attached to the cap of the fluid reservoir. It is recommended that the fluid be checked after approximately a dozen uses of the lift. The type of fluid to use is industrial hydraulic cylinder fluid equal to Hydro-Drive MIH Light. If not available locally, this fluid is available from the Wenger factory.

**NOTE:** A small amount of leakage is normal for so long a cylinder and should not be a cause for concern unless it becomes excessive.
Step 1. Raising the Canopy

Unlock rear storage locker. Release canopy locking device at each end of the Showmobile and position it so that the lifting arm roller will not hit it. Close the valve located behind the access door near the pump handle. Start the pump motor and allow it to run until the canopy stops rising. Stop the motor.

NOTE: Do not allow the pump motor to run for long periods of time after the canopy stops rising.

The Showmobile will normally be used with the canopy in one of two positions. In the first position, the canopy is parallel with the roof. This position will normally be used for an audience which is on a level with the ground. In the second position the canopy is raised to its maximum height. This position should be used for an audience located in a bleacher or grandstand or on a hillside.
Step 2. Note that there are separate holes for the safety locking pins for each of the two canopy positions. After the canopy has been raised to the desired position, the two safety pins (one at each end of the Showmobile) should be placed in position to prevent the canopy from being lowered accidentally. Lock the safety pins in position by lowering the canopy just enough to permit the arms to rest on the pins so that they cannot be pulled out. The canopy is lowered by opening the valve slowly. Then close valve.

NOTE: As a safety precaution, DO NOT RAISE, LOWER, OR ADJUST THE CANOPY WHEN ANYONE IS IN OR ON THE SHOWMOBILE WHERE HE COULD BE HURT BY THE CANOPY IN CASE OF FAILURE OF THE HOISTING MECHANISM.

Step 2. Lowering the Canopy

Since the safety pins on the canopy are to be removed, be sure everyone is clear of the canopy. Then raise the canopy just enough to release the safety pins, remove safety pins, and lower canopy by slowly opening the valve.

When the canopy stops closing, allow the valve to remain open and push the canopy further closed. Then shut the canopy tight and lock it using the canopy locking devices inside the storage compartments at each end of the Showmobile. Close the valve.

NOTE: The canopy must be locked shut before the Showmobile is moved because the canopy holds the removable units in place.
A WORD OF CAUTION . . .

Follow these suggestions for getting the best service from your Showmobile.

DO'S

DO use only trained personnel to set up and take down the Showmobile. Insist that those who handle the Showmobile be acquainted with this manual.

DO check the finish frequently and retouch any places that show signs of wear or weathering.

DO insist that the safety pins be properly inserted and locked whenever the canopy is raised.

DO keep the Showmobile housed the year around when it is not in use. It will last indefinitely if you do.

DO check the cables on the lifting mechanism occasionally to make sure they show no signs of wear.

DO get back from the garage which installed the towing vehicle kit the complete set of instructions and diagrams and make them a part of this manual.

DO check with your highway department in advance for specific permission to move the Showmobile on your state or local highways or streets if the overall length of your Showmobile and its towing vehicle exceeds the legal maximum in your state.
A WORD OF CAUTION... 

Follow these suggestions for getting the best service from your Showmobile.

DON'T'S

DON'T tow the Showmobile over 30 miles per hour with any vehicle less than a 3/4 ton pick-up truck with dual wheels.

DON'T permit moisture that may get into the Showmobile during a rain to remain there. Dry it out thoroughly as soon as possible.

DON'T use the parking jack to move the Showmobile. It is strictly a parking jack. Neither the wheel nor jack is of sufficient size or strength to permit the use of the jack for movement.

DON'T set up the Showmobile without adjusting the stabilizing jacks. They serve (a) to level the Showmobile, (b) to prevent tipping and unnecessary jiggling, and (c) to take some of the weight off the tires.

DON'T raise, lower, or adjust the canopy while people are seated or standing in the Showmobile or under the canopy.

DON'T leave the canopy open when the Showmobile is unattended. If wind threatens during use, remove all personnel and close the canopy to prevent wind from tipping Showmobile over.

DON'T move Showmobile with the canopy in raised position. When canopy is up, the Showmobile is somewhat top heavy. The stabilizing jacks should always be in place before the canopy is raised.
## SPECIFICATIONS

### I. General

<table>
<thead>
<tr>
<th>Item</th>
<th>Model 6424A</th>
<th>Model 6424B</th>
<th>Model 6432A</th>
<th>Model 6432B</th>
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<td>15'11-1/8&quot;</td>
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<td>Tongue weight (approx.)</td>
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<td>2</td>
<td>4</td>
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<td>Riser elevations</td>
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<td>6&quot;</td>
<td>12&quot;</td>
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<td>No. of 4' x 92-11/32&quot; removable units</td>
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<td>Alternate:</td>
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<tr>
<td>No. of incandescent bulbs</td>
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<td>10</td>
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### II. Plywood Interior

#### A. Floor

1/2" 5-ply exterior grade fir plywood with prefinished tempered hardboard on top face and tempered hardboard on bottom face.

#### B. Covering

3/8" 5-ply medium density plastic impregnated exterior grade fir plywood, solid core.
III. Aluminum Covering

3003H14 aluminum alloy; .024" thick.

IV. Lights

The lighting provided for the interior of the Showmobile is wired for 110 volt, 60 cycle single phase, 3-wire systems. Fluorescent fixtures consist of 8' tandem fluorescent strips and 4' fluorescent strips. Tubes are 4' 40-watt cool white. Incandescent fixtures consist of single and double outlet units, interior/exterior, with PAR 38 150 PAR/FL flood lamps.

V. Tires

7:00 x 15 8-ply nylon Mobile Home tubeless tires. Recommended air pressure 55-60 lbs. Rated capacity 1965 lbs.

VI. Hydraulic Cylinder

3" Bore x 80" Stroke, 500 PSI, front flange mounted

VII. Cable


VIII. Parking Jack and Coupler

#17863 jack and #17890 coupler with 2-5/16" ball. Capacity of jack 5000 lbs.

IX. Axle, Wheel, Hub Assembly

#A50-11-60 Henschen Axle with 13HR spindle. Rated capacity 5000 lbs. #KH-48442 wheels, drop rim, size: 7:00 x 15. KH12" hub assembly.

X. Brakes

Kelsey-Hayes two-shoe adjustable electric brake, 12" x 2", 12 volt.

XI. Breakaway Switch

#K40850 Kelsey-Hayes
STANDARD EQUIPMENT FURNISHED WITH ALL MODELS

1. Four-wheel electric brakes
2. Heavy-duty trailer hitch
3. Directional lights
4. Tail lights
5. Stop lights
6. Clearance lights
7. Brake and light kit for towing vehicle
8. Four 7:00 x 15 8-ply tubeless tires
9. Aluminum covering
10. Three-color finish: Frost white with turquoise and gold trim
11. Hydraulic canopy lift
12. Complete lighting system consisting of fluorescent lights, 20 amp. disconnect box, 3-wire twist lock, all wired 110 volt, single phase, 60 cycle.
13. Wiring only for Public Address system
14. Four 110 volt single phase receptacles for public address system, spotlights, director's light, etc.
15. Breakaway switch
16. One grease gun
17. Four stabilizing jacks
18. Two end lockers
19. Two end closures
20. Two doors in back for theatrical use
21. One set leveling jack extensions
22. Two stairways with handrail
23. One access step for 24" elevation
24. One safety chain
25. Two copies operator's manual

ADDITIONAL STANDARD EQUIPMENT FURNISHED
WITH "B" MODELS ONLY

1. One additional complete set of removable units
2. One additional complete set of flat stage leveling jack extensions
3. One set of special jacks for two-elevation concert stage*

* These special jacks are built into three of the extra removable units.
### OPTIONAL EQUIPMENT AND ACCESSORIES *

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>70J29</td>
<td>Electric power lift for hydraulic system</td>
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<tr>
<td>2.</td>
<td>70J66</td>
<td>Public address system, complete</td>
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<tr>
<td>3.</td>
<td>70G1</td>
<td>Extra 4' x 8' removable units (with 2 jacks) **</td>
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<tr>
<td>4.</td>
<td>70G36</td>
<td>Extra 4' x 8' removable units (with 4 jacks) ***</td>
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<tr>
<td>5.</td>
<td>70N17</td>
<td>100 ft. heavy duty extension cord, 3-wire, with plug</td>
</tr>
<tr>
<td>6.</td>
<td>70N21</td>
<td>200 ft. extra heavy duty extension cord, 3-wire, w/plug</td>
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<tr>
<td>7.</td>
<td>70J40</td>
<td>Generator, 1500 w., 110 v., with silencer &amp; 100 ft. cord</td>
</tr>
<tr>
<td>8.</td>
<td>70J60</td>
<td>Turntable with case for use with P. A. system</td>
</tr>
<tr>
<td>9.</td>
<td>70H51</td>
<td>Flood light, double, with 150 watt bulbs</td>
</tr>
<tr>
<td>10.</td>
<td></td>
<td>Guard rail</td>
</tr>
<tr>
<td>11.</td>
<td>70G60</td>
<td>Extra access step for 24&quot; elevation</td>
</tr>
<tr>
<td>12.</td>
<td>70G40</td>
<td>Extra stairway with metal handrail one side</td>
</tr>
<tr>
<td>13.</td>
<td>70A47</td>
<td>Spare tire and wheel</td>
</tr>
<tr>
<td>14.</td>
<td>70A48</td>
<td>Extra wheel without tire</td>
</tr>
<tr>
<td>15.</td>
<td>X428</td>
<td>Jack, heavy duty (for changing tires)</td>
</tr>
<tr>
<td>16.</td>
<td>70N16</td>
<td>Extra operator's manuals</td>
</tr>
<tr>
<td>17.</td>
<td></td>
<td>Custom paint job</td>
</tr>
<tr>
<td>18.</td>
<td>X427</td>
<td>Folding chairs</td>
</tr>
<tr>
<td>19.</td>
<td>70G109</td>
<td>Chair caddies</td>
</tr>
<tr>
<td>20.</td>
<td>70J45</td>
<td>Director's podium 4' x 4' with 4 jacks</td>
</tr>
<tr>
<td>21.</td>
<td>31A1</td>
<td>Director's music stand</td>
</tr>
<tr>
<td>22.</td>
<td>36A1</td>
<td>Director's music stand, outdoor, with light</td>
</tr>
<tr>
<td>23.</td>
<td>30A1 (grey) or 30B1 (black) Music stands</td>
<td></td>
</tr>
<tr>
<td>24.</td>
<td>35A2</td>
<td>Music stand storage truck</td>
</tr>
</tbody>
</table>

* These items of optional equipment and accessories can be furnished at an additional cost. Write for descriptive literature, specifications, and prices.

** Fill-in or adapter units for making 4-elevation risers or for extending the stage forward to 24' depth. Exactly like removable units furnished as standard equipment on "A" models.

*** For use on ground in front or at ends of Showmobile units. One jack in each corner. Three of these are furnished as part of the complete set of extra removable units provided with "B" models.
SETTING UP EXTRA REMOVABLE UNITS (FURNISHED WITH "B" MODELS)

If your Showmobile is a "B" model, you will have twice as many removable units as with the "A" model. (Model 6424A comes with 6; Model 6424B comes with 12. Model 6432A comes with 8; Model 6432B comes with 16.) When setting up the Showmobile, these extra units, because they include three special units with four jacks instead of two, will normally be removed and set aside until those units stored as an integral part of the Showmobile have been removed and installed. These units may be used in several ways as follows:

1. To Make a 4-Elevation Riser

Having set up the Showmobile as a 2-elevation stage according to step 5a (see page 7), you now take half of the remaining units one at a time and beginning at one end place each across the back half of two units of the lower elevation already in place. As each unit is placed, see that the lip of one is placed in the groove of the adjoining unit. Then push all units back snugly against the front of the Showmobile.

Take the remaining units one at a time and place each in similar position at the back of the Showmobile thus completing the fourth elevation. Place the lip of one unit into the groove of the adjacent unit as each unit is put into position and push all units snugly back against the back wall of the Showmobile.

2. To Make a Flat Stage 24' Deep

Having set up the Showmobile as a flat stage 16' deep according to step 5b (see page 8), you now prepare the remaining units one at a time by replacing the short shank on each leveling jack with the longer shank; then hook the unit to the front edge of the first removable unit by inserting the steel lip in the groove provided. Make sure the jacks are properly locked in vertical position by engaging the pins in the slots of the brackets. Align with previously attached units.

3. To Extend the Lower Elevation of the 2-Elevation Riser to 16' Depth

Having set up the Showmobile as a 2-elevation stage according to step 5a (see page 7), you now install the remaining units one at a time, lowering the leveling jacks to vertical position, and hooking each unit to the front of one of the lower units by engaging the lip in the groove provided. As the front of the unit is lowered, make sure the pins on the jacks engage the slots of the brackets to lock the jacks in vertical position. Align the outside edge with the inside edge of the Showmobile.
4. To Make a 2-Elevation Concert Stage

Having set up the Showmobile as a 2-elevation stage according to step 5a (see page 7), you now select one of the three removable units provided with the extra jacks at the rear, lower all jacks, and set up the unit alongside the removable unit at the right of the Showmobile. Select another of the units with the extra jacks, lower the jacks on it, set it up alongside the removable unit at the opposite end of the Showmobile. Then select the third unit with the special jacks, lower the jacks, and set it up across the front of the first two units on the right side. Continue installing remaining units across the front of two units, hooking each in place and leveling it before proceeding to the next unit.

5. To Make a 16' Stage with Runway

Having set up the Showmobile as a 16' level stage according to step 5b (see page 8), you replace the short shank on each leveling jack on the front of the extra removable units with the longer shank. Then, taking the first unit to the center of the stage, hook it to the front edge of the units already installed, making sure the jacks are properly engaged and that the unit is properly leveled. Then, in like manner, attach a second unit to the front of this first unit and continue until all extra units are installed. This will provide a runway 4' wide and approximately 64' long (Model 6432B) or approximately 48' long (Model 6424B).
**THE WENGER SHOWMOBILE IS VERSATILE**

**MODEL 6432B-H**

May be Used in the Following Set-ups in Addition to Set-ups for 6432A:

<table>
<thead>
<tr>
<th>SET-UP</th>
<th>TOP VIEW</th>
<th>END VIEW</th>
<th>USES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SET-UP 1</td>
<td><img src="image" alt="Top View" /></td>
<td><img src="image" alt="End View" /></td>
<td>Band, Orchestra, Outdoor Classroom, Graduation, Chorus</td>
</tr>
<tr>
<td>4-level riser</td>
<td>32' x 16'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| SET-UP 2 | ![Top View](image) | ![End View](image) | Orchestra, Band Concert Stage |
| 2-level riser | 24'' elev. 40' x 12' | 36'' elev. 32' x 8' | |

| SET-UP 3 | ![Top View](image) | ![End View](image) | Orchestra, Speaker's Platform |
| 2-level riser | 24'' elev. 32' x 16' | 36'' elev. 32' x 8' | |

| SET-UP 4 | ![Top View](image) | ![End View](image) | Dramatic Productions, Outdoor Theatre, Speaker's Platform |
| 32' x 24' flat stage | 24' | | |

| SET-UP 5 | ![Top View](image) | ![End View](image) | Style shows, Coronations, queen contests |
| 32' x 16' stage with 64' x 4' runway | | | |

See reverse side for set-ups possible with either Model 6432A-H or 6432B-H.
General Instructions

Each purchaser of a Showmobile is furnished with a complete kit for adapting his towing vehicle to properly handle the Showmobile. This kit consists of the following items:

1. A heavy-duty ball hitch, lock washer, and nut.
2. An electric brake controller, complete with all the necessary parts.
3. A dust-proof, electrical junction box for all wires leading to the Showmobile.

It is recommended that the tow truck and kit, together with all drawings and instructions, be taken to a reputable garage so that proper installation may be assured.

1. Trailer Hitch

Refer to drawing 70N12A for instructions on the trailer hitch. The trailer hitch should be of all-welded construction, and we recommend the use of 3" x 3" x 3/8" angle or 6" channel for the trailer hitch frame.

The tow truck should be at least 1 ton capacity and, preferably, have dual wheels.

As shown on the drawing, the under face of the ball should be 21" from the ground with approximately 600 lbs. of weight on the rear end of the truck to simulate the weight of the Showmobile as it has 600 lbs. weight on the hitch.

2. Electric Brake Controller

This unit has a complete detailed set of instructions for installation on either a 6 or 12 volt electrical system on the truck. NOTE: All Showmobiles are equipped with 12 volt bulbs. If a 6 volt towing truck is used, all bulbs must be changed. If the factory is notified at least 2 weeks in advance of shipment, 6 volt bulbs will be installed free of charge.

3. Dust-proof Junction Box

The bracket for holding the junction box should be installed approximately 6" to the left of the ball hitch and should be located approximately 3" forward of the ball hitch so that it will not get knocked off.

Refer to drawing 70N13 for wiring instructions.
WIRING CODE

NO. 1 -- BRAKES
NO. 2 -- GROUND
NO. 3 -- CLEARANCE LIGHTS
NO. 4 -- RIGHT TURN
NO. 5 -- STOP LIGHT
NO. 6 -- LEFT TURN

VIEW OF 6 WAY CONNECTOR
SCALE: FULL
2-5/16" Dia. Ball

21"-To Ground With 600 Pounds On Rear Of Truck To Equal Weight Of Showmobile Tongue

Trailer Hitch On Customers Truck

Lock Washer

Hex Nut

Ground Line