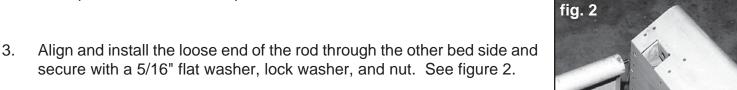


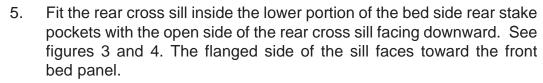
BED PARTS ASSEMBLY GUIDE 1940 CHEVY SHORT STEPSIDE

If you have not yet disassembled your original bed, make notes or sketches and take pictures of part locations to aid in the assembly procedure. Use the following steps to assemble the entire bed to test fit all parts.

- 1. Begin with one bed side and the front bed panel. Bolt the front bed panel flange to the inside of the bed side with (4) 1/4"-20 x 5/8" hex head bolts, lock washers, and nuts from the front bed panel mounting bolt kit. See figure 1.
- 2. This bed also uses a long rod that attaches through the front bed panel curl to the bed sides. Install a 5/16" flat washer, lock washer, and nut on one end of the rod. Insert the rod through the top hole in bed side into the top curl of the front bed panel.



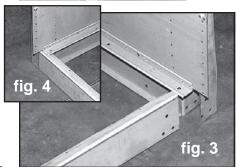
4. Bolt the front bed panel to the other bed side with (4) 1/4"-20 x 5/8" hex bolts, lock washers, and nuts.



- 6. Using (8) 5/16"-18 x 3/4" indented hex head bolts, nuts, and lock washers, bolt the rear cross sill to the stake pockets. Use the bottom (4) holes in each rear stake pocket only for now.
- 7. Once these four pieces of the bed are assembled, you will need to make sure your bed is square. Measure the bed width at the top and bottom of bed sides to ensure that the bed sides are straight up and down and are 48 1/2" apart. See figure 5. Now tighten the rear cross sill bolts.

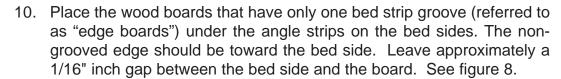


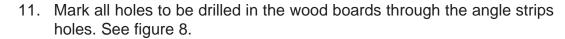


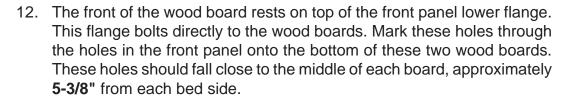




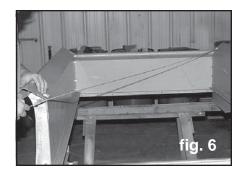
- 8. Measure crosswise from the front of the bed to opposite rear on both sides. These measurements should be within 1/16" of each other to ensure that the bed is square. Now tighten all bolts. See figure 6.
- 9. Place the assembly on supports horizontally to gain access to both the top and bottom of the bed floor area. See figure 7. This can also be achieved by standing the bed assembly vertical. Place a blanket or other suitable protection on the floor and stand the bed assembly on the front bed panel.

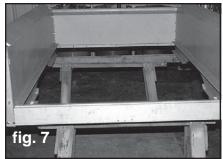






- 13. Remove these two boards and drill all holes marked using a 3/8" wood bit. Be careful not to splinter the other side of the board when drilling. Placing a wood block behind the board where drilling will help prevent this. See figure 9.
- 14. Install the edge boards underneath the angle strips as in step #10. Place 5/16"-18 x 1-1/2" carriage bolts through the angle strips and the boards. See figure 10. Also install these through the boards and the front bed panel lower flange. Leave off the lock washer and nut for now.



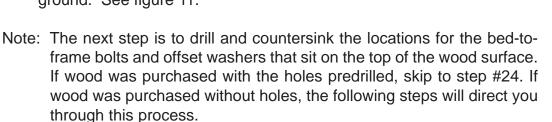


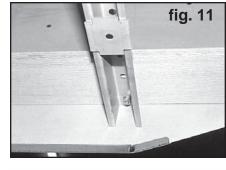






15. Attach the cross sills with brackets to the 5/16" bolts in the angle strips approximately 2-5/8", 26-5/8" and 52-7/8" respectively from the front bed panel. The two offset brackets go with the third cross sill from the front and the hole is offset toward the bed sides. Install lock washer and nut and hand tighten. The cross sills should be installed so that when the bed is installed on the frame the cross sills should be open toward the ground. See figure 11.

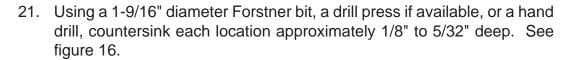


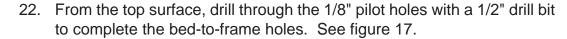


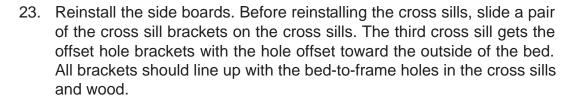


- 16. The first cross sill closest to the front bed panel is the first bed-to-frame hole location. Mark the bottom of both side boards through the 1/2" diameter cross sill holes that are **36-5/8**" apart from center of hole to center of hole. See figure 12.
- 17. The second bed-to-frame bolt location is in the third cross sill counting back from the front bed panel. Mark the bottom of the wood boards through the 1/2" diameter cross sill holes that are **44-3/8**" apart from center of hole to center of hole. The second cross sill from the front bed panel does not have a bed-to-frame bolt.
- 18. The third bed-to-frame bolt location does not pass through a cross sill. There are two large wood blocks that fit between the wood and frame just in front of the rear cross sill. The rear most bed-to-frame bolt passes through these wood blocks. You can't install these wood blocks now but you need to mark the bed-to-frame holes. Measure from the outside edge of the wood board at the bedside inward 2 inches and mark each board on the driver and passenger side. Now measure from the front of the wood boards 72-3/4 inches back and mark the boards. Where these two marks meet is the rear most bed-to-frame bolt positions. These two marks should be 44-3/8" apart from driver side to passenger side.
- 19. Make reference as to which end of each board is at the front of the bed. Remove the cross sills and boards. The bottom side of these boards should now have two 1/2" diameter holes marked on each of them and one cross mark from the previous step.. Drill a 1/8" diameter pilot hole through the center of these marks completely through the boards.

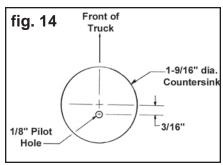
20. On the top surface of the boards, measure toward the front of each board 3/16" from the front pilot holes and mark the boards for the countersunk bed-to-frame offset washer. See figure 14. The back two holes in each board need to be marked 3/16" forward at a 45 degree angle toward the center of the bed. See figure 15.

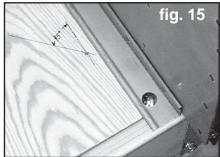






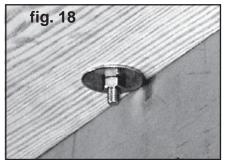
- 24. Tack weld the cross sill brackets in place. Make sure that the bed-to-frame hole spacing measurements are the same as listed in steps 16 and 17.
- 25. Where there is not a cross sill attached to the angle strip bolts, install a 1-1/2" outside diameter flat washer with a 5/16" diameter hole on the bottom of the wood surface before installing lock washer and nut hand tight. See figure 18.
- 26. Install a 5/16" flat washer, lock washer, and nut to the front bed panel bolt attached to the wood board hand tight.



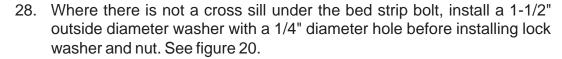




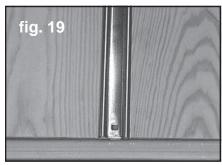


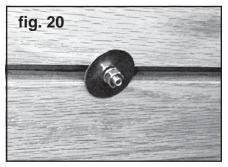


27. Place the next board into position on both sides leaving approximately a 1/2" space between the boards. Place a bed strip in the grooves on top of the boards. The end of the strip with the hole closest to the end is positioned on the rear cross sill. See figure 19. The bed strip holes should line up to each cross sill. Loosely install the 1/4" bed strip bolts, nuts, and lock washers. If using custom bed strips with hidden fasteners, follow the instructions supplied with those bed strips for correct installation.

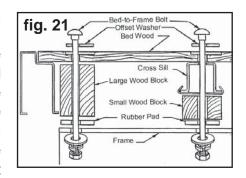


29. Continue installing boards and strips from both sides working toward the center. Adjust the gaps between the bed strips and the boards before tightening the bolts. Do not over tighten or broken bolts and damaged bed strips may occur.





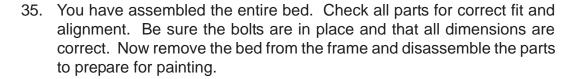
- 30. Mark the front of the remaining boards through the front bed panel lower flange as in steps #12 and #13 after the spacing of the strips and the wood is satisfactory. These holes will be drilled 3/8" diameter prior to wood finishing.
- 31. Install the completed bed assembly to the truck frame. This will enable you to check the alignment of the bed-to-frame bolt locations. The order in which parts are installed on the truck frame is: rubber pad, wood mounting block, cross sill bracket/cross sill, and the bed assembly. See figure 21. Make sure that the wood blocks with the offset hole are located under the third cross sill that has the offset hole cross sill brackets attached. At this time you need to install the large wood blocks at the rear of the bed. These large wood blocks fit up against the bottom of the wood boards and rest on the rubber pad on top of the frame.. The angled cut on the bottom of the wood block should be against the bottom of the bed side. The rear most bed-to-frame bolt can now be installed. These bolts hold the bed-to-frame



blocks in place. There are two holes in the wood blocks that are horizontal. This year of truck does not use these holes.

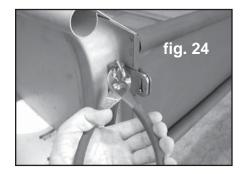
32. After checking the alignment of the bed assembly to the cab and frame mounting holes, install the 3/8-16 X 6" bed-to-frame bolts and offset washers on the top of the wood. Install the flat washers, lock washers, and nuts on the bottom side.

- 33. Install one hinge onto passenger side rear stake pocket with (2) 5/16"-18 x 3/4" indented hex bolts. Install the tailgate onto this hinge. Install the second hinge into the other end of the tailgate. Bolt the second hinge to the driver side stake pocket. See figure 22.
- 34. Install the tailgate chain closeable links onto the stake pockets brackets. See figure 23. Squeeze the closeable links shut with pliers. This model has a left and right tailgate chain assembly. Check the tailgate for proper operation.











FINAL ASSEMBLY

After the parts are painted, the bed is assembled by the same procedure. By taking the time to assemble and test fit the bed before painting, you have reduced the chances for errors or problems in final assembly.

©Copyright 2007 MAR-K Quality Parts, L.L.C. All rights reserved.



FACTS ABOUT OUR PARTS

Stainless Steel: Bed strips, angle strips, and stainless mouldings are made of type 430 or 434 bright stainless steel, selected because of its color. It is a magnetic grade of stainless formulated for automotive stainless steel trim. When it is polished and buffed, its bright color looks similar to chrome plating. Stainless hardware items such as bolts, nuts, tailgate chain parts, and bed-to-frame washers are made of nonmagnetic stainless selected for superior resistance to rust and corrosion.

Care of Stainless / Rusting: With proper care, stainless steel will remain bright and smooth for long periods of time. It may be cleaned with liquid polish intended for stainless of chrome. DO NOT use steel wool, a steel wire brush, or a buffing wheel which has been used on steel or other metals. Bright stainless parts should be coated with a good nonabrasive wax for maximum protection. Stainless steel will rust or corrode under certain conditions, especially when contaminants such as salt water, battery acid, or steel particles and moisture are present. Frequent washing and waxing are a great protection against damage to stainless steel surfaces.

Electro-galvanized Steel: Many of the sheet metal parts MAR-K manufactures are made of electro-galvanized steel. This means the metal is electroplated with a thin layer of zinc by the steel manufacturer. There are several reason for selecting this steel for our product.

- 1. Electro-galvanized steel is clean and dry.
- 2. The zinc protects our parts from rusting during our processing and while on the shelf.
- 3. After the parts are painted, the zinc under the paint helps prevent loss of paint adhesion or rusting if the paint surface is scratched or damaged.

Preparing Parts for Painting: The objectives of painting a part are to protect the metal and to provide a beautiful colored surface. No matter how beautiful the paint, if it doesn't stick to the surface, it will not be satisfactory. Excellent paint adhesion to a metal surface depends mainly on two things, the quality and characteristics of the primer used, and how well the surface is cleaned and prepared for painting. Prepare the surface as follows to help the paint have the best adhesion possible.

Steps for Excellent Paint Adhesion on MAR-K parts

The following steps are a general guideline to obtain excellent paint adhesion to your new parts

1. Select the primer product with the best adhesion properties within the paint system you are using. Products such as PPG "DPLF Epoxy Primer", Sherwin Williams G.B.P. Etching Filler or Etching Primer, and DuPont Variprime 615S/625S Self-Etching Primer will provide excellent adhesion to MAR-K metal parts that have been properly prepared for painting.

- 2. Wipe the part with solvent such as PPG DX330 Wax and Grease Remover, Sherwin Williams R7K156 Solvent Cleaner, or DuPont 3919S Prep-Sol to remove grease and lubricants from the manufacturing process.
- 3. Scrub all surfaces of the part with mild detergent in hot water. Rinse well and wipe dry with a clean dry cloth.
- 4. Wipe the part again with solvent as in step 2 above. The surface must be absolutely clean before sanding to prevent the sanding process from spreading the contaminants or imbedding them into the surface.
- 5. Scuff sand all areas to be painted using progressively finer grit to about 240 grit paper. Do not try to completely remove or sand through the zinc plating, but the complete part must be thoroughly sanded for best paint adhesion. Use a "DA" sander for broad flat areas and hand sanding for areas that can't be reached with the power sander.
- 6. Wash and rinse away all sanding residue. Use compressed air to blow the rinse water out of all seams and dry the parts with a clean towel. If the rinse water beads up anywhere on the surface, it is not clean and the solvent wipe and water washing steps must be repeated and additional sanding may be required in that area.
- 7. Wipe with solvent such as PPG DX330, Sherwin Williams R7K158, or DuPont 3901S to remove any traces of contaminants or sanding residue. Wipe the surface dry with a clean cloth. Do not allow the solvent to evaporate dry on the surface. Wet it again if it should evaporate dry.
- 8. The parts should be ready for prime painting. PPG recommends a final wipe with a clean damp cloth to remove any residue left from evaporation of the solvent. A quick wipe with a tack rag right before priming helps remove any remaining dust.
- 9. Immediately after cleaning and drying the parts as above, apply the primer according to the manufacturer's instructions for the products you are using. The recommended drying time between coats is especially important.

Some other helpful hints for a successful paint job.

- 1. Be sure to use fresh paint products that are top quality from a reputable manufacturer. Do not try to economize by using inferior or leftover paint materials.
- 2. Select all the products for a paint job from a single manufacturer and do not mix different systems within a brand of paint. Use only products that are intended to be used together.
- 3. Do not use the same air hoses on your paint gun that are also used with air tools such as sanders and air wrenches. Oil in the air tools will find its way into the hose and be a source of contamination for the paint. New hoses contain oils and other contaminants and should be cleaned before use on a paint gun.
- 4. Wear clean latex or nitrile gloves to prevent fingerprint oils from contaminating the surfaces of your cleaned parts.
- 5. Plan to prime the parts immediately after cleaning and sanding to prevent any bare steel areas from developing surface rust or the parts from becoming contaminated again.
- 6. Obtain a technical data sheet for each product being used and read and follow the instructions. The manufacturer's data sheet will provide specific instructions that apply to the product being used. These are available on-line or from your paint supplier.

©Copyright 2007 MAR-K Quality Parts L.L.C. All rights reserved.