



103ab

103 BUNK ACCESSORY KIT
(with falling stakes)

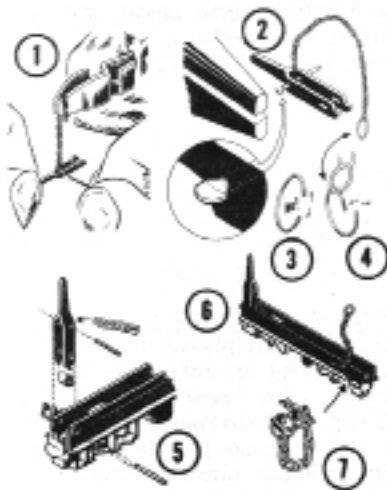
Contents:

- 1 tag wire
- 2 chains (8")
- 4 log bunks
- 8 stakes
- 10 bushings
- 10 grab rings

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673 Avenue C • White City, OR 97503



STAKE AND CHAIN ASSEMBLY:

A piece of chain $1\frac{7}{8}$ " long is attached to each stake, this can be accomplished by suspending chain from fixed position so that one end will hang free, leaving both hands available for attachment. Fig. 1 shows one satisfactory method. A small clamp

type tweezer, such as made by Exacto, is held by burying handle end in lump of modeling clay while chain is gripped so one end hangs free. Hold stake up to chain with last link entered between stake legs and centered between holes. Next feed length of wire through stake leg on one side, through end chain link, and the opposite stake leg. Flatten one end of wire by squeezing between jaws of pliers. Trim this flattened end, as shown by dashed lines on flattened wire (inset fig. 2), but leave sufficient flare to prevent wire pulling back through stake. Push this flattened end as close as possible to stake side while other end of wire is trimmed close to stake on its side. Repeat flattening process once again with pliers and trim as recommended for first side. The objective is to have as little excess wire as possible extending beyond stake sides, otherwise, stakes will not fit down between bunk sides when car is unloaded and they are not required.

One other method of lessening this possibility is to use a #61 drill to countersink or make bell-mouthed holes which chain anchor wire passes. In this case, wire can be inserted and flattened as mentioned previously, but the wider mouth of the hole permits the flared wire end to pull inside the hole, yet not completely through. A few light strokes with file will remove excess wire beyond stake side and tend to create a burred end to further prevent wire pulling out. Still another method is to cut wire ends close to stake on either side, bend wire ends over against stake sides, after which wire thickness can be reduced with a few file cuts to provide clearance. Remember, stakes are made of a rather easy cutting metal and filing and drilling operations must be handled with great care.

GRAB RING ASSEMBLY: This grab ring is a small wire loop having two free ends, which must be spread apart and inserted through

end link of stake chain, one rig for each stake chain. Fig. 3 shows how NOT to spread this ring, instead, follow directions of arrows in Fig. 4 to spread ring ends sideways after fashion of a split lock washer. Insert ring through chain link, close ring ends together again, following this method the circular appearance of the ring is not so likely to be distorted.

STAKE TO BUNK ASSEMBLY:

Insert small plastic bushing between legs of stake and center holes in the lower end of stake. Using wire provided, push a length of wire through hole in bunk end, through the plastic bushing in stake and out through the other side of the bunk using pliers to force wire through with a twisting motion. The wire is a snug fit in bushing so this friction will keep the wire in place permanently. Trim wire close to bunk sides and proceed with other three stakes. Placement of these parts is shown in Fig. 5.

Once stakes are in place, feed free end of stake chains through side openings in bunk opposite from where stake is located. (Fig. 6 - only one stake is shown for clarity) To hold a load of logs, stakes must be near vertical and they are prevented from falling outwards by adjusting chain length on opposite side of bunk. At this point chain links are caught between two vertical projections on a small bracket on bunk side. See Fig. 7 and note how excess chain drapes downward from the bracket and is then brought back up to place grab ring over a third outer lug on bracket.

KINGPIN BEARING PLATE: Put bunks into place, center stud of bunk passing through car body (Fig. 6). Insert 2-56 screw up through center of truck bolster and place kingpin bearing plate over screw and down into truck kingpin hole. Screw truck up into bunk center but allow sufficient play here so trucks will swing freely.