

AERO-MOTIVE COMPANY



A Woodhead Industries, Inc. Subsidiary

IMPORTANT SAFETY INSTRUCTIONS

Please read this manual carefully and follow its instructions. Improper use or failure to follow these instructions could result in serious injury, death or property damage. Operators should be instructed in the safe and proper use and maintenance of this product. Keep this manual for future reference.

The following safety precautions call attention to potentially dangerous conditions.

! DANGER: Immediate hazards which **WILL** result in severe personal injury or death.

! WARNING: Hazards or unsafe practices which **COULD** result in severe personal injury or death.

! CAUTION: Hazards or unsafe practices which **MAY** result in *minor* personal injury or product or property damage.

INSTALLATION

! WARNING: Failure to read, understand, and follow these instructions creates hazards that **COULD** result in personal injury or death.

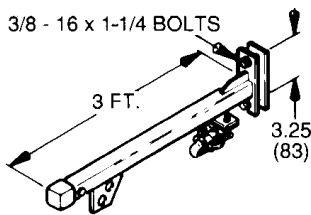
! CAUTION: Instruct operators in the safe, proper use, and maintenance of the reel. Keep this manual for future reference. Hazards or unsafe practices **MAY** result in *minor* personal injury or product or property damage.

WALL MOUNTED FIXED JIB & WALL MOUNTED SWING JIB

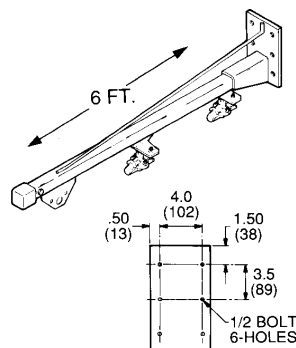
NOTE: Contact the maintenance supervisor for proper mounting method and hardware when mounting workstation equipment to floor, bench, or wall.

! WARNING: All mounting surfaces must be suitable to support the load. Improperly mounted overhead loads **COULD** result in personal injury or death.

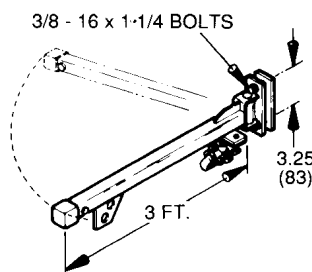
Mount unit to wall with base of unit according to specifications shown in Figures 1 through 4. Hang tool from trolley and run hose line through hose support clamp. Be sure to leave room between trolley and hose clamp so that movement is not restricted.



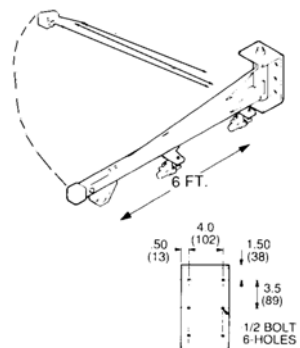
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FIGURE 1	FIGURE 2	FIGURE 3	FIGURE 4
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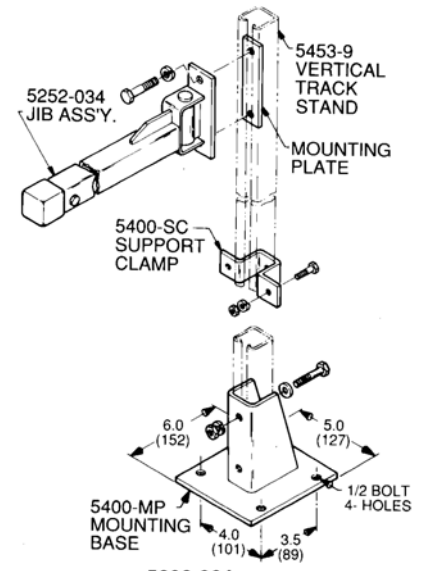
WARNING: All mounting surfaces must be suitable to support the load. Improperly mounted overhead loads **COULD** result in personal injury or death.

UPRIGHT SWIVEL JIB ASSEMBLY WITH SUPPORT BRACKET

NOTE: Contact maintenance supervisor for proper mounting method and Hardware when mounting workstation equipment to floor, bench, or wall.

Assemble base plate as shown in Figure 5 with vertical track stand.

- If floor mounted loosen bolts to mounting plate on jib assembly. Slide mounting plate with jib assembly down inside vertical track until desired height and tighten bolts. Mount base to floor. Use base as template or refer to dimension as shown in Figure 5. Mount support bracket to bench or wall. This is required on vertical track over six feet.
- If bench mounted, bolt base on top of bench. Adjust jib assembly to desired height and tighten. Maximum height for bench mount is six feet. Cut off excess track. Mount support bracket to bench or wall. This is required on vertical track over six feet. Hang tool from trolley and run hose line through hose support clamp. Be sure to leave room between trolley and hose clamp so that movement is not restricted.

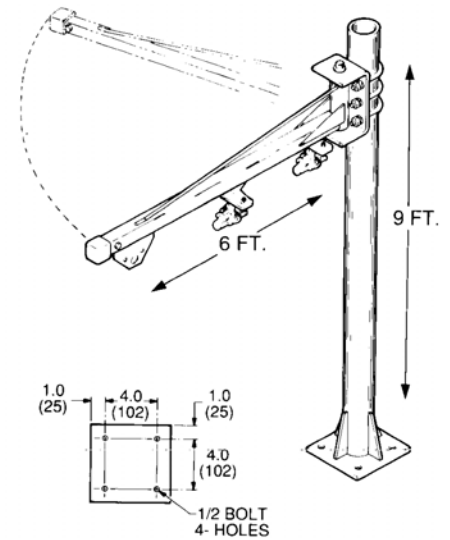


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5400-SC
5400-MP
FIGURE 5

FLOOR MOUNTED SWIVEL JIB ASSEMBLY

NOTE: Contact the maintenance supervisor for proper mounting method and Hardware when mounting workstation equipment to floor, bench, or wall.

Mount base to floor. Use base as template or refer to dimension as shown in Figure 6. Loosely assemble U-bolts to jib assembly. Slide jib assembly with U-bolts over pipe stand until desired height and tighten U-bolts. Hang tool from trolley and run hose line through hose support clamp. Be sure to leave room between trolley and hose clamp so that movement is not restricted.



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FIGURE 6

DOUBLE WALL MOUNT



CAUTION: The recommended unsupported horizontal track length is four feet. The maximum unsupported horizontal track length is six feet. Do not exceed six feet when mounting horizontal lengths of track. Hazards or unsafe practices **MAY** result in *minor* personal injury or product or property damage.

Loosely assembly track nuts to joint hanger bracket. Remove cap from the track mounted to wall. Slide track nuts inside track and replace cap. Do the same on other stand. See Figure 8. Loosen bolts on both joint hanger brackets to allow cross track to slide in. Slide track through both hanger brackets until it is in the desired position. Tighten all bolts. Remove one bolt on end of track so track can slide through hanger brackets. Remove bolts on each end of track. Slide trolley inside track. Slide end stop assembly into both ends of horizontal track. Place bolts into holes behind end stop for back up. Replace caps. Mount base to wall. Use base as template or refer to dimension as shown in Figure 9.

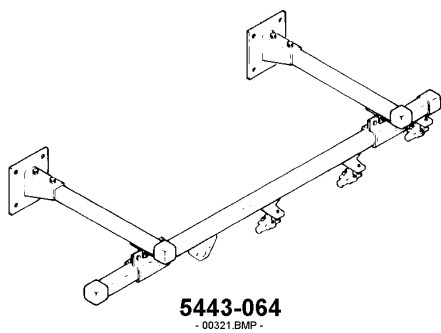


FIGURE 7

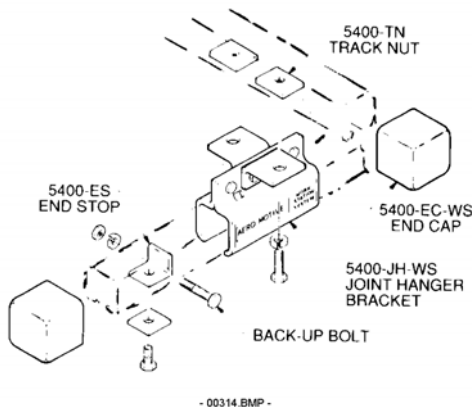


FIGURE 8

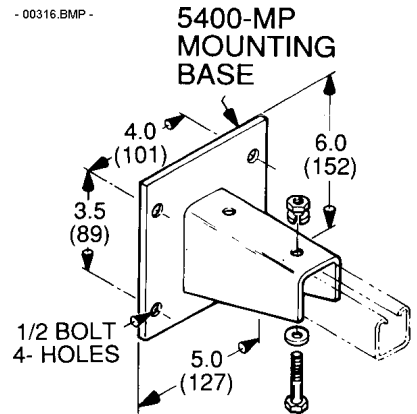


FIGURE 9

DOUBLE FLOOR MOUNT WITH HORIZONTAL RUNWAY

- CAUTION:** The recommended unsupported horizontal track length is four feet. The maximum unsupported horizontal track length is six feet. Do not exceed six feet when mounting horizontal lengths of track. Hazards or unsafe practices **MAY** result in *minor* personal injury or product or property damage.
- CAUTION:** It is essential that any single unsupported length of track not exceed six feet in height. Unsupported vertical lengths of track that exceeds six feet in height should be mounted to walls or workbenches using support clamp. See Figure 10C. Hazards or unsafe practices **MAY** result in *minor* personal injury or product or property damage.

NOTE: Contact the maintenance supervisor for proper mounting method and hardware when mounting workstation equipment to floor, bench, or wall.

Assemble base plate as shown in Figure 10D. Loosely assemble track nuts to joint hanger bracket. Remove cap from the stand's end horizontal track. Slide track nuts inside track and replace cap. Do the same on other stand. Figure 10A. Loosen bolts on both joint hanger brackets to allow track to slide in. Remove bolt in track from one end to slide track in. Slide track through both hanger brackets until it is in the desired position. Tighten all bolts. Remove bolts on each end of track. Slide trolley and end stop assembly into both ends of horizontal track. Place bolts into holes behind end stop for back up. Replace caps. For trolley car fitting assembly, assemble as shown in Figure 10B. Use pipe sealant as required at connections. For bench mounting, bolt base on top of bench. Adjust horizontal jib to desired height and tighten. Maximum height for bench mount is six feet. Cut off excess track.

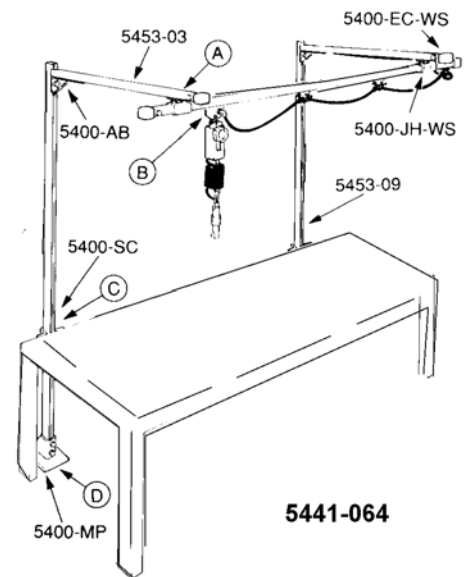
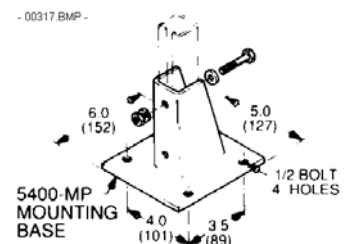
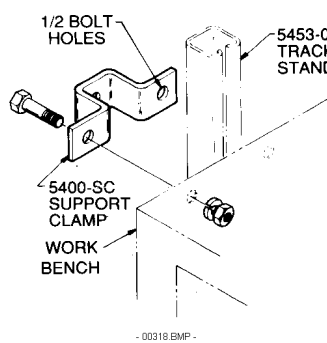
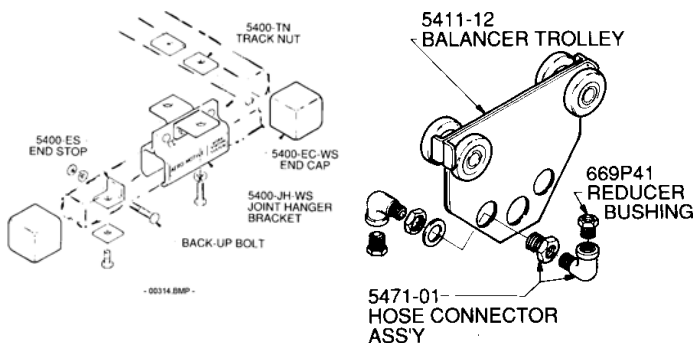


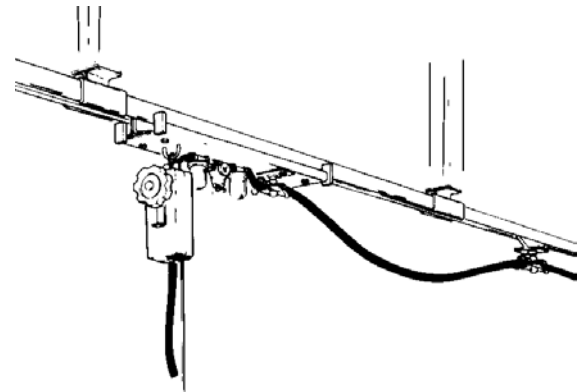
FIGURE 10



CEILING MOUNT RUNWAY WITH FLR BALANCER TROLLEY

NOTE: Contact the maintenance supervisor for proper mounting method and hardware when mounting workstation equipment to floor, bench, or wall.

The six foot or twelve foot track sections can be used when setting up for runway application, but track must be supported at least every six feet by a joint hanger bracket. Joint hanger bracket must be mounted to some kind of ceiling support, such as an I-beam or a fabricated support from the ceiling. Consult plant engineers department for proper method of support. Track will lock into joint hanger bracket with tabs on the track. See Figure 12.



**FLR Balancer Trolley
(Model 5521-FR & 5531-FR)**

FIGURE 11

TRACK MOUNTING



CAUTION:

Joint hanger bracket may be mounted to an existing support or a fabricated hanger. Hazards or unsafe practices MAY result in *minor* personal injury or product or property damage.

Recommended unsupported horizontal track length is four feet. Maximum unsupported horizontal track length is six feet. Do not exceed six feet when mounting horizontal lengths of track. Mount joint hanger bracket to a support from the ceiling above work area. Joint hanger must be spaced no more than six feet apart. See Figure 11. Loosen bolts of hanger bracket so track can slide inside. When using a joint hanger bracket to connect track sections, slide track half way in on each side until tabs of track lock into opening of joint hangers. Tighten bolts. At both ends of runway, place an end stop inside of track with a back up as shown in Figure 10A.

FLR BALANCER TROLLEY

Mount FLR on bottom of pendent lead car between saddle and balancer hanger when using a FLR system. Mount system so inlet line will be located in line with saddle. Run hose through saddle, then into FLR system. Hang balancer from loop provided on pendent lead car.

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