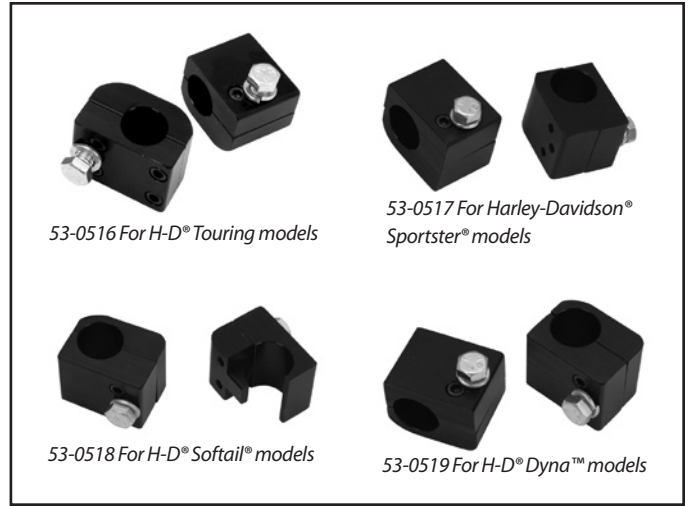


**Typical complete Frame Lock™ kit**



**Clamp set for each model**

53-0516 For H-D® Touring models

53-0517 For Harley-Davidson® Sportster® models

53-0518 For H-D® Softail® models

53-0519 For H-D® Dyna™ models

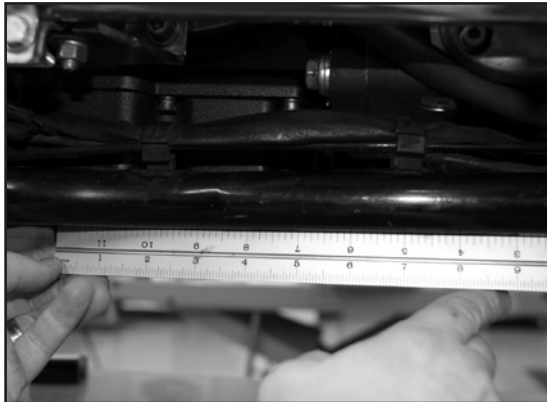
### FRAME LOCK™ BASE INSTALLATION

- 1- Start installation by deciding where the Frame Lock base will be mounted. It is best to position the motorcycle in the trailer to ensure adequate clearance between handlebars and wall of trailer, additional motorcycles, doors, etc.
- 2- Once location has been determined use Frame Lock base station to mark where holes must be drilled. It is best to start with a small drill and work up to a full ½-inch drill for the final size. Position the support bar under trailer floor. Pass customer supplied ½-inch diameter Grade 5 bolts (length depends on floor type—be sure that approximately ½" of thread is showing after tightening) through the Frame Lock base plate and support bar. Secure the assembly by placing a nylon nut on the bottom and tightening to 78 ft-lbs of torque.

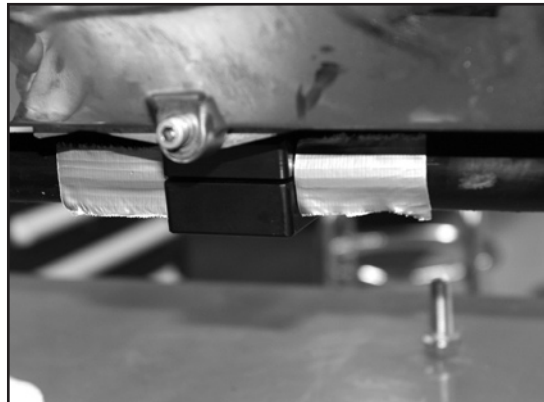
### FRAME LOCK CLAMPS AND EYELET BRACKET INSTALLATION

#### For Harley-Davidson® Touring models

- 1- Installation starts on the right (carburetor) side of the motorcycle with the two-hole frame clamp.
- 2- Loosen the clamp that holds wires to the frame.
- 3- Measure 7⅛" to 7½" from the transmission cross member and feed the two-hole top clamp (rounded profile) in place.



**Picture 1**



**Picture 2**

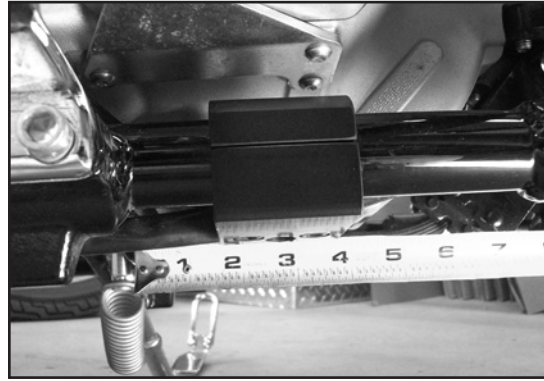
- 4- Install the bottom clamp and two included sockethead screws snug, but not tight at this time.
- 5- Measure the same distance from the transmission cross member (7⅛" or 7½") as you did on the carburetor side of the bike and install the four-hole top clamp (rounded profile). Install the bottom clamp and tighten the four sockethead screws, snug but not tight at this time. Mark the position of the clamp with tape on either side of the bracket (both sides of the bike) at this time.

### For Harley-Davidson® Dyna™ Models

- 1- Both sides of the Dyna installation are the same.
- 2- Install the large side of the clamp to the inside of the frame.
- 3- Position the clamp (left and right) with 1½" forward of space between the front of the cross member and the rear of the clamp.
- 4- Install the clamp with the socket-head screws snug but not tight.
- 5- Move to step 6 and continue installation.



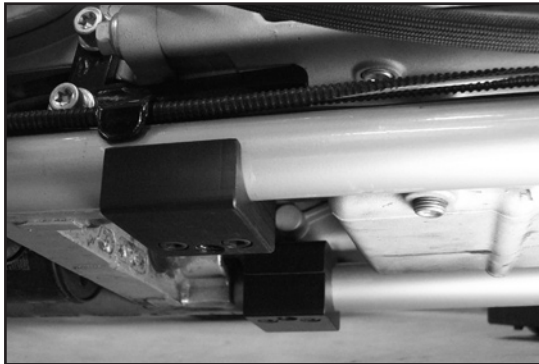
Picture 3



Picture 4

### For Harley-Davidson® Softail® Motorcycles

- 1- The ¾ round clamp mounts on the right (carburetor) side of the motorcycle.
- 2- Position the clamps with 1 ¾" of space between the cross member and the rear of the clamps.
- 3- Remember the large portion of the clamp is mounted to the inside of the frame.
- 4- Install the clamp with the socket-head screws snug but not tight.
- 5- Move to step 6 and continue installation.



Picture 5



Picture 6

### For Harley-Davidson® Sportster® Motorcycles

- 1- The notched clamp is mounted on the right (clutch) side.
- 2- The large side of the clamp is mounted towards the outside of the frame.
- 3- There needs to be 2¾" between the cross member and the back side of the clamp. If you have to remove the wiring harness clips, they can be mounted in holes on top of the Frame Lock™ clamps.
- 4- Install the clamp with the socket-head screws snug but not tight.
- 5- Move to step 6 and continue installation.



Picture 7



Picture 8

6- Mount the eyelet bracket with the included hex bolts securely. This will level the frame clamps.



Picture 9

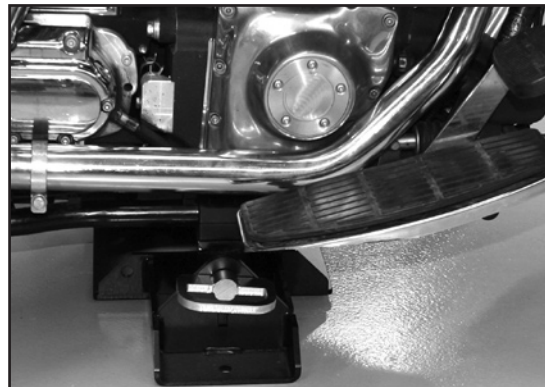
7- Remove the eyelet bracket and tighten the sockethead screws in the frame clamps.

**⚠ CAUTION**

**Do not ride motorcycle with eyelet bracket in place for any reason. Eyelet bracket must be removed when motorcycle comes out of Frame Lock™ mount.**

**ATTACH MOTORCYCLE TO FRAME LOCK™ FOR TRANSPORTATION**

1- Attach eyelet bracket to frame clamps and tighten hex bolts securely. Position motorcycle squarely and centered over Frame Lock base unit.



Picture 10

2- Slide the pin through the Frame Lock and eyelet bracket. Use a cotter pin or padlock (both customer supplied) to lock the pin in place. Slide the pin in place while you are seated on the motorcycle. It is not necessary to have someone assist you with pin insertion. If the holes do not line up perfectly it means you are not straight on the Frame Lock base. Turning the handlebars left or right will move the motorcycle horizontally to allow the pin to slide in. Be sure to install a locking device (customer supplied) in the pin once it is inserted.

**REMOVING MOTORCYCLE FROM FRAME LOCK**

- 1- Remove the pin while you are seated on the motorcycle.
- 2- Roll the motorcycle away from the Frame Lock base plate. Remove the eyelet bracket before riding the motorcycle.

**⚠ CAUTION**

**Do not ride motorcycle with eyelet bracket in place for any reason. Eyelet bracket must be removed when motorcycle comes out of Frame Lock mount.**