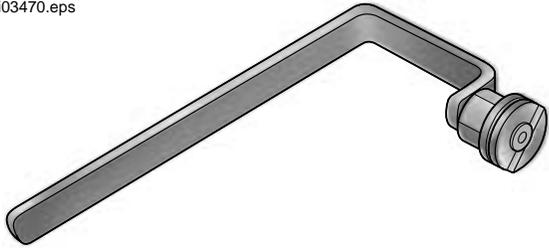


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# Service Tool Instructions

**Buell**<sup>®</sup>  
AMERICAN MOTORCYCLES

-J01393

REV. 1-12-2001

## B44623 ISOLATOR TOOL

### General

This tool is designed for expanding the frame during isolator replacement on Buell X1, M2 and S3/S3T Model Motorcycles.

#### NOTE

The procedures for performing isolator replacement are explained in detail in the applicable Service Manual and Service Bulletin B016. These publications are available at your Buell Dealer.

### Isolator Removal

1. Follow instructions in Service Bulletin B016 and applicable Service Manual up to the point where the following has been loosened or removed:
  - \* Left side rider footpeg mounting bolt and footpeg.
  - \* Front sprocket cover assembly (and fairing lower hardware on S3T models).
  - \* Sprocket cover screws and sprocket cover.
  - \* Frame side tie bar mounting hardware (front lower and center).
  - \* Tie bar bolt, lockwasher and washers from mount block.
  - \* Loosen left side isolator bolt.
  - \* Right side isolator bolt and washer.

### Tool Procedures

2. See Figure 1. Working on right side first, insert the rear isolator replacement tool between mount block and frame. **NOTE:** Ledge on tool should engage top of mount block.

#### CAUTION

Do not alter or shim in an attempt to spread frame further than tool will allow. Failure to comply may result in frame distortion or damage.

3. Turn nut on rear isolator replacement tool clockwise to expand frame from swingarm mount block until isolator can be removed. Nut will stop when limit of travel is reached.

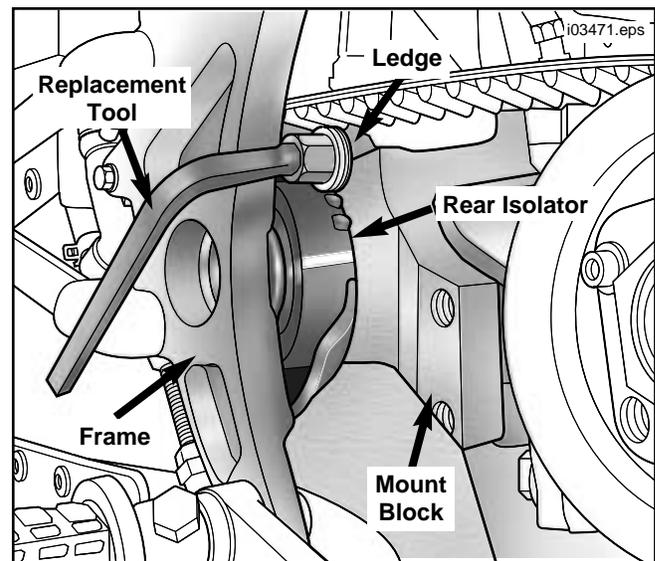


Figure 1. Isolator Tool In Use

4. Disengage right side isolator from roll pin in frame by pulling inward. Remove isolator by pulling out from 5:00 or 6:00 position. Discard isolator.
5. Remove rear isolator replacement tool by turning nut counterclockwise.

#### NOTE

Reverse procedures for isolator installation.

**SPX KENT-MOORE**