

2006-2007 DYNA SHOCK SCREW REPAIR

Purpose

This service bulletin documents the procedure to repair a broken shock screw on 2006 and 2007 Dyna models.

Harley-Davidson Technical Service has a repair tool kit (49764-06) available which allows replacement of a broken rear shock screw with a newer design shock stud. Vehicles not under warranty will be charged for shipping of the kit. Contact your Technical Service representative to obtain the shipment of the kit for use by your dealership. The kit must be sent back to Technical Services within five business days. In addition to this tool kit, the following parts should be ordered:

- (2) 54666-08 upper shock studs
- (2) 6792 washers
- (2) 7880 nuts

Motorcycles Affected

All 2006 and 2007 Dyna models.

Required Dealer Action

NOTE

If any component of kit arrives or becomes damaged, contact Technical Service to receive a replacement.

1. See Dyna Service Manual. Remove rear fender and rear shock absorbers.

NOTE

See Figure 1. In next step, be sure to only remove paint from frame. Do not remove or gouge metal.

2. See Figure 2. Using a drill (1) with an abrasive pad (2), remove paint from inboard and outboard area of frame (3) surrounding shock screw.
3. See Figure 3. Place fixture (2) in place on frame. Install two bolts (1) from kit through the fixture and rear fender forging.
4. Figure 4. Install nuts (1) on bolts with tapered end of nut facing frame.

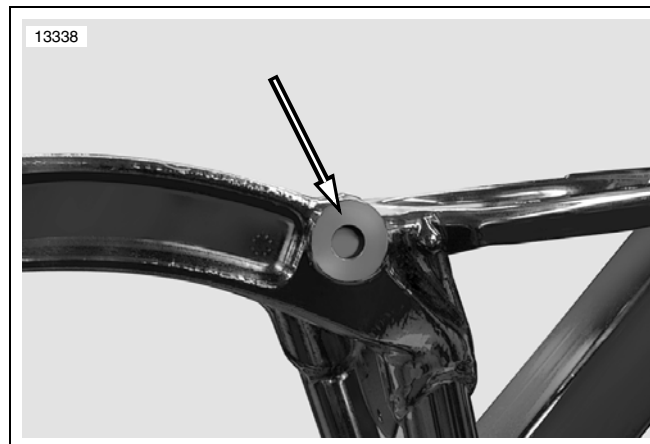


Figure 1. Frame Paint Removal Area



Figure 2. Removing Paint

IMPORTANT NOTE

In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	WARRANTY PROCESS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
INITIAL HERE									

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5. See Figure 5. Thread bushing (3) labeled number 1 into fixture.

NOTE

In next step, use cutting fluid on drill bit while slowly drilling screw. Failure to keep drill bit lubricated will cause damage to bit.

6. Using the 1/4" bit (2) from the kit, drill into broken screw to a depth of 3/4 in. (19.2 mm).
7. Remove bushing from fixture. Clean debris from area.
8. Using an easy-out, remove broken screw.
9. Thread bushing labeled number 2 into fixture.

NOTE

In next step, use cutting fluid on drill bit while slowly drilling hole. Failure to keep drill bit lubricated will cause damage to bit.

10. Using 1/2" bit, drill through threaded hole.
11. Remove bushing from fixture. Clean debris from area.
12. Thread bushing labeled number 3 into fixture.

NOTE

In next step, use cutting fluid on drill bit while slowly drilling hole. Failure to keep drill bit lubricated will cause damage to bit.

13. Using 17/32" bit, drill through hole.
14. Remove bushing from fixture. Clean debris from area.
15. Thread bushing labeled number 3 into fixture.

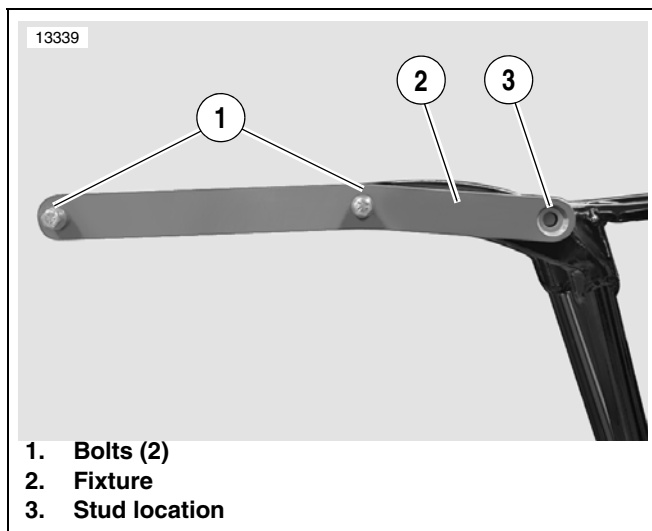


Figure 3. Frame Fixture

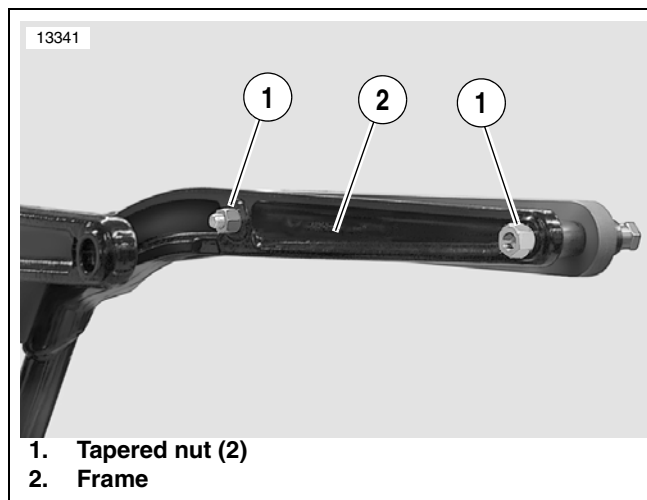


Figure 4. Frame Fixture Fasteners

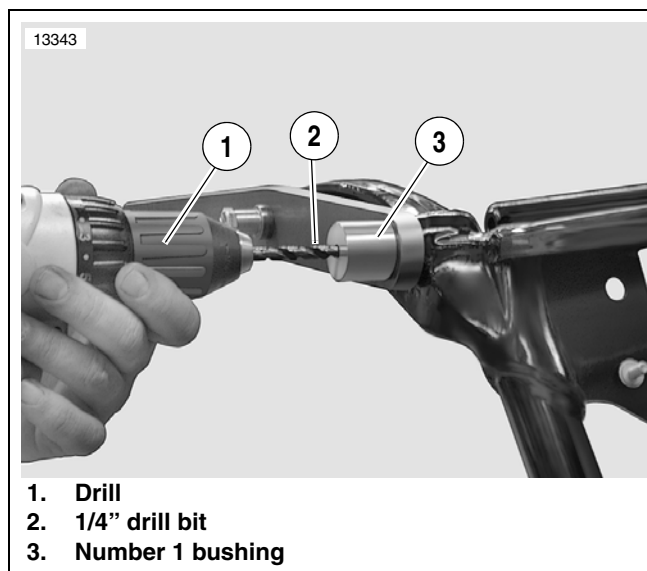


Figure 5. Drilling Broken Bolt

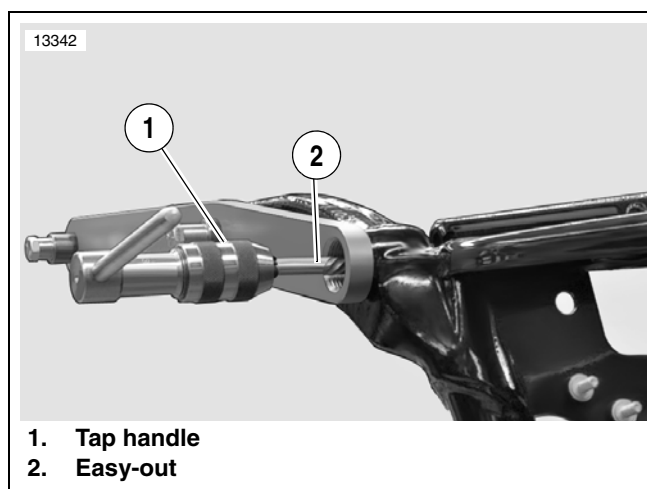


Figure 6. Easy-out

NOTE

In next step, use cutting fluid on drill bit while slowly drilling counterbore. Failure to keep drill bit lubricated will cause damage to bit.

16. See Figure 7. Using 11/16" bit w/stop, drill counter bore to a depth of 0.220"-0.250".
17. Remove bushing from fixture. Clean debris from area.
18. Remove fixture from frame.
19. See Figure 8. Deburr hole on inside of fender forging.
20. See Figure 9. Install shock stud into frame. Double nut shock stud to keep stud from rotating while tightening.
21. Install washer and nut on shock stud and tighten to 75-85 ft-lbs (101.7- 115.2 Nm).
22. Install remaining washer, nut and shock stud on opposite side of vehicle. Tighten nut to 75-85 ft-lbs (101.7- 115.2 Nm).
23. Install rear fender and shock absorbers. See Dyna Service Manual.
24. Send kit back to Technical Services. Any missing kit contents will be billed to your dealership.

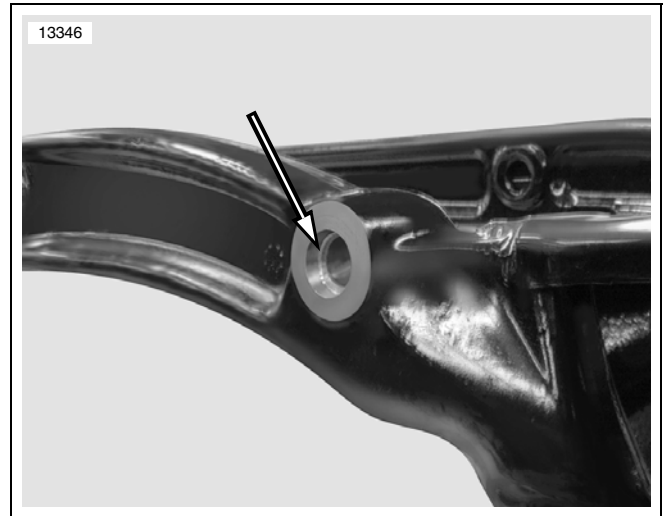


Figure 7. Counterbore



Figure 8. Deburr Frame

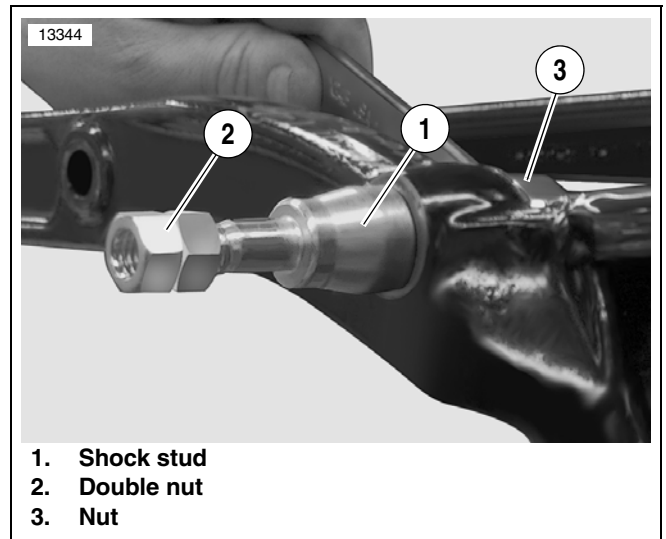


Figure 9. Shock Stud

Credit Procedure

Complete a warranty claim for each vehicle serviced. Reference Service Bulletin M-1211 in the “Comments” or “Notes” section. Fill in the rest of the claim as follows:

Claim Type*	MC
Event Problem Part Number	54718-06A
Part Description	Upper Shock Screw
Quantity	Leave blank
Additional Part Numbers/ Quantities	54666-08/2 6792/2 7880/2
Labor Code**	2488
Time	2.0 hr.
Condition Code	1211
Customer Concern Code	9203
* VIN requires verification of date of purchase to determine if vehicle is under warranty. This repair will only be honored while the vehicle is within factory warranty.	
** This code may need to be downloaded into your system.	

Upon receipt of the properly completed claim, you will receive credit for parts and labor shown above.

Shock Screw Repair Tool Kit (49764-06) Contents

Item	Quantity
Set Screw	1
Hex Screw	2
Nut	2
1/4" Drill Bit	1
1/2" Drill Bit	1
17/32" Drill Bit	1
11/16" Drill Bit	1
11/16" Drill Bit Collar	1
#1 Bushing	1
#2 Bushing	1
#3 Bushing	1
#4 Bushing	1
Fixture	1
Instruction Video	1