



DIGITAL  
**Guard Dawg**  
PERSONAL RECOGNITION SYSTEM

# HARLEY-DAVIDSON

## Starter Relay Location Guide 1995-2007



Digital Guard Dawg, Inc. 916-337-1040  
[www.digitalguarddawg.com](http://www.digitalguarddawg.com)

Revision 5.7

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# Touring

## 1998 - 2007

As of: 11.05

**Factory Relay Type:** FULL SIZE

**Factory Relay Part #:** 31504-91A

**System Relay Replacement:** R-S-1

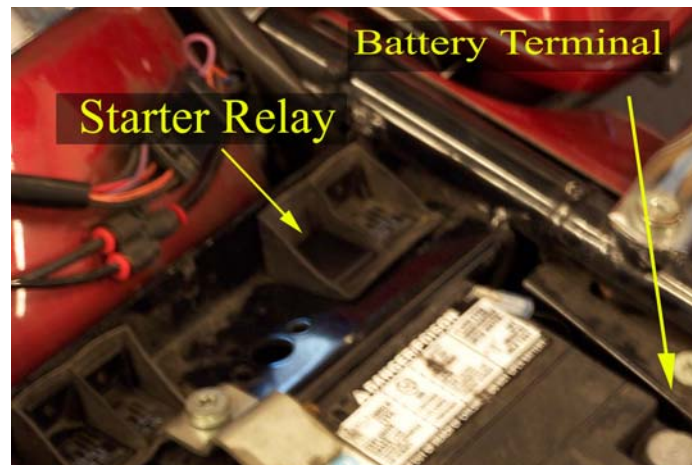
**Circuit:** Cold



**Relay Location:** *Under Seat in rubber Boot*

**Battery Connection:** *Under Seat, Visible*

**Connection Type:** *Ground Lug to  
Battery + Terminal*



**Installation Notes:** *No Access Issues*

**Additional Notes:**

**\*\*\*2004 - 2007 FLHR series bikes & 2007 FLHX require additional Adaptor AD-1 & DGD-1. Start Relay is in Power Distribution box.**

***Replaces H-D Relay part# 31579-04***

# Softails

## 2000 - 2007

As of: 11.05

**Factory Relay Type:** 1/2 SIZE  
**Factory Relay Part #:** 31522-00B  
**System Relay Replacement:** R-S-3  
**Circuit:** Cold



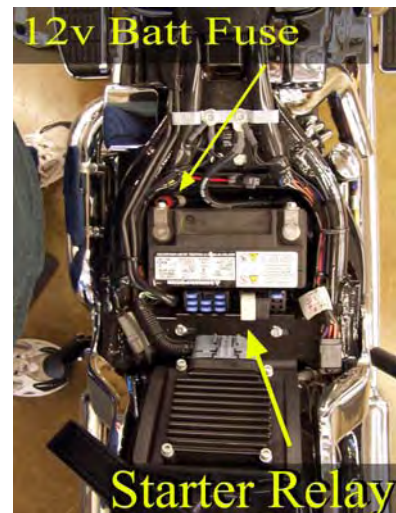
**Relay Location:** *Under Seat in covered Power Distribution Box.*

**Battery Connection:** *Under Seat, Visible*

**Connection Type:** *Ground Lug to Battery + Terminal*

**Installation Notes:** *No Access Issues*

**Additional Notes:** *2000 is when the Softails changed to Twin Cams.*



# Softails

## 1996 - 1999

As of: 11.05

**Factory Relay Type:** FULL SIZE

**Factory Relay Part #:** 31504-91A

**System Relay Replacement:** R-S-1

**Circuit:** Cold



**Relay Location:** *Under Seat in covered Power Distribution Box.*

**Battery Connection:** *Under Seat, Visible*

**Connection Type:** *Ground Lug to Battery + Terminal*



**Installation Notes:** *No Access Issues*

**Additional Notes:**



# Dyna

# 2007

As of: 11.05

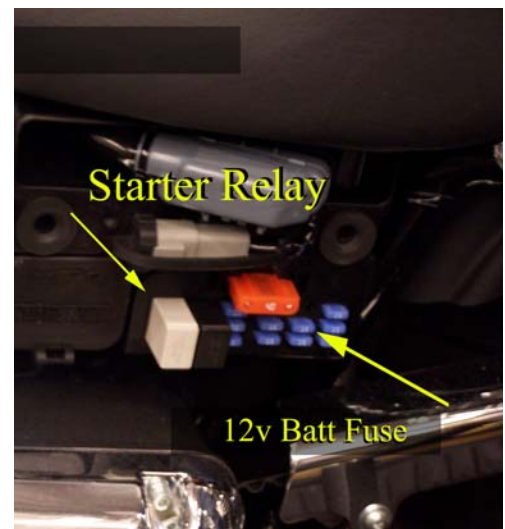
**Factory Relay Type:** 1/2 SIZE  
**Factory Relay Part #:** 31522-00B  
**System Relay Replacement:** R-S-3  
**Circuit:** Cold



**Relay Location:** *Under Side Panel Cover.*

**Battery Connection:** *Replace Batt 15A Fuse with Supplied Fuse Holder*

**Connection Type:** *Tap 12v Fuse (Batt 15A)*



**Installation Notes:** *No Access Issues*

**Additional Notes:**

# Dyna

## 2000 - 2005

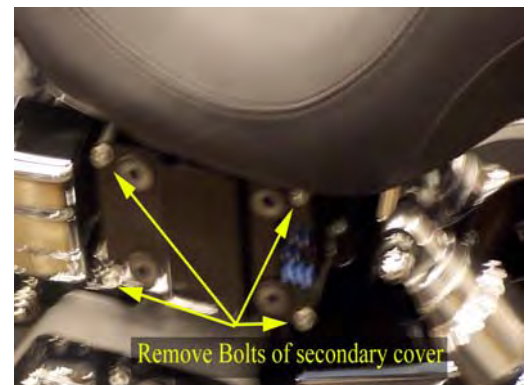
As of: 11.05

**Factory Relay Type:** 1/2 SIZE  
**Factory Relay Part #:** 31522-00B  
**System Relay Replacement:** R-S-3  
**Circuit:** Cold



**Relay Location:** *Under Side Panel Cover.*

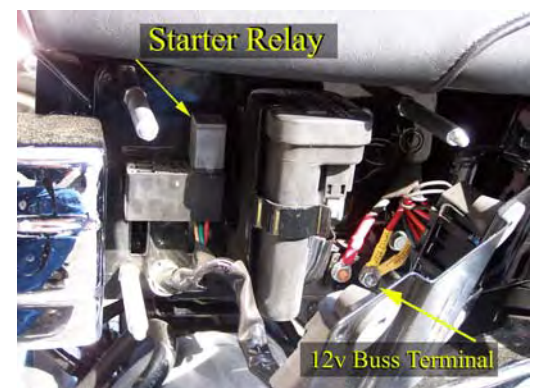
**Battery Connection:** *Battery connection is made direct to Battery Buss to right of Relay \* see Pic3*



**Connection Type:** *Ground Lug to Battery Buss + Terminal*

**Installation Notes:** *Remove Outer Cover, then Remove 4 bolts holding secondary protector plate in place. Relay is on the upper left.*

**Additional Notes:**



*Pic3*

# Sportster

## 2004-2007

As of: 11.05

**Factory Relay Type:** 1/2 SIZE  
**Factory Relay Part #:** 31522-00B  
**System Relay Replacement:** R-S-3  
**Circuit:** Cold



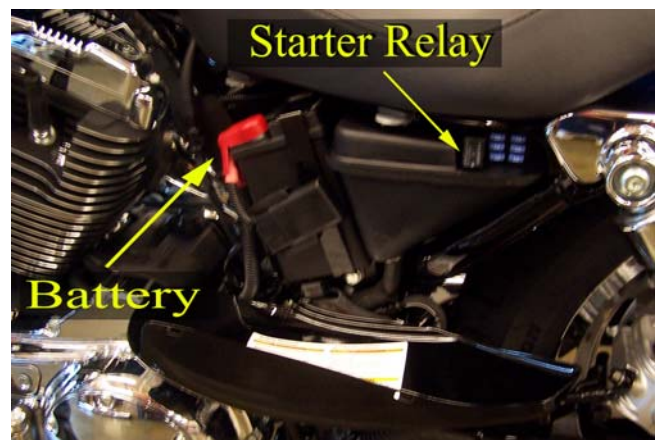
**Relay Location:** *Under Side Panel Cover.*

**Battery Connection:** *Under Side Panel Cover.*

**Connection Type:** *Ground Lug to  
Battery + Terminal*

**Installation Notes:** *No Access Issues*

**Additional Notes:**



# Sportster

## 1991 - 2003

As of: 11.05

**Factory Relay Type:** FULL SIZE

**Factory Relay Part #:** 31504-91A

**System Relay Replacement:** R-S-1

**Circuit:** Cold



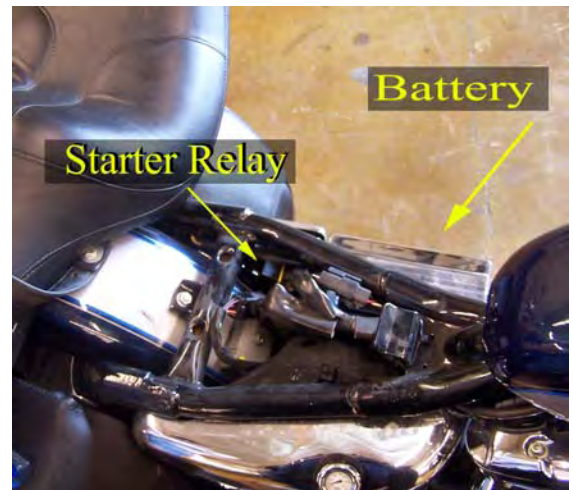
**Relay Location:** *Under Seat, Relay and connector on Loose Harness tucked to side*

**Battery Connection:** *Under Seat, Remove Side Cover to access 12v + Terminal.*

**Connection Type:** *Ground Lug to Battery + Terminal*

**Installation Notes:** *No Access Issues*

**Additional Notes:**



# V-Rod

# 2002 - 2007

As of: 11.05

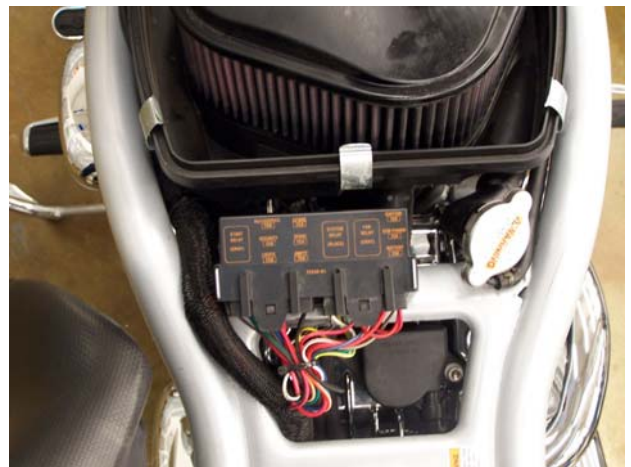
**Factory Relay Type:** 1/2 SIZE  
**Factory Relay Part #:** 31522-00B  
**System Relay Replacement:** R-S-3  
**Circuit:** Cold



**Relay Location:** *Under Seat in covered Power Distribution Box.*

**Battery Connection:** *Replace Batt 15A Fuse with Supplied Fuse Holder*

**Connection Type:** *Tap 12v Fuse (Batt 15A)*



**Installation Notes:** *No Access Issues*

**Additional Notes:**

