

OIL COOLER

3.9

REMOVAL

1. Cover the front fender to protect finish.
2. Place a container under the motorcycle to catch excess oil.

NOTE

Dispose of oil in accordance with local regulations.

3. See [Figure 3-11](#). Pull out on the bottom of the oil cooler cover (4) to disengage the lower retaining pins, then pull up and remove cover from oil cooler.
4. Remove screws (1) securing the oil cooler (3) to the frame.
5. Slide clamps (5) down the oil hoses (6, 7). Disconnect hoses from the oil cooler adapter (8).
6. Remove the oil cooler.
7. Inspect oil cooler for dirt, debris and damage.
8. To remove hoses from the oil cooler, cut clamps (2) using side cutters.

INSTALLATION

PART NUMBER	TOOL NAME
HD-97087-65B	HOSE CLAMP PLIERS

FASTENER	TORQUE VALUE	
Oil cooler mounting screws	20-22 ft-lbs	27.1-29.8 Nm

1. See [Figure 3-11](#). If replacing the hoses, place new hose clamps (2) on the oil cooler end of the hoses.
2. Push the hoses onto the oil cooler fittings.
3. Align the hoses and tighten the hose clamps using HOSE CLAMP PLIERS (Part No. HD-97087-65B).
4. Secure cooler to frame with screws (1). Tighten to 20-22 ft-lbs (27.1-29.8 Nm).
5. Place clamps (5) on hoses. Install the hoses into the fittings of the oil cooler adapter. Secure clamps on hoses.

6. Check the condition of grommets (11) and replace as necessary. Install cover (4), upper latches first, then push down and back to engage lower pins into grommets.
7. Check oil level and add oil as required.
8. After running engine, inspect oil cooler hose fittings for leaks.

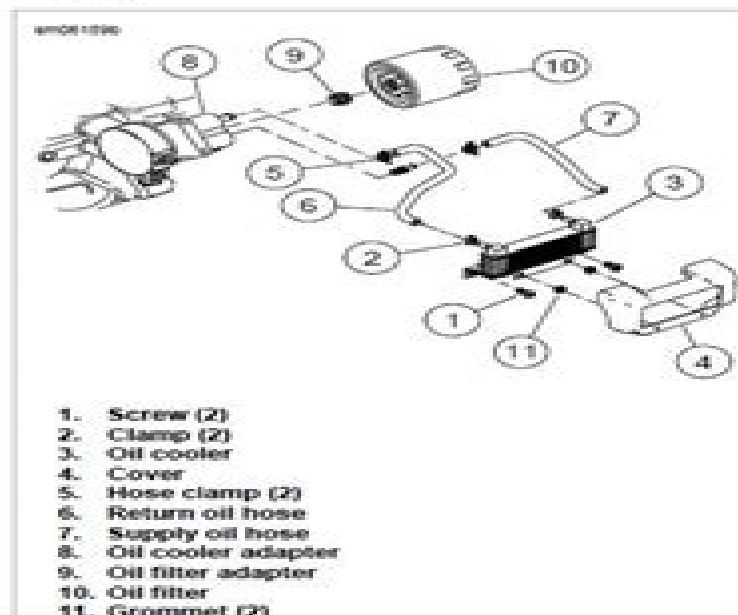


Figure 3-11. Oil Cooler

Harley 2013 Ultra Classic Service Manual

Jiyuan Zhang



Harley 2013 Ultra Classic Service Manual:

Harley-Davidson FLH/FLT Touring Series 2010-2013 Editors of Clymer Manuals, 2016-03-01 FLHTC Electra Glide Classic 2010 2013 FLHTCU Ultra Classic Electra Glide 2010 2013 FLHTK Electra Glide Ultra Limited 2010 2013 FLHR Road King 2010 2013 FLHRC Road King Classic 2010 2013 FLTRX Road Glide Custom 2010 2013 FLTRU Road Glide Ultra 2011 2013 FLHX Street Glide 2010 2013 FLHTCUSE5 CVO Ultra Classic Electra Glide 2010 FLHTCUSE6 CVO Ultra Classic Electra Glide 2011 FLHTCUSE7 CVO Ultra Classic Electra Glide 2012 FLHTCUSE8 CVO Ultra Classic Electra Glide 2013 FLHXSE CVO Street Glide 2010 FLHXSE2 CVO Street Glide 2011 FLHXSE3 CVO Street Glide 2012 FLTRUSE CVO Road Glide Ultra 2011 2013 FLTRXSE CVO Road Glide Custom 2012 FLTRXSE2 CVO Road Glide Custom 2013 FLHRSE5 CVO Road King Custom 2013 TROUBLESHOOTING LUBRICATION MAINTENANCE AND TUNE UP ENGINE TOP END ENGINE LOWER END CLUTCH AND EXTERNAL SHIFT MECHANISM TRANSMISSION AND INTERNAL SHIFT MECHANISM FUEL EMISSION CONTROL AND EXHAUST SYSTEMS ELECTRICAL SYSTEM COOLING SYSTEM WHEELS TIRES AND DRIVE CHAIN FRONT SUSPENSION AND STEERING REAR SUSPENSION BRAKES BODY AND FRAME COLOR WIRING DIAGRAMS

Harley-Davidson FLH/FLT Touring Series 2006-2009 Clymer Publications, 2000-05-24 Complete coverage for your Harley Davidson Shovelhead and Evolution Big Twins for 1970 thru 1999 covering FL FX FLT FLH FXR Dyna and Softail with 1200 and 1340cc engines Routine Maintenance and servicing Tune up procedures Engine clutch and transmission repair Cooling system Fuel and exhaust Ignition and electrical systems Brakes wheels and tires Steering suspension and final drive Frame and bodywork Wiring diagrams Reference Section With a Clymer manual you can do it yourself from simple maintenance to basic repairs Clymer writes every book based on a complete teardown of the motorcycle We learn the best ways to do a job and that makes it quicker easier and cheaper for you Our books have clear instructions and hundreds of photographs that show each step Whether you re a beginner or a pro you can save big with Clymer Step by step procedures Easy to follow photos Complete troubleshooting section Valuable short cuts Model history and pre ride checks in color Color spark plug diagnosis and wiring diagrams Tools and workshop tips section in color Models covered include FLHT Electra Glide Standard 2006 2009 FLHTI Electra Glide Standard 2006 FLHTC Electra Glide Classic 2007 2009 FLHTCI Electra Glide Standard 2006 FLHTCU Ultra Classic Electra Glide 2007 2009 FLHTCUI Ultra Classic Electra Glide 2006 FLHTCU

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Workshop Manual Mansur Darlington,1977-01-01 **Harley-Davidson Service Manual** ,1980 **Service Manual, 1973 to Date: Electra Glide-FL/FLH; Super Glide-FX.** Harley-Davidson Motor Company, **Harley-Davidson Twin**

Cam 88 Service and Repair Manual Alan Ahlstrand,2003 Every Haynes motorcycle manual is based on a complete teardown and rebuild and contains hundreds of photos with step by step instructions comprehensive routine maintenance and troubleshooting information and detailed wiring diagrams In addition to the standard repair manuals many of the titles are now in the Superbike format Superbike manuals offer numerous extra features including color sections for wiring diagrams performance data model history tools and workshop tips *Harley-Davidson Service Manual* Harley-Davidson Motor Company,1968* Harley-Davidson Sportsters Owners Workshop Manual Curt Choate,Tom Schauwecker,John Harold Haynes,2001 Total Car Care is the most complete step by step automotive repair manual you ll ever use All repair procedures are supported by detailed specifications exploded views and photographs From the simplest repair procedure to the most complex trust Chilton s Total Car Care to give you everything you need to do the job Save time and money by doing it yourself with the confidence only a Chilton Repair Manual can provide **Harley-Davidson Service Manual, 1940-47 ,**

Harley-Davidson Big Twins Owners Workshop Manual Curt Choate,Tom Schauwecker,John Harold Haynes,1999 Harley Davidson Big Twins 1970 99 Shop Manual Haynes Sftbd 8 1 4x 1 3 4 224 pgs 536 b w ill Service Manual Harley-Davidson Motor Company,1947 **Service Manual Applying to the Following Harley-Davidson Motorcycles -- 1940 to 1947 Inclusive O.H.V. Engine Models 61 Cu. In. (1000 C.c.), 74 Cu. In. (1200 C.c.), Side Valve Engine Models 74 Cu. In. (1200 C.c.), 80 Cu. In. (1300 C.c.).** Harley-Davidson Motor Company,1986 **Harley-Davidson Sportster Service and**

Repair Manual John H. Haynes,2008 Haynes Repair Manual for the Harley Davidson 1970 thru 2008 Sportster has clear instructions and hundreds of color photographs to help you perform anything from simple maintenance to basic repairs Whether you re a beginner or a pro you can save big with Haynes Complete coverage for your Harley Davidson 1970 thru 2008 Sportster Routine Maintenance and servicing Tune up procedures Engine clutch and transmission repair Cooling system Fuel and exhaust Ignition and electrical systems Brakes wheels and tires Steering suspension and final drive Frame and bodywork Wiring diagrams Reference Section **Master Service Manual** Harley-Davidson Motor Company,1986

Service Manual, 1959 to 1965, Electra-Glide, Duo-Glide Harley-Davidson Motor Company,1964 *1959 to 1968 Electra Glide Duo-Glide Service Manual* Harley-Davidson Motor Company,1967 **1979 to 1981 XLH/XLCH/XLS-1000** Harley-Davidson Motor Company,1980 Harley-Davidson Service Manual 1960 Topper Motor Scooter ,1960

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