

Installation Instructions **for Kinetic Structures Front Engine Mount**

Harley-Davidson® FLHR, FLHT, FLHX, FLTR, FLY, FXR Years 1980 – 2008.

Applicability: Kinetic Structures engine mount, A1010, is a direct replacement for Harley-Davidson® front engine mount 16207-79X (Where X is either A, B, C, or D).

An illustrated parts breakdown and parts list are shown in Appendix 1 and 2. These are typical for any of the applicable Harley-Davidson® models and years. Throughout these instructions, numbers in parenthesis () refer to the item numbers in the illustrated parts breakdown.

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Installation Instructions

1) Visual observation of Kinetic Structures engine mount

The engine mount is taller than the OEM rubber mount in its free state. Once it's installed (Step 3), it will be the same height as the OEM mount.

2) Remove the existing front engine mount

Removal and replacement of the front engine mount is well documented in HD service manuals or on YouTube videos. Kinetic Structures will not re-publish these existing instructions. Please follow existing procedures. Any deviations or exceptions from existing procedures will be documented in this installation guide.

Completely remove the front engine mount bracket (19).

Remove the front engine mount.

3) Installation of Kinetic Structures front engine mount

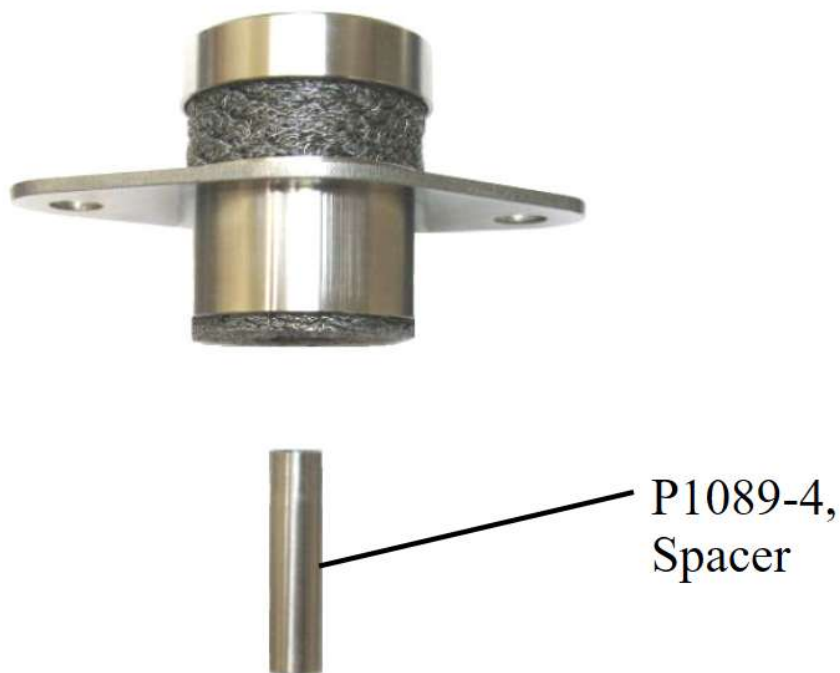
Examine and reuse existing OEM hardware such as nuts, bolts and washers, when appropriate.

Install the front engine mount using the same procedures as the OEM rubber mount.

ATTENTION

1. Assure that the engine mount bracket (19) is installed on the **bottom** side of the engine case. In many applications it is possible to mount the bracket on the top engine lugs. Doing so will cause the engine to sit lower and may contact the frame causing unacceptable vibration.

The spacer (P1089-4) is a separate item that must be installed inside the mount after the center bolt (1) is installed. Hold the spacer in place with your hand until you have installed the thick bottom washer (20) and the nut (14).

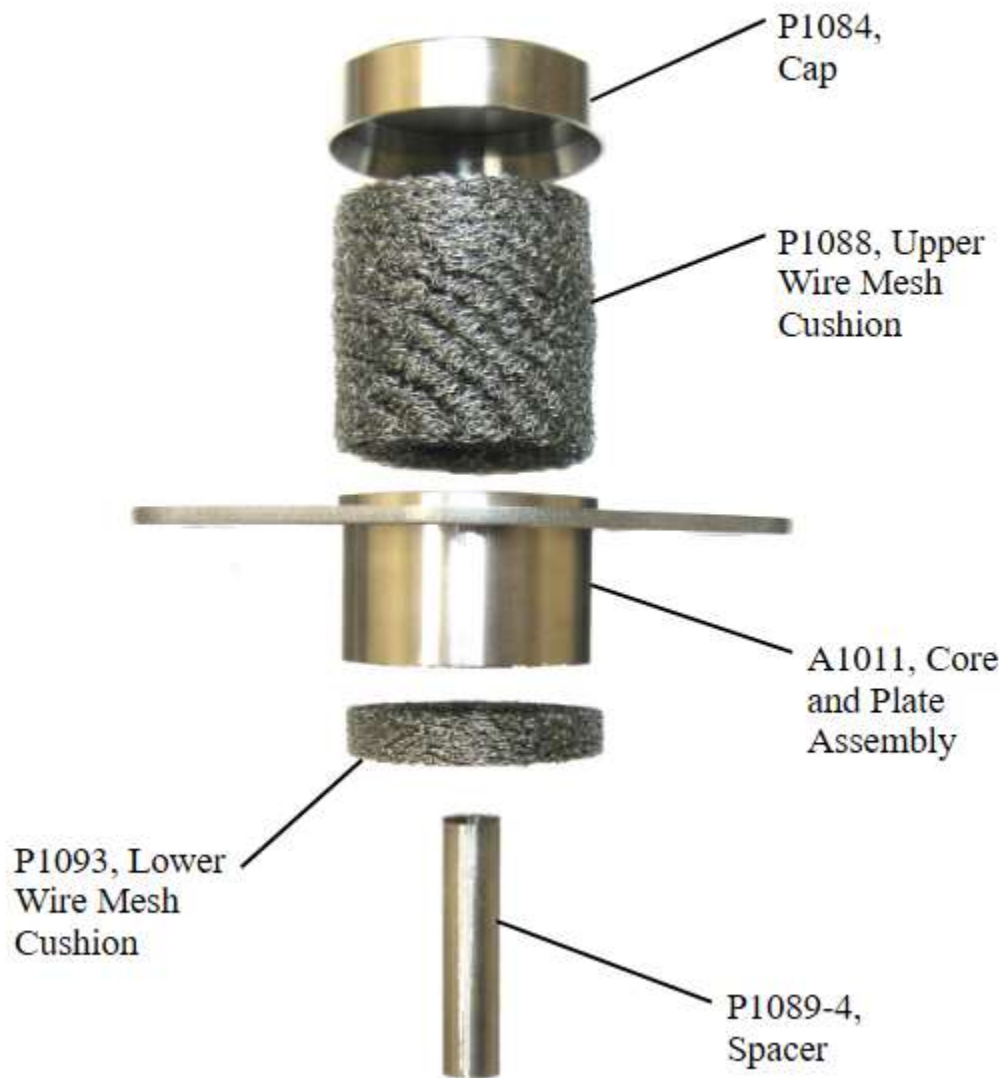


Lower the engine weight onto the mount. Torque all hardware to the torque values specified by the Harley-Davidson® service manual (approximately 35 ft-lbs).

Note: It is normal to have a gap (approximately 1/8") between the thick bottom washer (20) and the lower wire mesh cushion, P1093.

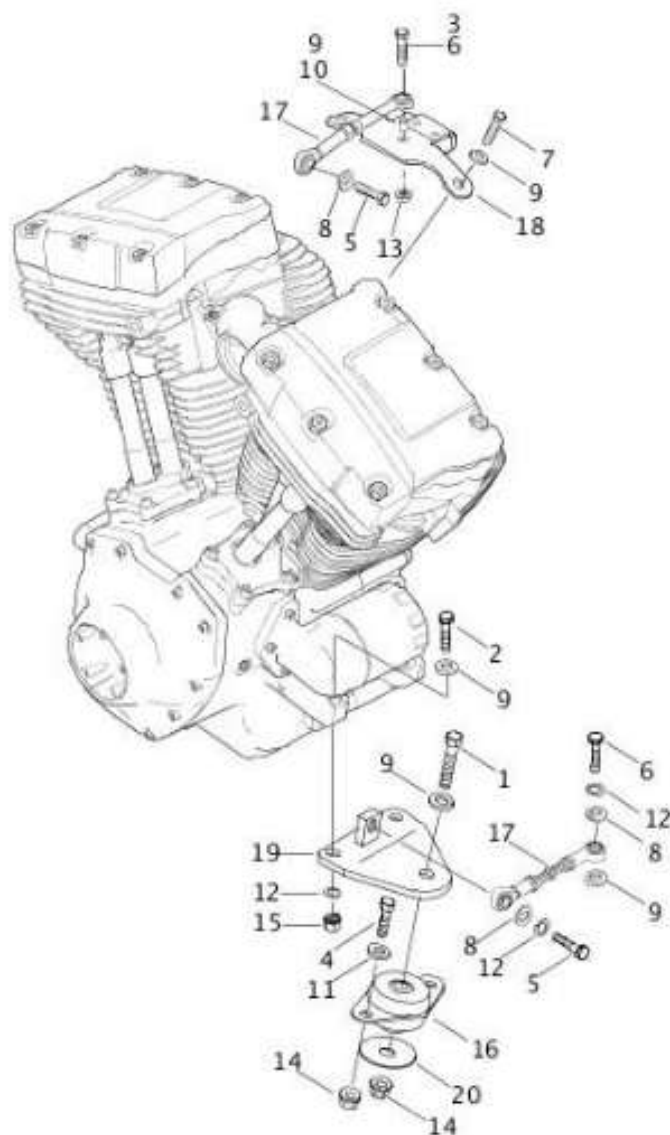
Note: The upper wire mesh cushion (P1088) and the inside diameter of mating steel parts (A1011 and P1084) have a coating of grease to minimize surface wear. If the parts are disassembled and cleaned, reapply a thin coating of heavy duty grease to these mating surfaces.

Exploded View



APPENDIX 1, Typical Harley-Davidson® Illustrated Parts Breakdown

ENGINE MOUNTS & STABILIZER LINKS



APPENDIX 2, Typical Harley-Davidson® Parts List

Index No.	Part No.	Description	Model(s)
1	3512	BOLT	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
2	3554	BOLT (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
3	3775	SCREW	FLHR, FLHRS, FLHT, FLHX
4	4319	BOLT (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
5	4716W	SCREW (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
6	4721	BOLT (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
7	4775	SCREW (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
8	6701	WASHER (3)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
9	6019	WASHER (7)	FLHRCI, FLHRI, FLHRSI, FLHTCI, FLHTCUI, FLHTI, FLHXI, FLTRI
10	61163-02	SPACER, horn bracket	FLHR, FLHRS, FLHT, FLHX
11	6400HB	WASHER (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
12	7038	LOCKWASHER (4)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
13	7601	LOCKNUT, flange locking	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
14	7780	LOCKNUT, flange locking (3)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
15	7783	NUT (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
16	16207-79D	ENGINE MOUNT, front	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
17	16219-79C	STABILIZER LINK (2)	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
18	16315-99	WELDMENT, engine strap/horn mount	FLHR, FLHRS, FLHT, FLHX
	16316-99	WELDMENT, engine strap/horn mount	FLHRCI, FLHRI, FLHRSI, FLHTCI, FLHTCUI, FLHTI, FLHXI, FLTRI
19	47159-79A	BRACKET, front engine mount	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI
20	96210-80A	WASHER	FLHR, FLHRCI, FLHRI, FLHRS, FLHRSI, FLHT, FLHTCI, FLHTCUI, FLHTI, FLHX, FLHXI, FLTRI