



INSTRUCTIONS

J04063

2012-07-16



FRONT ROAD WINDER WHEEL KITS

GENERAL

⚠ WARNING

Install only wheels and installation kits approved for your model motorcycle. Contact a Harley-Davidson dealer to verify fitment. Mismatching wheels and installation kits or installing wheels not approved for your model can cause loss of control, which could result in death or serious injury. (00610c)

Kit Numbers

44633-08, 44612-07, 44632-07, 41406-07, 41406-08, 44659-07, 44666-07, 44689-08 and 44634-07

Models

For model fitment information, see the P&A Retail Catalog or the Parts and Accessories section of www.harley-davidson.com (English only).

NOTE

Accessory hub caps are not compatible with this wheel.

Kit Contents

These kits include the custom wheel, and depending on the kit, may also include a hub cap. See Table 2 for kit contents.

Additional Parts Required

Proper installation of this kit requires the separate purchase of the following parts which are available at a Harley-Davidson dealer:

- Wheel Installation Kit (See Table 3 through Table 9 to determine required installation kit.)
- Brake Disc Screws (See Figure 1 and Table 1.)
- Wheel Bearing Remover and Installer (94134-09A)
- **For Kit 44689-08:** Separate purchase of stock brake disc (44553-06A) or polished brake disc (41500012) if installing the wheel on a motorcycle with stock laced wheels is required.
- **For Kit 44612-07:** Separate purchase of two floating brake discs (44343-01 for 2004-2007 models and 44553-06A (stock) or polished (41500012) for 2008 models) and tire (43371-07 for 2004-2008 models) is required.

The following Harley-Davidson Genuine Motor Accessories are recommended for proper maintenance and cleaning:

- Harley® Bright™ Chrome Cleaner (94683-99)
- Harley® Glaze™ Polish and Sealant (99701-84)
- Harley® Wheel and Spoke Brush (43078-99)
- Harley-Davidson® Wheel and Tire Cleaner (94658-98)

- Harley® Preserve™ Bare Aluminum Protectant (99845-07)

⚠ WARNING

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333b)

NOTE

This instruction sheet references service manual information. A service manual for your model motorcycle is required for this installation and is available from a Harley-Davidson dealer.

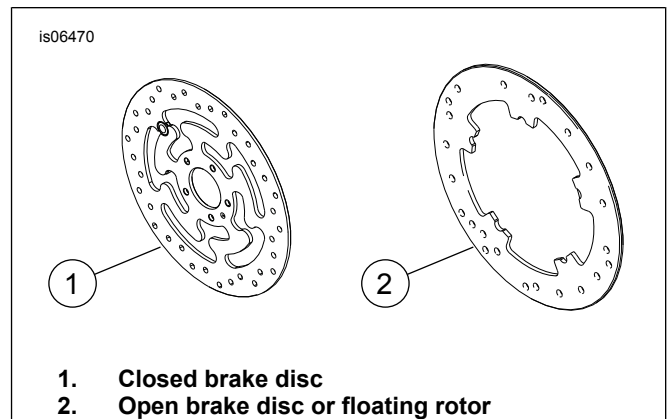


Figure 1. Front Brake Disc Styles

Table 1. Front Disc Hardware Fitment

Brake Disc	Hardware
Closed disc	5 Stock disc screws (3655A)
	Chrome screw kit (46646-05) includes 5 screws
Open disc	5 Stock disc screws (3762M) and 5 disc washers (6966M)

NOTE: Models equipped with dual front brakes and models being equipped with a wheel with dual brake mounting surfaces require twice as many screws/washers (10 total screws or 2 chrome screw kits if available).

INSTALLATION

1. Remove existing front wheel assembly. Save axle, axle nut, brake disc and wheel spacers for kit installation. Refer to FRONT WHEEL in service manual. **For Kit 44689-08:** Discard brake disc when replacing a laced wheel. **For Kit 44612-07:** Discard stock brake discs. **For FLSTC and FLSTN Models:** Discard moon-style hub cap. **For FXSTD Models:** Discard right side tapered spacer.



NOTE

- For Kits 44612-07, 41406-07 and 41406-08 install short valve stem (43157-83A) included in the installation kit.
- For Kits 44633-08, 44632-07, 44659-07, 44666-07, 44689-08 and 44634-07 install long valve stem (43206-01) included in the installation kit.

2. See Figure 2. Install valve stem assembly (L, M or N) on wheel. Refer to TIRES in service manual.

NOTE

Install the primary bearing first using appropriate service manual and WHEEL BEARING REMOVER/INSTALLER.

For Kits 44632-07, 44633-08, 41406-07 and 41406-08:

- The left side of the wheel has a machined groove in the hub face to identify it as the brake disc and primary bearing side.
- Install wheel Kits 44632-07 and 44633-08 so that the valve stem is on the right side of the motorcycle.
- For Kits 41406-07 and 41406-08, the valve stem will be in the center of the wheel.

For Kits 44659-07 and 44666-07:

- The left side of the wheel has a machined groove in the hub face and hub markings to identify it as the primary bearing side. Kit 44666-07 also has an arrow marking machined into the rim to indicate direction of rotation.
- For dual brake disc models: Install the brake discs according to the service manual. The chrome hub cap (2) is not used.
- For single brake disc models: Install the brake discs according to the service manual. The chrome hub cap (2) is installed on the opposite side of the wheel from the brake disc.
- For Kit 44659-07: The gross axle weight ratings is unaffected by the installation of this wheel on a vehicle equipped with a 21-inch wheel.
- For Kit 44666-07: The gross axle weight ratings is unaffected by the installation of this wheel on a vehicle equipped with a 19-inch wheel.

For Kit 44634-07:

- For 2006 and later FXDWG Models: When correctly installed, the tire will be 2–5 mm (0.08–0.2 in) off of center, compared to the fender.
- The right side of the wheel has a machined groove in the hub face. An arrow is machined into the left side hub to indicate the direction of rotation.
- **For 2007 and later FX Softail Models and 2008 and later FXDWG:** The left side of the wheel is the primary bearing side. For all other models the right side of the wheel is the primary bearing side.

- **For FXSTS Models:** The right side is the brake disc side. **For all other models:** The left side is the brake disc side.

For Kit 44689-08:

- If installing this kit on motorcycles with stock laced wheels, proper installation of this kit requires the separate purchase of brake disc (44553-06A).

For Kit 44612-07:

- Proper installation of this kit requires the separate purchase of two floating brake discs (44343-01 for 2004 - 2007 models and 44553-06A for 2008 models). The left side of the wheel has machined DOT markings to identify it as the primary bearing side.
- **For 2008 Touring Models:** Install bearing shim (43903-08) from installation kit under the primary bearing during wheel assembly.

NOTICE

Do not re-use brake disc/rotor screws. Re-using these screws can result in torque loss and damage to brake components. (00319c)

3. Assemble the wheel installation kit components and brake disc(s) to wheel, using the appropriate service parts table. Refer to FRONT WHEEL in service manual.
4. **For FLSTC and FLSTN Models:** Install wheel kit and right side wheel spacer provided in installation kit. Refer to FRONT WHEEL in service manual. **For FXSTD Models:** Install wheel kit, stock left side wheel spacer and the right side spacer provided in the installation kit to replace the tapered spacer discarded in Step 1. Refer to FRONT WHEEL in service manual. **For FXSTS Models:** Install the spacer provided in the installation kit between the stock left side spacer and the fork. **For all other models:** Install previously removed wheel spacers. Refer to FRONT WHEEL in service manual.
5. Install front wheel (1), stock axle and stock axle nut. Refer to FRONT WHEEL in service manual.

MAINTENANCE AND CLEANING

Chrome parts must be maintained regularly to keep their original shine and luster.

1. Clean heavily-soiled wheel surfaces using Harley-Davidson Wheel and Tire Cleaner, applied with Harley Wheel and Spoke Brush.
2. Thoroughly clean chrome with a good quality chrome cleaner, such as Harley Bright Chrome Cleaner.
3. After cleaning and polishing, seal the finish with a good quality sealer, such as Harley Glaze Polish and Sealant.

SERVICE PARTS

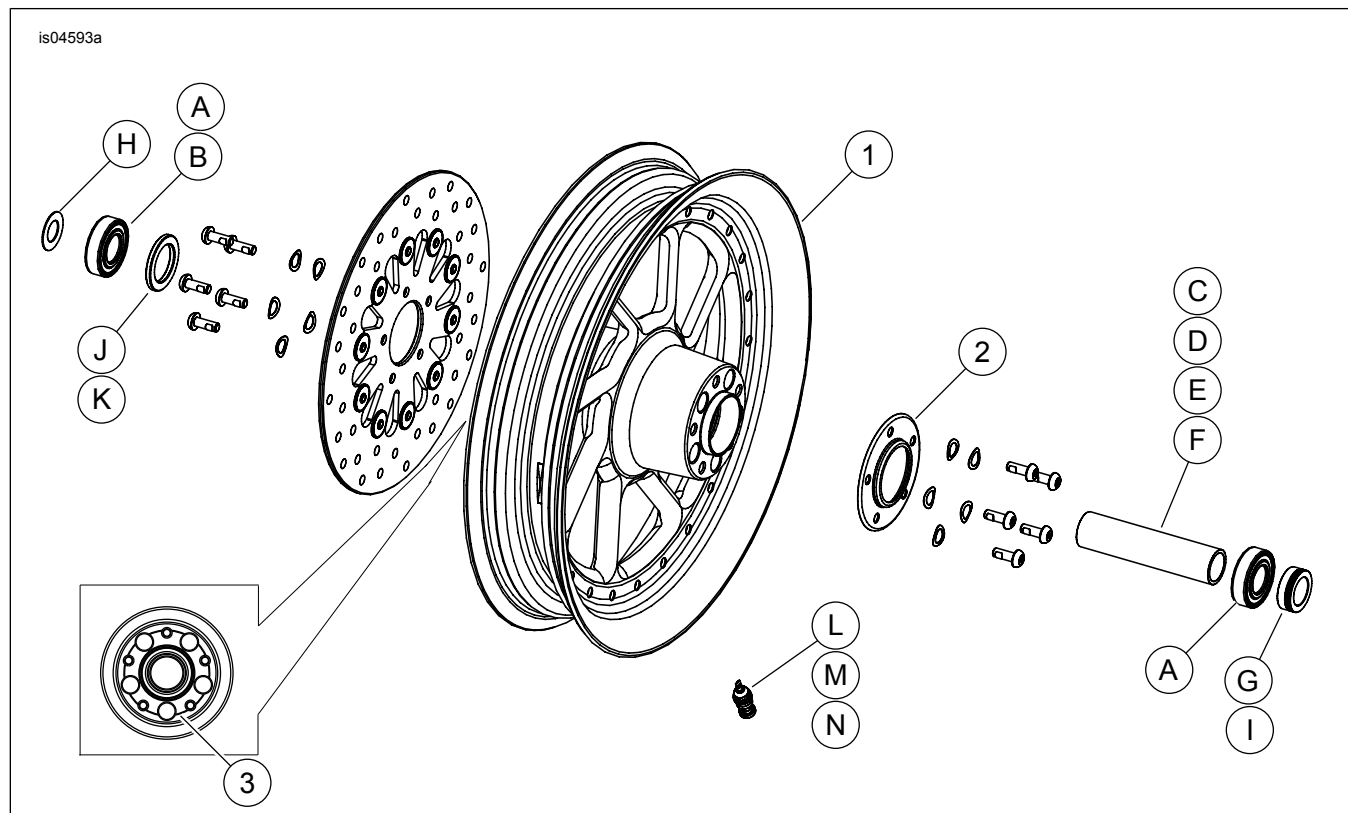


Figure 2. Service Parts: Front Road Winder Wheel (16-inch wheel shown)

Table 2. Service Parts and Wheel Kit Contents

Kit	Item	Description (Quantity)	Part Number
44633-08, 44612-07, 41406-07, 41406-08, 44689-08	1	Wheel	Not Sold Separately
44632-07	1	Wheel	Not Sold Separately
	2	Hub cap	44920-05
44659-07, 44666-07, 44634-07	1	Wheel	Not Sold Separately
	2	Hub cap	44921-05
Visual indicator mentioned in text:			
	3	Machined groove (all wheels)	

Table 3. FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)

FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)		ITEM (Quantity Used and Description)									
Fitment	Wheel Size	A	C	D	E	G	H	I	L	M	
2000-2006 FLST and FLSTF (except 2006 FLSTFSE2)	16 x 3.0 in	2	0	1	0	0	0	0	*	*	
2000-2006 FLSTC and FLSTN	16 x 3.0 in	2	0	1	0	0	0	1	*	*	
2006 FLSTFSEi	17 x 3.5 in	2	0	1	0	0	0	1	*	*	
2008-later FLSTSB	18 x 3.5 in	2	0	***	0	***	0	0	*	*	
2000-2007 XL; 2000-2003 Dyna (except FXDWG)	19 x 2.5 in	2	0	0	1	0	0	0	*	*	
2000-2007 XL; 2000-2003 Dyna (except FXDWG)	21 x 2.15 in	2	0	0	1	0	0	0	*	*	
2000-2006 FXST/B/C; 2000-2005 FXDWG**	21 x 2.15 in	2	1	0	0	0	0	0	*	*	
2000-2006 FXSTS**	21 x 2.15 in	2	1	0	0	0	1	0	*	*	
2000-2006 FXSTD (Except FXSTDSE)**	21 x 2.15 in	2	1	0	0	1	0	0	*	*	

Table 3. FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)

FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)		ITEM (Quantity Used and Description)									
Fitment	Wheel Size	A	C	D	E	G	H	I	L	M	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on. NOTES: * See NOTE above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s). ** The right side of the wheel is the primary bearing side for this fitment. *** See INSTALLATION section for separate hardware kit to be used for FLSTSB models.		A	Bearing, regular (2)					9267			
		C	Axle sleeve					43536-00			
		D	Axle sleeve					43608-00			
		E	Axle sleeve					43613-00			
		G	Spacer, axle					40910-00A			
		H	Spacer, axle					43313-98			
		I	Spacer, wheel					43617-00A			
		L	Valve stem, short					43157-83A			
		M	Valve stem, long					43206-01			

Table 4. FRONT 1 Inch Bearing Wheel Installation Kit (43848-08A)

FRONT 1 Inch Bearing Wheel Installation Kit (43848-08A)		ITEM (Quantity Used and Description)							
Fitment	Wheel Size	A	C	D	E	F	L	M	
2000-2007 Touring	16 x 3.0 in	2	1	0	0	0	*	*	
2004-2007 Touring	18 x 3.5 in	2	1	0	0	0	*	*	
2004-2005 Dyna (except FXDWG)	19 x 2.5 in	2	0	0	0	1	*	*	
2006-2007 Dyna (except FXDWG)	19 x 2.5 in	2	0	0	1	0	*	*	
2002-2007 VRSC	19 x 3.0 in	2	0	0	1	0	*	*	
2006-2007 FXDWG**	21 x 2.15 in	2	0	1	0	0	*	*	
2004-2005 Dyna (except FXDWG)	21 x 2.15 in	2	0	0	0	1	*	*	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on. NOTES: * See NOTE above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s). ** The right side of the wheel is the primary bearing side for this fitment.		A	Bearing, regular (2)					9247	
		C	Axle sleeve					43517-00	
		D	Axle sleeve					43633-06	
		E	Axle sleeve					43641-01	
		F	Axle sleeve					43755-04	
		L	Valve stem, short					43157-83A	
		M	Valve stem, long					43206-01	

Table 5. FRONT 25 mm Bearing Wheel Installation Kit (41452-08C)

FRONT 25 mm Bearing Wheel Installation Kit (41452-08C)		ITEM (Quantity Used and Description)									
Fitment	Wheel Size	A	C	D	E	J	K	L	M	N	
2010 and later XL1200X; 2011 and later XL1200C	16 x 3.0 in	2	0	0	1	0	0	*	*	*	
2008 and later FXCW and FXCWC (non-ABS)	19 x 2.5 in	2	1	0	0	1	0	*	*	*	
2008 and later FXCW and FXCWC (non-ABS)	19 x 2.15 in	2	1	0	0	0	0	*	*	*	
2008 and later XL (except XL1200X and 2011 and later XL883L)	19 x 2.5 in	2	0	1	0	0	1	*	*	*	
2008 and later XL (except XL1200X and 2011 and later XL883L)	21 x 2.15 in	2	0	1	0	0	1	*	*	*	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on. NOTES: * See NOTE above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s). ** Bearing shim installed under the primary bearing.		A	Bearing, regular (2)					9276			
		C	Axle sleeve					41548-08			
		D	Axle sleeve					43906-08			
		E	Axle sleeve					11888			
		J	Bearing shim**					41448-08			
		K	Bearing shim**					43315-07			
		L	Valve stem, short					43157-83A			
		M	Valve stem, long					43206-01			
	N	Valve stem, pull thru					40999-87				

Table 6. FRONT 25 mm Bearing Wheel Installation Kit (41455-08C)

FRONT 25 mm Bearing Wheel Installation Kit (41455-08C)		ITEM (Quantity Used and Description)								
Fitment	Wheel Size	A	C	D	J	K	L	M	N	
2008 Touring; 2009 and later FLHRC (non-ABS) and Trike (non-ABS)	16 x 3.0 in	2	0	1	0	1	*	*	*	
2009 and later Touring (non-ABS)	17 x 3.0 in	2	0	1	0	0	*	*	*	
2008 and later Touring (non-ABS)	18 x 3.5 in	2	0	1	0	**	*	*	*	
2008 and later Dyna (except FLD, FXDWG and FXDF)	19 x 2.5 in	2	1	0	**	0	*	*	0	
2008 and later VRSCAW, VRSCD, VRSCF and VRSCDX (non-ABS)	19 x 3.0 in	2	1	0	**	0	*	*	0	
2009 and later Touring (non-ABS)	19 x 3.5 in	2	0	1	0	0	*	*	*	

Table 6. FRONT 25 mm Bearing Wheel Installation Kit (41455-08C)

FRONT 25 mm Bearing Wheel Installation Kit (41455-08C)		ITEM (Quantity Used and Description)								
Fitment	Wheel Size	A	C	D	J	K	L	M	N	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on. NOTES: * See NOTE above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s). ** See NOTES for your wheel kit above the wheel assembly step in INSTALLATION to determine if bearing shim is used for your particular wheel kit and fitment. *** Bearing shim installed under the primary bearing.		A	Bearing, regular (2)		9276					
		C	Axle sleeve		41748-08					
		D	Axle sleeve		41900-08					
		J	Bearing shim***		41450-08					
		K	Bearing shim***		43903-08					
		L	Valve stem, short		43157-83A					
		M	Valve stem, long		43206-01					
		N	Valve stem, pull thru		40999-87					

Table 7. FRONT 25 mm Bearing Wheel Installation Kit (43851-11A)

FRONT 25 mm Bearing Wheel Installation Kit (43851-11A)		ITEM (Quantity Used and Description)								
Fitment	Wheel Size	A	C	G	H	J	L	M	N	
2007 and later FLSTC, FLSTN and FLS (non-ABS)	16 x 3.0 in	2	1	0	1	1	*	*	*	
2008 and later FXDF	16 x 3.0 in	2	1	0	0	0	*	*	*	
2007 and later FLSTF and FLSTFB (non-ABS)	17 x 3.5 in	2	1	0	0	0	*	*	*	
2008 and later FLSTF and FLSTFB (non-ABS)	18 x 3.5 in	2	1	0	0	0	*	*	*	
2008 and later FXDF; 2012 and later FLD	18 x 3.5 in	2	1	0	0	0	*	*	*	
2007 and later FXS, FXST/B/C (non-ABS); 2008 and later FXD-WG***	21 x 2.15 in	2	1	0	0	1	*	*	*	
2007 FXSTD***	21 x 2.15 in	2	1	1	0	1	*	*	*	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on. NOTES: * See NOTE above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s). ** Bearing shim installed under the primary bearing. *** The left side of the wheel is the primary bearing side for this fitment.		A	Bearing, regular (2)		9276					
		C	Axle sleeve		41349-07					
		G	Spacer, axle		41504-07					
		H	Spacer, axle		41695-07					
		J	Bearing shim**		43315-07					
		L	Valve stem, short		43157-83A					
		M	Valve stem, long		43206-01					
		N	Valve stem, pull-thru		40999-87					

Table 8. FRONT 25 mm Bearing ABS Wheel Installation Kit (41454-08B)

FRONT 25 mm Bearing ABS Wheel Installation Kit (41454-08B)		ITEM (Quantity Used and Description)								
Fitment	Wheel Size	A	B	C	D	J	K	L	M	N
2008 Touring and 2009 and later FLHRC with ABS	16 x 3.0 in	1	1	0	1	0	1	*	*	0
2009 and later Touring with ABS	17 x 3.0 in	1	1	0	1	0	0	*	*	*
2008 and later Touring with ABS	18 x 3.5 in	1	1	0	1	**	**	*	*	*
2012 and later Dyna with ABS (Except FLD, FXDWG and FXDF)	19 x 2.5 in	1	1	1	0	**	**	*	*	0
2008 and later VRSCAW, VRSCD, VRSCF and VRSCDX with ABS	19 x 3.0 in	1	1	1	0	**	**	*	*	0
2009 and later Touring with ABS	19 x 3.5 in	1	1	0	1	0	0	*	*	*
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on. NOTES: * See NOTE above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s). ** See NOTES for your wheel kit above the wheel assembly step in INSTALLATION to determine which bearing shim to use for your particular wheel kit and fitment. *** Red side of bearing must be installed toward the wheel. The ABS bearing is primary. **** Bearing shim installed under the primary bearing.		A	Bearing, regular		9276					
		B	Bearing, ABS***		9252					
		C	Axle sleeve		41748-08					
		D	Axle sleeve		41900-08					
		J	Bearing shim****		41450-08					
		K	Bearing shim****		43903-08					
		L	Valve stem, short		43157-83A					
		M	Valve stem, long		43206-01					
	N	Valve stem, pull thru		40999-87						

Table 9. FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A)

FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A)		ITEM (Quantity Used and Description)									
Fitment	Wheel Size	A	B	C	D	G	J	K	L	M	N
2011 and later FLSTC, FLSTN and FLS with ABS	16 x 3.0 in	1	1	1	0	1	0	1	*	*	*
2012 and later FXDF with ABS	16 x 3.0 in	1	1	1	0	0	0	0	*	*	*
2011 and later FLSTF and FLSTFB with ABS	17 x 3.5 in	1	1	1	0	0	0	0	*	*	*
2011 and later FLSTF and FLSTFB with ABS	18 x 3.5 in	1	1	1	0	0	0	0	*	*	*
2012 and later FXDF and FLD with ABS	18 x 3.5 in	1	1	1	0	0	0	0	*	*	*
2011 and later FXCWC with ABS	19 x 2.15 in	1	1	0	1	0	0	0	*	*	*

Table 9. FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A)

FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A)		ITEM (Quantity Used and Description)										
Fitment	Wheel Size	A	B	C	D	G	J	K	L	M	N	
2011 and later FXCWC with ABS	19 x 2.5 in	1	1	0	1	0	1	0	*	*	*	
2011 and later FXS, FXST and 2012 and later FXDWG with ABS	21 x 2.15 in	1	1	1	0	0	0	1	*	*	*	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on. NOTES: * See <i>NOTE</i> above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s). ** Red side of bearing must be installed toward the wheel. The ABS bearing is the primary bearing. *** Bearing shim installed under the primary bearing.	A	Bearing, regular							9276			
	B	Bearing, ABS**							9252			
	C	Axle sleeve							41349-07			
	D	Axle sleeve							41548-08			
	G	Spacer							41695-07			
	J	Bearing shim***							41448-08			
	K	Bearing shim***							43315-07			
	L	Valve stem, short							43157-83A			
	M	Valve stem, long							43206-01			
	N	Valve stem, pull-thru							40999-87			