



HUB WHEEL BEARING MASTER SERVICE SET

USER MANUAL



WARNING

FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN INJURY



THIS USER MANUAL CONTAINS IMPORTANT SAFETY INFORMATION.

READ THIS INSTRUCTION MANUAL CAREFULLY AND UNDERSTAND ALL INFORMATION BEFORE OPERATING THIS TOOL.

- Read and understand all instructions. Failure to follow all instructions listed below, may result serious personal injury. It is the responsibility of the owner to make sure all personnel read this manual prior to using this tool. It is also the responsibility of the tool owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact the service center listed on the warranty form for a replacement. If the operator is not fluent in English, the product and safety instructions shall be read and discussed in the native language of the operator, making sure the operator comprehends its content.

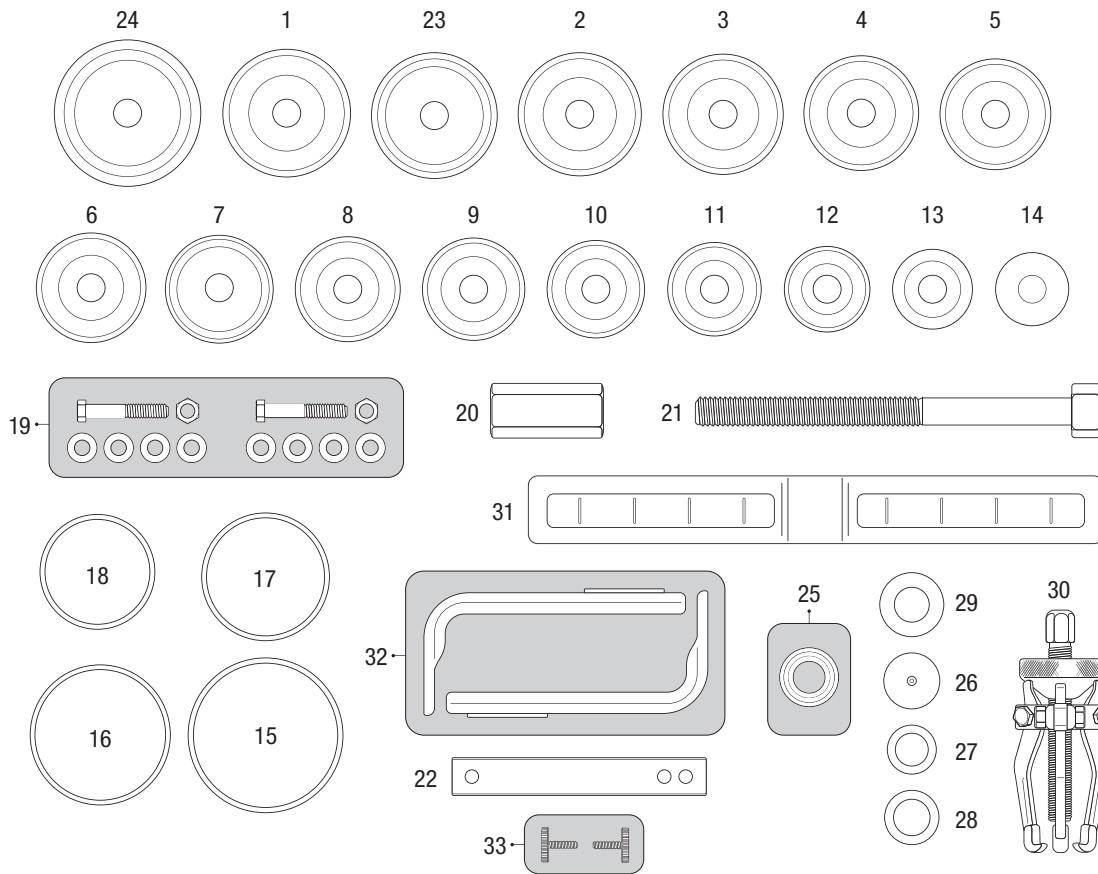


- Always wear ANSI-approved eye protection when operating this tool (users and bystanders).
- Only use this tool as intended. Failure to do so can lead to injury and possibly death.
- Keep tool in efficient operating condition through regular inspections and maintenance.

- Daily lubrication is to be made by user. It is recommended to lubricate components, especially those making surface contact, with each use
- This product may contain one or more chemicals known to the state of California to cause cancer and/or birth defects or other reproductive harm. *Wash hands thoroughly after washing.*
- Be sure the vehicle has been properly secured to remove any chance of moving or shifting during the operation of this tool. If using this tool with the vehicle on the ground, it will be necessary to chock the tires of this vehicle to keep it from moving and causing potential damage, injury, or possibly death.
- Never alter this tool or apply heat as this will weaken the integrity of the tools and or limit its capabilities.
- Always clear the workspace of any tools, clutter, or debris.
- Only use in a well-lit area.
- Anticipate and be alert for sudden changes in motion during start operation of the tool.
- This tool is capable of generating extreme levels of force that if not accounted for could leave the user facing extreme repercussions including but not limited to damage, injury, or even death.
- Failure to heed these warnings may result in personal injury and/or property damage.

ALWAYS LUBRICATE ANY THREADS AND THE BEARING ASSEMBLY PRIOR TO EACH USE.

Failure to do so will lead to premature failure, diminished tool performance, could possibly nullify the products warranty, and may lead to serious injury.



No.	Part No.	Part Description
1	94001	Bushing - 3.48" O.D. (8.84cm)
2	94002	Bushing - 3.27" O.D. (8.31cm)
3	94003	Bushing - 3.21" O.D. (8.15cm)
4	94004	Bushing - 3.05" O.D. (7.75cm)
5	94005	Bushing - 2.95" O.D. (7.49cm)
6	94006	Bushing - 2.89" O.D. (7.34cm)
7	94007	Bushing - 2.87" O.D. (7.29cm)
8	94008	Bushing - 2.82" O.D. (7.15cm)
9	94009	Bushing - 2.76" O.D. (7.01cm)
10	94010	Bushing - 2.62" O.D. (6.65cm)
11	94011	Bushing - 2.48" O.D. (6.30cm)
12	94012	Bushing - 2.32" O.D. (5.90cm)
13	94013	Bushing - 2.17" O.D. (5.51cm)
14	94014	Bushing/Push Plate - 2" O.D. (5.08cm)
15	94015	Sleeve - 4" O.D. (10.56cm)
16	94016	Sleeve - 3.62" O.D. (9.19cm)
17	94017	Sleeve - 3.31" O.D. (8.41cm)
18	94018	Sleeve - 3" O.D. (7.62cm)
19	94019	Brace Bar Screw Assemblies

No.	Part No.	Part Description
20	94020	3" Hex Yoke
21	94021	Force Screw
22	94022	Brace Bar
23	94023	Two-Step Adapter 3.4"/3"/2.7" (8.6cm/7.6cm/6.8cm)
24	94024	Two-Step Adapter 4"/3.6"/3.2" (10.1cm/9.1cm/8.1cm)
25	94025	Force Bearing Assembly
26	94026	Bushing/Push Plate
27	94027	Adapter - Small 1.3" O.D. (3.3cm)
28	94028	Adapter - Medium 1.46" O.D. (3.7cm)
29	94029	Adapter - Large 1.75" O.D. (4.4cm)
30	94030	Three-Legged Puller Assembly*
31	94031	Puller Bar
32	94032	Puller Arms (x2)
33	94033	Set Screws (x2)
34	94034	BMC Storage Case
35	94035	Forcing Screw for 94030*
36	94036	Push Cone for 94030*
37	94037	Yoke Assembly for 94030 (includes nuts and bolts)*
38	94038	Puller Legs for 94030 (x3)*

Always begin by referring to the vehicle service manual for instructions on using an appropriate procedures when lifting the vehicle off the ground. It is only necessary to lift the vehicle just far enough to remove the wheel and tire.

HUB REMOVAL

1. Lubricate the forcing screw, puller bar thread, yoke threads, and bearing assembly from this kit, assemble components. Attach the hub puller (Items 20, 21, 25, 31, 32) and set up to as shown in Figure A.
2. Align all components and tighten the forcing screw nut by hand to hold components for a straight pull.
3. When all components are in full contact and aligned turn the forcing screw while using a wrench to hold the yoke (20) in the appropriate direction to pull the hub. It will be necessary to use an impact wrench.

Do not over tighten as this could damage the bearing assembly.

The puller arms will need a sturdy contact point to work. Make sure there is solid contact. Any slippage or shift could lead to damage or injury. It may be necessary to use the brace bar as shown in Figure B.

FIGURE A - GENERAL USE

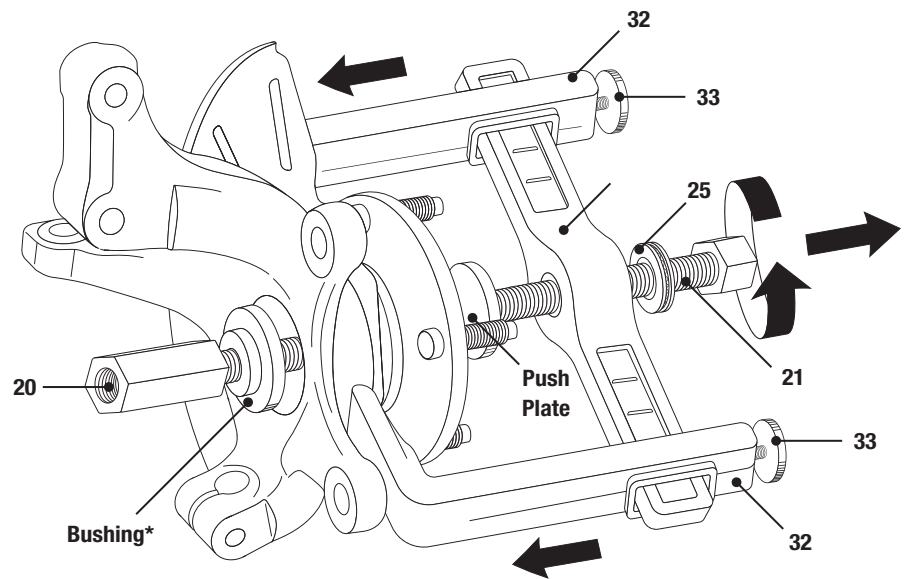
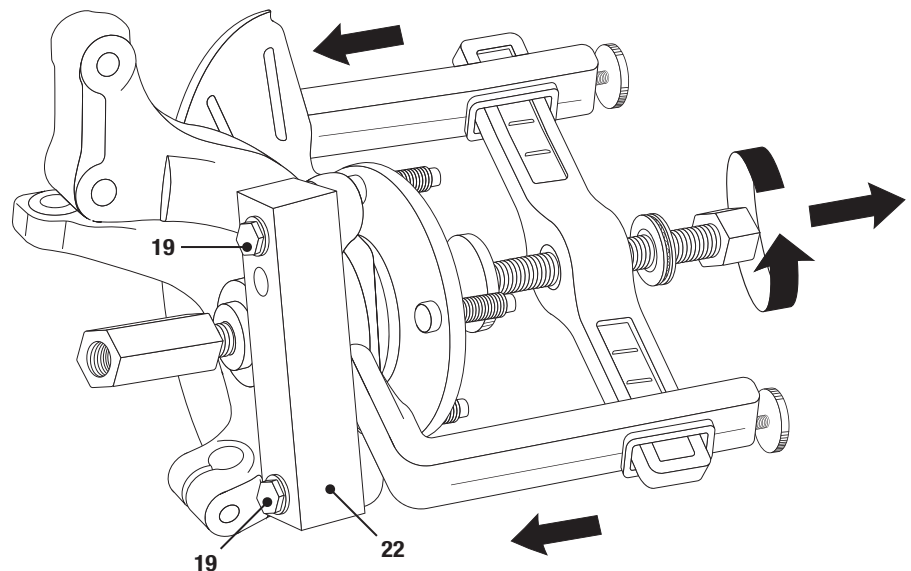


FIGURE B - GENERAL USE WITH BRACE BAR



Always begin by referring to the vehicle service manual for instructions on using an appropriate procedures when lifting the vehicle off the ground. It is only necessary to lift the vehicle just far enough to remove the wheel and tire.

BEARING REMOVAL

1. Lubricate the forcing screw, hex yoke threads, and bearing assembly from this kit, assemble components. Attach the hub puller (Items 20,21, 25) and set up to hub as shown in Figure c.
2. Remove any bearing retainers or other snap rings that will prohibit the removal of the bearing.
3. Align all components and tighten the forcing screw nut by hand to hold components for a straight pull.
4. When all components are in full contact and aligned turn the forcing screw in the appropriate direction to pull the hub, while using a wrench to keep the yoke (20) from turning. It will be necessary to use an impact wrench for removal.
For inboard bearings the component order is reversed.

BEARING INSTALLATION

1. Lubricate the new bearing, and align it with the components assembled as shown in Figure D for installation of inboard bearings. *For outboard bearings the component order is reversed.*
2. While maintaining alignment, tighten the forcing screw (21) clockwise to install, while holding the hex yoke (20) with a wrench. Do not over tighten as this could damage the bearing assembly.
3. Reinstall any bearing retainers.

FIGURE C - BEARING REMOVAL

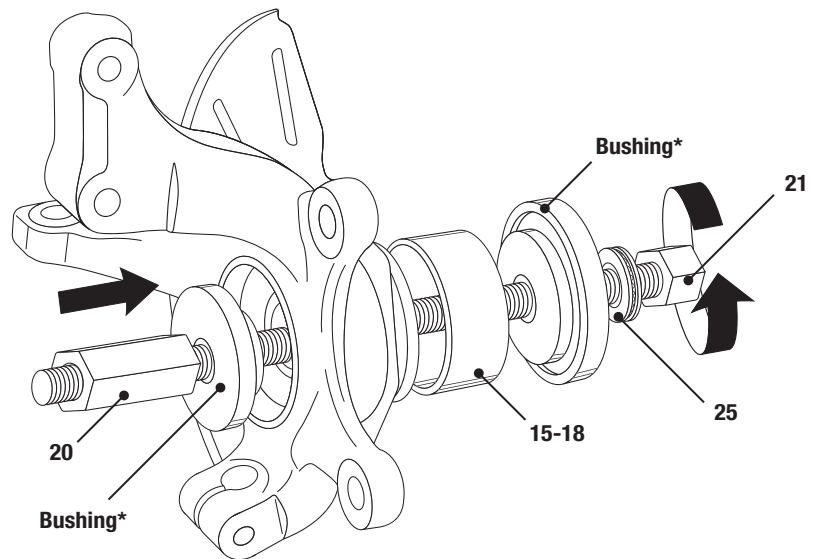
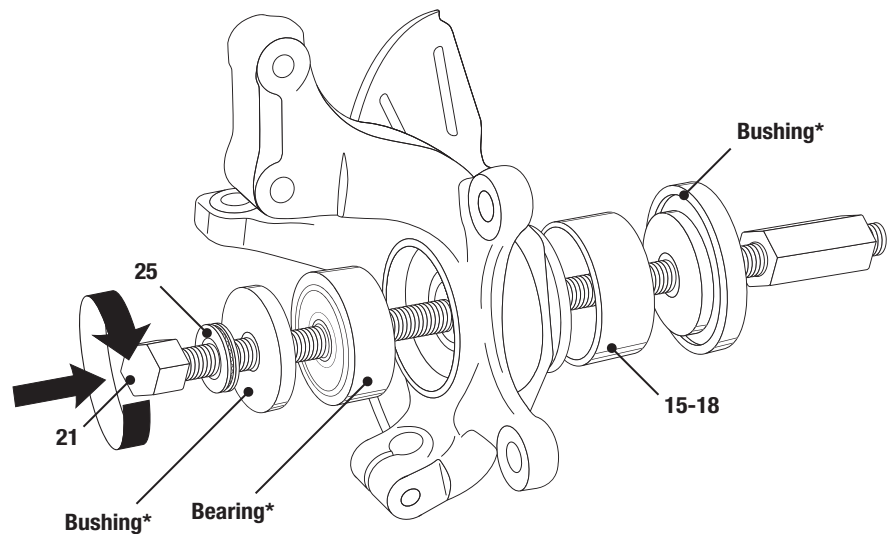


FIGURE D - BEARING INSTALLATION



Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Acura	CL 2.2L	1996-1997	13, 24, 15	24, 04	07, 13	NA	NA	NA
	CL 2.3L	1998-1999	13, 24, 15	24, 04	07, 13	NA	NA	NA
	CL 3.0L	1995-1999	13, 24, 16	24, 04	07, 13	NA	NA	NA
	CL 3.2L	2001-2003	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Integra	1986-1989	11, 23, 22	24, 06	07, 13	NA	NA	NA
	Integra	1990-1993	13, 24, 15	24, 04	07, 13	NA	NA	NA
	Integra	1996-2001	13, 24, 16	24, 01	07, 13	NA	NA	NA
	Legend	1988-1990	13, 24, 15	24, 01	07, 13	NA	NA	NA
	MDX	2001-2006	13, 24, 15	24, 02	07, 13	05, 24, 15	24, 02	02, 08
	MDX	2007-2013	NA	NA	NA	05, 24, 15	24, 02	02, 08
	NSX	1991-2003	13, 24, 16	24, 04	07, 13	NA	NA	NA
	RDX	2007-2012	15, B, 02	24, 01	02, 04	NA	NA	NA
	RL 3.5L	1996-2004	13, 24, 15	24, 02	07, 13	NA	NA	NA
	RSX	2002-2006	13, 24, 15	24, 02	07, 13	NA	NA	NA
	TL 3.2L	1996-2003	13, 24, 15	24, 02	07, 13	NA	NA	NA
	TL 3.2L	2004-2008	13, 24, 15	24, 03	07, 11	NA	NA	NA
	TL 3.5L	2007-2008	13, 24, 15	24, 01	07, 11	NA	NA	NA
	TL 3.5L	2009-2014	15, 24, 06	24, 01	06, 07	NA	NA	NA
	TL 3.7L	2009-2014	15, 24, 06	24, 01	06, 07	NA	NA	NA
	TSX	2004-2008	13, 24, 15	24, 03	07, 11	NA	NA	NA
TSX	2009-2014	15, 24, 06	24, 01	06, 07	NA	NA	NA	
Vigor	1992-1994	13, 24, 15	24, 01	07, 13	NA	NA	NA	
Audi	A4	1996-2003	13, 24, 15	24, 03	07, 13	NA	NA	NA
	A4 Quattro	1996-1998	13, 24, 15	24, 03	07, 13	NA	NA	NA
	A4 Quattro	1998-2001	13, 24, 15	24, 03	07, 13	NA	NA	NA
	A6	1996-1997	13, 24, 15	24, 03	07, 13	NA	NA	NA
	A6	1998-2001	13, 24, 15	24, 03	07, 13	NA	NA	NA
	A6 Quattro	1996-2001	13, 24, 15	24, 03	07, 13	NA	NA	NA
	A8	1997-1999	13, 24, 15	24, 03	07, 13	NA	NA	NA
	A8 Quattro	1992-2004	13, 24, 15	24, 03	07, 13	NA	NA	NA
	Allroad	2001-2005	13, 24, 15	24, 03	07, 13	NA	NA	NA
	Q7	2007-2010	10, 24, 15	24, 01*	24, 02	10, 24, 15	24, 01*	24, 02
	S4 V8 Quattro	1992-1994	13, 24, 15	24, 03	07, 13	NA	NA	NA
	S6	1996-1997	13, 24, 15	24, 03	07, 13	NA	NA	NA
80/90 Series Quattro (Coupe)	1988-1994	13, 23, 22	24, 08	07, 13	NA	NA	NA	
5000 Quattro	1980-1986	13, 23, 22	24, 08	07, 13	NA	NA	NA	
BMW	128i	2008-2011	NA	NA	NA	13, 24, 15	23, 06	01, 11
	135i	2008-2010	NA	NA	NA	13, 24, 15	23, 06	01, 11
	318i	1996-1998	NA	NA	NA	13, 24, 15	23, 06	01, 11
	318is	1996-1997	NA	NA	NA	13, 24, 15	23, 06	01, 11
	318ti	1996-1999	NA	NA	NA	13, 24, 15	23, 06	01, 11
	323ci	2000	NA	NA	NA	13, 24, 15	23, 06	01, 11
	323i	1998-2000	NA	NA	NA	13, 24, 15	23, 06	01, 11
	323is	1998-1999	NA	NA	NA	13, 24, 15	23, 06	01, 11
	325ci	2001-2006	NA	NA	NA	13, 24, 15	23, 06	01, 11
	325i	1996-2006	NA	NA	NA	13, 24, 15	23, 06	01, 11
	325xi	2001-2006	13, 24, 15	24, 02	01, 13	05, 24, 15	01, 02	01, 05
	328ci	2000	NA	NA	NA	13, 24, 15	23, 06	01, 11
	328i	1996-2013	NA	NA	NA	13, 24, 15	23, 06	01, 11
	328is	1996-1999	NA	NA	NA	13, 24, 15	23, 06	01, 11
	328xi	2007-2013	13, 24, 15	24, 02	01, 13	05, 24, 15	01, 02	01, 05
	330ci	2001-2006	13, 24, 15	24, 02	01, 13	05, 24, 15	01, 02	01, 05
330i	2001-2006	NA	NA	NA	05, 24, 15	01, 02	01, 05	

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
BMW	330xi	2001-2006	13, 24, 15	24, 02	01, 13	05, 24, 15	01, 02	01, 05
	335i	2007-2013	NA	NA	NA	05, 24, 15	01, 02	01, 05
	335xi	2007-2013	13, 24, 15	24, 02	01, 13	05, 24, 15	01, 02	01, 05
	525xi	2006-2007	11, 24, 15	24, 01	01, 03	NA	NA	NA
	528xi	2008-2013	11, 24, 15	24, 01	01, 03	NA	NA	NA
	530xi	2006-2007	11, 24, 15	24, 01	01, 03	NA	NA	NA
	535xi	2008-2013	11, 24, 15	24, 01	01, 03	NA	NA	NA
	740i	1996-2001	NA	NA	NA	05, 24, 15	01, 02	01, 05
	740iL	1996-2001	NA	NA	NA	05, 24, 15	01, 02	01, 05
	750iL	1996-2001	NA	NA	NA	05, 24, 15	01, 02	01, 05
	840Ci	1996-1997	NA	NA	NA	05, 24, 15	01, 02	01, 05
	850Ci	1996-1997	NA	NA	NA	05, 24, 15	01, 02	01, 05
	M3	1996-2006	NA	NA	NA	05, 24, 15	01, 02	01, 05
	X3	2004-2010	11, 24, 15	24, 01	01, 03	05, 24, 15	01, 02	01, 05
	X5	2000-2006	11, 24, 15	24, 01	01, 03	NA	NA	NA
Z3	1996-2002	NA	NA	NA	13, 24, 15	23, 06	01, 11	
Z4	2003-2009	NA	NA	NA	13, 24, 15	23, 06	01, 11	
Chevrolet	Aveo	2004-2010	21, 23, 13	11, 08	08, 13	NA	NA	NA
	Metro	1998-2000	21, 23, 13	23, 13	07, 13	NA	NA	NA
	Prizm	1998-2002	22, 23, 13	23, 08	07, 13	NA	NA	NA
Chrysler	All Models	1982-1988	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
	Crossfire	2004-2006	NA	NA	NA	08, 24, 15	01, 02	07, 08
	LeBaron	1989-1990	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
	PT Cruiser	2001-2010	13, 24, 15	24, 05	07, 13	NA	NA	NA
Town & Country	1989-1990	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA	
Daewoo	Lanos	1999-2002	22, 23, 11	23, 10	07, 11	NA	NA	NA
	Leganza	1999-2002	22, 23, 10	23, 06	07, 11	NA	NA	NA
	Nubira	1999-2002	22, 23, 11	23, 10	07, 11	NA	NA	NA
Dodge	All Models	1980-1983	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
	Caliber AWD	2007-2012	15, 24, 08	04, 05	04, 08	NA	NA	NA
	Caliber FWD	2007-2012	15, 24, 08	04, 05	04, 08	NA	NA	NA
	Caravan	1984-1990	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
	Charger	1984-1987	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
	Daytona	1984-1990	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
	Neon	1995-2005	13, 24, 15	24, 05	07, 13	NA	NA	NA
	Omni	1984-1990	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
Rampage	1982-1984	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA	
Ford	Spirit	1989-1990	22, 23, 13	05, 23, 21	07, 13	NA	NA	NA
	Aspire	1994-1997	13, 24, 15	24, 08	07, 13	NA	NA	NA
	Contour	1995-2001	22, 23, 13	23, 06	07, 13	NA	NA	NA
	Edge AWD/FWD	2007-2014	15, 24, 08	24, 02	01, 08	NA	NA	NA
	Escape 2WD/4WD	2001-2012	11, 24, 15	23, 05	02, 11	10, 24, 15	01, 08	03, 10
	Escort	1981-1990	13, 23, 21	23, 10	07, 13	NA	NA	NA
	Escort	1991-1995	06, 23, 22	23, 06	07, 13	NA	NA	NA
	Escort	1996-2002	08, 23, 22	23, 08	07, 13	NA	NA	NA
	Explorer 2WD/4WD	2002-2010	NA	NA	NA	05, 24, 15	24, 02	01, 05
	Explorer Sport Trac 2WD/4WD	2002-2010	NA	NA	NA	05, 24, 15	24, 02	01, 05
	Focus	2000-2011	13, 24, 15	24, 08	07, 13	NA	NA	NA
	Fusion FWD	2006-2009	11, 24, 15	23, 04	24, 11	NA	NA	NA
	Fusion AWD	2007-2009	11, 24, 15	23, 04	24, 11	10, 24, 15	23, 04	23, 03
	Probe	1993-1997	13, 24, 15	23, 04	07, 13	NA	NA	NA
	Ranger 2WD/4WD	2002-2012	NA	NA	NA	05, 24, 15	24, 02	04, 07
Taurus	1986-1995	22, 23, 13	23, 05	07, 13	NA	NA	NA	
Tempo	1983-1994	21, 23, 13	23, 01	07, 13	NA	NA	NA	

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Ford	Thunderbird	2002-2005	NA	NA	NA	09, 24, 15	24, 04	04, 07
	Windstar	1995-1998	22, 23, 13	23, 05	07, 13	NA	NA	NA
	ZX2	1998-2003	08, 23, 22	23, 08	07, 13	NA	NA	NA
Honda	Accord	1980-1985	11, 23, 22	23, 11	07, 13	NA	NA	NA
	Accord	1986-1989	22, 23, 13	23, 06	07, 13	NA	NA	NA
	Accord	1996-1997	13, 24, 15	24, 04	07, 13	NA	NA	NA
	Accord	1998-2002	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Accord	2003-2007	13, 24, 15	24, 03	07, 11	NA	NA	NA

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Honda	Accord	2008-2012	13, 24, 15	24, 01	06, 07	NA	NA	NA
	Civic CRX/Wagon 4WD	1984-1991	22, 23, 13	23, 11	07, 13	NA	NA	NA
	Civic w/ ABS	1992-1995	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Civic exc. EX/Si	1996-2000	22, 23, 13	23, 06	07, 13	NA	NA	NA
	Civic EX/Si	1996-2000	13, 24, 15	24, 04	07, 13	NA	NA	NA
	Civic	2000-2005	13, 24, 15	24, 01	07, 13	NA	NA	NA
	Civic	2006-2011	13, 24, 15	02, 04	07, 13	NA	NA	NA
	Civic Hybrid all	2003-2005	13, 24, 15	07, 13	07, 13	NA	NA	NA
	CRV	1997-2001	13, 24, 15	24, 02	07, 13	NA	NA	NA
	CRV	2002-2006	11, 24, 15	23, 02	07, 10	11, 24, 15	24, 03	01, 08
	CRV	2007-2011	02, 24, 15	24, 01	02, 04	NA	NA	NA
	Del Sol	1994-1997	13, 24, 15	24, 04	07, 13	NA	NA	NA
	Element	2003-2011	11, 24, 15	23, 02	07, 10	NA	NA	NA
	Fit	2007-2009	11, 23, 22	03, 06	07, 11	NA	NA	NA
	Odyssey	1999-2004	13, 24, 15	24, 01	07, 13	NA	NA	NA
	Odyssey	2005-2010	02, 24, 15	24, 01	02, 04	NA	NA	NA
	Pilot	2003-2015	13, 24, 15	24, 02	07, 13	05, 24, 15	24, 02	02, 08
	Prelude	1980-1987	02, 23, 11	23, 11	07, 13	NA	NA	NA
	Prelude	1988-1996	13, 24, 15	24, 01	07, 13	NA	NA	NA
	Prelude	1997-2001	13, 24, 15	24, 02	07, 13	NA	NA	NA
Ridgeline	2006-2014	11, 24, 15	01*	B, 03	03, 24, 15	08, 01*	24, 03	
S2000	2000-2009	13, 24, 15	24, 02	07, 13	05, 24, 15	24, 02	02, 08	
Hyundai	Accent	1995-1999	13, 23, 22	23, 09	07, 13	NA	NA	NA
	Accent	2000-2010	13, 23, 22	23, 10	07, 13	NA	NA	NA
	Azera	2006-2011	04, 24, 15	24, 03	03, 10	NA	NA	NA
	Elantra	1986-1995	13, 23, 22	23, 09	07, 13	NA	NA	NA
	Elantra	1996-2000	13, 23, 22	23, 10	07, 13	NA	NA	NA
	Elantra	2001-2006	11, 24, 15	24, 08	02, 08	NA	NA	NA
	Elantra	2007-2010	10, 24, 15	24, 04	02, 10	NA	NA	NA
	Santa Fe AWD/FWD	2001-2006	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Sonata	1989-1998	13, 24, 15	24, 04	07, 13	NA	NA	NA
	Sonata	1999-2002	13, 24, 15	24, 04	07, 13	NA	NA	NA
	Sonata	2003-2010	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Tiburon	1997-2001	13, 23, 22	23, 10	07, 13	NA	NA	NA
	Tiburon 4 CYL	2003-2008	11, 24, 15	24, 08	02, 08	NA	NA	NA
	Tiburon 6 CYL	2003-2008	13, 24, 15	24, 04	07, 13	NA	NA	NA
Tucson AWD/FWD	2005-2010	13, 24, 15	24, 02	07, 13	NA	NA	NA	
XG350	2002-2005	13, 24, 15	24, 02	07, 13	NA	NA	NA	
Infiniti	G20	1991-2002	13, 23, 22	23, 06	07, 13	NA	NA	NA
	I30	1996-2001	13, 23, 22	23, 06	07, 13	NA	NA	NA
	I30t	1997-2001	13, 23, 22	23, 06	07, 13	NA	NA	NA
	I35	2002-2004	13, 23, 22	23, 06	07, 13	NA	NA	NA
Jaguar	S-Type	2000-2004	NA	NA	NA	09, 24, 15	24, 04	04, 07
	XJ8	1999-2003	11, 24, 15	23, 04	24, 11	NA	NA	NA
	XJR	1999-2003	11, 24, 15	23, 04	24, 11	NA	NA	NA
	XK8	2000-2004	11, 24, 15	23, 04	24, 11	NA	NA	NA
	XKR	2000-2004	11, 24, 15	23, 04	24, 11	NA	NA	NA
Jeep	Compass 2WD/4WD	2007-2011	8, 24, 15	04, 05	04, 08	NA	NA	NA
	Patriot 2WD/4WD	2007-2011	8, 24, 15	04, 05	04, 08	NA	NA	NA
Kia	Amanti	2004-2010	04, 24, 15	24, 03	03, 10	NA	NA	NA

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Kia	Magentis	2002-2010	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Optima	2001-2002	13, 24, 15	24, 04	07, 13	NA	NA	NA
	Optima	2003-2010	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Rio	2006-2010	13, 23, 22	23, 10	07, 13	NA	NA	NA
	Rio5	2006-2010	13, 23, 22	23, 10	07, 13	NA	NA	NA
	Rondo	2007- 2010	13, 24, 15	24, 02	07, 13	NA	NA	NA
	Sedona	2002-2005	13, 23, 22	23, 06	03, 13	NA	NA	NA
	Sephia	1996-1999	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Sephia	2000-2001	11, 24, 15	23, 04	24, 11	NA	NA	NA
	Sorento	2003-2009	13, 23, 22	23, 06	03, 13	NA	NA	NA
	Spectra	2000-2004	11, 24, 15	23, 04	24, 11	NA	NA	NA
Spectra	2005-2009	11, 24, 15	24, 08	02, 08	NA	NA	NA	

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Kia	Spectra5	2006-2009	11, 24, 15	24, 08	02, 08	NA	NA	NA
	Sportage	2005-2010	13, 24, 15	24, 02	07, 13	NA	NA	NA
Lexus	ES 300	1996-2003	13, 24, 15	24, 03	07, 13	NA	NA	NA
	ES 330	2004-2006	8, 24, 15	24, 03	03, 07	NA	NA	NA
	ES 350	2007-2012	8, 24, 15	24, 03	03, 07	NA	NA	NA
	GS 300	1996-1998	NA	NA	NA	08, 24, 15	03, 04	03, 05
	GS 300	1999-2006	NA	NA	NA	08, 24, 15	03,	04, 07
	GS 400	1998-2000	NA	NA	NA	08, 24, 15	03,	04, 07
	GS 430	2001-2007	NA	NA	NA	08, 24, 15	03,	04, 07
	IS 300	2001-2005	NA	NA	NA	08, 24, 15	03,	04, 07
	LS 400	1996-2000	NA	NA	NA	08, 24, 15	03, 04	03, 05
	RX 300 AWD	1999-2003	13, 24, 15	24, 03	03, 07	13, 24, 15	02, 08	02, 04
	RX 300 FWD	1999-2003	13, 24, 15	24, 03	03, 07	NA	NA	NA
	RX 330 AWD/FWD	2004-2006	8, 24, 15	24, 03	03, 07	NA	NA	NA
	RX 350 AWD/FWD	2007-2012	8, 24, 15	24, 03	03, 07	NA	NA	NA
	RX400h AWD/FWD	2006-2009	8, 24, 15	24, 03	03, 07	NA	NA	NA
	SC 300	1996-2000	NA	NA	NA	08, 24, 15	03, 04	03, 05
	SC 400	1996-2000	NA	NA	NA	08, 24, 15	03, 04	03, 05
	SC 430	2002-2008	NA	NA	NA	08, 24, 15	03,	04, 07
Lincoln	Aviator 2WD/4WD	2002-2005	NA	NA	NA	05, 24, 15	24, 02	01, 05
	LS	2000-2006	NA	NA	NA	09, 24, 15	24, 04	04, 07
	MKX AWD	2006-2008	8, 24, 15	24, 02	01, 08	NA	NA	NA
	MKX FWD	2007-2015	8, 24, 15	24, 02	01, 08	NA	NA	NA
	MKZ AWD	2007-2010	11, 24, 15	23, 04	24, 11	10, 24, 15	23, 04	23, 03
	MKZ FWD	2007-2010	11, 24, 15	23, 04	24, 11	NA	NA	NA
	Zephyr	2006	11, 24, 15	23, 04	24, 11	NA	NA	NA
Mazda	626	1983-1987	13, 23, 21	23, 01	07, 13	NA	NA	NA
	626	1988-1992	13, 23, 22	23, 06	07, 13	NA	NA	NA
	626	1996-2002	13, 23, 22	23, 04	07, 13	NA	NA	NA
	CX-7 AWD/FWD	2007-2012	8, 24, 15	24, 02	01, 08	NA	NA	NA
	CX-9 AWD/FWD	2007-2016	8, 24, 15	24, 02	01, 08	NA	NA	NA
	Mazda3	2006-2009	13, 23, 22	23, 04	07, 13	NA	NA	NA
	Mazda5	2006-2009	13, 24, 15	23, 04	03, 13	NA	NA	NA
	Mazda6	2003-2009	13, 23, 22	23, 04	07, 13	NA	NA	NA
	Millenia	1996-2002	13, 23, 22	23, 04	07, 13	NA	NA	NA
	MPV	1999-2006	13, 23, 22	23, 04	07, 13	NA	NA	NA
	MPV 4WD	1996-1998	13, 23, 22	23, 04	07, 13	NA	NA	NA
	MX-5 Miata	2006-2013	NA	NA	NA	10, 24, 15	23, 04	23, 03
	Protégé	1996-2003	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Protégé5	2002-2003	13, 23, 22	23, 06	07, 13	NA	NA	NA
Tribute 2WD/4WD	2001-2009	11, 24, 15	23, 05	02, 11	10, 24, 15	01, 08	03, 10	
Mercedes-Benz	C230	1997-2000	08, 24, 15	01, 02	07, 08	08, 24, 15	01, 02	07, 08
	C230	2002-2007	NA	NA	NA	08, 24, 15	01, 02	07, 08
	C240	2001-2005	NA	NA	NA	08, 24, 15	01, 02	07, 08
	C280	1996-2007	NA	NA	NA	08, 24, 15	01, 02	07, 08
	C32 AMG	2002-2004	NA	NA	NA	08, 24, 15	01, 02	07, 08
	C320	2001-2005	NA	NA	NA	08, 24, 15	01, 02	07, 08
	C350	2006-2007	NA	NA	NA	08, 24, 15	01, 02	07, 08
	C43 AMG	1998-2000	NA	NA	NA	08, 24, 15	01, 02	07, 08
	C55 AMG	2005-2006	NA	NA	NA	08, 24, 15	01, 02	07, 08
	CL55 AMG	2001-2003	NA	NA	NA	11, 24, 15	02,	07,

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Mercedes-Benz	CL65 AMG	2005-2006	NA	NA	NA	11, 24, 15	02,	07,
	CLK320	1998-2005	NA	NA	NA	08, 24, 15	01, 02	07, 08
	CLK350	2006-2010	NA	NA	NA	08, 24, 15	01, 02	07, 08
	CLK430	1999-2003	NA	NA	NA	08, 24, 15	01, 02	07, 08
	CLK500	2003-2006	NA	NA	NA	08, 24, 15	01, 02	07, 08
	CLK55 AMG	2001-2006	NA	NA	NA	08, 24, 15	01, 02	07, 08
	CLK550	2007-2009	NA	NA	NA	08, 24, 15	01, 02	07, 08
	CLS63 AMG	2008-2010	NA	NA	NA	08, 24, 15	01, 02	07, 08
	E300	1996-1999	NA	NA	NA	08, 24, 15	01, 02	07, 08
	E320	1996-2003	NA	NA	NA	08, 24, 15	01, 02	07, 08
	E350	2006-2016	NA	NA	NA	08, 24, 15	01, 02	07, 08

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Mercedes-Benz	E350	2006-2016	NA	NA	NA	08, 24, 15	01, 02	07, 08
	E430	1998-2002	NA	NA	NA	08, 24, 15	01, 02	07, 08
	E55 AMG	1999-2003	NA	NA	NA	08, 24, 15	01, 02	07, 08
	ML320	1998-2003	11, 24, 15	02,	07,	11, 24, 15	02,	07,
	ML350	2003-2011	11, 24, 15	02,	07,	11, 24, 15	02,	07,
	ML430	1999-2001	11, 24, 15	02,	07,	11, 24, 15	02,	07,
	ML500	2002-2011	11, 24, 15	02,	07,	11, 24, 15	02,	07,
	ML55 AMG	2000-2003	11, 24, 15	02,	07,	11, 24, 15	02,	07,
	S320	1995-1999	NA	NA	NA	11, 24, 15	02,	07,
	S350	2006	NA	NA	NA	11, 24, 15	02,	07,
	S420	1996-1999	NA	NA	NA	11, 24, 15	02,	07,
	S430	2000-2006	NA	NA	NA	11, 24, 15	02,	07,
	S500	1996-2006	NA	NA	NA	11, 24, 15	02,	07,
	S55 AMG	2001-2005	NA	NA	NA	11, 24, 15	02,	07,
	S550	2007-2013	NA	NA	NA	11, 24, 15	02,	07,
	S600	1996-2014	NA	NA	NA	11, 24, 15	02,	07,
	S63 AMG	2007-2009	NA	NA	NA	11, 24, 15	02,	07,
	S65 AMG	2007-2009	NA	NA	NA	11, 24, 15	02,	07,
	SL 500	1996-2002	NA	NA	NA	08, 24, 15	01, 02	07, 08
	SL 600	1996-2009	NA	NA	NA	08, 24, 15	01, 02	07, 08
	SL 600	1996-2009	NA	NA	NA	08, 24, 15	01, 02	07, 08
	SLK 230	1998-2004	NA	NA	NA	08, 24, 15	01, 02	07, 08
	SLK 280	2006-2010	NA	NA	NA	08, 24, 15	01, 02	07, 08
SLK 32 AMG	2002-2004	NA	NA	NA	08, 24, 15	01, 02	07, 08	
SLK 320	2001-2004	NA	NA	NA	08, 24, 15	01, 02	07, 08	
SLK 350	2005-2010	NA	NA	NA	08, 24, 15	01, 02	07, 08	
SLK 55 AMG	2005-2010	NA	NA	NA	08, 24, 15	01, 02	07, 08	
Mercury	Cougar	1999-2002	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Mariner 2WD/4WD	2005-2010	11, 24, 15	23, 05	02, 11	10, 24, 15	01, 08	03, 10
	Milan	2006-2011	11, 24, 15	23, 04	24, 11	NA	NA	NA
	Mountaineer 2WD/4WD	2002-2010	NA	NA	NA	05, 24, 15	24, 02	01, 05
	Mystique	1995-2001	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Sable	1986-1995	13, 23, 22	23, 05	07, 13	NA	NA	NA
	Topaz	1992-1994	13, 23, 22	23, 01	07, 13	NA	NA	NA
	Tracer	1991-1999	08, 23, 22	23, 08	07, 13	NA	NA	NA
Villager	1993-2002	13, 24, 16	23, 04	07, 13	NA	NA	NA	
Mitsubishi	3000GT FWD	1996-1999	13, 24, 15	24, 05	07, 13	NA	NA	NA
	Diamonte	1990-2004	13, 24, 15	24, 05	07, 13	NA	NA	NA
	Eclipse	1989-1994	13, 24, 15	24, 05	07, 13	NA	NA	NA
	Galant	1985-1993	13, 24, 15	24, 05	07, 13	NA	NA	NA
	Lancer	2007-2009	08, 24, 15	04, 05	04, 08	NA	NA	NA
	Lancer ES	2002-2006	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Mirage	1992-2002	13, 23, 22	23, 06	07, 13	NA	NA	NA
Nissan	200SX	1991-1999	09, 23, 22	23, 08	07, 13	NA	NA	NA
	240SX	1996-1998	09, 23, 22	23, 08	07, 13	NA	NA	NA
	Altima	1996-2005	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Maxima	1996-2013	13, 23, 22	23, 06	07, 13	NA	NA	NA
	NX	1991-1996	09, 23, 22	23, 08	07, 13	NA	NA	NA
	Pulsar	1987-1990	09, 23, 22	23, 08	07, 13	NA	NA	NA
	Quest	1996-2004	13, 24, 15	23, 04	07, 13	NA	NA	NA
	Sentra	1987-1990	09, 23, 22	23, 08	07, 13	NA	NA	NA
	Sentra	1996-1999	09, 23, 22	23, 06	07, 13	NA	NA	NA
	Sentra	2000-2006	13, 23, 22	23, 06	07, 13	NA	NA	NA
Stanza	1985-1989	13, 23, 22	23, 06	07, 13	NA	NA	NA	
	All Models	1980-1983	13, 23, 22	05, 23, 21	07, 13	NA	NA	NA

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Plymouth	Acclaim	1984-1990	13, 23, 22	05, 23, 21	07, 13	NA	NA	NA
	Caravelle	1985-1988	13, 23, 22	05, 23, 21	07, 13	NA	NA	NA
	Horizon Turismo	1984-1990	13, 23, 22	05, 23, 21	07, 13	NA	NA	NA
	Neon	1995-2001	13, 24, 15	24, 05	07, 13	NA	NA	NA
	Sundance	1984-1990	13, 23, 22	05, 23, 21	07, 13	NA	NA	NA
	Voyager	1983-1990	13, 23, 22	05, 23, 21	07, 13	NA	NA	NA
Pontiac	Vibe	2003-2010	13, 23, 22	23, 06	07, 13	NA	NA	NA

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Saab	900	1996-1998	06, 23, 22	23, 06	06, 07	NA	NA	NA
	9-2	2005-2006	13, 23, 22	23, 09	07, 13	13, 23, 22	05, 11	10, 11
	9-5	1999-2002	06, 23, 22	23, 06	06, 07	NA	NA	NA
	9-5	1999-2002	06, 23, 22	23, 06	06, 07	NA	NA	NA
Saturn	L100	2001-2002	10, 23, 22	23, 06	07, 11	NA	NA	NA
	L200	2001-2003	10, 23, 22	23, 06	07, 11	NA	NA	NA
	L300	2001-2005	10, 23, 22	23, 06	07, 11	NA	NA	NA
	L300-1	2004	10, 23, 22	23, 06	07, 11	NA	NA	NA
	L300-2	2004	10, 23, 22	23, 06	07, 11	NA	NA	NA
	L300-3	2004	10, 23, 22	23, 06	07, 11	NA	NA	NA
	LS	2000	10, 23, 22	23, 06	07, 11	NA	NA	NA
	LS1	2000	10, 23, 22	23, 06	07, 11	NA	NA	NA
	LS2	2000	10, 23, 22	23, 06	07, 11	NA	NA	NA
	LW1	2000	10, 23, 22	23, 06	07, 11	NA	NA	NA
	LW2	2000	10, 23, 22	23, 06	07, 11	NA	NA	NA
	LW200	2001-2003	10, 23, 22	23, 06	07, 11	NA	NA	NA
	LW300	2001-2003	10, 23, 22	23, 06	07, 11	NA	NA	NA
	SC1	1996-2002	13, 23, 22	23, 10	07, 13	NA	NA	NA
	SC2	1996-2002	13, 23, 22	23, 10	07, 13	NA	NA	NA
	SL	1996-2002	13, 23, 22	23, 10	07, 13	NA	NA	NA
	SL1	1996-2002	13, 23, 22	23, 10	07, 13	NA	NA	NA
	SL2	1996-2002	13, 23, 22	23, 10	07, 13	NA	NA	NA
	SW1	1996-2001	13, 23, 22	23, 10	07, 13	NA	NA	NA
	SW2	1996-2001	13, 23, 22	23, 10	07, 13	NA	NA	NA
Scion	tC	2005-2010	13, 23, 22	23, 06	07, 13	NA	NA	NA
	xA	2004-2006	13, 23, 22	23, 09	07, 13	NA	NA	NA
	xB	2004-2006	13, 23, 22	23, 09	07, 13	NA	NA	NA
	xD	2008-2010	13, 23, 22	23, 06	07, 13	NA	NA	NA
Subaru	Baja	2003-2006	13, 23, 22	23, 09	07, 13	NA	NA	NA
	Forester	1998-2009	13, 23, 22	23, 09	07, 13	13, 23, 22	05, 11	10, 11
	Impreza	1996-1999	13, 23, 22	23, 09	07, 13	NA	NA	NA
	Impreza	2000-2007	13, 23, 22	23, 09	07, 13	13, 23, 22	05, 11	10, 11
	Legacy	1994-2004	13, 23, 22	23, 09	07, 13	NA	NA	NA
	Outback	2000-2004	13, 23, 22	23, 09	07, 13	NA	NA	NA
Toyota	SVX	1996-1997	13, 23, 22	23, 09	07, 13	13, 23, 22	05, 11	10, 11
	Aerio AWD/FWD	2002-2007	13, 23, 22	03, 09	07, 13	NA	NA	NA
Suzuki	Forenza	2004-2008	10, 23, 22	23, 06	07, 11	NA	NA	NA
	Reno	2004-2008	10, 23, 22	23, 06	07, 11	NA	NA	NA
	Swift	1996-2001	13, 23, 21	23, 13	07, 13	NA	NA	NA
	SX4	2007-2009	13, 23, 22	03, 09	07, 13	NA	NA	NA
	4-Runner 2WD	1996-2002	02, 24, 15	24, 01*	24, 02	NA	NA	NA
	4-Runner 4WD	1996-2001	02, 24, 15	24, 01*	24, 02	NA	NA	NA
	Avalon	1994-2004	13, 24, 16	24, 03	07, 13	NA	NA	NA
	Avalon	2005-2010	8, 24, 15	24, 03	03, 07	NA	NA	NA
	Camry	1983-1991	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Camry	1992-2003	13, 24, 16	24, 03	07, 13	NA	NA	NA
	Camry	2004-2011	8, 24, 15	24, 03	03, 07	NA	NA	NA
	Celica	1983-1999	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Celica	2000	13, 23, 22	23, 09	07, 13	NA	NA	NA
	Celica	2001-2005	13, 23, 22	23, 06	07, 13	NA	NA	NA

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Toyota	Corolla	1988-2002	13, 23, 22	23, 08	07, 13	NA	NA	NA
	Corolla	2003-2012	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Echo	2000-2005	13, 23, 22	23, 09	07, 13	NA	NA	NA
	Highlander 2WD	2001-2010	8, 24, 15	24, 03	03, 07	NA	NA	NA
	Highlander 4WD	2001-2003	8, 24, 15	24, 03	03, 07	13, 24, 16	02, 08	02, 04
	Highlander 4WD	2004-2010	8, 24, 15	24, 03	03, 07	NA	NA	NA
	Matrix	2003-2013	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Paseo	1991-1999	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Prius	2001-2003	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Rav4 2WD	1996-2000	13, 23, 22	23, 06	07, 13	NA	NA	NA
	Rav4 2WD	2001-2005	13, 24, 15	24, 03	07, 13	NA	NA	NA
	Rav4 4WD	1996-2000	13, 23, 22	23, 06	07, 13	NA	NA	NA

Make	Model	Year	Fr. Remove	Fr. Install	Hub Install	R. Remove	R. Install	R. Hub Install
Toyota	Rav4 4WD	2001-2005	13, 24, 15	24, 03	07, 13	07, 13	NA	NA
	Sequoia 2WD/4WD	2001-2010	02, 24, 15	24, 01*	24, 02	24, 02	NA	NA
	Sienna FWD	1998-2002	13, 24, 15	24, 03	07, 13	07, 13	NA	NA
	Sienna FWD	2003-2010	8, 24, 15	24, 03	03, 07	03, 07	NA	NA
	Sienna AWD	1998-2002	13, 24, 15	24, 03	07, 13	07, 13	NA	NA
	Sienna AWD	2003-2010	8, 24, 15	24, 03	03, 07	03, 07	NA	NA
	Solara	1998-2003	13, 24, 15	24, 03	07, 13	07, 13	NA	NA
	Solara	2004-2008	8, 24, 15	24, 03	03, 07	03, 07	NA	NA
	Supra	1996-1998	13, 24, 15	24, 03	07, 13	07, 13	03, 04	03, 05
	Tacoma 2WD	2000-2006	02, 24, 15	24, 01*	24, 02	24, 02	NA	NA
	Tacoma 4WD	1996-2004	02, 24, 15	24, 01*	24, 02	24, 02	NA	NA
	Tercel	1983-1999	13, 23, 22	23, 08	07, 13	07, 13	NA	NA
	Tundra 2WD	2000-2006	02, 24, 15	24, 01*	24, 02	24, 02	NA	NA
Tundra 4WD	2000-2006	02, 24, 15	24, 01*	24, 02	24, 02	NA	NA	
Volkswagen	Cabriolet	1985-1996	11, 23, 21	23, 11	07, 10	07, 10	NA	NA
	Cabriolet	1996-2002	13, 23, 22	23, 08	07, 13	07, 13	NA	NA
	Corrado	1988-1994	13, 23, 22	23, 06	07, 13	07, 13	NA	NA
	Dasher	1974-1981	13, 23, 21	23, 11	07, 13	07, 13	NA	NA
	Eurovan	1992-1996	13, 24, 16	24, 03	07, 13	07, 13	NA	NA
	Fox	1987-1993	13, 23, 21	23, 11	07, 13	07, 13	NA	NA
	Golf	1985-1987	11, 23, 21	23, 11	07, 10	07, 10	NA	NA
	Golf	1996-1998	13, 23, 22	23, 08	07, 13	07, 13	NA	NA
	Golf	1999-2005	13, 23, 22	23, 08	07, 13	07, 13	NA	NA
	Jetta	1980-1987	11, 23, 21	23, 11	07, 11	07, 11	NA	NA
	Jetta	1988-2004	13, 23, 22	23, 08	07, 13	07, 13	NA	NA
	New Beetle	1998-2010	13, 23, 22	23, 08	07, 13	07, 13	NA	NA
	Passat	1990-1997	13, 23, 22	23, 06	07, 13	07, 13	NA	NA
	Passat	1998-2005	13, 24, 15	24, 03	07, 13	07, 13	NA	NA
Quantum	1982-1988	13, 23, 21	23, 11	07, 13	07, 13	NA	NA	
Scirocco	1981-1992	11, 23, 21	23, 11	07, 10	07, 10	NA	NA	
Touareg	2004-2010	10, 24, 15	24, 01*	24, 02	24, 02	24, 01*	24, 02	
Volvo	960	1996-1997	NA	NA	NA	NA	01, 02	07, 08
	S40	2000-2004	11, 23, 22	23, 06	03, 06	03, 06	NA	NA
	S90	1998	NA	NA	NA	NA	01, 02	07, 08
	V40	2000-2004	11, 23, 22	23, 06	03, 06	03, 06	NA	NA

NA: Tapered bearing and race, replace hub assembly, shop press required, and or your application has a solid rear axle.

01*: MAY or MAY NOT be undersized for your application.