



Ultimate Dana 60 Axle for Jeep Wrangler JL

Crate Axles

<u>Kit Component</u>	<u>Part Number</u>
Front axle 3.73	10056042
Front axle 4.10	10056043
Front axle 4.88	10056032
Front axle 5.38	10056030
Rear axle 3.73	10048784
Rear axle 4.10	10048758
Rear axle 4.88	10048764
Rear axle 5.38	10048784

<u>Optional Components</u>	<u>Part Number</u>
E-Locker wire harness and Switch kit	10021771

Parking brake cable LH & RH C660116

Note: This is a Dorman PN, the similar OE Dodge style will not be compatible due to the plastic retainer clips instead of metal that the JL requires.

Axle features

- "Bolt in" axles for the Jeep Wrangler JL
- 3.73, 4.10, 4.88 & 5.38 axle ratios
- 35 spline inner/outer chromoly axle shafts with SPL70 U-joints
- Electric differential locker
- RAM 3500 brake package
- 3.5" tube diameter
- Heavy duty cast iron differential cover
- Full float rear axle design
- Fluid filled with synthetic 75W140
 - o Front: 2.0 L
 - o Rear: 2.6 L
- Pinion yoke - 1350 ½ round strap style
- Axle internals are Dana 60 for strength and ease of service

Installation notes

- Original JL Wheel speed/ABS sensors and mounting bolts must be removed from stock axles and reused.
- Original JL Drag Link will not work. Customer must order an Aftermarket Drag Link for UD60 JL.

- o We used Synergy PN: SYN8000 with 2 washers (3/4" & 5/8") between nut and pitman arm to make up length difference.
- Original JL Tie Rod will not work. Stock JK or Upgraded JK Tie Rod must be used.
 - o We used Synergy PN: SYN8002 with no modifications necessary.
- Original JL Steering Stabilizer and mounting brackets will not work. Aftermarket Steering Stabilizer and mounting brackets are needed.
 - o We used Rancho (PN:RS5406) in conjunction with Synergy Tie Rod Clamp (PN: SYN8003).
- Longer bolts may be required for some suspension points – use grade 10.9.
- Suspension torques from JL service manual should be followed.
- Driveshaft (1350 series U-joints) will be required.
- 9/16 x 18 wheel studs, 8x6.5" bolt spacing wheels required
- 2" jounce restriction required (typically coupled with 2" lift). Final fitment is responsibility of the end user.
- Toe-in from service manual should be followed or set to 1/8" toe-in total.
- 4.8 degree caster is recommended for optimal ride & handling quality.
- Ensure brake lines and fittings do not make contact with other components
- Electric locker voltage/current required (0-18V, 8A max continuous)
- See JL service manual for general axle installation information.

Operational Notes

- When hubs are unlocked, 4WD may not be engaged while in motion.
- User should familiarize themselves with the new brake system, as pedal feel may change.
- Any gear ratio and tire size changes require reprogramming at the dealership.

Crate Axles Continued

Service Items

<u>Component</u>	<u>Part Number</u>		
Axle shaft U-joints	Spicer SPL70-4X	Brake rotor front	OE 52122182AB
Axle shaft outer front	Dana 10004051	Brake rotor rear	OE 52122184AA
Axle shaft LH inner front	Dana 10009767	Wheel speed sensor front	OE 68165624AC
Axle shaft RH inner front	Dana 10009448	Wheel speed sensor rear	OE 04779735AD
Axle shaft LH rear	Dana 10003519	Brake caliper front	OE 68049150AC/ 68049151AC
Axle shaft RH rear	Dana 10004851	Brake caliper rear	OE 68049176AB/ 68049177AB
Input yoke straps	Dana 3-70-28X		
Differential case	Eaton E-Locker	Brake caliper pin kit front	OE 68049153AA
Hub lock	Warn M60	Brake caliper pin kit rear	OE 68049161AA
Ball joint upper	Dana 2012503	Rear pinion outer bearing	OE 550359/550358
Ball joint lower	Dana 2012504	Rear pinion inner bearing	OE 550361/550360
Rear pinion seal	Dana 50637	Rear differential bearing	OE 550363/550362
Rear hub seal	Dana 10006508	Rear wheel outer bearing	OE 565918/565911
Front pinion seal	Dana 2014762	Rear wheel inner bearing	OE 550332/550401
Front differential seal	Dana 2019816	Front pinion outer bearing	OE 550359/550358
Front spindle outer seal	Dana 50381	Front pinion inner bearing	OE 550361/550360
Front spindle inner seal	Dana 44506	Front differential bearing	OE 550363/550362
Front hub seal	Dana 37729	Front wheel outer bearing	OE 565918/565911
Wheel studs	OE 05096145AA	Front wheel inner bearing	OE 550363/550362
Brake pads front	OE 68049148AA	Front spindle bearing	OE 620063
Brake pads rear	OE 68049158AA		

For assistance please contact the Spicer TechService Department at 800-621-8084.

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Instruction Sheet PN: 10098079

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