1998-2004 Dodge Intrepid | Advanced | 1-2 hours | $125 DIY

TOOLS

Floor jack and jack stands Breaker bar
Large socket for axle nut (32-36mm range)
Socket set and ratchet Torque wrench Rubber mallet Brass drift or punch Penetrating oil
Wire brush Bungee cord or mechanic's wire
Anti-seize compound

PARTS

Front wheel bearing and hub assembly (with integrated ABS sensor where applicable) $109.00
Replacement axle nut (use new; many are prevailing-torque style) $16.00
Anti-Seize Compound

STEPS

1. **Confirm the bearing is the culprit - Drive 35-45 mph, swerving gently - a hum or growl rising on** right turns points to the left bearing and vice versa. Jack the front up; rock the wheel at 12 and 6 - play confirms a bad hub.
2. **Loosen the axle nut before lifting - On the ground, remove the center cap and loosen the axle nut** with a breaker bar while a helper holds the brakes. The nut must be cracked loose on the ground or the hub spins; don't remove it fully ye...
3. **Raise the car and remove the wheel - Loosen the lug nuts, jack up the front, and support it on** jack stands under the subframe. Never work under a car supported only by a jack. Remove the wheel to expose the rotor, caliper, and hub.
4. **Remove the brake caliper and rotor - Unbolt the caliper bracket and hang the caliper from the** strut so the hose isn't strained. Slide the rotor off the hub - if rusted on, tap the hat with a mallet - exposing the hub flange and knuc...
5. **Disconnect the ABS sensor wiring - Trace the wheel-speed sensor wire to its connector and unplug** it. The sensor is built into the hub on most trims - the new hub includes one. Note the routing so the new harness follows the same pat...
6. **Remove the axle nut and free the axle - Remove the axle nut, then push the axle through the hub** with a brass drift or by hand. Use penetrating oil and taps on the splines; never hammer the shaft with steel. Push it back enough to clear the...
7. **Unbolt the hub from the knuckle - Remove the three (or four, depending on year) hub-to-knuckle** bolts with a socket and breaker bar. Usually corroded - soak with penetrating oil, use steady pressure to avoid snapping one, tap the fl...
8. **Clean the knuckle mounting surface - Wire-brush the hub mounting face to clean metal - rust or** debris will cock the new hub, causing bearing failure or ABS air-gap issues. Anti-seize on the mating surface, off bolt threads and tone ri...
9. **Install the new hub assembly - Seat the new hub into the knuckle; thread the bolts in by hand to** avoid cross-threading. Torque the hub bolts to spec in a star pattern. Route the ABS harness along the original path, clip it in, rec...
10. **Reinstall the axle, rotor, bracket, and wheel; torque the axle nut - Slide the axle through the** hub. Reinstall the rotor and bracket, torquing to spec, then the wheel; lower the car. With weight on the wheels, torque the axle nut to spec and stake or cotter it as befo...
11. **Road-test and recheck - Test drive carefully, listening for the original hum and confirming the** ABS light stays off. Brake gently several times to reseat the pads. After 50 miles, recheck axle and lug nut torque - new hub...

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