

HUB BEARING INSTALLATION INSTRUCTIONS

FIT IT RIGHT. VERIFY EVERY STEP.

Professional general fitting guidance for NEXORA automotive wheel hub and bearing assemblies.

IMPORTANT INSTALLATION NOTICE

Always follow the vehicle manufacturer's service procedure, torque specifications, and safety requirements. Hub and bearing designs vary by application. This guide is general information and does not replace vehicle-specific OE service information. Installation should be performed by a qualified technician using appropriate tools and safety equipment.

PREPARE THE VEHICLE, PART, AND WORK AREA

01

VERIFY APPLICATION

Confirm the NEXORA hub/bearing matches the vehicle year, make, model, drivetrain, axle position, bolt pattern, wheel-stud configuration, ABS sensor/encoder configuration, and connector where applicable.

02

COMPARE COMPONENTS

Compare the replacement assembly with the removed component before installation. Confirm flange dimensions, mounting points, electrical connection, and sensor/encoder orientation.

03

INSPECT RELATED PARTS

Inspect the steering knuckle, axle splines, CV axle threads, brake components, seals, fasteners, and mounting surfaces for wear, corrosion, deformation, or damage.

04

PREPARE TOOLS & HARDWARE

Use the correct pullers, press adapters, torque wrench, and service tools. Replace single-use axle nuts, hub bolts, snap rings, cotter pins, and other hardware whenever specified by the vehicle manufacturer.

STEP-BY-STEP FITTING GUIDANCE

01

PREPARE THE VEHICLE

Park on a level surface, engage the parking brake, secure the wheels, and follow the OE procedure for loosening the axle/hub nut when applicable. Raise the vehicle at approved lifting points, support it securely, and remove the wheel.

02

REMOVE BRAKE & RELATED COMPONENTS

Remove the brake caliper and support it without stressing the brake hose. Remove the rotor and any components necessary to access the hub. Disconnect the ABS/wheel-speed sensor connector where applicable; do not pull on the wiring.

03

DISCONNECT THE CV AXLE IF REQUIRED

Remove the axle nut and carefully move the CV axle spline out of the hub as required by the application. Protect the axle threads and splines. Do not strike the axle directly with a steel hammer.

04**REMOVE THE OLD HUB/BEARING**

For bolt-in hub assemblies, remove the mounting bolts and extract the hub from the knuckle using the correct service tools. For press-in bearings, remove retaining hardware and use an approved press with correctly sized adapters. Apply force only through the correct bearing race.

05**CLEAN & INSPECT MOUNTING SURFACES**

Remove rust, scale, and debris from the knuckle bore and mounting face without removing base material. Inspect for damage or distortion. Ensure all mating surfaces are clean, flat, and dry unless OE service information specifies otherwise.

06**INSTALL THE NEXORA HUB/BEARING**

Orient the new hub/bearing correctly. On ABS-equipped applications, verify encoder/sensor orientation before pressing or fastening. For press-in bearings, support the proper race so installation force is never transmitted through the rolling elements. Install retaining rings or hardware as specified.

07**REINSTALL AXLE & BRAKE COMPONENTS**

Carefully guide the CV axle splines through the hub where applicable. Reinstall the rotor, caliper, sensor wiring, brackets, and other removed components. Ensure wiring is routed and retained exactly as intended, away from rotating or hot components.

08**TORQUE TO OE SPECIFICATIONS**

Torque hub mounting bolts, axle/hub nut, brake fasteners, wheel fasteners, and all related hardware using the vehicle manufacturer's specified values, sequence, and procedures. Never use a generic axle-nut torque specification.

09**FINAL CHECK & ROAD TEST**

Rotate the hub/wheel by hand and check for smooth operation, abnormal play, interference, or noise. Verify ABS wiring and connectors, reinstall the wheel, and perform a controlled road test. Confirm there are no warning lights, abnormal noises, vibration, or braking concerns.

INSTALLATION WARNINGS

!	DO NOT use an impact wrench as a substitute for final torque with a calibrated torque wrench.
!	DO NOT strike the hub, bearing, axle threads, splines, or ABS encoder directly with a steel hammer.
!	DO NOT press through the rolling elements; apply installation force only to the race being fitted.
!	DO NOT damage, magnetize, contaminate, or incorrectly orient an integrated ABS encoder/seal.
!	DO NOT hang a brake caliper by the brake hose or allow sensor wiring to be stretched or pinched.
!	DO NOT reuse single-use axle nuts, hub bolts, snap rings, cotter pins, or other hardware when OE information requires replacement.
!	ALWAYS confirm correct bearing/hub seating and OE torque before returning the vehicle to service.

FINAL QUALITY CHECK

■ Correct hub/bearing application and orientation verified	■ Hub/bearing fully seated and retaining hardware installed
■ ABS encoder/sensor orientation and connector verified	■ ABS wiring routed securely with no stretch, pinch, or interference
■ Axle/hub nut and hub mounting fasteners torqued to OE specification	■ Brake components correctly installed and fasteners torqued
■ Hub rotates smoothly with no abnormal play, binding, or noise	■ Road test completed without ABS warnings, vibration, noise, or braking concerns

TECHNICAL SUPPORT

For application, fitment, or installation assistance, contact NEXORA Technical Support. Have the vehicle year, make, model, drivetrain information, VIN when appropriate, and NEXORA part number available.

PROFESSIONAL NOTE

Wheel-bearing and hub designs vary significantly. Always verify current OE service information for bearing orientation, press procedure, ABS encoder position, fastener replacement requirements, and all torque specifications before returning the vehicle to service.

PRECISION DRIVELINE PARTS, BUILT TO STAY INSTALLED.