



Installation of NRE44574 “unitized” rear main seal on John Deere Engines.



The current replacement crankshaft seals for the John Deere 300 and 350 series engines utilize an integrated wear sleeve and are called “unitized” or “cassette” type seals. These seals will be rendered unusable if they have been separated from their wear sleeves and should be discarded and replaced if this occurs. The appropriate installer tool (JDE30040 or equivalent) **MUST** be used to ensure proper seal installation.

Ensure that the seal housing and crankshaft are clean and free of nicks and burs. No lubrication of any kind should contact the seal during installation. Apply a light coat of retaining compound (Loctite 609™ or equivalent) to the leading edge of the crankshaft flange only.

Secure the pilot from the tool set to the crankshaft and make sure that the tool contacts the front face of the crankshaft so that the seal will be pressed on to the proper depth.

Carefully start the seal over the pilot and the crankshaft flange with the open side of the seal toward the engine by hand. Install the seal driver and washer and tighten until the driver bottoms on the pilot.

Remove the installer tool and pilot.

For more information, please visit our website relianceparts.com, or contact customer service (800) 776-3113.