



**BERU Diesel Start Systems Pvt.Ltd.**

## How to get the diesel to start up quickly again

The problem	The cause	The Beru solution
Smoking start, smoke development	The glow plug is too cold as it has only one coil	Use a glow plug in 2-coil technology (the heating and regulating coils guarantee a higher temperature with a shorter warm-up time)
Shuddering start phase	The glow plug has no control effect or heat reserve	Install Beru afterglow-compatible glow plugs for a better and faster supply of heat
Battery-wearing, long start	The glow plug takes too long to heat up, warm-up time too long	Install a Beru GN glow plug that is aligned precisely to suit the engine and the 3-phase glow system (pre-glow - start glow - afterglow)
Engine starts difficulty and not smoothly	The glow plug end temperature is too low	
Engine takes several attempts to start	The glow plug is defect	
Engine only starts very loudly and stinks	The electrical values of the glow plug are not set correctly	
The glow tube is melted or aged	The wall thickness of the heating rod is insufficient (often the case in cheap glow plugs)	
The glow tube has melted down	The injection nozzle is defect	Replace the nozzle holder with a Beru replaceable nozzle holder