

MANUFACTURING

The central goal behind the design of the unique NSX assembly plant in Tochigi, Japan, is to produce the highest-quality automotive product in the world.

This plant has no automated conveyor line. Rather, each car is mounted on a dolly and pushed by hand from one workstation to the next. Each team of workers is responsible for the quality of work performed at their station. The car is not passed on to the next area until the team is satisfied that their procedures have achieved the tolerances and goals required in the specifications. Each assembly station, in effect, also functions as an inspection station.

Engine assembly is also done in a unique way to ensure the highest level of assembly quality. Contrary to typical mass production procedures, each NSX engine is assembled by an individual, highly skilled technician from start to finish. This process keeps tolerances to levels that would not be possible in a mass assembly procedure and helps assure reliability and durability.

PAINTING

The NSX is painted in a 23-step paint process, including an aircraft-type chromate coating designed for use with aluminum. A waterborne paint for the base coat was developed to achieve a clearer, more vivid color and a smoother surface finish.