

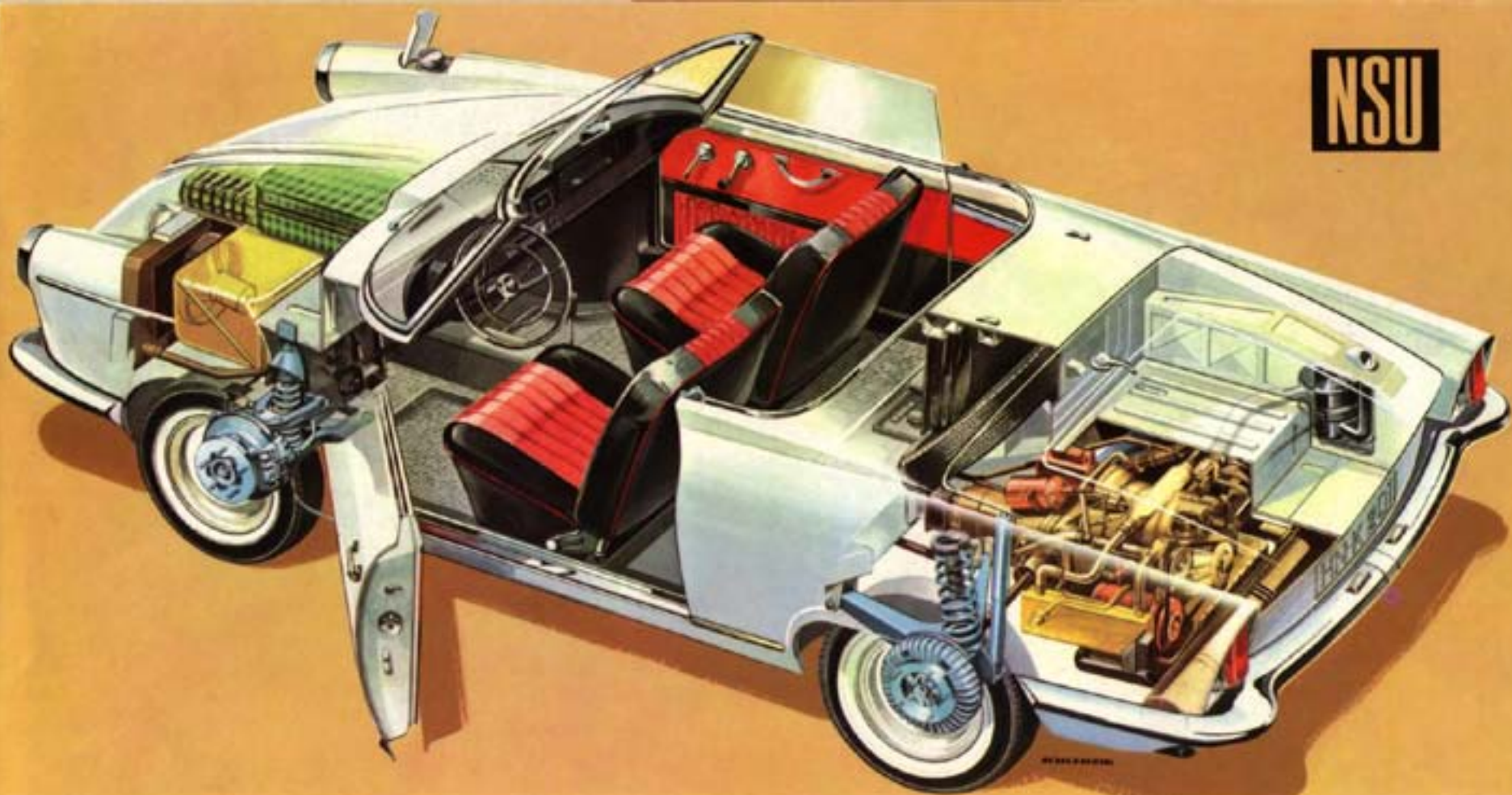
# SPIDER

NSU-



The first car  
with the

NSU/Wankel/Rotary/Piston Engine

**NSU****Top speed over 95 m.p.h.**

The first series produced car in the world to be fitted with a rotary piston engine is not a sports car by chance. The compact rear mounted drive unit develops remarkable power. It develops, running on ordinary petrol, and from a chamber size of only 500 cc., a very noticeable 64 h.p. (S.A.E.) and thus gives the NSU Spider a top speed

of over 95 m.p.h. The fully synchromesh four-speed gearbox, precise steering, scientifically designed chassis and finally the ATE Dunlop disc brakes at the front and cross-ribbed drum brakes at the rear, make sports driving with the NSU Spider a very fast but safe pleasure.

**NSU MOTORENWERKE AKTIENGESELLSCHAFT NECKARSULM (WÜRTT.)**

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## SPIDER

Every new car is claimed to be a milestone on the road of technical progress, but since our father's days, no car can justify the claim as completely as can this new car — the NSU Spider. It is the first car with a rotary piston engine — an unusual, fascinating car, with a fast beating mechanical heart which anticipates the future. A car for those people who love driving and take pleasure in overthrowing the conventional.

For eight years now, exacting NSU designers have been preparing this new type of car. They have brought the truly revolutionary invention of Felix Wankel to full maturity, so that you are now in a position to control it with your own foot on the accelerator. But, bearing in mind that it takes four years to develop an ordinary car and two year to fully mature an ordinary engine, then eight years is a comparatively short time in which to introduce a new era.

And this new age is beginning right now. It is not starting with a drawing of a rather remote dream car which promises much, but with a well thought out, elegant, efficient and roadworthy car; the NSU Spider - a sports car which justifies on the one hand the full power of the rotary piston unit and on the other hand fulfills the wishes of progressive individualists who believe that an extraordinary inside deserves an attractive outside.



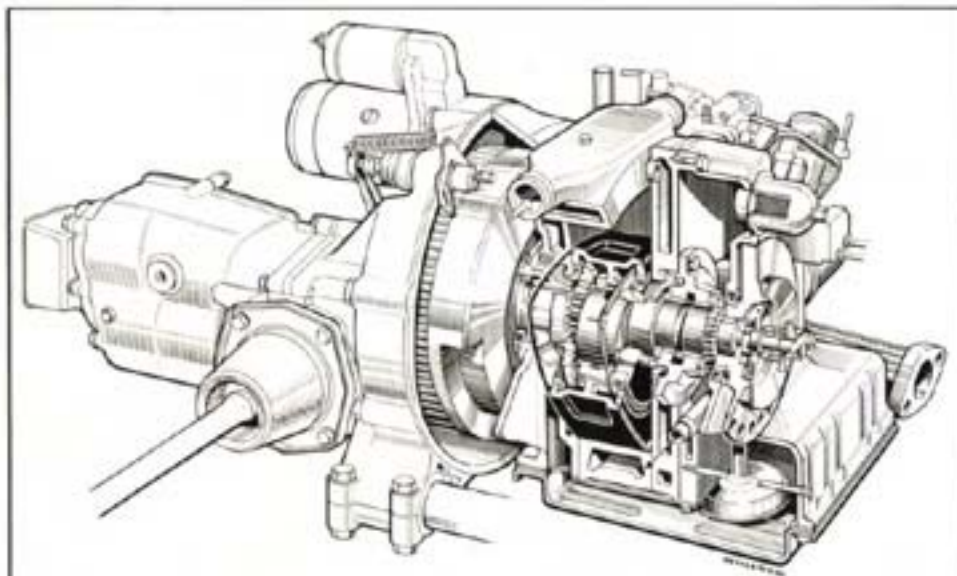


Sports car have for decades been designed for motorists who are prepared to forego comfort in order to get the last ounce of speed out of their car. The NSU Spider with its light power unit can afford to be both fast and comfortable.

For instance, the upholstery need not be made up of a thin layer of foam on an unnecessarily hard aluminium sheet, even in an efficient sports car. NSU have proved that, by saving engine weight, you can have comfortably-upholstered seats.

Take the interior fittings — these can be as concise or as expensive as NSU think fit, but they are carefully planned, right down to the last detail. You can see for yourself the interior carpet fittings, the side pockets and the door linings.

The dashboard, which is, naturally, padded and in the case of this fast car, equipped with a rev counter, is well worth noting. It proves that it is not just fittings which give a car spirit. There is a sports hood at the back of the cockpit, which is very amply proportioned for such a car. You can close it in a moment if you do not want to have open car driving. You can also choose a fixed roof, a hard-top. The body has real classic lines. It is a perfect body — fast, streamlined, elegant. A sports car with which you have an epoch-making engine.



### The principle of the rotary piston engine

A rotor revolves in an astonishingly small housing, its inertia forces fully balanced. Three edges of this rotor make constant contact with the inner wall of the housing. They divide the interior into three chambers which, because of the rotating movement, are constantly enlarging and contracting. These changes in the chambers

enable the engine to carry out all the well known working cycles of the conventional four stroke engine, that is: induction, compression, combustion, exhaust. With the rotary piston engine, three of these work cycles are carried out simultaneously. That is the explanation of the comparatively greater power.

