

# Tormenting the «Giulia»

EXPOSURE TO FROST BITE - This is refrigeration room. You must be dressed like an Arctic explorer if you want to enter: it is 30°C below zero. At this temperature the engine must still start easily, the windscreen defrost and the gaskets stay firm just as if it were Spring.





SISTANCE TO TROPICAL HEAT - This is the sun : from the torrid climate of the Sahara to the humid ites in the world can be reproduced. Even with these tions in temperature, which sometimes reach 60°C, the work must not peel and the chromes rust. The technicontrolling all these tests must be fully protected by stos clothing.

FIGHT AGAINST NOISE - This is the soundproofed room: we are in complete silence. The walls, padded all round absorb every noise and keep out any external sound. The car, with microphones placed inside it, is run on rollers at varying speeds. In this way the slightest noise can be located.





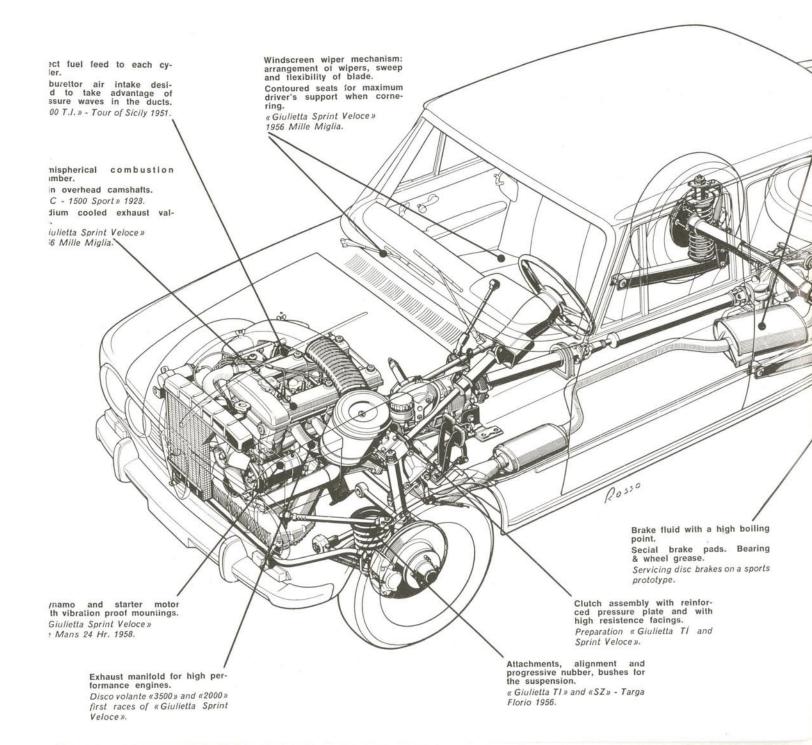


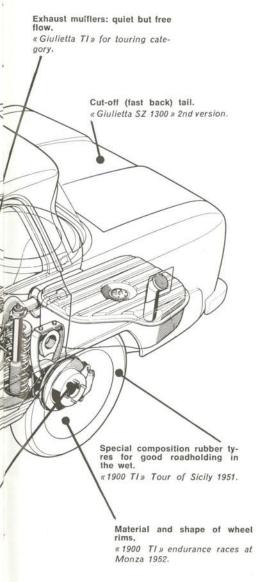


## What the «Giulia» owes to racing

It is partly true that the development of the automobile can be based only on the experience gained by racing. However, in many ways, racing is very useful and can be efficiently combined with instruments for scientific research. In addition racing, which requires a quick solution to all problems, accelerates research, stimulates the enthusiasm of those in technical departments and also that of various manufacturers of ancillary equipment. In fact, tyres, brake linings, brakes themselves, clut-

ches, pistons, valves and shock absorbers have all benefitted by numerous improvements, thanks to racing. Such improvements have also helped industries which are not directly concerned. Alfa has received and in fact is still receiving from its racing activities useful information which it then transfers to production cars. The Giulia Super is one example of incorporating parts previously used only in racing and this experience, gained by years of success in races all over the world is now available to all Giulia drivers.







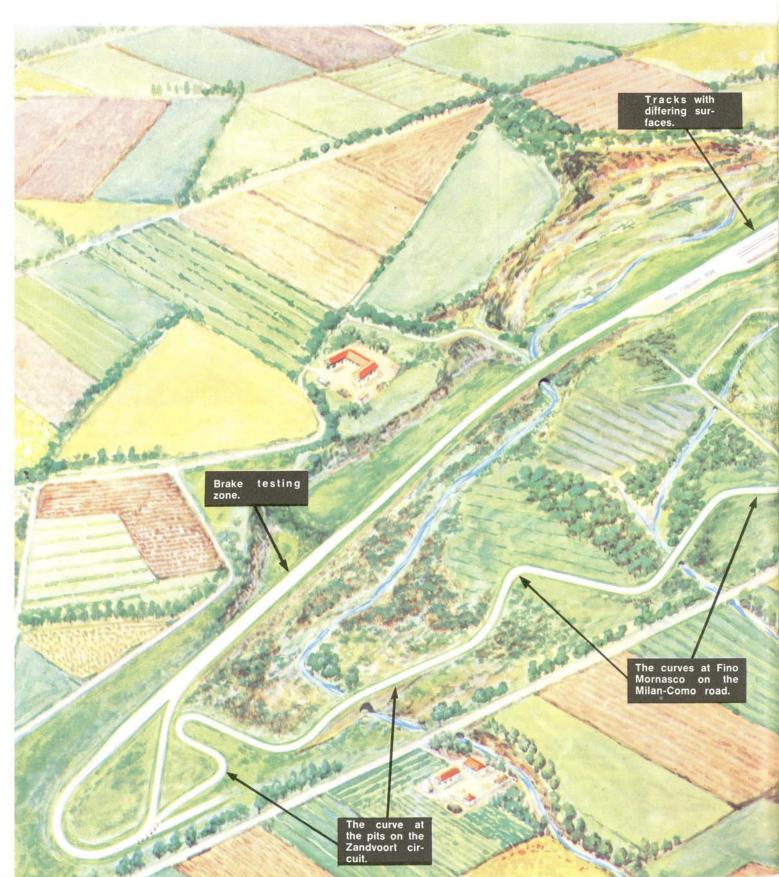
THE MAGNIFICENT SEVEN - Today, even when the majority of tests are carried out in the laboratory, it remains man's responsibility to carry out the final test and judge the handling qualities of the car on the road. It follows that, during this final and very severe test, the cars can only be entrusted to extremely experienced men, with perfect control, not to mention courage. Here are seven of the best Alfa Romeo test drivers. They have all benefitted from racing experience which has improved their reaction and put to the test their courage. The motor car is their life and the credit for the safety and performance of the Giulia must go also to them.



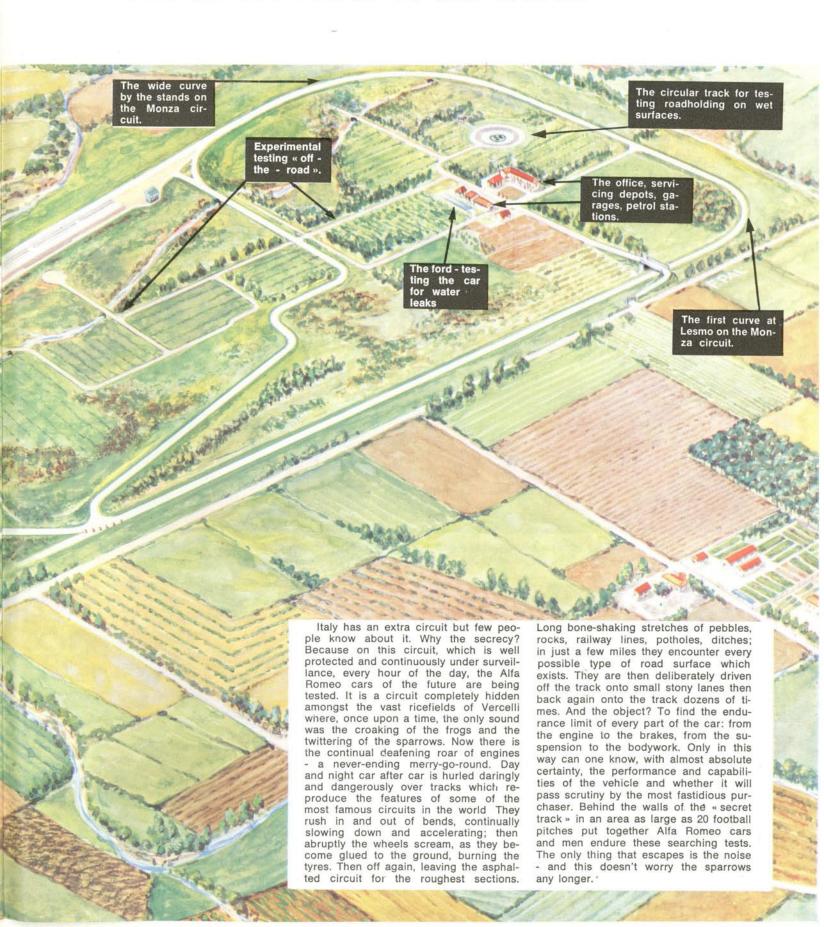
TESTS FOR A MILLION MILES - After laboratory tesis - road tests. The vehicles travel in secrecy and disguise to avoid inquisitive stares and the unwelcomed attention of hidden cameras. The car is deliberately driven over thousands of miles of the most rugged terrain to be found in Europe. Here a prototype of the Giulia is on a country road in Jugoslavia.



## On the secret track at Alfa Romeo all the



#### tests and all the roads of the world.





### A test driver's order: put them through their paces, without mercy



THE GIULIA CORRECTING A CURVE - Even on a wet road. The cornering ability is being tested an enormous circular track made of various types of asphalt which has been artificially flooded.

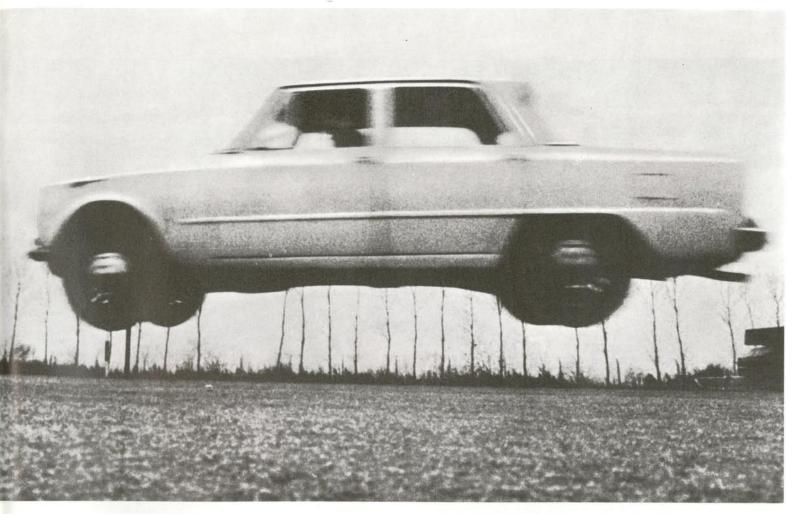


ON COBBLES - Difficult, merciless tests for the suspension and shock-absorbers are purposely card out on surfaces much rougher than any in existence in order to discover more rapidly the

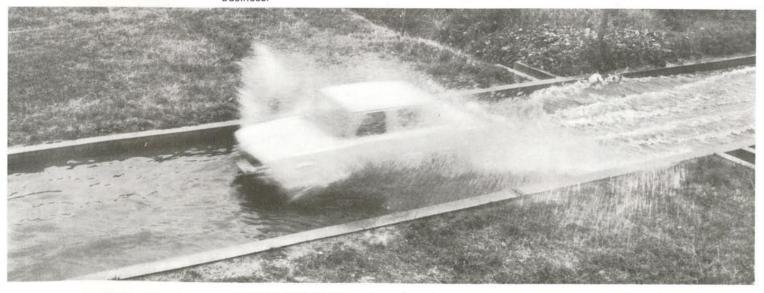


ALL THE ROADS IN THE WORLD - Swiss, Italian, Belgian: every part of the Giulia is tested to ested to destruction, then modified to eliminate the faults.

Under racing conditions, when a car reaches speeds in the region of 250 km/h, superb touring cars are the result: this is the case of the Giulia, pictured here, during some of the most spectacular tests carried out at the Alfa Romeo circuit. For these vehicles, this is the moment of truth.



FLIGHT OF THE GIULIA - Not even the most daring driver would imagine himself able to make such a jump - let alone try it. Test drivers, on the other hand, enjoy themselves: danger is their business.



**EVEN WATER SKIING** - The car must prove that it can even get safely through floods: the ford where the test is carried out, is roughly 65 yards long and 10 inches deep.



# The «men in green»: a guarantee of quality



Three years of research and testing are over - now every 90 seconds a new Giulia is born at the new factory in Arese, near Milan. Nevertheless, throughout the long, patient, unnerving hours, continuosly searching for improvements, nothing must be lost. What is the secret that guarantees the quality in production, the quality that-was attained during the experimental stages. The secret lies in inspection: very strict checks carried out with precision and continuity by teams of specially trained men: the « GREEN MEN » - so called because the colour of their overalls distinguishes them from other workmen in the factory. Posted at strategic points along

the assembly line, these men discard, ruthlessly, everything that doesn't exactly measure up to the stict standards required. The worksheet which accompanies every vehicle, from birth to warehouse must carry an O.K. for each item.

So, we come to the end of our little talk still speaking of men. In fact, notwithstanding the very high standard of automation in every department, it is always they who are the real actors in this fascinating story about the birth of a car. As we have said, motorists love Alfa Romeos - this is the best reward for all the hard work that has been done - this is what really counts.