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Helicopter spare parts and accessory is something that is of high importance to any country, because they form backbone of its air force. However commercial use of helicopters has made them an essential part of health services, corporate world, modes of supply as well as public service in cases of emergency.

Companies these days have become smarter and understand the requirements of their customer therefore are so quick to change and customize these flying machines as per requirements. You can give a shape to your ideas and let these companies manufacture a custom made chopper for you. You can customize every feature including:

â€¢ Color of the machine

â€¢ Its interiors

â€¢ Configuration of any kind to suit your need

â€¢ Up gradation in already existing helicopters

â€¢ Its avionics

Various companies offer lesser priced spare parts called exchange parts and repaired components which are as good as new. Customers can swap their damaged parts for these at very cheap cost. Looking in to commercial application of modern mean machines and their use in Hollywood movies, most companies design helicopters especially for movies.

Various designs of helicopters use different type of engines depending upon purpose for which they are going to be used. Most successful engines have been turbo shaft engines designed specially for choppers so as to provide sufficient power for their lift. Latest choppers being developed maybe containing engines running on biodiesel or other fuels like nitro-methane.

Coming to most important part of machine, its rotor which gives lifts a helicopter. Rotor designs are classified into three categories:

â€¢ Hinge less

â€¢ Fully articulate

â€¢ Teetering

Some modern day machines use a combination rather than using a single rotor.

Two types of rotors are there based on their position in chopper. One mounted horizontally on top to give vertical lift and other called tail rotor mounted vertically to give lift parallel to ground. Tail rotor also neutralizes torque experienced by machine that pulls it in the opposite direction to rotorâ€™s motion.

To counter balance the torque modern day choppers make use of two or more rotors that are placed in tandem, coaxial or intermeshing manner making machine touch the sky with its wings.

Accessory and spare part related to helicopter are innumerable, which were quite a headache to the owners in earlier times. However these days with advancing technologies and globally expanding market, it has become possible to repair and replace almost all of these.

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