

PYRO



PYRO[®]



| NAME, USAGE | MARKING |
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| Pyrocartridge PP-3 »» installed into the pyrotechnic pistol of holder bomb or into the fire extinguishers in aircrafts and helicopters | M014998-100 |



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| Pyrocartridge PP-9 »» for lock opening of aircraft cabins | M011998-100 |
| Pyrocartridge PP-GP »» installed into the PDR (pyrotechnical cylinder for pulling in shoulder safety belts) and PDB (pyrotechnical cylinder for tightening of waist safety belt) in the system VS-2 »» installed into the GP (gas generator) for ejection seats »» installed into the KVK (control panel of the variations of the catapulting sequences) to fail-safe give-and-take of binding both of seats the aircraft L-59 | M193998-100 |



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| Pyrocartridge VVPR »» installed into the VVPR (ejection cylinder bond of shoulder) of pilot by catapult | M868998-100 (120-4-2785) |
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| Pyrocartridge PP-ZGP »» source of the pressure gases for delay system touch off TVM head | M183998-100 |
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| Pyrocartridge PP-3M »» installed into the pyrotechnic products: »» URM (accelerate rocket engine) »» PDR (pyrotechnical cylinder for pulling in shoulder safety belts) »» KVK (control panel of the variations of the catapulting sequences) »» POZ (pyrotechnical cylinder for opening lock) »» located in the system of ejection seat VS-2 and blow of the overlap cover of aircraft cabin L-59 | M185998-100 |
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| Pyrocartridge PP-ZU »» installed into the electro-pyromechanical generator TVM (telescopic ejection mechanism) and into the electro-pyromechanical generator VMP (catapulting mechanism of the parachute) for touch off the mechanism weight | M186998-100 |
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| Pyrocartridge PPM-2 »» for function of locks PPO (fire fighting equipment) | M159998-100 |
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| Electro-pyro hammer EPU »» for loading of launcher tubes of signal cartridges | M015998-100 |
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| Electric primer screw EKW-23B »» for ignition of black-powder cartridges | M241998-100 |
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PYROCARTRIDGES (EXPLOSIVES ORDNANCE, FUSES)

POS[®]



PYROTECHNICAL CONTROLLING SYSTEM



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PYROCARTRIDGES

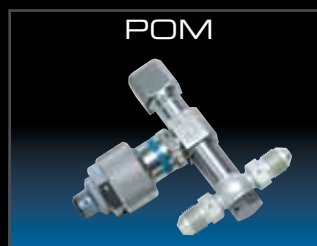
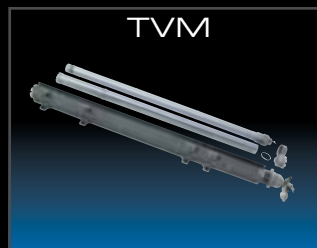
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POS

POS



| TYPE | DESCRIPTION | MARKING OF THE TYPE |
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| TVM | Telescopic ejection mechanism | TVM 871 998-8 TVM 871 998/1-8 TVM 871 998/2-8 |
| »» | Is used in case of ejecting the pilot's seat with the pilot in case of an emergency bail-out of the aeroplane, as primary driving unit, which brings out pilot's seat in secure distance from the aeroplane. | |
| GP | Gas generator | GP 870 998-8 |
| »» | Is used in case of ejection of the pilot's seat with the pilot in case of an emergency bail-out of the aeroplane, as basic source of gas pressure for pyrotechnical launch of the mechanism POM, KVK, PDR, PDB and ZGP. | |
| POM | Coupling with release safety | POM 873 998-8 |
| »» | Is used in case of ejecting the pilot's seat with the pilot in case of an emergency bail-out of the airplane, as the equipment for releasing safety of the rocket engine. | |
| VMP | Catapulting mechanism of the parachute | VMP 874 998-8 |
| »» | Is used in case of ejecting the pilot's seat with the pilot in the case of an emergency bail-out of the aeroplane as the mechanism, which shoots out the weight, which pulls out the stabilisation parachute of the pilot's seat with its energy. | |
| PDR | Pyrotechnical cylinder for pulling in shoulder safety belts | PDR 877 998-8 |
| »» | It ensures correct position of the pilot in the pilot's seat with forced tightening up of the shoulder safety belts, before ejection. | |
| PDB | Pyrotechnical cylinder for tightening of waist safety belt | PDB 879 998-8 |
| »» | It ensures, prior to ejection the correct position of the pilot in the pilot's seat with forced drawing up of the rollers of the parachute harness. | |
| ZGP | Delaying gas generator | ZGP 881 998-8 |
| »» | Is established as a re-enforcing gas supply for delayed pyrotechnical launch of the telescopic catapulting mechanism TVM. | |



| TYPE | DESCRIPTION | MARKING OF THE TYPE |
|------------|---|---------------------|
| ZGP | Delaying gas generator | ZGP 881 998-8 |
| »» | Is established as a re-enforcing gas supply for delayed pyrotechnical launch of the telescopic catapulting mechanism TVM. | |
| EPG | Gas electro - pyromechanical generator | |
| »» | These are used in case of the catapulting pilot's seat with the pilot in case of an emergency bailing out of the aeroplane as primary source of the gas pressure for launch of the POM, TVM, PDR, VMP, KVK a PNP. Marking of the types: POM EPG 872 998-8 TVM EPG 872 996-8 PDR EPG 872 994-8 VMP EPG 872 992-8 KVK EPG 872 990-8 EPG 872 990/1-8 PNP EPG 872 989-8 EPG 872 988/1-8 | |
| KVK | Control panel of the variations of the catapulting sequences | KVK 875 998-8 |
| »» | It secures functional interconnection and energy boost of the pyrotechnical connections of the catapult seats in case of ejection: a) Maximum intensity - both seats are leaving the pilot's cabin space in the sequence rear - first followed by front seat for initiation of the catapulting by the pilot of the rear seat. b) Autonomous - the pilot's seats can leave the pilot's cabin space in the arbitrary sequence, while catapulting of the one seat is not conditional by the catapulting of the other seat. c) Forced - the front seat leaves the pilot's cabin space after launch, initiated by the pilot from the rear seat. | |
| PT | Add on telescopic rod | PT 876 998-8 |
| »» | Is meant for pyrotechnical controlling system (POS), where it is used in case of the maximally intensive catapulting or forced catapulting of the front seat. | |
| POZ | Pyrotechnical cylinder for opening lock | POZ 886 998-8 |
| POZ | Pyrotechnical cylinder for opening locks | POZ 885 998-8 |
| »» | Is meant to assemble into the system of the pyrotechnical unlocking suspension of the overlap cover of the pilot's cockpit in case of the emergency blow of the overlap cover or ejection. | |
| PNP | Pyrotechnical cylinder for detaching cockpit top cover | PNP 866 998-8 |
| »» | Is meant for assembly into pyro-system, its function being to open fast the pilot's cabin space and hereby to releasing of the trajectory for the ejection seat in case that the pilot must leave an aeroplane in an emergency. | |

