

Model T56/501

TIMKEN
Where You Turn



Aerospace Aftermarket Solutions

Where You Turn[®] for Aerospace repairs and aftermarket parts.

Timken's T56/501 replacement parts and repairs deliver the highest quality with lower operating costs.

Timken, a world leader in aerospace technology, provides an unmatched offering of products and services that enhance friction management and power transmission performance for a wide range of aircraft systems. Our newly expanded aerospace aftermarket solutions group specializes in total life-cycle capabilities that span technology development, engineering, manufacturing, repair and fleet support.

Our product quality meets or exceeds industry standards, and our focused parts programs supply a steady stream of replacements to support your aircraft. Let us help you reduce MRO costs through superior technology and service.

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- Unsurpassed value.
- Unique alternatives.
- Continuing innovation.
- Integrated logistics.
- Comprehensive services.

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T56/501 Replacement Parts

BEARINGS		
OEM Part No.	Timken Part No.	Description
23055591	23055591TA	Bearing, Roller
23062342	23062342TA	Bearing, Roller Cylindrical
23064888	23064888TA	Bearing, Roller 55mm x 90mm x 26mm
23071567	23071567TA	Bearing, Roller Cylindrical
23030559	23030559TA	Bearing, Ball 20mm x 47mm x 28 mm
23030560	23030560TA	Bearing, Ball Annular 25mm x 47mm x 12mm
23030563	23030563TA	Bearing, Ball 30mm x 55mm x 13mm
23055550	23055550TA	Gear and Bearing Assembly, Planet
23057662	23057662TA	Bearing Ball 59.97mm x 110mm x 22mm
23058579	23058579TA	Bearing, Roller 35mm x 72mm x 17mm
23058581	23058581TA	Bearing, Roller, Cylindrical
23058582	23058582TA	Bearing, Ball, Annular 25mm x 215mm x 35mm
23058584	23058584TA	Bearing, Roller 160mm x 230mm x 28mm
23058585	23058585TA	Bearing, Ball, Annular 25mm x 215mm x 35mm
23058589	23058589TA	Bearing, Roller 30mm x 55mm x 13mm
23058593	23058593TA	Bearing, Roller 65mm x 106mm x 23 (27)mm
23058594	23058594TA	Bearing, Roller, Cylindrical 60mm x 110mm
23062205	23062205TA	Bearing, Roller 40mm x 68mm x 15mm
23062238	23062238TA	Bearing, Roller, Cylindrical 23mm x 55mm x 16mm
23062341	23062341TA	Bearing, Roller 17mm x 35mm x 10mm
6871077	6871077TA	Bearing, Ball 60mm x 95mm x 18mm
6894129	T6894129	Gear and Bearing Assembly, Planet
TURBINE BLADES		
OEM Part No.	Timken Part No.	Description
6875243	6875243TA	Blade, Turbine - 3rd Stage
6898061	6898061TA	Blade, Turbine - 1st Stage
6898062	6898062TA	Blade, Turbine - 2nd Stage

TURBINE VANES		
OEM Part No.	Timken Part No.	Description
23031741	23031741TA	Vane, Turbine - 2nd Stage
23031744	23031744TA	Saddle, Turbine - 1st Stage
23031745	23031745TA	Vane, Turbine - 1st Stage
23031746	23031746TA	Vane, Turbine - 1st Stage
23031747	23031747TA	Vane, Turbine - 1st Stage
23031748	23031748TA	Vane, Turbine - 1st Stage

COMPRESSOR BLADES		
OEM Part No.	Timken Part No.	Description
6809081	6809081TA	Blade, Compressor - 1st Stage
6809082	6809082TA	Blade, Compressor - 2nd Stage
6809083	6809083TA	Blade, Compressor - 3rd Stage
6809084	6809084TA	Blade, Compressor - 4th Stage
6809085	6809085TA	Blade, Compressor - 5th Stage
6809086	6809086TA	Blade, Compressor - 6th Stage
6809087	6809087TA	Blade, Compressor - 7th Stage
6809088	6809088TA	Blade, Compressor - 8th Stage
6809089	6809089TA	Blade, Compressor - 9th Stage
6809090	6809090TA	Blade, Compressor - 10th Stage
6809091	6809091TA	Blade, Compressor - 11th Stage
6809092	6809092TA	Blade, Compressor - 12th Stage
6809093	6809093TA	Blade, Compressor - 13th Stage
6809094	6809094TA	Blade, Compressor - 14th Stage

COMPRESSOR VANES		
OEM Part No.	Timken Part No.	Description
6859601	T6859601	Vane Assembly, Complete 1st Stage
6859602	T6859602	Vane Assembly, Complete 2nd Stage
6859603	T6859603	Vane Assembly, Complete 3rd Stage
6859604	T6859604	Vane Assembly, Complete 4th Stage
6859605	T6859605	Vane Assembly, Complete 5th Stage
6859606	T6859606	Vane Assembly, Complete 6th Stage
6859607	T6859607	Vane Assembly, Complete 7th Stage
6859608	T6859608	Vane Assembly, Complete 8th Stage
6859609	T6859609	Vane Assembly, Complete 9th Stage
6859610	T6859610	Vane Assembly, Complete 10th Stage
6859611	T6859611	Vane Assembly, Complete 11th Stage
6859612	T6859612	Vane Assembly, Complete 12th Stage
6859613	T6859613	Vane Assembly, Complete 13th Stage
6789474	T6789474	Vane Assembly, Complete 14th Stage

GEARS, SHAFTS AND MISC.		
OEM Part No.	Timken Part No.	Description
23001425	T23001425	Gear, Spur-Internal Spline
23005956	T23005956	Starter Shaft Assembly
6716336	6716336TA	Gear Assembly-Auxiliary Pressure Oil Pump Idler

GEARS, SHAFTS AND MISC., cont.		
OEM Part No.	Timken Part No.	Description
6723179	6723179TA	Gear, Scavenge Pump Drive
6824043	T6824043	Gear-Spur, Tach and Oil Pump Drive
6824044	T6824044	Gear-Spur, Pump Drive Idler
6829388	6829388TA	Gear, Spur-Nose Scavenge Pump Drive
6876478	6876478TA	Gearshaft, Spur-Pump Drive
23003503	23003503TA	Lock, Spline-Prop Shaft Thrust Nut
23053857	23053857TA	Seal, Laby Rotating Compr. Rear-Primary
540338	540338TA	Ring, Seal Groove, Speed Gov
6723227	6723227TA	Bushing .556 ID x .6895 OD x .375 LG
6737045	6737045TA	Nut-Spanner 2.3600-16 Uns3B Thd-lefthand
6738451	6738451TA	Ring-Safety Coupling Spherical External
6780888	6780888TA	Bushing 1.240 ID x 1.509 OD x .552 LG-Flanged
6787878	6787878TA	Shaft, Idler Pump Gear
6788713	6788713TA	Lock, Prop Shaft Thrust Nut
6789398	T6789398	Plug Assembly - Starter Shaft
6789877	T6789877	Coupling Turbine Rear Scav. Pump Drive
6792040	6792040TA	Cone, Inner Prop Brake
6792257	6792257TA	Flange-Compr. Rear, Bearing Seal
6794399	6794399TA	Shaft-Coupling Outer Member
6805748	T6805748	Gasket-Turbine Inlet Thermocouple
6823502	6823502TA	Housing-Coupling
6824478	6824478TA	Cone Assembly - Inner Front Exhaust
6829556	T6829556	Mount Assembly, Igniter Ferrule
6829670	T6829670	Member, Safety Coupling - Outer
6841117	T6841117	Seat, Spring-Safety Coupling
6841158	6841158TA	Seal, Labyrinth-Turbine Front Bearing
6842119	T6842119	Member, Safety Coupling - Intermediate
6842120	T6842120	Member, Safety Coupling - Inner
6844614	6844614TA	Seal, Lab. Turbine
6844778	6844778TA	Bolt Assembly, Turbine to Compressor - Tie
6845277	T6845277	Seal, Labyrinth-Rotor, Inner
6845945	6845945TA	Bolt, Tie - Compressor
6846518	T6846518	Ferrule, Fuel Nozzle
6846747	T6846747	Shaft Assembly, Drive Tachometer
6847330	T6847330	Seal, Labyrinth - Turbine Front Bearing
6847913	T6847913	Pin, Shouldered, Headless
6857509	T6857509	Tube, Crossover
6859014	T6859014	Key, Turbine Casing Piloting-Front
6859371	T6859371	Seat, Check Valve
6870701	6870701TA	Nozzle, Oil - .070 Diameter Orifice
6871659	6871659TA	Bushing, .366 ID x .502 OD x .365 Long
6873624	6873624TA	Vane Assembly, Compr Air Inlet - Anti-Icing
6873625	6873625TA	Anti-Icing Vane Airfoil

GEARS, SHAFTS AND MISC., cont.		
OEM Part No.	Timken Part No.	Description
6876196	T6876196	Seat, Spring Safety Coupling
6876198	T6876198	Spacer, Safety Coupling Seat
6876865	6876865TA	Liner Assembly, Transition
6877738	6877738TA	Grommet Assembly, Thermocouple
6892292	6892292TA	Flange-Tube, Rear Turbine Bearing Oil
6894068	6894068TA	Liner Assembly, Combustion
6897646	T6897646	Seal, Labyrinth - Turbine Rear
6825237	6825237TA	Shaft Assembly, Hydraulic Pump Drive
6829392	6829392TA	Gear, Spur - Hydraulic Pump Idler Drive
6829398	6829398TA	Gear, Spur - Scavenge Pump Drive
6846363	6846363TA	Gear, Spur - Main Idler
6850825	6850825TA	Gear, Spur - Oil Pump Drive
23004641	23004641TA	Cage, Bearing
23004642	23004642TA	Cage, Bearing
23004643	23004643TA	Cage, Bearing
23004644	23004644TA	Cage, Bearing
23004645	23004645TA	Cage, Bearing
23005930	23005930TA	Elbow, Tube-3 Way Flared Tube and Bulkhead
6716337	6716337TA	Gear - Aux Pressure Oil Pump Idler
6784960	6784960TA	Insert - Scr Thd 3/4-16 x 15/16-20 x .750
6788225	6788225TA	Gear - Scav Pump Drive (Pinion)
6792069	6792069TA	Plug - Extension Shaft Coupling
6875350	6875350TA	Gasket, Metallic U-Ring
6875351	6875351TA	Seal, Crush
6852412	6852412TA	Blade, Turbine - 4th Stage
23009372	23009372TA	Casing, Turbine Vane
6783834	6783834TA	Sleeve



Bearing Repair Services

Part Number	Description
2496804	Accessory Ball Bearing Riveted
6784716*	Ball Bearing in Power Sec. Compressor Assembly
6784726*	Ball Bearing in Power Sec. Compressor Assembly
6784727*	Ball Bearing in ACC Drive Housing Assembly
6784737*	Ball Bearing in ACC Drive Housing Assembly
6784747*	Ball Bearing in ACC Drive Housing Assembly
6784767*	Ball Bearing in ACC Drive Housing Assembly
6784777*	Ball Bearing in ACC Drive Housing Assembly
6794727	Accessory Ball Bearing Riveted
6815248*	Ball Bearing in Coordinator Control Assembly
6821328*	Roller Bearing in Torquemeter & Anti-icing Shroud
6824614*	Main Roller Bearing
6824762	Roller Bearing in Torquemeter & Anti-icing Shroud
6825266*	Roller Bearing in Reduction Gear Assembly
6825699*	Roller Bearing in Reduction Gear Assembly
6825802	Roller Bearing in Reduction Gear Assembly
6825830*	Roller Bearing in Reduction Gear Assembly
6828463	Main Ball Bearing
6829354*	Main Roller Bearing
6829358*	Roller Bearing in Reduction Gear Assembly
6829360*	Roller Bearing in Reduction Gear Assembly
6829371*	Roller Bearing in Reduction Gear Assembly
6829373	Roller Bearing in Reduction Gear Assembly
6829374	Roller Bearing in Reduction Gear Assembly
6841336	Roller Bearing in Reduction Gear Assembly
6842372*	Roller Bearing in Reduction Gear Assembly
6845263*	Roller Bearing in Reduction Gear Assembly
6845296	Main Roller Bearing
6845297	Main Roller Bearing
6846258	Ball Bearing in Power Sec. Compressor Assembly
6846259	Ball Bearing in Power Sec. Compressor Assembly
6846266	Roller Bearing in Unit Assembly Turbine Module
6846298	Ball Bearing in Power Sec. Compressor Assembly
6846717	Ball Bearing in Power Sec. Compressor Assembly
6848148	Ball Bearing in Power Sec. Compressor Assembly
6849405	Ball Bearing in Reduction Gear Assembly
6849406	Main Ball Bearing
6850345*	Roller Bearing in Reduction Gear Assembly
6850348	Roller Bearing in Unit Assembly Turbine Module
6850349*	Roller Bearing in Power Sec. Compressor Assembly
6850506	Roller Bearing in Turbine Unit Assembly
6854949	Roller Bearing in Unit Assembly Turbine Module
6859078	Ball Bearing in Power Sec. Compressor Assembly

Part Number	Description
6859094	Ball Bearing in Power Sec. Compressor Assembly
6870977*	Main Roller Bearing in Reduction Gear Assembly (ACC Drives)
6871077*	Ball Bearing in Power Sec. Compressor Assembly
6871201*	Roller Bearing in Torquemeter & Anti-icing Shroud
6871643	Ball Bearing in Power Sec. Compressor Assembly
6871645*	Roller Bearing in Reduction Gear Assembly
6871646*	Roller Bearing in Reduction Gear Assembly
6871647*	Main Roller Bearing
6871650*	Roller Bearing in Reduction Gear Assembly
6873220*	Roller Bearing in Power Sec. Compressor Assembly
6873232*	Main Roller Bearing
6873233*	Main Roller Bearing
6873732*	Roller Bearing in Reduction Gear Assembly
6873747	Accessory Roller Bearing
6873748	Accessory Roller Bearing
6874504	Ball Bearing in ACC Drive Housing Assembly
6875356	Ball Bearing in Power Sec. Compressor Assembly
6875875*	Accessory Roller Bearing
6876006*	Main Roller Bearing
6876007	Roller Bearing in Reduction Gear Assembly
6876012*	Accessory Bearing
6876298*	Accessory Bearing
6878485	Roller Bearing in Reduction Gear Assembly
6886706	Main Ball Bearing
6887095	Accessory Roller Bearing
6889326	Accessory Ball Bearing
6890540	Accessory Roller Bearing
6890541	Accessory Roller Bearing
6890542*	Main Roller Bearing
6890543*	Main Roller Bearing
6893002	Accessory Ball Bearing
6893094	Accessory Roller Bearing
6894129*	Gear Type Roller Bearing
6898606	Accessory Ball Bearing
23004654*	Accessory Roller Bearing
23009670	Accessory Ball Bearing
23030559*	Ball Bearing in Power Sec. Compressor Assembly
23030560*	Ball Bearing in ACC Drive Housing Assembly
23057662	Ball Bearing in Power Sec. Compressor Assembly
23058591	Roller Bearing in Power Sec. Compressor Assembly
23058593	Roller Bearing in Turbine Unit Assembly
23058594	Roller Bearing in Turbine Unit Assembly
23071567	Main Roller Bearing

* Part Numbers with (*) can only be inspected at this time.

This represents a partial listing of services and replacement parts available for this engine type, and this offering is subject to change. Please call the Timken aerospace aftermarket solutions group at the numbers below for information on part numbers and services not listed.

To learn more about Timken Aerospace Aftermarket Solutions, visit www.timken.com/aeroAMSolutions.

For information regarding replacement components and repair, call 480.606.3130 (fax 480.635.0059). For bearing repair services, call 714.484.2400 or toll free in U.S. 800.416.8881 (fax 714.484.2418).



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