

# Rolls-Royce Corporation 501-D36

# COMMERCIAL ENGINE BULLETIN (CEB)

# Technical Publications Index

**August 8, 2019** 

#### COMMERCIAL ENGINE BULLETIN INDEX

Bulletin No.	<u>Subject</u>	Compliance	<u>Published</u>	Revised	
72- ENGINE					
72-2001	Engine - 6th-Stage Compressor Wheel - Rework	Recommended at Next Overhaul	11-01-66		
72-2002	Engine - Thru the Turbine Rotor Venting - Add	Recommended at Next Overhaul	03-01-67	No. 1, 02-24-69	
72-2003	Cancelled Prior to Publication				
72-2004	Cancelled Prior to Publication				
72-2005	Cancelled Prior to Publication				
72-2006	Cancelled Prior to Publication				
72-2007	Engine - Compressor Diffuser and Secondary Labyrinth Seal Strator -Rework	Recommended at Next Overhaul	02-10-67	No. 1, 07-05-68	
72-2008	Engine - Oil Filter Check Valve - Modify	Recommended No Later Than Next Overhaul	01-06-67		
72-2009	Engine - Rear Turbine Bearing Oil Seal - Rework	Recommended When Knife Wear or Damage on the 6783785 Seal Exceeds Overhaul Manual Limits	04-10-67 ;	No. 2, 11-14-72	
72-2010	Engine - Front Compressor Bearing Separator - Replace	Comply When Original Separator is Rejected, and Stock of Replacement Bronze Separators is Exhausted	12-16-66	No. 2, 12-01-67	
72-2011	Cancelled Prior to Publication				
72-2012	Cancelled Prior to Publication				
72-2013	Engine - Turbine Rotor Assembly - Modify 1st- and 2nd-Stage to Stalk Blade Configuration	Recommended at Next Overhaul	11-16-72		
72-2014	Engine - Lighthouse O-Ring Grooves - Remachine	Recommended at Next Overhaul	12-27-67	No. 1, 05-01-68	
72-2015	Engine - Turbine Front Bearing Area - Modify	Recommended at Next Overhaul	09-09-69		
72-2016	Engine - Turbine Rear Bearing Oil Seal - Rework	Recommended at Next Overhaul	09-05-69		
72-2017	Engine - Turbine Vane Support Thru Bolts - Install	Recommended at Next Overhaul	04-21-69	No. 1, 09-11-70	
72-2018	Engine - Accessory Drive Housing Bearing-Baffle - Add	Recommended at Next Overhaul	03-25-69		
72-2019	Cancelled Prior to Publication				
72-2020	Engine - Reduction Gear Main Scavenge Oil Pump - Install Bushings in Cast Iron Body and Plate Assemblies	Install as Required	05-15-69	No. 2, 02-17-70	
72-2021	Engine - Reduction Gear Nose Scavenge Oil Pump - Install Bushings in Cast Iron Body and Plate Assemblies	Install as Required	05-15-69	No. 1, 12-04-69	

**501-D36 INDEX** 

#### COMMERCIAL ENGINE BULLETIN INDEX

Bulletin No.	Subject	<u>Compliance</u>	<u>Published</u>	Revised
72- ENGINI	<u> E (Continued)</u>			
72-2022	Reduction Gear - Main Oil Pump and Filter Assembly - Rework	To be Accomplished on a "Use Stock" Basis	09-16-71	No. 1, 03-25-74
72-2023	Cancelled Prior to Publication			
72-2024	Cancelled Prior to Publication			
72-2025	Engine - Turbine Front and Rear Bearings - Rework	Recommended at Next Overhaul	09-09-69	
72-2026	Engine - Reduction Gear Accessory Drive Bearing Cages - Replace	CANCELLED		
72-2027	Engine - Compressor Front Labyrinth Seal - Change Venting System	Recommended No Later Than Next Overhaul	06-05-69	
72-2028	Engine - Reduction Gear-Propeller Shaft - Rework	Recommended No Later Than Next Overhaul	11-21-69	No. 1, 03-11-71
72-2029	Engine - Reduction Gear, Locked Races for Main Drive, Rear Carrier and Front Pinion Bearings - Add	Recommended at Next Overhaul	05-01-72	No. 3, 09-25-73
72-2030	Engine - Reduction Gear, Prop Shaft Thrust Bearing - Add Lock for Outer Race	Recommended at Next Overhaul	05-15-72	
72-2031	Reduction Gear - Rear Pinion Bearing and Rear Housing Rework	Recommended at Next Overhaul	12-15-71	No. 2, 01-11-74
72-2032	Engine - Compressor Vane Assembly Air Seals - Replace	Accomplish when Old Seals must be Replaced and Stock of Silver Seals is Exhausted	12-14-71	
72-2033	Cancelled Prior to Publication			
72-2034	Diffuser Oil Sump Screen - Install	To be Accomplished No Later Than Next Overhaul	09-01-70	No. 1, 05-01-72
72-2035	Compressor - Diffuser Scavenge Oil Sump Tube - Replace	To be Accomplished No Later Than Next Overhaul	08-20-71	
72-2036	Reduction Gear-Main Drive Gear Bearing Bore-Enlarge	CANCELLED, Replaced by CEB 72-2041		
72-2037	Engine - Compressor 14th-Stage Wheel - Replace	Superceded by CEB 72-2087	12-20-71	No. 2, 08-10-99
72-2038	Engine - Inner Rear Exhaust Cone Self-locking Nut - Replace	Accomplish No Later Than Next Overhaul	11-08-71	No. 1, 01-21-77
72-2039	Cancelled Prior to Publication			
72-2040	Engine - Accessory Drive Main Pressure and Scavenge Oil Pump Pressure Regulating Valve - Modify	Suggest on a "Use Stock" Basis	02-25-72	No. 1, 04-13-73
72-2041	Reduction Gear - Main Drive Gear Bearing Bore - Enlarge	Suggest at Next Overhaul	03-25-74	No. 2, 07-00-90
72-2042	Engine - Reduction Gear, Tacho- meter Bearing Oil Tube - Add	Recommended at Next Overhaul	10-04-74	No. 2, 08-28-75
72-2043	Engine Reduction Gear, Main Drive Gear - Molybdenum Spray	At Next Overhaul	05-01-81	No. 5, 07-15-92

**501-D36 INDEX** 

#### COMMERCIAL ENGINE BULLETIN INDEX

Bulletin No.	<u>Subject</u>	<u>Compliance</u>	<u>Published</u>	Revised	
72- ENGINE (Continued)					
72-2044	Engine - Reduction Gear, Tacho- meter Drive Bearing - Replace	Recommended at Next Overhaul	10-11-74	No. 1, 04-26-76	
72-2045	Engine - Reduction Gear, Sun Gear Flange Hub - Rework	Accomplish Concurrently with CEB 72-2041	04-03-75	No. 2, 08-20-87	
72-2046	Engine - Alternator Shaft - Replace	Recommended at Next Overhaul	11-11-75	No. 1, 02-27-78	
72-2047	Engine - Hydraulic Pump Drive Shaft - Replace	Recommended at Next Overhaul	11-11-75	No. 1, 02-27-78	
72-2048	Engine - Reduction Gear, Negative Torque Signal Actuator Rod - Delete	Suggested at Overhaul at Option of Operator	01-30-78	No. 2, 08-10-84	
72-2049	Engine - Starter Shaft - Replace	Recommended at Next Overhaul	11-24-75	No. 1, 02-27-78	
72-2050	Engine - Reduction Gearbox, Starter Drive Shaft Bearing Flange - Rework	Recommended at Overhaul	03-21-78	No. 1, 12-14-79	
72-2051	Engine - Combustion Chamber Inner Casing Assembly - Rework	Suggested at Overhaul as Required	12-20-77		
A-72-2052	Engine - Reduction Gear Propeller Shaft Thrust Nut Cuplock - Add	ALERT at Next Overhaul or Repair at a Facility with Overhaul Capabilities	04-16-82	No. 1, 06-30-82	
72-2053	Engine - Reduction Gear Rear Housing Oil Seal - Add	At Next Overhaul	07-15-82	No. 1, 05-20-83	
72-2054	Engine - Rear Carrier Bearing Inner Race Locking Keys - Replace	At Next Overhaul	02-20-81	No. 1, 09-30-81	
72-2055	Engine - Accessory Drive Housing Union - Replace	At Next Overhaul	08-31-80	No. 2, 01-00-89	
72-2056	Engine - Power Section Control Assembly, Diffuser Bleed Port Flange Cap - Replace	At Next Overhaul	03-16-84		
72-2057	Cancelled Prior To Publication				
72-2058	Engine - Compressor Diffuser Sump Baffle - Add	At Next Overhaul	04-22-81	No. 1, 05-15-81	
72-2059	Cancelled Prior to Publication				
72-2060	Engine - Reduction Gearbox Oil Pump Valve Shaft - Rework and Replace	At Next Overhaul	02-15-85	No. 1, 08-00-90	
72-2061	Engine - Reduction Gear Side Mount Screw Bushings - Replace	Customer Option	05-23-83	No. 2, 05-18-01	
72-2062	Cancelled Prior to Publication				
72-2063	Cancelled Prior to Publication				
72-2064	Engine - Starter Drive Shaft, Internal Spline Lubrication - Add	At Next Overhaul	03-14-85		
72-2065	Engine - Combustion Liner Crossover Tube Clamps - Add	At Next Overhaul	10-01-84		
72-2066	Engine - Turbine Assembly, Rear Bearing Support Cone Assembly - Service Repair	At Overhaul on an "As Required" Basis	03-13-85	No. 2, 9-15-98	

**501-D36 INDEX** 

June 1, 1993 Revised Aug 8, 2019

#### COMMERCIAL ENGINE BULLETIN INDEX

Bulletin No.	<u>Subject</u>	Compliance	<u>Published</u>	Revised
72- ENGINI	E (Continued)			
72-2067	Cancelled Prior to Publication			
72-2068	Engine - Power Section and Re- duction Gear Main Oil Filter Cover Assemblies - Puller Holes- Add	"As Required" at Next Overhaul	08-10-84	
72-2069	Engine - Reduction Gear Assembly, Prop Shaft Thrust Nut Lock Cup Lock - Rework	At Next Overhaul	10-05-84	
72-2070	Engine - Spline-Turbine, Starter Shaft 3/4 In. Drive - Replace	Comply at Earliest Opportunity	03-20-86	
72-2071	Engine - Turbine Vibration Pickup Mount - Add	At Next Overhaul	07-14-86	No. 3, 08-23-99
72-2072	Engine - Reduction Gear Assembly Tachometer Drive Idler Gear - Shot Peen	"As Required" at Next Overhaul	12-22-86	No. 3, 10-23-00
72-2073	Reduction Gear Assembly Safety Coupling Intermediate - Inspect	Recommeded at Next Overhaul	09-15-91	
72-2074	Engine - Inspection of Rear Compressor Bearing (6846298)	Immediately	06-11-92	
72-2075	Engine - Reduction Gearbox Main Drive Gear, Serviceability Criteria	At Next Overhaul or Major Repair	09-30-92	No. 1, 02-12-01
72-2076	Engine - 15 Micron Pressure Oil Filter, Installation	Replace on Attrition Basis Repair	03-31-95	
72-2077	Engine - 5th-Stage Compressor Blades Inspection Requirements		09-30-93	
72-2078	RGB - Planet Journal Plugs	Recommended at Next Shop Visit	08-16-01	
72-2079	Engine - Air Inlet Housing, Inspection/Rework	Next Shop Visit or When Engine is Removed for Maintenance	03-15-92	No. 4, 03-11
72-2080	Rear Carrier Bearing (P/N 6871650) Inspection	Recommended at Next Overhaul or Major Repair	01-26-98	No. 1, 12-10-02
72-2081	Approved Liquid Gas Path Cleaners - Motoring Wash	Comply at Earliest Opportunity	02-01-98	No. 2, 08-25-14
72-2082	Compressor Inlet Blockage	Recommended at Intermediate and Overhaul Maintenance Activities	02-01-98	
72-2083	Oil Foaming	Recommended at Organizational, Intermediate and Overhaul Maintenance Activities	, 02-01-98	No. 1, 04-06-18
72-2084	T56/501D Solid State Amplifier Adjustment	Recommended at Adjustment of TD Amplifier	01-26-98	No. 1, 06-01-98
72-2085	Compressor Air Inlet Housing Inspection/Rework	CANCELLED, Superceded by CEB 72-2079		
72-2086	Rear Compressor Bearing P/N 23057662	Recommended at Next Shop Visit	05-14-99	No. 1, 05-05-00
72-2087	Torquemeter Mid-Bearing PN 23064888	Recommended at Next Shop Visit	05-14-99	No. 2, 03-14-11

**501-D36 INDEX** 

#### COMMERCIAL ENGINE BULLETIN INDEX

Bulletin No.	<u>Subject</u>	Compliance	Published	Revised
72- ENGINE	E (Continued)			
72-2088	14th Stage Compressor Wheel Silver/Indium Plating Replacement	Recommended at Next Overhaul	08-10-99	No. 2, 07-20-00
72-2089	New Prop Shaft Seal Kit (P/N 23053159)	Recommended at Next Shop Visit	09-11-00	
72-2090	Custom 450 1st-stage Compressor Vane Assembly, P/N 6878361	Optional	05-12-08	
72-2090	Reduction Gearbox (RGB) Carrier Oil Delivery Flange & Sun Gear Lube Tube Assembly Rework	Recommended at Next Shop Visit	05-12-08	
72-2090	Reduction Gearbox Assy - Pinion Shaftgear Inspection	Recommended at Next Shop Visit	04-30-10	
72-2095	Reduction Gearbox Assembly- Two-F	liece Starter Driv Shaft Seal	01-29-16	
72-2098	Engine - Suspect External Scavenge Oil Pump Assembly P/N 6846567 Inspection for End Face Clearance of Internal Gears		04-09-14	No. 1, 08-22-14
73- ENGINE	FUEL AND CONTROL			
73-2001	Engine Fuel and Control - Fuel Control Thermostat - Replace	Recommended When Stock of 330003 Thermostat Assembly is Exhausted	09-27-76	
73-2002	Engine Fuel and Control - Speed Sensitive Control Drive Shaft, Nylon Sleeve - Add	Recommended at Next Overhaul	02-12-70	
73-2003	Engine Fuel and Control - Rework of P <sub>t</sub> 2 Lever	Recommended at Next Overhaul	08-28-68	
73-2004	Engine Fuel and Control - Thermostat Probe Mounting	Recommended at Next Overhaul	01-23-69	No. 2, 02-05-75
73-2005	Engine Fuel and Control - Front Body Fuel Seal Retaining Web- Rework	At Overhaul As Required	01-09-70	
73-2006	Engine Fuel and Control Metering Valve Collar - Rework	At Overhaul As Required	01-09-70	
73-2007	Engine Fuel and Control - Speed Sensitive Drive Coupling - Replace	At Overhaul on a "Use Stock" Basis	08-15-73	No. 1, 07-15-80
73-2008	Engine Fuel and Control - Fuel Metering Valve Spring Nylon Snubbing Block - Add	At Next Overhaul	10-04-76	
73-2009	Engine Fuel and Control Fuel Control Thermostat Capillary Tube - Replace	Accomplish on a "Use Stock" Basis	11-13-79	
73-2010	Engine Fuel and Control - Elect Temperature Datum Control Amp Chopper - Replace	Recommended When Stock of Mechanical Choppers are Exhausted	10-24-79	
73-2011	Fuel Nozzle Holding Fixture - Rework	At First Opportunity	08-15-78	
73-2012	Cancelled Prior to Publication			

**501-D36 INDEX** 

June 1, 1993 Revised Aug 8, 2019

#### COMMERCIAL ENGINE BULLETIN INDEX

Bulletin No.	Subject	Compliance	<u>Published</u>	Revised	
73- ENGINE FUEL AND CONTROL (Continued)					
73-2013	Engine Fuel and Control -	At Next Overhaul	03-05-88	No. 1, 09-01-90	
73-2014	Anti-Icing Air Tube Probe - Replace Engine Fuel and Control - Thrust Sensitive System Carbon Switch Assembly, Wire Clamps - Add	No Later Than Next Overhaul	09-30-86	No. 2, 06-00-88	
A-73-2015	Engine Fuel and Control Thrust Sensitive System Assembly - Functional Check	Refer to Bulletin	06-30-86	No. 1, 12-22-86	
73-2016	Engine Fuel and Control - Shrouded Anti-Ice Probe - Rework	To be Accomplished Concurrently with CEB 73-2013	07-00-88	No. 2, 03-31-08	
73-2017	Cancelled Prior To Publication				
73-2018	Cancelled Prior to Publication				
73-2019	Turbine Engine Main Fuel Control, New Service Limits for Governor Shafts	Recommended at Next Overhaul or Repair	09-01-90	No. 2, 05-19-98	
73-2020	Fuel Nozzle Upgrade Instructions	At Next Overhaul	09-25-06	No. 2, 10-27-14	
73-2021	New Fuel Nozzle Body, P/N 154866	At Next Overhaul	09-25-06		
74- IGNITIO	<u>DN</u>				
74-2001	Ignition - New Solid State Ignition Relay P/N 23090200	Optional	08-22-14		
<u>75-AIR</u>					
75-2001	Air-Speed Sensing Valve Air Line Filter - Replace	Recommended at Next Overhaul	05-12-67		
75-2002	Cancelled Prior to Publication				
75-2003	Cancelled Prior to Publication				
77-ENGINE INDICATING					
77-2001	Engine Indicating - Thermocouple Harness - Replace	Recommended at Next Overhaul	02-22-68		
77-2002	Torquemeter Indicator Assembly - Modification	Recommended No Later Than Next Overhaul	11-05-69		