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PowerFlite® PMA Parts Catalog 2011


Alternator Bearings

AC Part Number	Approved Replacement For	Eligibility
642438AC Needle Bearing 	Teledyne Continental Motors Part No. 642438 as used in TCM alternators: 646843, 24V60A 646490, 24V60A 642055, 24V60A 649304, 24V100A 646491, 24V100A 642056, 24V100A	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators
646492AC Single Row Ball Bearing	Teledyne Continental Motors Part No. 646492 as used in TCM alternators: 646843, 24V60A 646490, 24V60A 642055, 24V100A	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators
646495AC Single Row Ball Bearing	Teledyne Continental Motors Part No. 646495 as used in TCM alternators: 649304, 24V100A 646491, 24V100A 642056, 24V100A	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators
X-3626AC Single Row Ball Bearing	Kelly Aerospace Power Systems Part No. X-3626A as used in Kelly alternators: ALV-8511 ALV-8512 ALV-9510	Textron Lycoming 360, 540, 720 series Teledyne Continental Motors IO-520-A, IO-520-C, TSIO-520-E, GTSIO-520-C with ALV 9510; IO-470-V with ALV-8511 Raytheon Aircraft Company - Beechcraft E55, E55A, 58, 58A with ALV-9510
X-4086AC Single Row Ball Bearing	Kelly Aerospace Power Systems Part No. X-4086 as used in Kelly alternators: ALV-6403 ALV-8402 ALV-8511, -8512 ALV-9401, -9405 ALV-9406, -9407 ALV-9510	Textron Lycoming 360,540,720 series, TIGO-541, VO-435; Teledyne Continental Motors IO-520-A, IO-520-C, TSIO-520-E, GTSIO-520-C with ALV 9510; IO-470-V with ALV-8511 Raytheon Aircraft Company Beechcraft E55, E55A, 58, 58A with ALV-9401, ALV-9510
X-4087AC Single Row Ball Bearing	Kelly Aerospace Power Systems Part No. X-4087 as used in Kelly alternators: ALT-9405 ALT-9422, -9522 ALU-9404, -9422, -9522 ALV-6403 ALV-8402 ALV-9401, -9405 ALV-9406, -9407 ALX-9404 series ALX-9405 ALX-9422 series ALX-9522 ALX-9424, -9524	Textron Lycoming 360,540,720 series, TIGO-541 VO-435, GO-480. Teledyne Continental Motors IO-520, IO-550, TSIO-520, and GTSIO-520 series with gear driven alternator ALU-9522, ALX-9522, ALX-9524; Raytheon Aircraft Company Beechcraft D55, D55A, E55, E55A, 5B, 5BA, 95-C55, 95-C55A with ALT-9422


**Alternator Bearings
 (continued)**

AC P/N	Approved Replacement For	Eligibility
<p>X-4130AC Needle Bearing</p> 	<p>Kelly Aerospace Power Systems Part No. X-4130 as used in Kelly alternators: ALE-6400, -6500 series ALE-8400, -8500 series ALH-5400, -5500 series ALT-8400, -8500 series ALT-9400, -9500 series ALU-6400, -6500 series ALU-8400, -8500 series ALU-9400, -9500 series ALX-6400, -6500 series ALX-8400, -8500 series ALX-9400, -9500 series ALY-6400, -6500 series ALY-8400, -8500 series ALZ-8400, -8500 series DOFF10300B DOFF10300D DOFF10300E DOFF10300F DOFF10300J ES4000 series EOFF10300AA E3FF10300AA EOFF10300BA E3FF10300BA 4111810</p>	<p>Textron Lycoming O-235, O-320, O-360, IO-360, HIO-360, O-540, IO-540, IO-720 series, GO-480, VO-435, TIO-540-U2A, LTIO-540-U2A.</p> <p>Teledyne Continental Motors IO-520-B,-C,-D, -F; TSIO-360-E,-F,-GB, -KB; LTSIO-360-E,-KB.</p> <p>American Champion Aircraft Corp. - Bellanca 7ECA with Lyc O-235-C1, 7GCAA, 7GCBC, 7KCAB.</p> <p>Raytheon Aircraft Company - Beechcraft D55, D55A, E55, E55A, E55B, E55BA, 95-C55, 95-C55A, 95-B55, 95-B55A.</p> <p>The New Piper Aircraft Company Piper PA-28 series airconditioned, with Lycoming IO-360-C1C, O-320-E2A, -D2A</p> <p>Cessna Aircraft Company 152, 172, 177, 177RG, 180, 182RG, 182, 185, 206, 210</p> <p>SOCATA Groupe Aerospatiale TBM700 with ALU-8421IS</p>
<p>X-4612AC Single Row Ball Bearing</p>	<p>Kelly Aerospace Power Systems Part No. X-4612 as used in Kelly alternators: ALE-6400, -6500 series ALE-8400, -8500 series ALH-5400, -5500 series ALM-5103 ALT-8400, -8500 series ALU-6400, -6500 series ALU-8400, -8500 series ALX-6400, -6500 series ALX-8400, -8500 series ALX-9400, -9500 series ALX-9425, ALX-9525 ALY-6400, -6500 series ALY-8400, -8500 series ALZ-8400, -8500 series DOFF10300B DOFF10300D DOFF10300E DOFF10300F DOFF10300J ES4000 series EOFF10300AA E3FF10300AA EOFF10300BA E3FF10300BA 4111810</p>	<p>Textron Lycoming 235,320,360,540,720 series GO-480, VO-435.</p> <p>Teledyne Continental Motors IO-520-B,-C,-F; TSIO-350-E,-F,-GB, -KB,-LB; LTSIO-360-E,-KB.</p> <p>American Champion Aircraft Corp. - Bellanca 7ECA with Lyc O-235-C1; 7GCAA, 7GCBC, 7KCAB.</p> <p>Raytheon Aircraft Company - Beechcraft D55, D55A, E55, E55A, E55B, E55BA, 95-C55, 95-C55A, 95-B5, 95-B55A.</p> <p>The New Piper Aircraft Company Piper PA-28 airconditioned with Lycoming IO-360-C1C, O-320-E2A, -D2A</p> <p>Cessna Aircraft Company 152, 172, 177, 177RG, 180, 185, 182, 182RG, 206, 210</p> <p>SOCATA Groupe Aerospatiale TBM700 with ALU-8421RS</p>

Starter Bearings

AC P/N	Approved Replacement For	Eligibility
<p>XA-997AC Needle Bearing</p> 	<p>Electrosystems Part No. XA-997 as used in Electrosystems starter motors: MHB-4000 series MHJ-4000 series MZ-4200 Series</p>	<p>Textron Lycoming 235,290,320,340,360, 540, 720 series TIO-541-A,-E VO-435-B1A LIO-320, LO-360, LIO-360 TIGO-541 LTIO-540 TVO-435, VO-435</p>
<p>XA-998AC Needle Bearing</p>	<p>Electrosystems Part No. XA-998 as used in Electrosystems starter motors: MHB-4000 series MHJ-4000 series MZ-4200 Series</p>	<p>Textron Lycoming 235,290,320,340,360, 540, 720 series TIO-541-A,-E VO-435-B1A LIO-320, LO-360, LIO-360 TIGO-541 LTIO-540 TVO-435, VO-435</p>
<p>X-3991AC Single Row Ball Bearing</p>	<p>Kelly Aerospace Power Systems Part No. X-3991 as used in Kelly starter motors: MHB-4000 Series MZ-4200 Series</p>	<p>Textron Lycoming 235,290,320,340,360, 540 series TIO-541-A,-E VO-435-B1A LIO-320, LO-360, LIO-360</p>


Starter Adapter Bearings

AC P/N	Approved Replacement For	Eligibility
X13041AC Ball Bearing 	Teledyne Continental Motors Part No. X13041	Teledyne Continental Motors Engine Models IO360, L/TSIO360, O470, IO470, IO520, IO550, TSIO520, GTSIO520, & TSIO550 Series
537721AC Ball Bearing	Teledyne Continental Motors Part No. 537721	Teledyne Continental Motors Engine Models O470, IO470, IO520, IO550 Series
534685AC Needle Bearing	Teledyne Continental Motors Part No. 534685	Teledyne Continental Motors Engine Models O470, IO470, IO520, IO550, TSIO520 Series
630680AC Roller Bearing	Teledyne Continental Motors Part No. 630680	Teledyne Continental Motors Engine Models IO360, L/TSIO360, IO520, IO550, TSIO520, TSIO550 Series
630899AC Roller Bearing	Teledyne Continental Motors Part No. 630899	Teledyne Continental Motors Engine Models TSIO520, TSIO550 Series
637817AC Ball Bearing	Teledyne Continental Motors Part No. 630680	Teledyne Continental Motors Engine Models IO520, IO550, TSIO520, TSIO550 Series
640731AC Ball Bearing	Teledyne Continental Motors Part No. 640731	Teledyne Continental Motors Engine Models IO550, TSIO520, TSIO550 Series
641368AC Needle Bearing	Teledyne Continental Motors Part No. 641368	Teledyne Continental Motors Engine Models IO360, L/TSIO360, O470, IO470, IO520, IO550, TSIO520, GTSIO520, TSIO550 Series



Oil Seals

AC P/N	Approved Replacement For	Eligibility
643265AC Oil Seal 	Teledyne Continental Motors Part No. 643265 as used in TCM alternators: 642055, 24V60A 642056, 24V100A 646490, 24V60A 646491, 24V100A 646843, 24V60A 649304, 24V100A Included with bearing and seal kit	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators
646328AC Oil Seal	Teledyne Continental Motors Part No. 646328 as used in TCM starter motors: 646238 646238-1, -2, -3 646275 646275-1 Kelly Aerospace Power Systems Part No. ES646328 as used in TCM starter motors: ES646238 -2, -3 ES646275-1	Teledyne Continental Motors O-300, GO-300, IO-346, IO-360, TSIO-360, LTSIO-360, O-470, IO-470, TSIO-470, IO-520, IO-550, TSIO-520, TSIO-550, TSIOL-550, and GTSIO-520 series
ES4142AC Oil Seal	Kelly Aerospace Power Systems Part No. ES4142 as used in Kelly Aerospace alternators: ES-4001, ES-4002, ES-4004, ES-4006, ES-4008, ES-4028, ES-4029, DOFF10300D DOFF10300E DOFF10300F	Teledyne Continental Motors; O-200, IO-360, TSIO-360, and LTSIO-360 with ES-4000 series gear driven alternators Cessna Aircraft Company T-41, 337, F337, T337 with ES4004 ; 150, F150, A150, 172, F172 with ES4001
XA-1024AC Oil Seal	Kelly Aerospace Power Systems Part No. XA-1024 as used in Kelly Aerospace (Electrosystems) Starter Motors: MCL-6501 MHJ-4002 MHJ-4003 MHP-4101 MZ-4214	Teledyne Continental Motors; IO-360, O-470, IO-470, IO-520, TSIO-520 series with MCL-6501. O-200 with MZ-4214.
XA-1026AC Oil Seal	Kelly Aerospace Power Systems Part No. XA-1026 as used in Kelly Aerospace (Electrosystems) alternators: ALX-9404 ALX-9405 ALX-9422 ALX-9424 ALX-9522 ALX-9524 ALT-9405 ALT-9422 ALT-9522 ALU-9404 ALU-9422 ALU-9522	Textron Lycoming; VO-435, TVO-435, GO-480 with ALX-9404, ALX-9422, ALU-9404, & ALU-9422 Teledyne Continental Motors; IO-520, IO-550, TSIO-520, and GTSIO-520 series with gear driven alternator ALU-9522, ALX-9522, ALX-9424, ALX-9524; Beechcraft - Raytheon Aircraft Company D55, D55A, E55, E55A, 5B, 5BA, 95-C55, 95-C55A with ALT-9422
XA-1441AC Oil Seal	Kelly Aerospace Power Systems Part No. XA-1441 as used in Kelly Aerospace alternators: ALV-9401 ALV-9405 ALV-9406 ALV-9407 ALV-9510	Textron Lycoming; TIGO-541, VO-435, TVO-435, IGO-540, GO-480; Teledyne Continental Motors; IO-520-A, IO-520-C, TSIO-520-E, GTSIO-520-C with ALV-9510; Beech - Raytheon Aircraft Company E55, E55A, 58, 58A with ALV-9401, ALV-9407, ALV-9510


Kits

AC P/N	Approved Replacement For	Eligibility
646492A1AC Kit Alternator DriveEnd 40.38 	Teledyne Continental Motors Part No. 646492A1 as used in TCM alternators: 642055, 24V60A 646490, 24V60A 646843, 24V60A Includes 642438AC bearing	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators
646495A1AC Kit Alternator Drive End Includes 642438AC bearing	Teledyne Continental Motors Part No. 646495A1 as used in TCM alternators: 642056, 24V100A 646491, 24V100A 649304, 24V100A	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators

Brushes

AC P/N	Approved Replacement For	Eligibility
646848-1AC Brush Assembly 	Teledyne Continental Motors Part No. 646848-1 as used in TCM alternators: 642055, 24V60A 646490, 24V60A 646843, 24V60A	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators
646853AC Brush Assembly 	Teledyne Continental Motors Part No. 646853 as used in TCM alternators: 642056, 24V100A 646491, 24V100A 649304, 24V100A	Teledyne Continental Motors IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 with gear driven alternators

Starters

AC P/N	Approved Replacement For	Eligibility
<p>PL13459 12 Volt Starter</p> 	<p>Teledyne Continental Motors Part No. 655565 646238 646238-2</p>	<p>Teledyne Continental Motors 0-300-D, IO-346, IO-360 TSIO-360, LTSIO-360 O-470, IO-470, TSIO-470, IO-520, IO-550, TSIO-520, TSIO-550, and GTSIO-520 series</p>
<p>PL13484 24 Volt Starter</p>	<p>Teledyne Continental Motors Part No. 655566 646275 646275-1 Kelly Aerospace / Electrsystems ES646275 ES646275-1 MHJ 4003</p>	<p>Teledyne Continental Motors 0-300-D, IO-346, IO-360 TSIO-360, LTSIO-360 O-470, IO-470, TSIO-470, IO-520, IO-550, TSIO-520, TSIO-550, TSIOL-550 and GTSIO-520 series</p>



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