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World's Best Aviation Spark Plugs

AVIATION SPARK PLUG Application Guide

Although great effort has been made to ensure the accuracy and completeness of this installation eligibility reference chart, responsibility for aircraft airworthiness including the installation of approved replacement parts lies with the aircraft owner/operator. Please refer to FAA approved data or engine/airframe/propeller manufacturer's parts listing for final determination of article approval. We would like your help so we can serve the industry better! If you find errors or omissions in this data, please submit them to Tempest at information@tempestplus.com or call us at (800) 822-3200.

	MASSIVE ELECTRODE									FINE-WIRE ELECTRODE					
THREAD	5/8"-24					3/4"-20				5/8"-24		3/4"-20			
Engines	EAREM37HE	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	URHB32S	URHB36S	URHM38S	EARHM38SE
Continental Motors															
A-65, A-75, C-75, C-85, C-90, C115, C-125 Series			X		X				X		X			X	
C-145 Series			X	X	X			X	X		X			X	
E165, E-185, E225 Series			X		X				X		X			X	
O-200-A, B, C, D			X		X				X		X		X	X	
IO-240-A, B				X				X			X			X	
O-300-A, B, C, D, E			X	X	X			X	X		X			X	
GO-300-A, B, C, D, E, F			X	X	X			X	X		X			X	
IO-346-A, B				X	X			X	X		X			X	
IO-360-A, AB, C, CB, D, DB, E, ES, G, GB, H HB, J, JB, K, KB				X				X			X			X	
IO-360-B					X				X		X			X	
TSIO-360-A, AB, B, BB, C, CB, D, DB, E, EB, F, FB, G, GB, H, HB, JB, K, KB, LB, MB, NB, PB, RB, SB				X				X			X			X	
LTSIO-360-E, EB, K, KB, RB				X				X			X			X	
O-470-2				X				X			X			X	
O-470-4, 11, 11B, 11B-C1, 11-C1, 13, 13A, 15					X				X		X			X	
O-470-B, G, H, M, N, P, R, S				X	X			X	X		X			X	
O-470-B-C1, G-C1, K-C1, L-C1, M-C1					X				X						
O-470-A, E, J, K, L,					X				X		X			X	
O-470-T, U						X						X	X		
IO-470-A, C, G, P, R, T				X	X			X	X		X			X	
IO-470-D, E, F, H, L, LO, M, N, S, U, V, VO						X						X	X		
IO-470-J, K					X				X		X			X	
L/IO-470-A				X	X			X	X		X			X	
TSIO-470-B, C, D						X						X	X		
IO-520 Series						X									
IO-520-A, B, BA, BB, C, CB, D, E, F, J, K, L, M, MB, N, NB						X						X	X		
LIO-520 Series						X									
TSIO-520-A, AE, AF, B, BB, BE, C, CE, D, DB, E, EB, F, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, T, U, UB, V, VB, WB						X						X	X		
LTSIO-520-A, AE, B, BE, C, CE, D, DB, E, EB, G, H, J, JB, K, KB, L, LB, M, N, NB, P, R, T, U, UB, VB, WB						X						X	X		
GTSIO-520-C, D, E, F, G, H, K, L, M, N						X						X	X		
IO-550-A, B, C, D, E, F, G, L, N, P, R						X						X	X		
IOF-550-B, C, D, E, F, L, N, P, R												X			
TSIO-550-A, B, C, E, G, K						X						X	X		
R9-A	X						X			X			X		
R-670	X														
R-670-3, -4, -8, -11, -11A											X			X	
W-670				X				X			X			X	
ECi (Engine Components Int'l) TITAN® Engines															
OX-320 series				X	X			X	X		X			X	
IOX-320 series				X	X			X	X		X			X	
OX-340 series				X	X			X	X		X			X	
IOX-340 series				X	X			X	X		X			X	
OX-360 series				X	X			X	X		X			X	
IOX-360 series				X	X			X	X		X			X	
OX-370 series				X	X			X	X		X				
IOX-370 series				X	X			X	X		X			X	
O-340 series (ASTM certified)				X	X			X	X		X			X	
IO-340 series (ASTM certified)				X	X			X	X		X			X	
Electroair (electronic ignition)															
ES41000, ES41000IC, ES41000T	X														X
Franklin/PZL/WSK															
2A-120-A, B, C, D						X							X		
4A-235-B, B1, B2, B3, B4, B6						X				X			X		
6AS-335-A, B		X				X	X			X			X		
6V-335-A1A, A1B		X				X	X			X			X		
6VS-335-A, B, A1, B1		X				X	X			X			X		
6A-350-C1, C1A, C2, C2A, C1L, C1R, D, D1, D1A, D1B						X				X		X	X		
6AS-350-A, A1						X				X			X		
6V-350-A, B						X				X			X		
PZL-3S, 3S 2nd Series, 3SR		X					X			X			X		
ASZ-62IR-16, M18		X					X			X			X		
Jacobs															
L-4, L-5, L-6 Series					X				X		X			X	
4M, 4MA, 4MA7, 4MB, 5M, 5MB, 6M, 6MA, 6MBA					X						X			X	
R-755-A1, A2, A2M, A2M1, B1, B2, B2M, E					X				X						
R-755S, SM				X	X			X							
R-755-9					X						X			X	
R-915-3, 5, 7											X			X	
Ken Royce															
Ken Royce 7F, 7G					X				X						
Ken Royce 90 5G					X				X						
Kinner															
B-5, B-54, C-5, K-5					X				X						
Kinner R-5, R-5 Series 2, R-55, R-56					X				X						
THREAD	5/8"-24					3/4"-20				5/8"-24		3/4"-20			
	EAREM37HE	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	URHB32S	URHB36S	URHM38S	EARHM38SE
	MASSIVE ELECTRODE									FINE-WIRE ELECTRODE					

**UREM37BY is recommended in approved applications experiencing excessive lead fouling.*

	MASSIVE ELECTRODE									FINE-WIRE ELECTRODE				
THREAD	5/8"-24				3/4"-20				5/8"-24		3/4"-20			
Engines	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	URHB32S	URHB36S	URHM38S	
Lambert														
B-5, B-54, C-5, K-5				X				X						
LeBlond														
LeBlond 70 5DE, 5E				X				X						
LeBlond 85 5F, 5DF				X				X						
LeBlond 90 5F				X				X						
LeBlond 110 7DF				X				X						
Menasco														
Buccaneer A-6, B-6, B6S				X				X						
Super Buccaneer C6S-4				X				X						
Pirate A-4, B-4, C4, D4, M-50				X				X						
Super Pirate D-4-87	X					X			X			X		
P. Ponk														
O-470-50 Super Eagle					X						X			
Pratt & Whitney														
R-985 Wasp Jr. Series		X		X				X		X			X	
R-1340 Wasp Series (Short Reach)		X		X				X		X			X	
R-1340 Wasp Series (Long Reach)	X				X	X								
SR-1340-E				X				X						
R-1800 Twin Wasp E1	X				X	X								
R-1830 Twin Wasp Series	X				X	X			X		X	X		
R-2000 Twin Wasp Series	X				X	X			X			X		
Twin Wasp Series SC-G, SC3-G, S1C-G, S1C3-G, S3C4-G, S4C4-G	X				X	X			X		X	X		
R-2800 Double Wasp A, B, Series	X				X	X			X		X	X		
Double Wasp Series CA3, CA5, CA15, CA17, CA18, CA19, R2800-97, CB3, CB4, CB16, CB17	X				X	X			X		X	X		
R-4630 Wasp Major Series	X				X	X			X			X		
Ranger														
Ranger 6-390, 6-410, 6-440 Series				X				X		X			X	
Superior Air Parts														
O-360-A1A1, A1A2, A2A1, A2A2, A3A1, A3A2, A4A1, A4A2, A5A1, A5A2, A6A1, A6A2, B1A1, B1A2, B2A1, B2A2, B3A1, B3A2, B4A1, B4A2, B5A1, B5A2, B6A1, B6A2, C1A1, C1A2, C2A1, C2A2, C3A1, C3A2, C4A1, C4A2, C5A1, C5A2, C6A1, C6A2, D1A1, D1A2, D2A1, D2A2, D3A1, D3A2, D4A1, D4A2, D5A1, D5A2, D6A1, D6A2, E1A1, E1A2, E2A1, E2A2, E3A1, E3A2, E4A1, E4A2, E5A1, E5A2, E6A1, E6A2				X									
O-360-A1A1, A1A2, A2A1, A2A2, A3A1, A3A2, A4A1, A4A2, A5A1, A5A2, A6A1, A6A2, B1A1, B1A2, B2A1, B2A2, B3A1, B3A2, B4A1, B4A2, B5A1, B5A2, B6A1, B6A2, C1A1, C1A2, C2A1, C2A2, C3A1, C3A2, C4A1, C4A2, C5A1, C5A2, C6A1, C6A2, D1A1, D1A2, D2A1, D2A2, D3A1, D3A2, D4A1, D4A2, D5A1, D5A2, D6A1, D6A2, E1A1, E1A2, E2A1, E2A2, E3A1, E3A2, E4A1, E4A2, E5A1, E5A2, E6A1, E6A2				X									
Textron Lycoming														
O-235-C, E, H, K, L, M, N, P Series		X	X	X			X	X		X			X	
O-235-F, G, J Series			X				X	X		X			X	
O-290 Series		X	X	X			X	X		X			X	
O-320-A, B, C, D, E, H Series		X	X	X			X	X		X			X	
O-320-F Series			X	X			X	X		X				
IO-320 A, B, C, D, E, Series		X	X	X			X	X		X			X	
IO-320-F Series		X	X	X			X	X		X			X	
IO-320-C1A, F1A (Long Reach)	X					X			X					
IO-320-C1B (Long Reach)	X					X								
AIO-320-A, B, C series		X	X	X			X	X		X			X	
LIO-320-B Series (Short Reach)		X	X	X			X	X		X			X	
LIO-320-C1A (Long Reach)	X					X			X			X		
AEIO-320 A, B, C, D, E Series		X	X	X			X	X		X			X	
O-340-A, B Series			X	X			X	X		X			X	
O-360-A, B, C, D, F, J Series		X	X	X			X	X		X			X	
O-360-E Series			X	X			X	X		X			X	
HO-360-A, B, C Series		X	X	X			X	X		X			X	
IO-360-A, B, C, D, E, F, J, K, L, M Series		X	X	X			X	X		X			X	
IO-360-A1B6, C1A, C1F, F1A Series (Long Reach)	X					X			X			X		
LO-360-A, C, E Series		X	X	X			X	X		X			X	
TO-360-A, C, E, F Series	X				X	X			X		X	X		
TO-360-C1A6D, E1A6D, F1A6D Series (Long Reach)					X	X			X		X	X		
VO-360-A, B Series		X	X	X			X	X		X			X	
AIO-360-A, B Series		X	X				X			X			X	
HIO-360-A, B, G Series		X	X	X			X	X		X			X	
HIO-360 -C, D Series			X				X			X			X	
HIO-360-E1AD, E1BD, F1AD Series (Long Reach)					X	X					X	X		
IVO-360-A Series	X				X	X			X		X	X		
THREAD	5/8"-24				3/4"-20				5/8"-24		3/4"-20			
	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	URHB32S	URHB36S	URHM38S	
	MASSIVE ELECTRODE								FINE-WIRE ELECTRODE					

	MASSIVE ELECTRODE								FINE-WIRE ELECTRODE				
THREAD	5/8"-24				3/4"-20				5/8"-24		3/4"-20		
Engines	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	URHB32S	URHB36S	URHM38S
LIO-360-C, M Series		X	X				X			X			X
LTO-360-A1A6D, E1A6D	X				X	X			X		X	X	
TIO-360-A, C Series	X				X	X			X		X	X	
AEIO-360-A, B, C, H Series		X	X	X			X	X		X			X
AEIO-360-A Series (Long Reach)	X					X			X			X	
LHIO-360-C Series		X	X				X			X			
LHIO-360-F1AD					X	X					X	X	
O-435-A, C, K Series			X	X			X	X		X			X
O-435-B Series									X			X	
O-435-A1A (Long Reach)					X	X							
O-435-6, 6A											X		
O-435-23, 23A, 23B, 23C, 25, 25A	X				X	X			X		X	X	
GO-435-A Series			X				X			X			X
GO-435-C, D, Series				X				X		X			X
GO-435-K Series				X				X					
VO-435-A Series			X	X			X			X			X
VO-435-A, B Series (Long Reach)	X				X	X			X		X	X	
TVO-435-A Series (Short Reach)			X				X			X			X
TVO-435-A, B, C, D, E, F, G Series (Long Reach)	X				X	X			X		X	X	
O-480-1, 3					X				X		X	X	
GO-480-B, D, F Series			X	X			X	X		X			X
GO-480-C, G Series			X				X			X			X
GO-480-G1, G2 Series (Long Reach)	X				X	X			X		X	X	
GO-480-E1A6										X			X
GSO-480-A, B, D, F Series (Short Reach)			X	X			X	X		X			X
GSO-480-A, B Series (Long Reach)	X					X			X			X	
IGO-480-A Series (Long Reach)	X				X	X			X		X	X	
IGSO-480-A Series (Short Reach)			X	X			X	X		X			X
IGSO-480-A Series (Long Reach)	X				X	X			X		X	X	
O-540-A, B, D, E, F, G, H, J Series			X	X			X	X		X			X
O-540-L3C5D, M1B5D Series (Long Reach)	X					X			X			X	
IO-540-A, AB, AE, B, C, D, E, G, J, K, L, M, N, P, R, S, T, U, V, W, (Short Reach)			X	X			X	X		X			X
IO-540-AF (Short Reach)			X	X			X	X					
IO-540-AA, AC, AE, E, G, J, K, M, N, P, R, S, U (Long Reach)						X	X					X	X
IO-540-E1A5, E1B5, E1C5 (Long Reach)	X				X	X					X	X	
IO-540-E1A5, E1B5, E1C5, J4A5, K1A5, K1A5D, K1B5, K1B5D, K1C5, K1D5, K1E5, K1E5D, K1F5, K1F5D, K1G5, KIG5D, K1H5, K1J5, K1J5D, K1K5, K1K5D, K2A5, P1A5, R1A5 (Long Reach)					X	X			X		X	X	
VO-540-A, B, C Series (Short Reach)			X				X			X			X
VO-540-A, B, C Series (Long Reach)	X					X			X			X	
TIO-540-A, AA, AB, AE, AF, AG, AH, AJ, AK, C, E, F, G, H, J, K, N, R, S, T, U, V, W Series					X	X					X	X	
LTIO-540-F, J, N, R Series					X	X			X		X	X	
LTIO-540-U, V Series					X	X					X	X	
AEIO-540-D, L Series (Short Reach)			X	X			X	X		X			X
AEIO-540-L Series (Long Reach)	X				X	X					X	X	
IGO-540-A, B, Series	X				X	X					X	X	
IVO-540-A Series	X					X			X			X	
TIVO-540-A Series					X	X			X		X	X	
IGSO-540-A, B Series					X	X					X	X	
TIO-541-A, E Series	X				X	X			X		X	X	
TIGO-541-A, E Series	X				X	X			X		X	X	
IO-580 Series (Short Reach)			X										
IO-580 Series (Long Reach)	X					X						X	
AEIO-580 Series (Short Reach)			X										
AEIO-580 Series (Long Reach)	X					X						X	
R-680 Series				X				X		X			X
IO-720-A, B, C, D Series (Short Reach)			X				X			X			X
IO-720-A, B, C, D Series (Long Reach)	X				X	X			X		X	X	
Warner													
Scarab Series 28, 29, 30, 40, 50				X				X		X			X
Scarab Jr. Series 40, 50				X				X		X			X
Super Scarab Series 40, 50, 50A				X				X		X			X
Super Scarab 165, A, B, D, 185, 185J, 185K				X				X		X			X
Wright/ Curtis Wright													
Cyclone Double Row Series	X					X							
Cyclone R-1300 Series	X					X			X			X	
Cyclone R-1820 Series (Except F & HE)	X					X			X			X	
Cyclone R-1820-84 (C9HE) Series					X						X		
Cyclone R-2600 Series	X					X			X			X	
Cyclone R-3350-C18BA, C18BD	X					X			X			X	
GR-540 Series				X				X					
GR-975 Series (Short Reach)				X				X					
GR-975C Series (Long Reach)	X					X							
R-540 Series				X				X					
R-975 Series (Short Reach)				X				X					
R-975 Series (Long Reach)	X					X							
Whirlwind J-5 (Short Reach)				X				X					
Whirlwind J-5 (Long Reach)	X					X							
Whirlwind R-760 Series (Long Reach)	X					X							
Whirlwind R-760 Series - 1/2" reach cyl.				X				X					
THREAD	5/8"-24				3/4"-20				5/8"-24		3/4"-20		
	UREB37E	UREM37BY	UREM38E	UREM40E	URHB32E	URHB37E	URHM38E	URHM40E	UREB36S	UREM38S	URHB32S	URHB36S	URHM38S
	MASSIVE ELECTRODE								FINE-WIRE ELECTRODE				