



FAA
Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Whelen Engineering Company, Inc.
 51 Winthrop Road
 Chester, CT. 06412-0684

PMA NO. PQ0610NE
 SUPPLEMENT NO. 45
 DATE 29 October 2015

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility ⁽¹⁾
LED Landing Light	01-0771833-10	Modification Part	STC SR00359BO <u>DWG No:</u> 71833 <u>Rev:</u> B <u>Date:</u> 3/13/2014 or later FAA-approved revisions	Aero Resources, Inc.	J-2
				Agusta S.p.A.	A109, A109A, A109A II, A109C, A109E, A109K2, A109S, A119, AW119 MKII, AW109SP
				Air & Space America, Inc.	18A
				Airbus Helicopters Deutschland GmgH	BO-105A, BO-105C, BO-105LS A-1, BO-105LS A-3, BO-105S,
				Airbus Helicopters Deutschland GmgH	EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, EC135T2+
				Airbus Helicopters France	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, EC130 B4, EC130 T2
				Airbus Helicopters France	EC120B
				Airbus Helicopters France	SA341G, SA342J
				Airbus Helicopters France	SA.315B Alouette III, SA.316B Alouette III, SA.316C Alouette III, SA.319B Alouette III, SE.3160 Alouette III
				Airbus Helicopters France	AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP



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				Bell Helicopter Textron Canada Limited	206, 206A, 206A-1 (OH-58A), 206B, 206L, 206L-1, 206L-3, 206L-4, 407
				Bell Helicopter Textron Canada Limited	427
				Bell Helicopter Textron Canada Limited	429
				Berlin Doman Helicopters, Inc.	LZ-5
				Brantly International, Inc.	B-2 (YHO 3BR), B-2A, B-2B
				Charles D. Linza	Navy HUP-3
				Consolidated Air Crane, Inc.	CH34A, CH34C, HSS-1/UH-34D, HSS-1N/UH-34J
				Continental Copters, Inc.	U.S. Army OH-13H
				Costruzioni Aeronautiche Giovanni Agusta S.p.a.	AB-102
				FH1100 Manufacturing Corporation	1100 (OH-5A), FH-1100
				Gifton McCreary	U.S. Army OH-13E, U.S. Army OH-13H
				Helicopter Technik Munchen GmbH & Co., Anlagen KG.	FJ Sky-Trac



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				Hiller Aviation	UH12L, UH-12L4
				Hiller Aviation	UH-12, UH-12A (Navy HTE-1, Army H-23A)
				Hiller Aviation	UH-12D (Army UH-23D)
				Invest In Opportunities, Inc. JJASPP Engineering Services, LLC	HUS-1 UH-1H
				Kaman Aerospace Corporation	K-1200
				Lockheed-California Company	L-286
				McCulloch Motors Corporation	MC-4C (USAF YH-30)
				MD Helicopters Inc. (MDHI)	369 (Army YOH-6A), 369A (Army OH-6A), 369D, 369E, 369F, 369FF, 369H, 369HE, 369HM, 369HS, 500N, 600N
				MD Helicopters Inc. (MDHI)	MD900
				Omega Aircraft Corporation	BS-12D1
				Orlando Helicopter Airways, Inc.	CH-19E, H-19A, H-19D, H-19G, HRS-1/CH-19, HRS-3/H-19B, UH-19C, UH-19D, UH-19F, YH-19A
				Orlando Helicopter Airways, Inc.	H-34A, HH-34J, SH-34J, UH-34D



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				Robinson Helicopter Company	R66
				Robinson Helicopter Company	R44, R44 II
				Robinson Helicopter Company	R22, R22 ALPHA, R22 BETA, R22 MARINER
				Scheutzow Helicopter Corporation	Model B
				Scotts-Bell 47 Inc.	47G-2A, 47G-2A-1, 47G-3, 47G-3B, 47G-3B-1, 47G-3B-2, 47G-3B-2A, 47G-4, 47G-4A, 47G-5, 47G-5A
				Scotts-Bell 47 Inc.	47, 47B, 47B3, 47D, 47D1, 47E, 47G, 47G-2, 47H-1
				Scotts-Bell 47 Inc.	47, 47J, 47J-2, 47J-2A, 47K
				Siam Hiller Holdings, Inc.	UH12E, UH-12E-L (Army OH-23G) (Army H-23F)
				Sikorsky Aircraft Corporation	269A, 269A-1, 269B, 269C, 269C-1, 269D
				Sikorsky Aircraft Corporation	S-51
				Sikorsky Aircraft Corporation	S-52
				Sikorsky Aircraft Corporation	S-52-2, S-52-3



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				Sikorsky Aircraft Corporation	S-58A, S-58B, S-58BT, S-58C, S-58D, S-58DT, S-58E, S-58ET, S-58F, S58FT, S58G, S-58H, S-58HT, S-58J, S-58JT
				Silvercraft S.co.p.a.	SH-4
				Sterling Aircraft Industries, Inc.	(Army) H-25A , (Navy) HUP-2, (Navy) HUP-3
				Sud Aviation	SO. 1221 Djinn
				Teryjon Aviation, Inc.	Fast Kat I (U.S. Army OH-13S)
				The Boeing Company Vertol Division	(H21B, H-21C) 42A, 42B, 44A, 44B
				The Enstrom Helicopter Corporation	280, 280C, 280F, 280FX, 480, 480B, F-28, F-28A, F-28C, F-28C-2, F-28C-2R, F-28F, F-28F-R, TH-28
				The Kaman Aircraft Corp.	K-240 (Military HTK-1)
				The Kaman Aircraft Corp.	K-190A, K-225



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LED Taxi Light	01-0771833-15	Modification Part	STC SR00359BO <u>DWG No:</u> 71833 <u>Rev:</u> B <u>Date:</u> 3/13/2014 or later FAA-approved revisions	Aero Resources, Inc.	J-2
				Agusta S.p.A.	A109, A109A, A109A II, A109C, A109E, A109K2, A109S, A119, AW119 MKII, AW109SP
				Air & Space America, Inc.	18A
				Airbus Helicopters Deutschland GmgH	BO-105A, BO-105C, BO-105LS A-1, BO-105LS A-3, BO-105S,
				Airbus Helicopters Deutschland GmgH	EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, EC135T2+
				Airbus Helicopters France	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, EC130 B4, EC130 T2
				Airbus Helicopters France	EC120B
				Airbus Helicopters France	SA341G, SA342J
				Airbus Helicopters France	SA.315B Alouette III, SA.316B Alouette III, SA.316C Alouette III, SA.319B Alouette III, SE.3160 Alouette III
				Airbus Helicopters France	AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP



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				Hiller Aviation	UH12L, UH-12L4
				Hiller Aviation	UH-12, UH-12A (Navy HTE-1, Army H-23A)
				Hiller Aviation	UH-12D (Army UH-23D)
				Invest In Opportunities, Inc.	HUS-1
				JJASPP Engineering Services, LLC	UH-1H
				Kaman Aerospace Corporation	K-1200
				Lockheed-California Company	L-286
				McCulloch Motors Corporation	MC-4C (USAF YH-30)
				MD Helicopters Inc. (MDHI)	369 (Army YOH-6A), 369A (Army OH-6A), 369D, 369E, 369F, 369FF, 369H, 369HE, 369HM, 369HS, 500N, 600N
				MD Helicopters Inc. (MDHI)	MD900
				Omega Aircraft Corporation	BS-12D1
				Orlando Helicopter Airways, Inc.	CH-19E, H-19A, H-19D, H-19G, HRS-1/CH-19, HRS-3/H-19B, UH-19C, UH-19D, UH-19F, YH-19A
Orlando Helicopter Airways, Inc.	H-34A, HH-34J, SH-34J, UH-34D				



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				Robinson Helicopter Company	R66
				Robinson Helicopter Company	R44, R44 II
				Robinson Helicopter Company	R22, R22 ALPHA, R22 BETA, R22 MARINER
				Scheutzow Helicopter Corporation	Model B
				Scotts-Bell 47 Inc.	47G-2A, 47G-2A-1, 47G-3, 47G-3B, 47G-3B-1, 47G-3B-2, 47G-3B-2A, 47G-4, 47G-4A, 47G-5, 47G-5A
				Scotts-Bell 47 Inc.	47, 47B, 47B3, 47D, 47D1, 47E, 47G, 47G-2, 47H-1
				Scotts-Bell 47 Inc.	47, 47J, 47J-2, 47J-2A, 47K
				Siam Hiller Holdings, Inc.	UH12E, UH-12E-L (Army OH-23G) (Army H-23F)
				Sikorsky Aircraft Corporation	269A, 269A-1, 269B, 269C, 269C-1, 269D
				Sikorsky Aircraft Corporation	S-51
				Sikorsky Aircraft Corporation	S-52
Sikorsky Aircraft Corporation	S-52-2, S-52-3				



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				Sikorsky Aircraft Corporation	S-58A, S-58B, S-58BT, S-58C, S-58D, S-58DT, S-58E, S-58ET, S-58F, S58FT, S58G, S-58H, S-58HT, S-58J, S-58JT
				Silvercraft S.co.p.a.	SH-4
				Sterling Aircraft Industries, Inc.	(Army) H-25A , (Navy) HUP-2, (Navy) HUP-3
				Sud Aviation	SO. 1221 Djinn
				Teryjon Aviation, Inc.	Fast Kat I (U.S. Army OH-13S)
				The Boeing Company Vertol Division	(H21B, H-21C) 42A, 42B, 44A, 44B
				The Enstrom Helicopter Corporation	280, 280C, 280F, 280FX, 480, 480B, F-28, F-28A, F-28C, F-28C-2, F-28C-2R, F-28F, F-28F-R, TH-28
				The Kaman Aircraft Corp.	K-240 (Military HTK-1)
				The Kaman Aircraft Corp.	K-190A, K-225
LED Landing Light	01-0771833-20	Modification Part	STC SR00359BO DWG No: 71833 Rev: B Date: 3/13/2014 or later FAA-approved revisions	Aero Resources, Inc.	J-2



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				Air & Space America. Inc.	18A
				Airbus Helicopters Deutschland GmgH	BO-105A, BO-105C, BO-105LS A-1, BO-105LS A-3, BO-105S,
				Airbus Helicopters Deutschland GmgH	EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, EC135T2+
				Airbus Helicopters France	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, EC130 B4, EC130 T2
				Airbus Helicopters France	EC120B
				Airbus Helicopters France	SA341G, SA342J
				Airbus Helicopters France	SA.315B Alouette III, SA.316B Alouette III, SA.316C Alouette III, SA.319B Alouette III, SE.3160 Alouette III
				Airbus Helicopters France	AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP
				Airbus Helicopters France	SA 318B-Alouette II Astazou, SA 318C-Alouette II Astazou, SA 3180-Alouette II Astazou, SE 313B-Alouette II, SE 3130-Alouette II
Bell Helicopter Textron Canada Limited	206, 206A, 206A-1 (OH-58A), 206B, 206L, 206L-1, 206L-3, 206L-4, 407				



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				Bell Helicopter Textron Canada Limited	429
				Berlin Doman Helicopters, Inc.	LZ-5
				Brantly International, Inc.	B-2 (YHO 3BR), B-2A, B-2B
				Charles D. Linza	Navy HUP-3
				Consolidated Air Crane, Inc.	CH34A, CH34C, HSS-1/UH-34D, HSS-1N/UH-34J
				Continental Copters, Inc.	U.S. Army OH-13H
				Costruzioni Aeronautiche Giovanni Agusta S.p.a.	AB-102
				FH1100 Manufacturing Corporation	1100 (OH-5A), FH-1100
				Gifton McCreary	U.S. Army OH-13E, U.S. Army OH-13H
				Helicopter Technik Munchen GmbH & Co., Anlagen KG.	FJ Sky-Trac
				Hiller Aircraft Corporation	UH-12B (Navy HTE-2, Army H-23B), UH-12C
Hiller Aviation	UH12L, UH-12L4				
Hiller Aviation	UH-12, UH-12A (Navy HTE-1, Army H-23A)				



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				Invest In Opportunities, Inc.	HUS-1
				JJASPP Engineering Services, LLC	UH-1H
				Kaman Aerospace Corporation	K-1200
				Lockheed-California Company	L-286
				McCulloch Motors Corporation	MC-4C (USAF YH-30)
				MD Helicopters Inc. (MDHI)	369 (Army YOH-6A), 369A (Army OH-6A), 369D, 369E, 369F, 369FF, 369H, 369HE, 369HM, 369HS, 500N, 600N
				MD Helicopters Inc. (MDHI)	MD900
				Omega Aircraft Corporation	BS-12D1
				Orlando Helicopter Airways, Inc.	CH-19E, H-19A, H-19D, H-19G, HRS-1/CH-19, HRS-3/H-19B, UH-19C, UH-19D, UH-19F, YH-19A
Orlando Helicopter Airways, Inc.	H-34A, HH-34J, SH-34J, UH-34D				
Pacific Aviation, Inc.	CH34A, CH34C, HSS-1/UH-34D, HSS-1N/UH-34J				



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				Robinson Helicopter Company	R44, R44 II
				Robinson Helicopter Company	R22, R22 ALPHA, R22 BETA, R22 MARINER
				Scheutzw Helicopter Corporation	Model B
				Scotts-Bell 47 Inc.	47G-2A, 47G-2A-1, 47G-3, 47G-3B, 47G-3B-1, 47G-3B-2, 47G-3B-2A, 47G-4, 47G-4A, 47G-5, 47G-5A
				Scotts-Bell 47 Inc.	47, 47B, 47B3, 47D, 47D1, 47E, 47G, 47G-2, 47H-1
				Scotts-Bell 47 Inc.	47, 47J, 47J-2, 47J-2A, 47K
				Siam Hiller Holdings, Inc.	UH12E, UH-12E-L (Army OH-23G) (Army H-23F)
				Sikorsky Aircraft Corporation	269A, 269A-1, 269B, 269C, 269C-1, 269D
				Sikorsky Aircraft Corporation	S-51
Sikorsky Aircraft Corporation	S-52				
Sikorsky Aircraft Corporation	S-52-2, S-52-3				
Sikorsky Aircraft Corporation	S-55, S-55B, S-55C				



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LED Landing Light	01-0771833-20	Modification Part	STC SR00359BO <u>DWG No:</u> 71833 <u>Rev:</u> B <u>Date:</u> 3/13/2014 or later FAA-approved revisions	Sikorsky Aircraft Corporation	S-58A, S-58B, S-58BT, S-58C, S-58D, S-58DT, S-58E, S-58ET, S-58F, S58FT, S58G, S-58H, S-58HT, S-58J, S-58JT
				Silvercraft S.co.p.a.	SH-4
				Sterling Aircraft Industries, Inc.	(Army) H-25A , (Navy) HUP-2, (Navy) HUP-3
				Sud Aviation	SO. 1221 Djinn
				Teryjon Aviation, Inc.	Fast Kat I (U.S. Army OH-13Ś)
				The Boeing Company Vertol Division	(H21B, H-21C) 42A, 42B, 44A, 44B
				The Enstrom Helicopter Corporation	280, 280C, 280F, 280FX, 480, 480B, F-28, F-28A, F-28C, F-28C-2, F-28C-2R, F-28F, F-28F-R, TH-28
				The Kaman Aircraft Corp.	K-240 (Military HTK-1)
				The Kaman Aircraft Corp.	K-190A, K-225
				LED Taxi Light	01-0771833-25



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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Whelen Engineering Company, Inc.
51 Winthrop Road
Chester, CT. 06412-0684

PMA NO. PQ0610NE
SUPPLEMENT NO. 45
DATE 29 October 2015

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility ⁽¹⁾
LED Taxi Light	01-0771833-25	Modification Part	STC SR00359BO DWG No: 71833 Rev: B Date: 3/13/2014 or later FAA-approved revisions	Agusta S.p.A.	A109, A109A, A109A II, A109C, A109E, A109K2, A109S, A119, AW119 MKII, AW109SP
				Air & Space America. Inc.	18A
				Airbus Helicopters Deutschland GmgH	BO-105A, BO-105C, BO-105LS A-1, BO-105LS A-3, BO-105S,
				Airbus Helicopters Deutschland GmgH	EC135P1, EC135P2, EC135P2+, EC135T1, EC135T2, EC135T2+
				Airbus Helicopters France	AS350B, AS350B1, AS350B2, AS350B3, AS350BA, AS350C, AS350D, AS350D1, EC130 B4, EC130 T2
				Airbus Helicopters France	EC120B
				Airbus Helicopters France	SA341G, SA342J
				Airbus Helicopters France	SA.315B Alouette III, SA.316B Alouette III, SA.316C Alouette III, SA.319B Alouette III, SE.3160 Alouette III
				Airbus Helicopters France	AS355E, AS355F, AS355F1, AS355F2, AS355N, AS355NP
				Airbus Helicopters France	SA 318B-Alouette II Astazou, SA 318C-Alouette II Astazou, SA 3180-Alouette II Astazou, SE 313B-Alouette II, SE 3130-Alouette II



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LED Taxi Light	01-0771833-25	Modification Part	STC SR00359BO <u>DWG No:</u> 71833 <u>Rev:</u> B <u>Date:</u> 3/13/2014 or later FAA-approved revisions	Bell Helicopter Textron Canada Limited	206, 206A, 206A-1 (OH-58A), 206B, 206L, 206L-1, 206L-3, 206L-4, 407
				Bell Helicopter Textron Canada Limited	427
				Bell Helicopter Textron Canada Limited	429
				Berlin Doman Helicopters, Inc.	LZ-5
				Brantly International, Inc.	B-2 (YHO 3BR), B-2A, B-2B
				Charles D. Linza	Navy HUP-3
				Consolidated Air Crane, Inc.	CH34A, CH34C, HSS-1/UH-34D, HSS-1N/UH-34J
				Continental Copters, Inc.	U.S. Army OH-13H
				Costruzioni Aeronautiche Giovanni Agusta S.p.a.	AB-102
				FH1100 Manufacturing Corporation	1100 (OH-5A), FH-1100
				Gifton McCreary	U.S. Army OH-13E, U.S. Army OH-13H
				Helicopter Technik Munchen GmbH & Co., Anlagen KG.	FJ Sky-Trac
				Hiller Aircraft Corporation	UH-12B (Navy HTE-2, Army H-23B), UH-12C
Hiller Aviation	UH12L, UH-12L4				



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LED Taxi Light	01-0771833-25	Modification Part	STC SR00359BO DWG No: 71833 Rev: B Date: 3/13/2014 or later FAA-approved revisions	Hiller Aviation	UH-12, UH-12A (Navy HTE-1, Army H-23A)
				Hiller Aviation	UH-12D (Army UH-23D)
				Invest In Opportunities, Inc. JJASPP Engineering Services, LLC	HUS-1 UH-1H
				Kaman Aerospace Corporation	K-1200
				Lockheed-California Company	L-286
				McCulloch Motors Corporation	MC-4C (USAF YH-30)
				MD Helicopters Inc. (MDHI)	369 (Army YOH-6A), 369A (Army OH-6A), 369D, 369E, 369F, 369FF, 369H, 369HE, 369HM, 369HS, 500N, 600N
				MD Helicopters Inc. (MDHI)	MD900
				Omega Aircraft Corporation	BS-12D1
				Orlando Helicopter Airways, Inc.	CH-19E, H-19A, H-19D, H-19G, HRS-1/CH-19, HRS-3/H-19B, UH-19C, UH-19D, UH-19F, YH-19A
Orlando Helicopter Airways, Inc.	H-34A, HH-34J, SH-34J, UH-34D				
Pacific Aviation, Inc.	CH34A, CH34C, HSS-1/UH-34D, HSS-1N/UH-34J				



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LED Taxi Light	01-0771833-25	Modification Part	STC SR00359BO <u>DWG No:</u> 71833 <u>Rev:</u> B <u>Date:</u> 3/13/2014 or later FAA-approved revisions	Robinson Helicopter Company	R66
				Robinson Helicopter Company	R44, R44 II
				Robinson Helicopter Company	R22, R22 ALPHA, R22 BETA, R22 MARINER
				Scheutzow Helicopter Corporation	Model B
				Scotts-Bell 47 Inc.	47G-2A, 47G-2A-1, 47G-3, 47G-3B, 47G-3B-1, 47G-3B-2, 47G-3B-2A, 47G-4, 47G-4A, 47G-5, 47G-5A
				Scotts-Bell 47 Inc.	47, 47B, 47B3, 47D, 47D1, 47E, 47G, 47G-2, 47H-1
				Scotts-Bell 47 Inc.	47, 47J, 47J-2, 47J-2A, 47K
				Siam Hiller Holdings, Inc.	UH12E, UH-12E-L (Army OH-23G) (Army H-23F)
				Sikorsky Aircraft Corporation	269A, 269A-1, 269B, 269C, 269C-1, 269D
				Sikorsky Aircraft Corporation	S-51
Sikorsky Aircraft Corporation	S-52				
Sikorsky Aircraft Corporation	S-52-2, S-52-3				
Sikorsky Aircraft Corporation	S-55, S-55B, S-55C				



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LED Taxi Light	01-0771833-25	Modification Part	STC SR00359BO <u>DWG No:</u> 71833 <u>Rev:</u> B <u>Date:</u> 3/13/2014 or later FAA-approved revisions	Sikorsky Aircraft Corporation	S-58A, S-58B, S-58BT, S-58C, S-58D, S-58DT, S-58E, S-58ET, S-58F, S58FT, S58G, S-58H, S-58HT, S-58J, S-58JT
				Silvercraft S.co.p.a.	SH-4
				Sterling Aircraft Industries, Inc.	(Army) H-25A , (Navy) HUP-2, (Navy) HUP-3
				Sud Aviation	SO. 1221 Djinn
				Teryjon Aviation, Inc.	Fast Kat I (U.S. Army OH-13S)
				The Boeing Company Vertol Division	(H21B, H-21C) 42A, 42B, 44A, 44B
				The Enstrom Helicopter Corporation	280, 280C, 280F, 280FX, 480, 480B, F-28, F-28A, F-28C, F-28C-2, F-28C-2R, F-28F, F-28F-R, TH-28
				The Kaman Aircraft Corp.	K-240 (Military HTK-1)
				The Kaman Aircraft Corp.	K-190A, K-225

Notes:

⁽¹⁾ Installation is limited to the previously approved landing / taxi light lamp size, voltage and location(s).



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----- (End of Listing) -----

Note: The procedures that have been accepted by the type certificate or TSO authorization holder and its cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§21 319 and 21 619) to drawings and specifications are to be handled in the same manner as that for an original PMA.

JW
Richard Warren
Manager, Manufacturing Inspection District Office,
NE-MIDO-41