

- STOP -

SOME CONVERSION KITS SUPPORT NUMEROUS MODELS OF AIRCRAFT TOGETHER WITH THE VARIOUS MOUNTING AND ROUTING CONFIGURATIONS OF EQUIPMENT BEING REPLACED. THEREFORE, SOME KITS WILL NOT INCLUDE THE HARDWARE NEEDED TO COMPLETE THE INSTALLATION. THIS HARDWARE MUST BE PURCHASED SEPARATELY.

Note!

Unless otherwise noted, listed Wheels and Brakes are FAA TSO C26 Approved.

For a product to be TSO qualified, it has to have successfully demonstrated its ability to meet minimum performance standards in accordance with FAA recognized rating methods. The TSO approval of a product does not constitute installation approval or applicability on an FAA Type Certificated Aircraft. It is the responsibility of those installing these products to determine that the aircraft installation and its wheel and brake performance requirements are compatible for the TSO ratings of the wheel and brake. TSO approved products must have separate approval for installation in a FAA type certificated aircraft. TSO Approved Products may be installed only if performed under Title 14 CFR Part 43 or the applicable airworthiness requirements.

Prior to installing kits, please verify that the wheel and brake assembly numbers as listed match the model numbers as indicated on the nameplates.

For quick reference, disc and lining part numbers are listed in the directory. Manufacturers and aircraft are listed alphabetically with models listed numerically. For other replacement parts on your assemblies, turn to the numerical assembly listing for a particular parts breakdown.

Actions affecting a particular kit will be noted below each applicability data table. Always check for additional information such as superseding equipment, applicable upgrades and other pertinent information in the numerical assembly listing parts breakdown.

For technical assistance, contact the

TECHNICAL SERVICES HOTLINE:

techhelp@parker.com

Fax: 440-937-5409

1-800-BRAKING (272-5464)

Cleveland
Wheels & Brakes



Applicability Data

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
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Aero Commander

Lark 100-180	199-188	6.00-6	40-86A	164-02000	164-12000	30-56F	066-10500	O
Comments: Installation per FAA STC SA1635GL.								

Ayres

S-2R (Thrush)	199-68A	29 x 11.00-10	40-133	N/A	164-05806	30-98A	066-10800	O
Comments: Replaces surplus 27" W & B. Installation per FAA STC SA162GL. Use Automotive Brake Fluid only.								

Cessna

120, 140 (S/N 8004 thru 13399), 120, 140, 140A (S/N 13400 & up), 170, 170A, 170B, 172, 172A thru 172E, 175, 175A, 175B, 175C, P172D, 180, 180A thru 180F, 182, 182A thru 182G.	199-46 (1)	6.00-6	40-97A	164-02601	164-12601	30-63A	066-10500	O
Comments: Converts Goodyear to Cleveland; Cannot be used with crosswind landing gear. Installation per FAA STC SA13GL.								
180, 180A thru 180H, 180J, 180K, 185, 185A thru 185E, A185E, A185F, 206, P206, U206, U206F, U206G, TU206E, TU206F, TU206G	199-62 (1)	8.00-6	40-75D	164-03601	164-13601	30-52N	066-10500	O
	199-62A (1)	8.00-6	40-75T	164-08300	164-18300	30-52N	066-10500	O
Comments: These kits to be used only with Cessna Axle P/N 0541124 and 1441003-1. Not for use on aircraft equipped with crosswind landing gear. Installation per FAA STC SA63GL.								
180, 180A thru 180F, 180H, 180J, 185, 185A, 185B, A185E, A185F, 206E, 206F, TU206E, TU206F, 210, 210A, 210B, 210C, 210K, 210L, 210M, T210C, T210K, T210L, T210M	199-60 (1)	6.00-6 15 x 6.00-6	40-75B	164-01501	164-11501	30-52	066-10500	O
Comments: This kit is to be used only with Cessna Axles P/N 0541124 and 1441003-1. Not for use on aircraft equipped with crosswind landing gear. Installation per FAA STC SA52GL and SA62GL.								
P210N (S/N P21000001 thru P21000150)	199-60A (1)	6.00-6	40-75B	164-01501	164-11501	30-52U	066-10500	O
Comments: Installation per FAA STC SA52GL.								
190, 195, 195A, 195B	199-61	6.50-10	40-40C	164-00806	N/A	30-28C	066-03300	M
Comments: This kit is not for use on aircraft equipped with crosswind landing gear. Installation per FAA STC SA54GL.								

(1) Also available with chrome plated brake discs. To order, specify kit number followed by "CHROME".

Applicability Data

Conversion Kit – Single Engine

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
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deHavilland

Chipmunk DHC-1-21, -22, -22A DHC-1B-2-S3, -S5	199-79 (1)	6.00-6	40-97D	164-02601	164-12601	30-63P	066-10500	O
	Comments: Installation per FAA STC SA748S0, SA1011S0.							
Beaver DHC-2 Mk.I, Mk II, Mk. III	199-95	7.50-10	40-134	164-06306	N/A	30-99	066-06600	M
	Comments: Installation per FAA STC SA1402GL or Canadian STA SA90-1.							

(1) Also available with chrome plated brake discs. To order, specify kit number followed by "CHROME".

Ercoupe

E, G, 415-C, 415-D & 415-CD (S/N 813 & up) ERCO FORNEY F-1, F-1A	199-69	6.00-6	40-41	164-00300	N/A	30-30	066-10500	O
	Comments: Installation per FAA STC SA120GL, SA127GL.							

Globe Swift

GC1A, GC1B	199-48 (1)	6.00-6	40-113C	164-04300	164-14300	30-79B	066-10500	O
	Comments: Installation per FAA STC SA2GL.							

(1) Also available with chrome plated brake discs. To order, specify kit number followed by "CHROME".

Navion

A, B, D, E, F, G, H	199-52	7.00-8 (Main) 6.00-6 (Nose)	40-98D (Main) 40-76B (Nose)	164-02701	N/A	30-66B	066-11000	O
	Comments: Main and Nose wheel. Installation per FAA STC SA36GL.							
A, B, D, E, F, G, H	199-52A	7.00-8	40-98D	164-02701	N/A	30-66B	066-11000	O
	Comments: Mains only, Installation per FAA STC SA46GL.							

Applicability Data

Conversion Kit – Single Engine

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
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Raytheon Aircraft Company (1)

A-23,19, 19A, M19A, B19 (S/N MB-1 thru MB-521), 23, A23, A23A, B23, C23 (S/N M-2 thru M1361), A23-24, A24 (S/N MA-1 thru MA-268), A24R (S/N MC-2 thru MC-97)	199-124 (2)	6.00-6	40-113C	164-04300	164-14300	30-75B	066-10500	O
	Comments: Installation per FAA STC SA178GL.							
35, A35, B35, C35, D35, E35, F35, G35, 35R, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33A, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, A36	199-49 (2)	6.00-6 7.00-6	40-83	164-02504	164-12504	30-54	066-10500	O
	Comments: Installation per FAA STC SA11GL.							
35, A35, B35, C35, D35, E35, F35, G35, 35R, H35, J35, K35, M35, N35, P35, S35, 45(TY-34), A45 (T-34A, B-45), D45 (T-34B)	199-50	6.50-8	40-98	164-02706	N/A	30-66	066-04400	M
	Comments: Installation per FAA STC SA19GL. (Also applicable to Beech Baron-Twin Engine).							
(1) Formerly Beech.								
(2) Also available with chrome plated brake discs. To order, specify kit number followed by "CHROME".								

Stinson

108 Series	199-87 (1)	7.00-6	40-97D	164-02601	164-12601	30-63Q	066-10500	O
	Comments: This kit available only from Univair. Installation per Univair TC approval.							

(1) Also available with chrome plated brake disc. To order, specify kit number, followed by “CHROME”.

Applicability Data

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
Cessna								
310, 310A thru 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, T310P, 310Q, T310Q, 310R, T310R, 320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F	199-64	6.50-10	40-40B	164-01406	N/A	30-28D	066-03300	M
	Comments: Installation per FAA STC SA110GL, SA111GL.							
340, 340A, 401, 401A, 401B, 402, 402A, 402B, 411, 411A, 414	199-72	6.50-10	-----	164-06406	N/A	30-100	066-06600	M
	Comments: Upgrades existing Cleveland wheel & brake 40-40A/30-28B to heavy duty 40-135/30-100. Installation per FAA STC SA167GL, SA281GL.							
340, 340A, 401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 414A, 421, 421A, 421B, 421C	199-76	6.50-10	40-135A	164-20306	N/A	30-100	066-06600	M
	Comments: Installation per FAA STC SA197GL, SA664GL.							
404	199-78	22 x 7.75-10	40-132	164-09100	N/A	30-97	066-06400	M
	Comments: Installation per FAA STC SA781GL.							
441	199-115	22 x 7.75-10	40-169	164-20700	N/A	30-143	066-07300	M
	Comments: Installation per FAA STC SA644GL.							
500, 501, 550, 551, S550	199-137	18 x 4.4	40-212	-----	-----	-----	-----	----
	Comments: Nose Wheel conversion kit. Installation per FAA STC SA882GL, SA883GL.							
500, 501, 550, 551	199-164	22 x 8.0-10	40-239	159-03500	N/A	30-189A	109-00100	----
	Comments: For aircraft with power assist brakes only. Installation per FAA STC SA1297GL, SA1298GL.							
S550	199-177	22 x 8.0-10	40-202	159-03500	N/A	30-161A	109-00100	----
	Comments: Installation per FAA STC SA1441GL.							
deHavilland								
Twin Otter DHC-6-1, -100, -200, -300	199-92	11.00-12	040-21101	164-22400	N/A	30-170	066-10000	M
	Comments: Installation per FAA STC SA1065GL.							
Embraer								
EMB-110 P1, EMB-110 P2	199-128	6.50-8 (Nose)	40-193	-----	-----	-----	-----	----
	Comments: Nose Wheel conversion kit. Installation per FAA STC SA814GL.							
Grumman								
G21, G21A	199-65	32 x 8.8	40-127	N/A	159-00700	30-91	066-11300	O
	Comments: Installation per FAA STC SA99GL.							
Widgeon G44, G44A, Scan Type 30	199-4	7.50-10	40-46	N/A	159-00300	30-31	066-11700 066-11900 066-11800	O
	Comments: Installation per FAA STC SA121EA.							
Mallard G-73 and Turbo Conversions	199-113	32 x 8.8, 9.50-16	40-174	N/A	159-00900	30-148	066-11300	O
	Comments: Installation per FAA STC SA651GL.							

Applicability Data

Kit Directory

Conversion Kit – Twin Engine

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
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Learjet

24, 24A, 24B, 24B-A, 24C, 24D, 24D-A, 24E, 24F, 24F-A, 25, 25A, 25B, 25C, 25D, 25F, 35, 35A, 36, 36A, 55	199-175	18 x 4.4	40-212 (Nose)	-----	-----	-----	-----	----
Comments: Nose Wheel Conversion Kit. Installation per FAA STC SA1459GL.								

Mitsubishi

MU-2B, MU-2B-10, -15, -20, -25, -26, -26A, -30, -35, -36, -36A, -40, -60	199-101	8.50-10	40-148	164-07200	N/A	30-131	066-09000	M
Comments: Installation per FAA STC SA648GL, SA652GL or Canadian STA SA90-118.								
MU-2B-20, -25, -26, -26A, -35, -36, -36A, -40, -60	199-121	-----	-----	-----	-----	-----	-----	----
Comments: Upgrades existing 40-87 Nose Wheel to 40-87F. Provides improved bearing seals. Installation per STC SA684GL, SA685GL.								

Piper

Aztec Series	199-63 (2)	7.00-6	-----	164-05700	N/A	30-96	066-06200	M
Comments: Upgrades existing Cleveland wheels and brakes to 40-131/30-96. Installation per ESB 7000-4.								
PA-31T, PA-31T1	199-89 (2)	6.50-10	40-106	164-03906	N/A	30-106	066-06800	M
Comments: Installation per Piper service kit #764-039.								
PA-31-310, PA-31-325, PA-31-350	199-66 (2)	6.50-10	-----	164-07906	N/A	30-95A	066-06600	M
Comments: Upgrades aircraft from standard Cleveland 3-piston 40-102/30-68 series to 4-piston 40-130/30-95A. Installation per service kit #761-064.								
PA-31P (425 HP), PA-31-350	199-83	6.50-10	40-141	164-07700	N/A	30-123	066-06800	M
Comments: For aircraft with 1 5/8" axle. Installation per FAA STC SA284GL, SA295GL.								
PA-31, PA-31-300, PA-31-325, PA-31-350	199-100	6.50-10	40-162	164-07700	N/A	30-138	066-06800	M
Comments: For aircraft with 1 1/2" axle. Installation per FAA STC SA563GL.								
PA-31T2	199-111(1)	6.50-10	40-167	164-20600	N/A	30-142	066-07300	M
Comments: Installation per FAA STC SA599GL.								
PA-42, PA-42-720	199-112	6.50-10	40-166	164-07400	N/A	30-141	066-07300	M
Comments: Installation per FAA STC SA600GL. NOTE: Use only with original equipment tires - Goodrich (Piper P/N 551 652) or McCreary (Piper P/N 551 604).								

(1) SB7034-1 Service Bulletin Kit, for replacement of landing gear emergency extension air line. STC approved per SB7034.

(2) Order from airframe manufacturer only.

Applicability Data

Kit Directory

Conversion Kit – Twin Engine

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
Raytheon Aircraft Company (1)								
D18C, D18S, E18S, E18S-9700, G18S, H18, C45G, TC-45G, RC-45J, C-45H, TC-45H, TC-45J, JRB-6, 3N, 3NM, 3TM	199-127	8.50-10 8 or 10 ply	40-170	164-20900	N/A	30-144B	066-09000	M
	Comments: Applicable to Tricycle landing gear with 10" main wheel & brake. Installation per FAA STC SA788GL.							
	199-129	5.00-5	40-168 (Tail)	-----	-----	-----	-----	----
	Comments: Converts Tail Wheel to 5.00-5 Type III. Installation per FAA STC SA829GL.							
	199-141	11.00-12	040-21101	164-22400	N/A	30-170	066-10000	M
Comments: Applicable to aircraft equipped with 12" main wheel & brake. Installation per FAA STC SA1222GL.								
D55, D55A, E55, E55A, 95, B95, B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B, 95-C55, 95-C55A	199-50	6.50-8	40-98	164-02706	N/A	30-66	066-04400	M
	Comments: Uses 2 piston brake. Installation per FAA STC SA19GL. (Also applicable to Beech Bonanza - Single Engine).							
D55, D55A, E55, E55A, 58, 58A, 95, B95, B95A, D95A, E95, 95-55, 95A-55, 95-B55, 95-B55A, 95-B55B, 95-C55, 95-C55A	199-138	6.50-8 19.5 x 6.75-8	40-128D	164-06106	N/A	30-93C	066-09700	M
	Comments: Uses 3 piston brake. Installation per FAA STC SA912GL.							
50, B50, C50, D50, D50A, D50B, D50C, D50E, E50, F50, G50, H50, J50	199-88	8.50-10	40-134A	164-06306	N/A	30-99	066-06600	M
	Comments: Applicable only to models modified per Excalibur STC SA75SW. Installation per FAA STC SA390GL.							
58P, 58TC, 60, A60, B60	199-73	6.50-8 19.5 x 6.75-8	40-128	164-06106	N/A	30-93	066-04400	M
	Comments: Installation per FAA STC SA178GL, SA179GL.							
65, A65, 70, 65-80, 65-A80, 65-B80, 65-88	199-123	8.50-10	40-170B	164-22900	N/A	30-144A	066-09000	M
	Comments: Installation per FAA STC SA673GL.							
A90, B90, C90, C90A, E90, H90, 65-A90-1, 65-A90-4	199-90	8.50-10	40-170A	164-20900	N/A	30-144	066-09000	M
	Comments: Installation per FAA STC SA619GL or Brazilian STC 9910-04.							
F90, 99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200C, 200CT, 200T, A200, A200C, A200CT, B200, B200C, B200CT, B200T	199-110	18 x 5.5	40-289	164-21000	N/A	30-146	066-09100 066-09200	M
	Comments: For aircraft equipped with standard landing gear. Installation per FAA STC SA646GL, SA650GL, SA890GL.							
	199-168	-----	-----	-----	-----	-----	-----	----
Comments: Hot Air Manifold Kit for aircraft equipped with brake deice. Installation only in conjunction with Kit 199-110.								
F90, 99, 99A, A99A, B99, C99, 100, A100, B100, 200, 200C, 200CT, 200T, B200, B200C, B200T, B200CT	199-125	6.50-10 22 x 6.75-10	40-203	159-01200	N/A	30-162	109-00200	M
	Comments: For aircraft equipped with High Flotation Landing Gear. Installation per FAA STC SA757GL, SA1509GL, SA1510GL.							

Applicability Data**Kit Directory****Conversion Kit – Twin Engine**

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
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Raytheon Aircraft Company (1) (continued)

65, A65, 65-80, 65-A80, 65-B80, 70, 90, A90, B90, C90, E90, F90, 99, A99, A99A, B99, C99, 100, A100, B100, 200, 200C, 200CT, 200T, B200, B200C, B200T, B200CT, 300	199-126	6.50-10 22 x 6.75-10	40-204 (Nose)	-----	-----	-----	-----	----
	Comments: Nose wheel conversion kit. Installation per FAA STC SA757GL, SA1061GL, SA1077GL, SA1242GL, SA380CH.							
1900C, 1900D	199-184	6.50-10 22 x 6.75-10	40-273A	159-04000	N/A	30-204	109-00201	M
	Comments: Installation per FAA STC SA1789GL. Inactive, superseded by 199-220 Kit.							
	199-220	6.50-10 22 x 6.75-10	40-273A	159-05900	N/A	30-204A	109-00201	M
	Comments: Installation per FAA STC SA1789GL.							
	199-256	6.50-8 19.5 x 6.75-8	40-450 (Nose)	-----	-----	-----	-----	----
	Comments: Nose wheel conversion kit. Installation per FAA STC SA02204CH.							
1900D	199-213	-----	-----	-----	-----	-----	-----	----
	Comments: Brake De-ice manifold kit. Installation only in conjunction with kit 199-220 or 199-220A. For aircraft equipped with Beech brake de-ice manifold P/N 114- 810088-5. 2 Kits required per aircraft.							
1900D	199-220A	6.50-10 22 x 6.75-10	40-273B	159-05900	N/A	30-204A	109-00201	M
	Comments: For aircraft equipped with anti-skid. Installation per FAA STC SA1789GL.							
1900C	199-212	-----	-----	-----	-----	-----	-----	----
	Comments: Brake De-ice manifold support kit. Installation only in conjunction with kit 199-220. For aircraft with Beech brake de-ice manifold P/N 101-810071-1. 2 kits required per aircraft.							

(1) Formerly Beech.

Schafer Aircraft Modifications Inc.

Piper Model PA-31-350 modified by Schafer STC SA4678SW. (1)	199-119	6.50-10	40-195	164-21900	N/A	30-158	066-06800	M
	Comments: Installation per FAA STC SA721GL.							

(1) Design sold to EMBRAER - to become EMB 820, N-821.

Shorts Brothers Ltd.

SD3-30, SD3-60, SD3 Sherpa, SD3-60 Sherpa	199-139	9.00-6	40-210	-----	-----	-----	-----	----
	Comments: Nose Wheel Conversion Kit. Installation per FAA STC SA910GL or Canadian STA SA91-111.							

Applicability Data

Conversion Kit – Twin Engine

Model/ Name	Kit Number	Tire Size	Main Wheel Assembly	Standard Disc	Chrome Disc	Brake Assembly	Lining	Type
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Swearingen Aircraft

Merlin SA26-T, -AT	199-150	8.50-10	40-170	164-20900	N/A	30-144A	066-09000	M
	Comments: Installation per FAA STC SA1009GL.							

Twin Commander Aircraft Corp. (1)

500, 500A, 500B, 500S, 500U	199-122	8.50-10	40-198	164-22000	N/A	30-159B	066-09000	M
	Comments: Installation per FAA STC SA706GL.							
	199-122A	8.50-10	40-198	164-22000	N/A	30-159C	066-09000	M
	Comments: For aircraft using Skydrol brake fluid. Installation per FAA STC SA706GL.							
560F, 680F, 680FL, 680FL(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A, 695B	199-80	8.50-10	40-107A	164-07200	N/A	30-107E	066-09000	M
	Comments: Installation per FAA STC SA497GL.							
	199-80A	8.50-10	40-107A	164-07200	N/A	30-107D	066-09000	M
	Comments: For aircraft using Skydrol brake fluid. Installation per FAA STC SA497GL.							
500, 500A, 500B, 500S, 500U, 560A, 560E	199-174	6.00-6	40-140	-----	-----	-----	-----	-----
	Comments: Nose Wheel conversion kit. Installation per FAA STC SA1457GL.							
560F, 680, 680E, 680FL, 680FL(P), 680F, 680V, 680W, 681, 685, 690, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A, 695B, 720	199-174	6.00-6	40-140	-----	-----	-----	-----	-----
	Comments: Nose Wheel conversion kit. Installation per FAA STC SA1458GL.							

(1) Formerly Gulfstream Aerospace.

Applicability Data

Model/ Name	Kit Number	Main Wheel Assembly	Main Brake Assembly	Nose Wheel Assembly	Master Cylinder Assembly
Aircraft Designs					
Stallion	-----	40-75B	30-52	40-87	10-19J
American Homebuilts					
John Doe STOL	199-104C	40-59A	30-59A	-----	-----
	199-105C	40-113X	30-75X	-----	-----
D and J Harmon					
Harmon Rocket	199-152	40-151	30-133	-----	-----
D.F.L. Holdings					
Tango	199-152	40-151	30-133	40-77	10-19 / 10-35
Explorer Aeronautique					
Private Explorer Standard	199-62	40-75D	30-52N	-----	-----
Private Explorer Float Equipped	-----	40-101	30-67B	-----	-----
Express Aircraft					
Express 2000 / 2000 RG	199-60	40-75B	30-52	-----	-----
Four Winds Aircraft					
192 / 210 / 250T	199-60	40-75B	30-52	40-77G	10-19J
Hensley Aircraft					
F-19 Wolf Aerobatic	199-46	40-97A	30-63A	-----	-----
F-19 Wolf Utility	199-62	40-75B	30-52	-----	-----
Lancair					
Lancair IV Standard	199-208	40-96E	30-61E	40-77	10-19J
Lancair IV High Energy	199-224	40-406	30-233	40-77	10-19J
Lancair IV High Energy Upgrade	199-224A	-----	091-21200	-----	-----
Legacy FG / RG	199-152	40-151	30-133	-----	10-88
Murphy Manufacturing					
Rebel	199-71	40-60A	30-60A	-----	-----

If your make & model aircraft is not on the applicability chart, please contact the Cleveland Technical Hotline at (800) 272-5464 for help.

Most of the kits are available with chrome brake discs.

For a 5-inch dust shield order 157-00900. For a 6-inch dust shield order a 157-00800.

WARNING! The user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

Applicability Data

Model/ Name	Kit Number	Main Wheel Assembly	Main Brake Assembly	Nose Wheel Assembly	Master Cylinder Assembly
New Glasair Contact New Glasair for Applicability					
Pacific Aerosystems					
Sky Aero	199-102	40-78B	30-9	-----	-----
F300	199-60A	40-75B	30-52N	-----	-----
Performance Aircraft					
Legend	-----	40-96E	30-61E	40-77	-----
Pitts					
S1-C, S1-S (Pitts Special)	199-102	40-78B	30-9	-----	10-20
	199-103	40-78J	30-9C	-----	10-20
Rans					
S-7C	199-104	40-59A	30-59A	-----	-----
S-16	199-102	40-78B	30-9	-----	-----
SkyStar Aircraft					
Kit Fox	199-215	40-281	30-224	-----	-----
Pulsar	199-102	40-78B	30-9	-----	-----
Steen Aero Lab					
Skybolt	199-104	40-59A	30-59A	-----	10-19 / 10-19H
	199-105	40-113X	30-75X	-----	10-19 / 10-19H
Vans Aircraft					
RV-3 thru RV-9	199-102	40-78B	30-9	40-77	10-30
RV-10	199-104	40-59A	30-59A	-----	10-30
	199-104A	40-59A	30-59E	-----	-----
Velocity Aircraft					
SE / XL	199-60	40-75B	30-52	-----	-----

If your make & model aircraft is not on the applicability chart, please contact the Cleveland Technical Hotline at (800) 272-5464 for help.

Most of the kits are available with chrome brake discs.

For a 5-inch dust shield order 157-00900. For a 6-inch dust shield order a 157-00800.

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Applicability Data

Description	Order Code Number	Tire Size	Wheel Assy	Standard Disc	Chrome Disc	Brake Assy	Lining	Type	Comments
Kit Built/Experimental and General Usage									
Heavy Duty Upgrade Kit	199-09300 (4) P/N 199-93	5.00-5	40-230	164-09900	N/A	30-181A	066-10600	O	Magnesium wheel Aluminum brake (3).
Kit Built/Experimental Standard Energy Brake	199-10200 (2) P/N 199-102	5.00-5	40-78B (4)	164-01700	164-11700	30-9 (4)	066-10600	O	Magnesium wheel / brake (3).
Kit Built/Experimental CHROME Standard Energy Brake	199-10203 (1)(2) P/N 199-102	5.00-5	40-78B CHROME	164-01700	164-11700	30-9	066-10600	O	Magnesium wheel / brake (3).
Kit Built/Experimental 1-1/4" Axle	199-10300 (2) P/N 199-103	5.00-5	40-78J	164-01700	164-11700	30-9C	066-10600	O	Aluminum wheel / brake (3).
Kit Built/Experimental CHROME 1-1/4" Axle	199-10303 (1)(2) P/N 199-103	5.00-5	40-78A CHROME	164-01700	164-11700	30-9C	066-10600	O	Aluminum wheel / brake (3).
Kit Built/Experimental 1-1/2" Axle	199-10400 (2) P/N 199-104	6.00-6	40-59A	164-07500	164-17500	30-59A	066-11200	O	Magnesium wheel / brake (3).
Kit Built/Experimental CHROME 1-1/2" Axle	199-10403 (1)(2) P/N 199-104	6.00-6	40-59A CHROME	164-07500	164-17500	30-59A	066-11200	O	Magnesium wheel / brake (3).
Kit Built/Experimental 1-1/2" Axle	199-10500 (2) P/N 199-105	6.00-6	40-113X	164-04000	164-14000	30-75X	066-10500	O	Aluminum wheel / brake (3).
Kit Built/Experimental CHROME 1-1/2" Axle	199-10503 (1)(2) P/N 199-105	6.00-6	40-113X CHROME	164-04000	164-14000	30-75X	066-10500	O	Aluminum wheel / brake (3).
Kit Built/Experimental High Energy Brake	199-15200 (2) P/N 199-152	5.00-5	40-151	164-08500	N/A	30-133	066-10500	O	Magnesium wheel / brake (3).
Kit Built/Experimental High Energy Brake	199-15201 (2) P/N 199-152A	5.00-5	40-151A	164-08500	N/A	30-133	066-10500	O	Aluminum wheel / brake (3).
Kit Built/Experimental Increased Energy Brake	199-15600 (2) P/N 199-156	5.00-5	40-230	164-09900	N/A	30-181A	066-10600	O	Magnesium wheel / brake (3).
General Usage	199-08400 (6)	6.00-6	40-113	164-04000	164-14000	30-75	066-10500	O	Aluminum wheel / brake (3).
General Usage	199-08401 (6)	6.00-6	40-113	164-04000	164-14000	30-75A	066-10500	O	Aluminum wheel / brake (3).
General Usage	199-08403 (1)(6)	6.00-6	40-113	164-04000	164-14000	30-75	066-10500	O	Aluminum wheel / brake (3).
General Usage	199-08413 (1)(6)	6.00-6	40-113	164-04000	164-14000	30-75A	066-10500	O	Aluminum wheel / brake (3).
Kit Built/Experimental	199-19700 (2)(6)	5.00-5	40-151	164-08500	N/A	30-164	066-06200	M	Magnesium wheel / brake (3).
Kit Built/Experimental 1-1/4" Axle	199-20400 (2)(6)	6.00-6	40-281	164-23400	N/A	30-214	066-10500	O	Magnesium wheel / brake (3).
Kit Built/Experimental	199-22300 (2)(6)	6.00-6	40-281	164-23400	N/A	30-214B	066-10500	O	Magnesium wheel / brake (3).
Kit Built/Experimental 1-1/2" Axle	199-25301 (5)(7)	6.00-6	40-75B	164-01501	164-11501	30-52	066-10500	O	Aluminum wheel / brake (3).

(1) Wheels are equipped with chrome plated brake discs.

(2) For detail design/rating information, refer to Cleveland drawing 50-76, general arrangement - Wheels & Brakes, 5" & 6".

(3) Wheels and Brakes are FAA TSO C26 Approved.

NOTE! For a product to be TSO qualified, it has to have successfully demonstrated its ability to meet minimum performance standards in accordance with FAA recognized rating methods. The TSO approval of a product does not constitute installation approval or applicability on an FAA Type Certificated Aircraft. It is the responsibility of those installing these products to determine that the aircraft installation and its wheel and brake performance requirements are compatible for the TSO ratings of the wheel and brake. TSO approved products must have separate approval for installation in a FAA type certificated aircraft. TSO Approved Products may be installed only if performed under Title 14 CFR Part 43 or the applicable airworthiness requirements.

(4) 199-93 Wheel & Brake Upgrade Kit converts wheel and brake to Heavy Duty.

(5) The Cleveland Wheels & Brakes as listed are FAA TSO C26 approved, quantity are furnished in pairs for replacement of existing equipment or initial installation on an experimental non FAA Type Certificated Aircraft. This ship set of parts also includes a spare set of brake linings, rivets and a Rebate Coupon (for when both linings and discs need to be replaced). See AWBCMM0001 Component Maintenance Manual for guidance of when and how to replace worn linings and discs.

(6) Be advised that the Order Code Number is used to identify a grouping of a pre-packaged ship set of TSO Approved wheels and brakes for customer ordering and shipping convenience. At time of installation of parts contained within, the installer is to refer only to the Part Number of each listed wheel and brake assembly to indicate what parts have been installed on the aircraft. Do not refer to the order code number for installation purposes, as it is not an FAA recognized part number.

(7) Be advised that the Order Code Number is used to identify a grouping of a pre-packaged ship set of TSO Approved wheels and brakes along with TSO Approved spare parts for customer ordering and shipping convenience. At time of installation of parts contained within, the installer is to refer only to the Part Number of each listed wheel and brake assembly to indicate what parts have been installed on the aircraft. Do not refer to the order code number for installation purposes, as it is not an FAA recognized part number.

Cleveland

Wheels & Brakes

