

PIPER AIRCRAFT
PA-28-181
AIRPLANE PARTS CATALOG

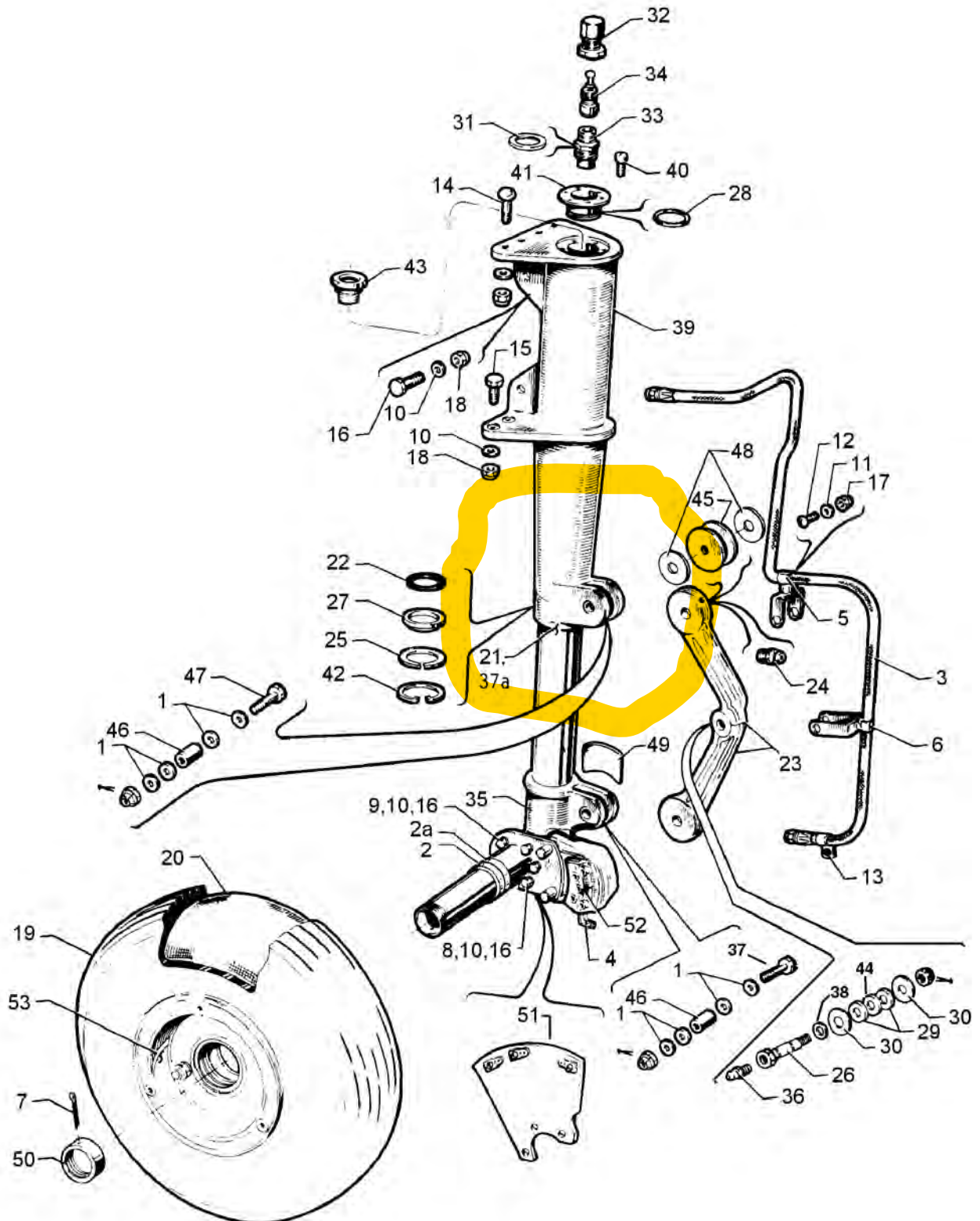


Figure 24. Main Gear Installation

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Figure and Index Number	Part Number	Code	Nomenclature	No. Req.	Serial Numbers Affected
24-	35644 62211		DRAWING - Main Gear Installation DRAWING - Main Gear Installation		28-7690001 thru 2890205 2890206 and up
-1	690-628		WASHER - (NAS1149F0563P) (one on either side of hose clip)	8	
-2	63484-000		SPACER - Main gear axle (0.153 wide)	2	
-2a	63308-000		SPACER - Wheel (0.50 wide)	1	
-3	63901-017		HOSE - Brake line	2	
-4	458-894		ELBOW - (MS20822-4D)	2	
-5	63332-003		CLIP - Hose	2	
-6	63332-006		CLIP - Hose	2	
-7	424-071		COTTER PIN - (MS24665-360)	2	
-8	406-945		NUT - (NAS679A4W)	6	
-9	404-826		NUT - (MS20364-428C)	6	
-10	690-611		WASHER - (NAS1149F0463P)	38	
-11	690-640		WASHER - (NAS1149FN632P)	8	
-12	415-518		SCREW - (MS35206-228)	6	
-13	63482-000		CLAMP - Brake hose	2	
-14	416-348		SCREW - (AN525-416-R20)	8	28-7690001 thru 289025
	416-349		SCREW - (AN525-416R22)	8	2890206 and up
-15	401-311		BOLT - (AN4-11A)	8	
-16	400-003		BOLT - (AN4-6A)	16	
-17	404-528		NUT - (MS21042-06)	4	
-18	404-530		NUT - (MS21042-4)	32	
-19	761-970		TIRE - (6.00 x 6, 4 ply) B. F. Goodrich	2	
	761-995		TIRE - (6.00 x 6, 6 ply) McCreary Airhawk	2	
-20	451-735		TUBE - (6.00 x 6)	2	
-21	35644-002	E	GEAR ASSEMBLY - Main, left (less tire, tube, wheel and brake assembly)	1	28-7690001 thru 2890205
	65492-006		GEAR ASSEMBLY - Main, left (less tire, tube, wheel and brake assembly)	1	2890206 and up
	35644-003	E	GEAR ASSEMBLY - Main, right (less tire, tube, wheel and brake assembly)	1	28-7690001 thru 2890205
	65492-007		GEAR ASSEMBLY - Main, right (less tire, tube, wheel and brake assembly)	1	2890206 and up
-22	484-769		* PACKING - Quad ring (4326)	1	
-23	78033-000		* LINK ASSEMBLY - Torque	2	
-24	460-823		* * FITTING - Lubricator (AS15001-1-P)	1	
-25	63307-000		* RING - Piston spacer	1	
-26	79543-002	A	* BOLT - Main gear torque link	1	28-7690001 to 28-7890231
	400-302		* BOLT - Main gear torque link (AN8-21)	1	28-7890232 and up
	404-105		* NUT - (AN310-8)	1	
	424-059		* COTTER PIN - (MS24665-283)	1	
-27	486-188		* RING - Scraper (AN6231-18)	1	
-28	484-792		* PACKING - O-ring (MS28775-218)	1	28-7690001 to 28-7790451
-29	63312-002		* WASHER - Torque link spacer (1/16 thickness)	2	
-30	62833-027		* WASHER - Torque link bolt	2	
-31	462-024		* GASKET - Air valve (AN901-5A)	1	
-32	454-053		* CAP - (AN813-1B) Air valve	1	
-33	453-124	F	* VALVE - (AN812-1) Air	1	
-34	455-124		* CORE - (AN809-1) Air valve	1	
-35	78738-002		* STUB AXLE AND OLEO PISTON ASSEMBLY - Left	1	
	78738-003		* STUB AXLE AND OLEO PISTON ASSEMBLY - Right	1	
-36	460-823		* FITTING - Lubricator (AS15001-1-P)	1	28-7690001 to 28-7890231
-37	400-165		* BOLT - (AN5-22)	1	
	690-628		* WASHER - (NAS1149F0563P)	4	
	690-619		* WASHER - (NAS1149F0532P)	AR	
	404-122		* NUT - (AN310-C5)	1	
	424-095		* COTTER PIN - (MS24665-151)	1	

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

Revised: May 2, 2022

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Figure and Index Number	Part Number	Code	Nomenclature	No. Req.	Serial Numbers Affected
24 -37a	35644-004	E	GEAR ASSEMBLY - Main, left (Service Only), (less tire, tube, wheel and brake assembly)	1	28-7690001 thru 2890205
	65492-010		GEAR ASSEMBLY - Main, left (Service Only), (less tire, tube, wheel and brake assembly)	1	2890206 and up
	35644-005	E	GEAR ASSEMBLY - Main, right (Service Only), (less tire, tube, wheel and brake assembly)	1	28-7690001 thru 2890205
	65492-011		GEAR ASSEMBLY - Main, right (Service Only), (less tire, tube, wheel and brake assembly)	1	2890206 and up
-38	407-569		* WASHER - (AN960-816L)	2	
-39	65489-000		* CYLINDER ASSEMBLY	1	
-40	401-918		* BOLT - (AN74-A3)	6	
-41	63315-000		* CYLINDER HEAD	1	
-42	63314-000		* RETAINING RING - Piston	1	
-43	65430-003		* ORIFICE ASSEMBLY	1	
-44	63312-000		* WASHER - Torque link spacer (1/8" thickness)	1	
-45	63311-000		* WASHER - Bearing (0.063 thick)	4	
-46	63310-000		* SPACER - Torque link	2	
-47	400-166		* BOLT - (AN5-23)	1	
	690-628		* WASHER - (NAS1149F0563P)	4	
	690-619		* WASHER - (NAS1149F0532P)	AR	
	404-122		* NUT - (AN310-C5)	1	
	424-095		* COTTER PIN - (MS24665-151)	1	
-48	63311-003		* WASHER - Bearing (0.005 thick)	AR	
-49	63933-000		PLACARD - Oleo service instruction (decal)	2	
-50	66820-000		NUT - Wheel retainer	2	
-51	63370-005		BRACKET ASSEMBLY - Wheel fairing, left	1	28-7790001 to 28-7790607
	63370-004		BRACKET ASSEMBLY - Wheel fairing, right	1	28-7790001 to 28-7790607
	37880-002		BRACKET ASSEMBLY - Wheel fairing, left	1	28-7890001 and up
	37880-003		BRACKET ASSEMBLY - Wheel fairing, right	1	28-7890001 and up
-52	551-705	B	BRAKE ASSEMBLY - (30-55)	2	
-53	551-764	C	WHEEL ASSEMBLY - (6.00 x 6) (40-86B)	2	

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