Aircraft Ignition Switches

Service
Instructions
& Illustrated
Parts List

10-357000 Series

September 1976 Printed in U.S.A. L-804-1

Bendix Engine Products Division

SECTION I

INTRODUCTION

1-1. This manual provides installation and overhaul instructions, test procedures and a detailed parts list for Bendix ignition and starter switches. The switches are designed to provide electrical control of ignition and associated aircraft engine circuits. Most Bendix switches are available with matching door locks, which will also be covered in the text. For specific features of switches refer to Service Parts List, Section V. Three series are covered 1) push to start, 2) twist to start and 3) GM and GBM.

1-2. The push to start and twist to start switches provide the same ignition functions and both have a five position switch. The twist to start, however, is available with "push to prime" features.

1-3. The GM and GBM series are four position switches. The GM series switches are designed to provide electrical control of both magnetos on single engine installations. The GBM series switches are designed for use with both battery and magneto ignitions.

1-4. The various switch position functions are listed below*. Switches are illustrated in Figure 1.

OFF — Both magnetos in-operative

R — Right magneto operating
Left magneto inoperative

L — Left Magneto operating
Right magneto inoperative

*Unless otherwise stated functions are relative to all switches except GBM.

BOTH — Both magnetos operative

START — Right magneto in-operative.

Booster operating thru left magneto retard breaker. With twist to start, starter solenoid energized and key or lever, will instantaneously return to both position upon engine starting. Push to start has same feature in START PUSH position. (Start feature not available on GM series.)

PUSH TO PRIME. Available on twist to start. Allows aircraft to be electrically primed either in BOTH or START position.

1-5. The following operating positions pertain to the GBM only. (See Figure 1 for illustration).

OFF — Battery timer not operating
Magneto not operating

B START — Battery timer operating
Magneto not operating

M — Battery Timer not operating
Magneto operating.

BOTH RUN — Battery timer operating
Magneto operating.

1-6. Bendix door locks are supplied with certain switches as listed in Service Parts List, Section V. Door locks supplied with key-actuated switches are actuated by the same key. Door locks listed in Service Parts List are also available separately and, when purchased this way, will have their own key. If a door lock or switch becomes damaged, a new one may be purchased separately.

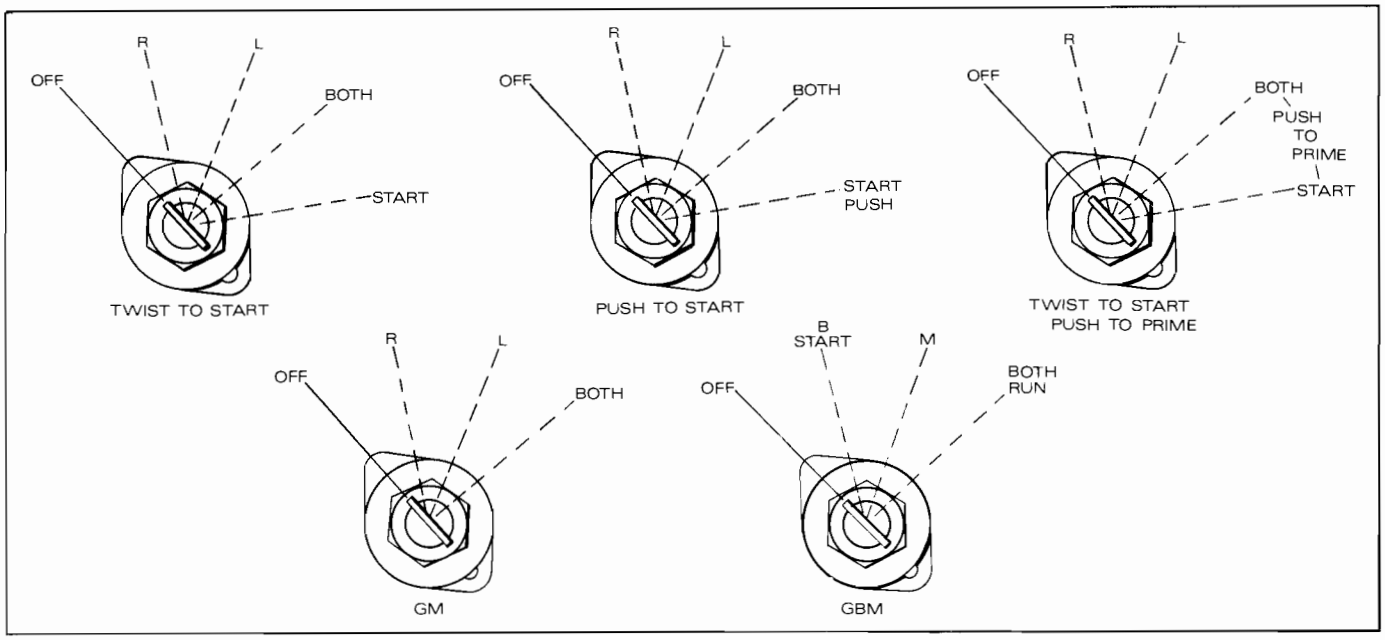

Figure 1. Switch Positions

SECTION II

INSTALLATION INSTRUCTIONS

2-1. Using the pertinent illustration in Figure 2 connect wires to their proper terminals using screws and lockwashers (nuts and lockwashers on GM and GBM series). Whenever the switch is used with a retard breaker magneto, attach lug terminal (23, figure 8) to the unmarked terminal and the R terminal. All terminal connections listed below will not apply to any single switch series, for application refer to Figure 2*.

Connections to the terminals are as follows:

GRD Ground

R Right Magneto

L Left Magneto

LR Left Magneto Retard Breaker

BO Booster Output

S Starter Solenoid

BAT Battery

PR Primer Solenoid (Engaged only on switches with "push to prime" feature incorporated.)

T Battery Timer (GBM)

M Magneto (GBM)

2-2. Lever must be removed prior to installation of lever type switches. To remove lever, remove screw and lockwasher and pull lever straight off.

2-3. Following lever removal, install-

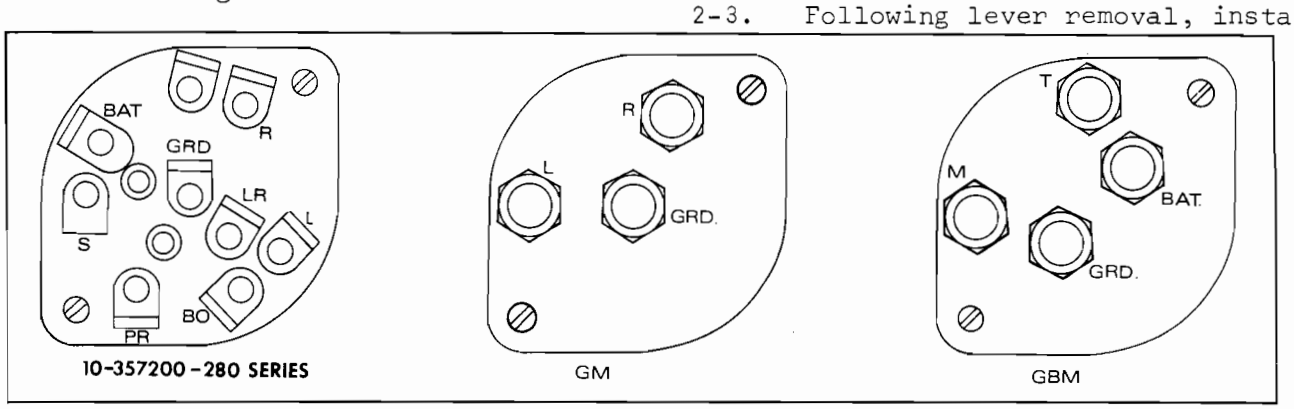

Figure 2. Switch Terminal Locations

*On 10-357210-1 switches connect start circuit to PR contact.

ation procedures for lever and key type are the same. The switches are installed from the rear of panel through a 7/8 inch hole with an alignment lug which fits in groove in switch housing. Recommended maximum panel thickness is 0.312 inches.

2-4. Remove knurled nut, and seat hex nut as close as possible to switch housing.

Note

The 10-357280-2 switch contains two hex nuts, rather than one knurled nut and a hex nut. Remove one nut and seat the other.

2-5. Insert switch assembly through hole in panel with keyway in switch aligned with lug. If it is desirable to install a position indicating dial, it must be installed over, and aligned with, the lug on threaded end of housing extending from control panel.

2-6. Tighten round knurled nut over threaded portion of switch. If possible secure switch firmly in place by tightening hex nut against rear of panel. Complete assembly is shown in Figure 3.

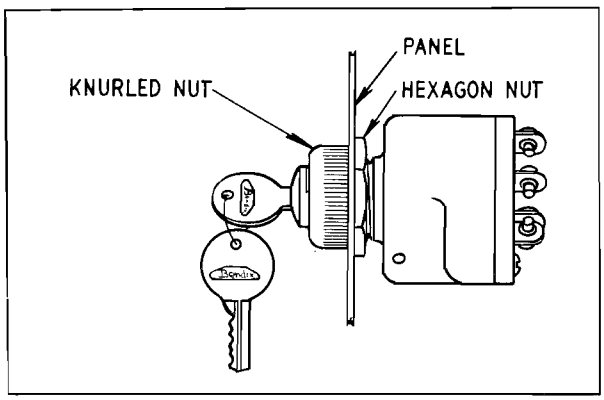

Figure 3. Side View of Mounted Switch

SECTION III

OVERHAUL

3-1. Overhaul instructions for all series switches except GM and GBM are covered in paragraphs 3-2 thru 3-21. For GM and GBM switches follow paragraphs 3-22 thru 3-34.

3-2. DISASSEMBLY (Figure 8).

3-3. On switches which incorporate a lever, remove lever (15) by removing screw (13) and lockwasher (14) from shaft (18). Remove nut (16 or 17) and dial (22) if used. Remove switch from panel and remove all wires from switch terminals. (On key actuated switches begin disassembly with removal of nut (16 or 17) and dial (22) if used.)

3-4. Remove self-tapping screws (1) and pull off support (2). Take out switch contacts (3) and springs (4). Remove self-tapping screw (1), lockwasher (5) and plain washer (6) from center of rotor (7).

3-5. Remove lock assembly (20) or shaft (18) from front of switch. Pull rotor (7) from housing (21). Lift spring (11) and retainer (12) from rotor (7).

3-6. The 10-357210 series switches incorporate a bushing (19) on end of lock assembly. Slide bushing from end of this assembly.

3-7. CLEANING AND INSPECTION.

3-8. Clean all switch parts thoroughly with trichlorethylene or other suitable solvent. Inspect switch rotor (7, figure 8) and contact support (2) for possible cracks and check contact surfaces for grooves or excessive wear. Inspect switch contact bracket (9) and switch contacts (3).

3-9. Inspect lock assembly and key for wear. When key is inserted, the brass tumblers should be flush with barrel. Small extensions may be filed off, or a new key may correct this condition.

3-10. If it is desirable to remove the contact bracket (9) in 10-357250 and 10-357210 series switches, pull pin (8) from switch rotor (7). Take out bracket (9) and spring (10).

3-11. If positioning spring, which is in switch housing (21), is broken, has weak spring tension or shows signs of considerable wear, replace switch housing.

3-12. LUBRICATION.

3-13. During reassembly, apply a light coating of Beacon P 290* non-conductive grease or equivalent to contact surfaces, contact wells in rotor and insulating surfaces over which contacts slide. Apply a light coat of same grease to lock assembly, to inside surfaces of switch housing, to surfaces of rotor which are in close proximity to switch housing and to positioning spring located in switch housing.

3-14. REASSEMBLY.

3-15. If switch is of the 10-357250 or 10-357210 series and bracket (9) has been removed for replacement, insert switch rotor spring (10) into bracket well. Position bracket (9) in place and secure with pin (8) through hole in side of rotor (7).

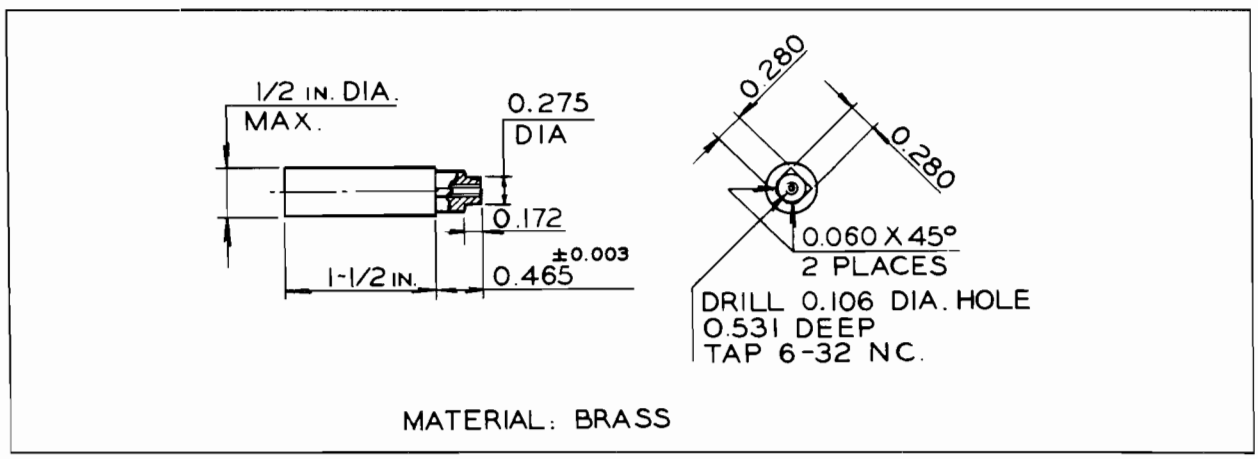

Figure 4. Fabrication of Assembly Tool

3-16. Fabricate an assembly tool similar to the one shown in figure 4. For assembly of spring (11) into rotor (7). There are two different methods:

Method I. Place spring (11) into rotor (7) with tang of spring engaged in groove inside of rotor. Place spring retainer (12) next to rotor with ear of spring engaged in small hole of retainer. Align chamfered edges of previously fabricated tool with the two chamfered edges of square hole in center of rotor. Insert tool into hole and start screw (1). To wind spring, hold rotor (7), turn retainer in a counter-clockwise direction until ear of retainer engages in slot of rotor (see figure 5). Tighten screw (1) into assembly tool to hold spring and retainer in position.

Method II. Place spring (11) into rotor (7) with tank of spring engaged in groove inside of rotor. Place spring engaged in small hole of retainer. See figure 5. To wind spring, hold rotor (7) and turn retainer in a counter-clockwise direction until ear of retainer engages in slot of rotor. Align chamfered edges of previously fabricated tool with the two chamfered edges of square hole in center of rotor. Insert tool into hole and tighten screw (1) into assembly tool to hold spring and retainer in position.

3-17. Insert complete assembly, tool end first, into switch housing (21) placing tool into tumbler hole. With a pointed tool, press against the positioning spring riveted to housing allowing rotor to fall completely into housing. Place thumb on rotor and remove screw (1) from assembly tool. Continue holding rotor and remove assembly tool from front of switch.

3-18. Install lock assembly (20) or shaft (18) into front of switch housing, aligning chamfered corners on shaft with chamfer corners of square hole in rotor. If switch is of the 10-357210 series, a bushing (19) is placed over end of lock assembly before installing into housing. With screw (1), plain washer (6) and lockwasher(5) secure rotor to lock assembly or shaft.

3-19. Install springs (4) with coil end toward contact into rotor (7) and place switch contacts (3) over the springs. Locate boss on switch contact support (2) over locating slot in housing (21) and press the two sections together. Holding the sections together turn lever or lock to any of the switch positions. If it will not turn withour undue effort check to see if the contacts are in their correct position, and not

*Available from ESSO Standard Oil Co., Johnson City, New York.

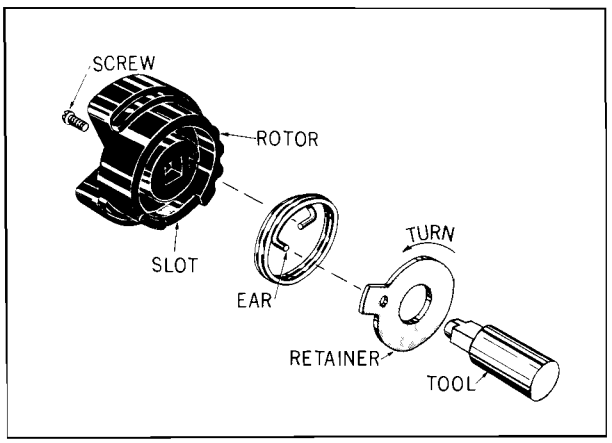

Figure 5. Assembly of Spring into Rotor

tilted. After making sure that no binding is present, secure the switch contact support with self-tapping screws (1).

3-20. After switch has been completely reassembled check it for ease of operation. There shall be little or no drag between stops. Check for positive stops in all positions. Check switch action for a positive and free spring return from the "START" position to the "BOTH" position. The switch shall not spring back beyond or "overtravel" the "BOTH" position.

3-21. For switches with "Push" features, check lever or key for a free pushing action in proper switch positions and for proper spring return from pushed position.

3-22. OVERHAUL OF GM and GBM SWITCHES.

3-23. DISASSEMBLY. (Figure 9)

3-24. Remove knurled nut (18) and dial (3) from switch. Remove switch from panel and disconnect wires from terminals by removing nuts (16) and lock washers (6). Remove hex nut (17). Remove two screws (7) which secure switch contact support (10) to housing (1). Lift two contact brackets (9) and coil springs (8) from switch rotor (4). Remove screw (7), lock washer (6) and flat washer (5) which secure rotor (4) to switch lock assembly (2). Switch lock assembly can now be removed from the housing.

3-25. CLEANING AND INSPECTION.

3-26. Clean all switch parts thoroughly using trichlorethylene or other suitable solvent and dry with an air blast.

3-27. Inspect switch housing (1, Figure 9), rotor (4), and contact support (10) for possible cracks or other damage. Inspect switch lock assembly (2) and key for wear. When key is inserted, the brass tumblers should be flush with barrel. Any small extensions may be filed off, or a new key may correct this condition. Inspect contacts (9) and contact surface of support (10) for excessive wear. Check positioning spring in the housing. If it is broken or worn excessively, replace housing. Check the fit between switch lock assembly (2) and rotor (4). Slide rotor on lock assembly, and holding rotor with one hand, try to turn lock assembly back and forth with other hand. If there is any excessive movement, replace rotor with one which fits snugly.

3-28. If it is desired to replace ground contact screws (11) or connector screws (14), remove nuts (16), lock washers (6), and plain washers (15). The long and short contact connectors (12 and 13) can also be replaced at this time, if necessary.

Note

Nuts (16) which hold ground contact screw (11) and contact connector screws (14) in place, should be torqued to 8-11 pound inches. If the maximum torque is exceeded, there is a possibility of cracking contact support (10).

3-29. REASSEMBLY.

3-30. Before reassembling the switch, apply a light coating of Beacon P-290 grease to the contact surfaces of support (10) and screws (11 and 14). Apply a light coating of the same grease to the surfaces of rotor (4) which contact the position spring in housing (1).

Note

Do not apply any grease to switch axle or disc tumblers.

3-31. Insert rotor (4) into housing (1) so that one of its positioning notches will align with the end of the position spring. (See Figure 6) Using a pointed tool, press against

the positioning spring allowing rotor (4) to seat completely into the housing. Place thumb on rotor to maintain this position. Install switch lock assembly (2) into front of switch housing and align chamfered edges on shaft with chamfer of square hole in rotor. Secure rotor to switch lock assembly (2) using plain washer (5), lock washer (6), and screw (7).

3-32. Apply a small amount of grease in the contact wells of the rotor, and install coil springs (8). Position

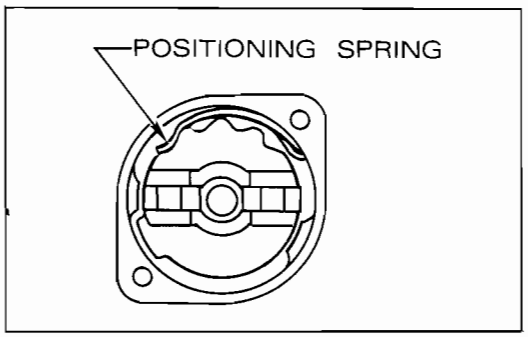

Figure 6. Proper Positioning of Rotor

contact brackets (9) over the springs.

Note

The two "U" shaped switch contact brackets should fit loosely in the contact wells, and should not require force to install.

3-33. Locate boss on support (10) over the locating slot in the housing (1) and squeeze the two sections together.

3-34. Holding the sections together, turn lock assembly (2) to any of the switch positions. If the switch lock will not turn without undue effort, check to see if the "U" shaped switch contact brackets (9) are tipped, as this will cause the switch to bind. After insuring that no binding is present, secure switch contact support (10) with screws (7).

SECTION IV

TESTING PROCEDURES

4-1. Testing procedures in paragraphs 4-2 and 4-3 pertain to all series switches except GM and GBM. Refer to paragraphs 4-4 and 4-5 for testing of GM, 4-6 thru 4-8 for GBM. If switch fails tests check for incorrect assembly or bent switch contact brackets.

4-2. Using the 11-3030-1 Tester or equivalent, check for continuity between each terminal and all other terminals, and between each terminal and housing, in all switch positions. The following chart indicates terminals which shall have continuity. If there is continuity between any other terminals and/or housing, the switch shall be rejected. It is not necessary to check continuity between the two terminals at R.

4-3. Using the 11-3030-1 Tester or equivalent, make a 7000 volt test of insulation resistance between each terminal and all others that are open circuited, and between each terminal and housing in all switch positions. A minimum reading of 0.8 milliamperes must be obtained. This 0.8 reading represents an insulation resistance of one meghohm. A reading of less than 0.8 is cause for rejection.

Switch Position	Between Terminals
OFF	R and GRD; L and GRD S and PR (Push to Prime)
RIGHT	L and GRD
LEFT	R and GRD
BOTH	No Continuity
START	BAT and S; R and GRD; L, LR and BO
PUSH TO PRIME (BOTH POSITION)	BAT and PR
PUSH TO PRIME (START POSITION)	BAT , S AND PR; R and GRD L, LR and BO

4-4. TESTING GM SERIES.

4-5. Using the Bendix 11-9110-1, or equivalent Timing Light connect black lead of Tester to GND terminal of switch, right lead to terminal R & left lead to terminal L.

The lights shall light and go out at the various switch positions as shown in table 1 below.

Key Position	Lights	
	Left	Right
OFF	ON	ON
R	ON	OFF
L	OFF	ON
BOTH	OFF	OFF

Test Indications of GM Switches
Table 1

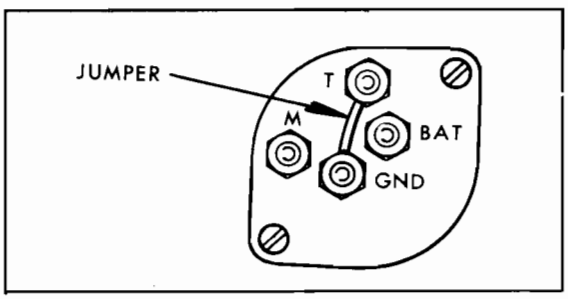

Figure 7. Jumper Installed On GBM Switches

4-6. TESTING OF GBM SERIES.

4-7. Install a jumper between terminals T and GRD on switch making sure that jumper does not touch terminal M or BAT. (See figure 7).

4-8. Connect black lead of the 11-9110-1 Timing Light to GND on switch, right lead to M and left lead to BAT. Lights should be on and off at various switch functions as shown in Table 2.

Key Position	Lights	
	Left	Right
OFF	OFF	ON
B-START	ON	ON
M	OFF	OFF
BOTH-RUN	ON	OFF

Test Indications of GBM Switches
Table 2

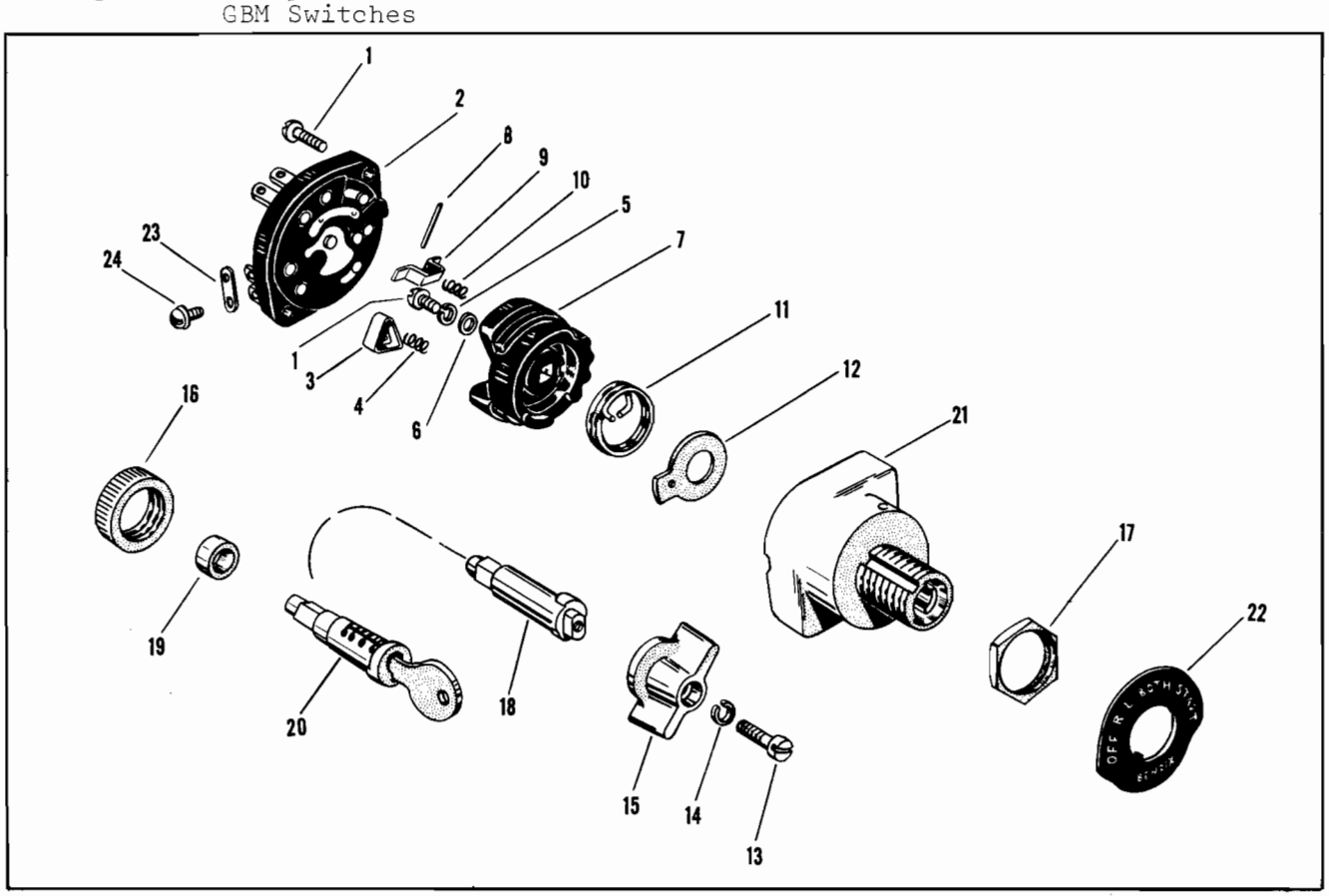

Figure 8. Exploded View of Starter Switches.

SECTION V

5-1. AIRCRAFT IGNITION AND STARTER SWITCHES.

FIG. AND REF. No.	PART NO.	NO. REQ.	DESCRIPTION
8-1	10-126665	3	SCREW - Tapping (2, Support) (1, Rotor)
-2	10-126674	1	SUPPORT - Contact Switch (10-357200, 10-357220, 10-357230, 10-357250, 10-357260 and 10-357280 series switch)
	10-187471	1	SUPPORT - Contact Switch (10-357210, 10-357240 and 10-357270 series switch)
-3	10-126670	3	CONTACT - Switch
-4	**10-357502**	9	SPRING - Helical (Rotor to Contact)
-5	10-90707-3	1	WASHER - Lock (Rotor Screw)
-6	10-77699	1	WASHER - Plain (Rotor Screw)
-7	**10-357503**	1	ROTOR - Switch (10-357200, 10-357230 and 10-357260 series switch)
	10-357504	1	ROTOR, Switch (10-357210, 10-357220, 10-357240, 10-357250, 10-357270 and 10-357280 series switch)
-8	10-90766-7	1	PIN (Bracket to Rotor) (Used with 10-126683 Rotor)
-9	10-51122	1	BRACKET (Used with 10-126683 Rotor)
-10	10-79596	1	SPRING (Rotor to Bracket)(Used with 10-126683 Rotor)
-11	10-126668	1	SPRING, Helical (Rotor to Retainer)
-12	10-126672	1	RETAINER - Spring
-13	10-91404-8	1	SCREW - Machine (Lever) (10-357230-1, 10-357240, 10-357250, 10-357260, 10-357270 and 10-357280 series)
	10-157481	1	SCREW - Machine (Lever) 10-357230-2 only)
-14	10-90701-4	1	WASHER - Lock (Lever Screw) (10-357230, 10-357240, 10-357250, 10-357260, 10-357270 and 10-357280 series)
-15	10-126681A	1	LEVER - Switch (10-357230-1, 10-357240 and 10-357250 series)
	10-157479	1	LEVER - Switch (10-357230-2 only)
-16	10-81397	1	NUT - Round (Lock Retaining) (Except 10-357260, 10-357270 and 10-357280 series)
-17	10-78799	1	NUT - Hex (Switch Mounting) (2, 10-357280-2 only)
-18	10-126679	1	SHAFT - Switch Rotary (10-357230, 10-357260 series)
	10-126687	1	SHAFT - Switch Rotary (10-357250 and 10-357280 series)
	10-157431	1	SHAFT - Switch Rotary (10-357240, 10-357270 series)
-19	10-187451	1	BUSHING - Lock (10-357210 and 10-357220 series)
-20		1	SWITCH LOCK (Ref: Para. 5-3 for application)
-21	10-51106	1	HOUSING - Switch
-22	10-126676	1	DIAL 10-357230-1, (10-357260-3) (Not supplied with switch)

FIG. AND REF. NO.	PART NO.	NO. REQ.	DESCRIPTION
			(10-357200) (Supplied with Switch)
	10-126694	1	DIAL (10-357220, 10-357250, 10-357280 series) (Not supplied with Switch)
	10-187468	1	DIAL (10-357210-1, -2) (Not supplied with Switch)
-23	10-126656	1	TERMINAL - Lug (Used only when switch is used in conjunction with a magneto incorporating a retard breaker)
-24	10-126648		SCREW AND LOCK WASHER (9, Except 10-357210-1, -2, 10-357240-1, 10-357270-1, -2, -3, -4, -5, -6, -7 -8, -9, -10 and -11) (8, Except 10-357270-2, -4, -7, -10) (7, 10-357270-2, -4, -7, -10)
	10-357227-1	1	PLATE - Identification (10-357200-11 and -12 only)

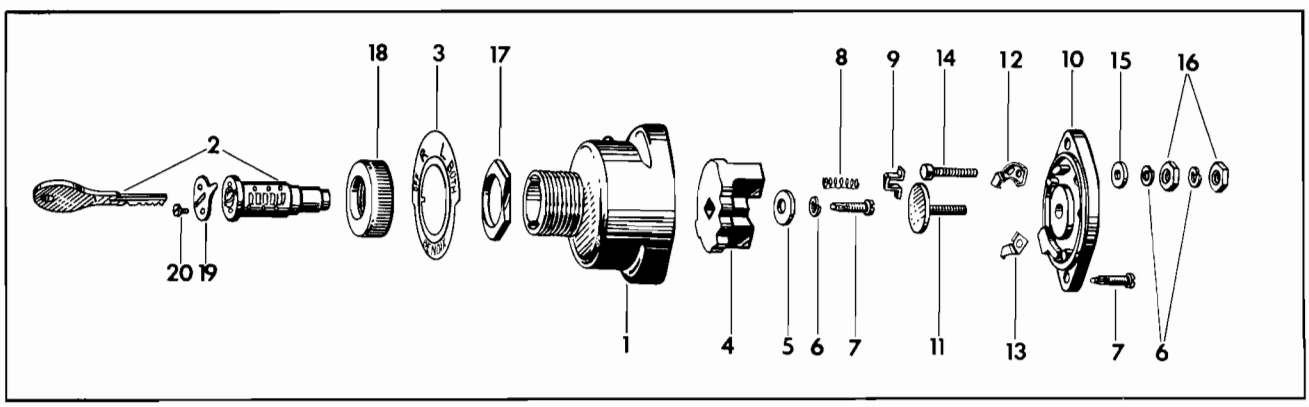

Figure 9. Exploded View GM, GBM Switches

5-2. Aircraft Ignition Switches (GM; GBM)

FIG. and REF. NO.	DESCRIPTION	TYPE GM PART NO.	TYPE GM REQ'D	TYPE GBM PART NO.	TYPE GBM REQ'D
9-1	HOUSING - Switch	10-51106	1	10-51106	1
-2	SWITCH LOCK ASSEMBLY	REF: PARA. 5-3 FOR APPLICATION			
-3	DIAL	10-357227-2	1	10-51149	1
-4	ROTOR - Switch	10-51109	1	10-51109	1
-5	WASHER - Plain (Switch Rotor Screw)	10-51124	1	10-51124	1
-6	WASHER - Lock				
	(Switch Rotor Screw)	10-90701-3	1	10-90701-3	1
	(Contact Screw)	10-90701-3	3	10-90701-3	4
	(Support Terminal Nuts)	10-90701-3	3	10-90701-3	4
-7	SCREW - Self-Tapping				
	(Switch Rotor)	10-126665	1	10-126665	1
	(Switch Support)	10-126665	2	10-126665	2
-8	SPRING -Coil (Switch Contact)	10-51120	2	10-51120	2
-9	BRACKET - Switch Contact	10-51122	2	10-51122	2

FIG. and REF. NO.	DESCRIPTION	TYPE GM PART NO.	TYPE GM REQ'D	TYPE GBM PART NO.	TYPE GBM REQ'D
-10	SUPPORT ASSY - Switch Contact	10-51110	1	10-51143	1
-11	SCREW - Ground Contact	10-51129	1	10-51147	1
-12	CONNECTOR - Contact - Long	10-51153	1	10-51155	1
-13	CONNECTOR - Contact - Short	10-51154	1	10-51154	1
-14	SCREW (Contact Connectors)	10-51115	2	10-51115	2
-15	WASHER - Plain (Contact Screw Nuts)	2-171Z	3	2-171Z	4
-16	NUT				
	(Contact Screw)	10-92803-265	3	10-92803-265	4
	(Support Terminal)	10-92803-265	3	10-92803-265	4
-17	NUT - Hex (Switch Mounting)	10-78799	1	10-78799	1
-18	NUT - Knurled (Switch Mounting)	10-81397	1	10-81397	1
-19	POINTER - Switch Lock				
-20	SCREW -Self-Tapping (Switch Lock Pointer)				
-21	PLATE, Identification (10-357290-9, -10, -13)	10-357227-2	1		

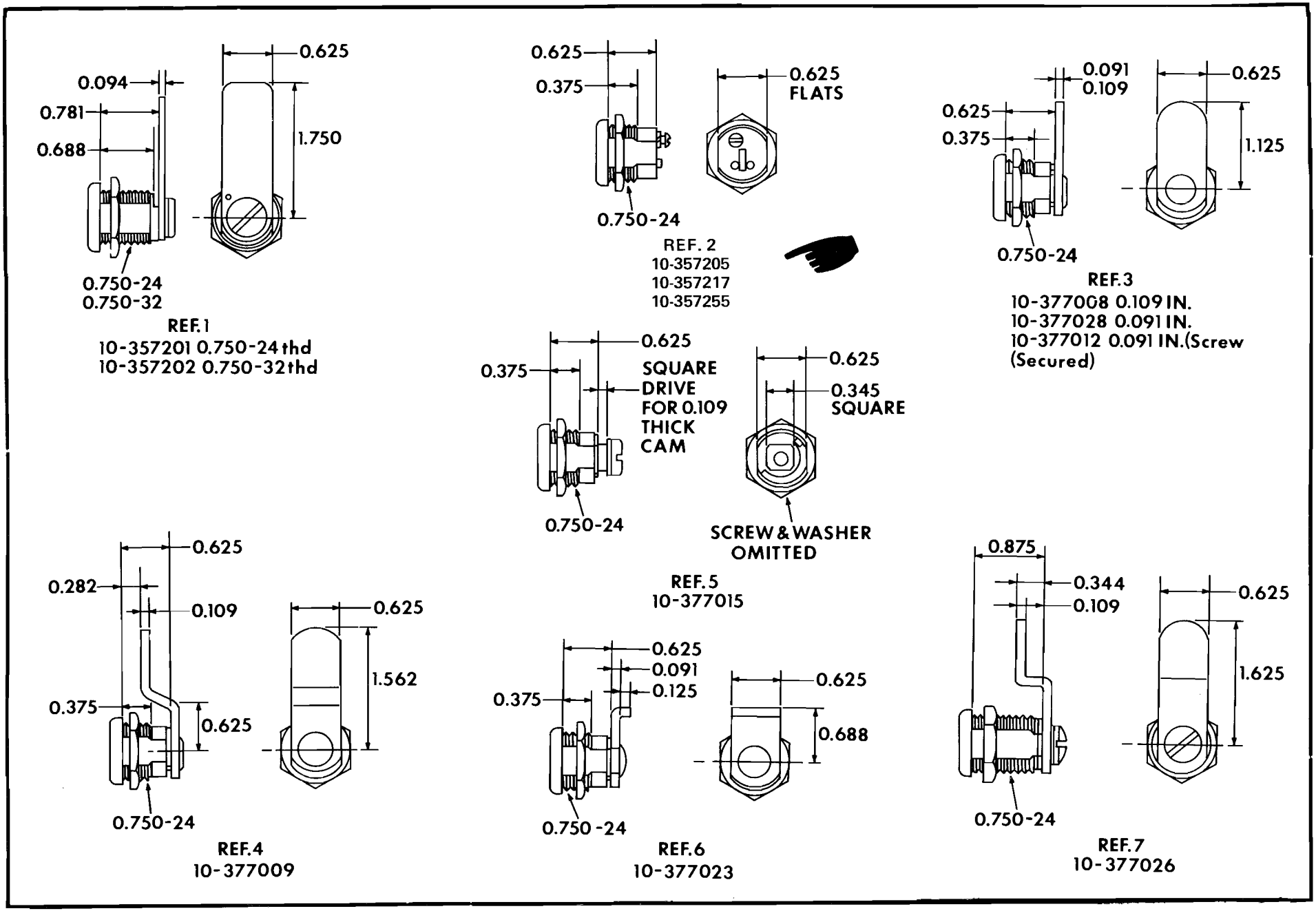

Figure 10. Door Locks

5-3. IGNITION AND STARTER SWITCHES
DOOR LOCKS (Figure 10), ASSEMBLIES
COVERED.

PART NO.	DESCRIPTION	NO. OF KEYS
	KEY TYPE, TWIST TO START	
10-375200-1	(1) Switch Lock 10-377007, Switch Only	2 keys
10-357200-2	(1) Switch Lock 10-377007, (1) Door Lock 10-377015	2 keys
10-357200-3	(1) Switch Lock 10-377007, (2) Door Lock 10-377028	2 keys
10-357200-4	(1) Switch Lock 10-377007, (2) Door Locks 10-377015	4 keys
10-357200-5	(1) Switch Lock 10-377007, (2) Door Locks 10-377023	2 keys
10-357200-6	(1) Switch Lock 10-377007 (W/Dial 10-126676), (1) Door Lock 10-327028	2 keys
10-357200-7	(1) Switch Lock 10-377007 (W/Lock Plug 10-377203), (1) Door Lock 10-357202 (W/ cam 10-357204)	2 keys
10-357200-8	(1) Switch Lock 10-377007, (1) Door Lock 10-377023	2 keys
10-357200-9	(1) Switch Lock 10-377007 (W/Lock Plug 10-357203) (1) Door Lock 10-357201 (W/cam 10-357204)	2 keys
10-357200-10	(1) Switch Lock 10-377007 (2) Door Locks (1) 10-377008 (1) 10-377009	2 ea.
10-357200-11	(1) Switch Lock 10-357214 (2) Door Locks 10-357205	4 keys*
10-357200-12	(1) Switch Lock 10-357214, Switch Only	2 keys*
10-357200-13	(1) Switch Lock 10-377007 (W/ 2 Lock Plugs 10-357203), (1) Door Lock 10-357202	2 keys
10-357200-14	(1) Switch Lock 10-377007, (1) Door Lock 10-357217	2 keys
10-357200-15	(1) Switch Lock 10-377007, (2) Door Locks 10-357217	4 keys
10-357200-16	(1) Switch Lock 10-377007 (W/ 10-357176 Lock Plug) (1) Door Lock 10-357201	2 keys
10-357200-17	(1) Switch Lock 10-377007, (2) Door Locks 10-377023	3 keys
10-357200-19	(1) Switch Lock 10-357214, (3) Door Locks 10-357205	4 keys*
10-357200-21	**(1) Switch Lock 10-357254, (2) Door Locks 10-357255**	**2 Keys**
	KEY TYPE, PUSH TO START	
10-357210-1	(1) Switch Lock 10-377021, Switch only	2 keys
10-357210-2	(1) Switch Lock 10-377021, (2) Door Locks 10-377014	4 keys
10-357210-3	(1) Switch Lock 10-357215, (2) Door Locks 10-357205	4 keys*
10-357210-4	(1) Switch Lock 10-357215, Switch Only	2 keys*
10-357210-5	(1) Switch Lock 10-357215 (W/O Terminal 10-126656), (2) Door Locks 10-357205	4 keys*
10-357210-6	(1) Switch Lock 10-357215 (W/O Terminal 10-126656) Switch Only	2 keys*
10-357210-7	(1) Switch Lock 10-377021, (2) Door Locks 10-357217	4 keys
10-357210-8	(1) Switch Lock 10-377021 (W/ Dial 10-187468), (1) Door Lock 10-377028	2 keys
10-357210-9	(1) Switch Lock 10-357232, Switch Only	3 keys
10-357210-10	(1) Switch Lock 10-377021 (W/Dial 10-187468), (2) Door Locks 10-377028	2 keys
10-357210-11	(1) Switch Lock 10-377021 (W/Dial 10-187468), (3) Door Locks 10-377028	2 keys
	KEY TYPE, TWIST TO START, PUSH TO PRIME	
10-357220-1	(1) Switch Lock 10-377030, Switch Only	2 keys
	LEVER TYPE, TWIST TO START	
10-357230-1	Switch only	N/A
10-357230-2	Switch only	N/A

*Keys Stamped "Cessna"

LEVER TYPE, PUSH TO START

10-357240-1	Switch only	N/A

LEVER TYPE, TWIST TO START, PUSH TO PRIME

10-357250-1	Switch only	N/A

LEVER TYPE (W/O Lever), TWIST TO START

10-357260-1	Switch Only	N/A
10-357260-2	Includes (2) Door Locks 10-377015	2 keys
10-357260-3	(2) Switches, (2) Door Locks 10-377015	2 keys
10-357260-4	Includes (2) Door Locks 10-357205	2 keys*
10-357260-5	(2) Switches, (2) Door Locks 10-357205	2 keys*
10-357260-6	Includes (2) Door Locks 10-357217	2 keys
10-357260-7	(2) Switches, (2) Door Locks 10-357217	2 keys

LEVER TYPE (W/O LEVER), PUSH TO START

10-357270-1	Switch only	N/A
10-357270-2	Switch Only (W/O 10-126656 Terminal)	N/A
10-357270-3	(1) Switch, (1) Door Lock 10-377015	2 keys
10-357270-4	(1) Switch (W/O 10-126656 Terminal), (2) Door Locks 10-377015	4 keys
10-357270-5	(2) Switches, (2) Door Locks 10-377015	2 keys
10-357270-6	(1) Switch (1) Door Lock 10-357205	2 keys*
10-357270-7	(1) Switch (W/O 10-126656 Terminal, (2) Door Locks 10-357205	4 keys*
10-357270-8	(2) Switches, (2) Door Locks 10-357205	2 keys*
10-357270-9	(1) Switch, (1) Door Lock 10-357217	2 keys
10-357270-10	(1) Switch (W/O 10-126656 Terminal), (2) Door Locks 10-357217	4 keys
10-357270-11	(2) Switches, (2) Door Locks 10-357217	2 keys

LEVER TYPE (W/O LEVER), TWIST TO START, PUSH TO PRIME

10-357280-1	Switch only	N/A
10-357280-2	(1) Switch (W/10-78799 nut)	N/A

KEY TYPE GM

10-357290-1	(1) Switch Lock 10-377007	2 keys
10-357290-2	(1) Switch Lock 10-377007, (1) Door Lock 10-377015	2 keys
10-357290-3	(1) Switch Lock 10-377007, (2) Door Locks 10-377028	2 keys
10-357290-4	(1) Switch Lock 10-377007 (1) Door Lock 10-377012	3 keys
10-357290-5	(1) Switch Lock 10-377007 (2) Door Locks 10-377015	4 keys
10-357290-6	(1) Switch Lock 10-377007 (1) Door Lock 10-377026	3 keys
10-357290-7	(1) Switch Lock 10-377007 (2) Door Locks 10-377015	2 keys
10-357290-8	(1) Switch Lock 10-377007 (1) Door Lock 10-377028	2 keys
10-357290-9	(1) Switch Lock 10-357214 (1) Door Lock 10-357205	4 keys*
10-357290-10	(1) Switch Lock 10-357214 (2) Door Locks 10-357205	4 keys*
10-357290-11	(1) Switch Lock 10-357214 (2) Door Locks 10-357205	2 keys*

*Keys Stamped "Cessna"

KEY TYPE GM (CON'T)

10-357290-13	Switch Only	2 keys*
10-357290-14	(1) Switch Lock 10-377007 (1) Door Lock 10-357217	2 keys
10-357290-15	(1) Switch Lock 10-377007 (2) Door Locks 10-357217	4 keys
10-357290-16	(1) Switch Lock 10-377007 (2) Door Locks 10-357217	2 keys

KEY TYPE, GBM

10-357310-1	(1) Switch Lock 10-377007, Switch Only	2 keys
10-357310-2	(1) Switch Lock 10-377007 (1) Door Lock 10-377015	2 keys
10-357310-3	(1) Switch Lock 10-357214 (1) Door Lock 10-357205	2 keys*
10-357310-4	(1) Switch Lock 10-357214, Switch Only	2 keys*
10-357310-5	(1) Switch Lock 10-377007, (1) Door Lock 10-357217	2 keys

SECTION VI

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*Keys Stamped "Cessna"