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Installation of the Barber-Colman Linear Governor, DYNC-10200, on the Continental 3 cylinder gasoline engine. The carburetor is Zenith. The engine flywheel has 140 teeth.

The circled numbers below refer to Item parts in the kit parts list. The Item 8 throttle butterfly will be near closed (for idle) when the governor actuator is de-energized as shown below. In this application, engine idle speed 1200 RPM is set by an idle screw on the outboard lever of the carburetor with the governor de-energized. Nominal max engine speed is 1800 RPM. Refer to the drawing on page 2 to install the magnetic pickup.

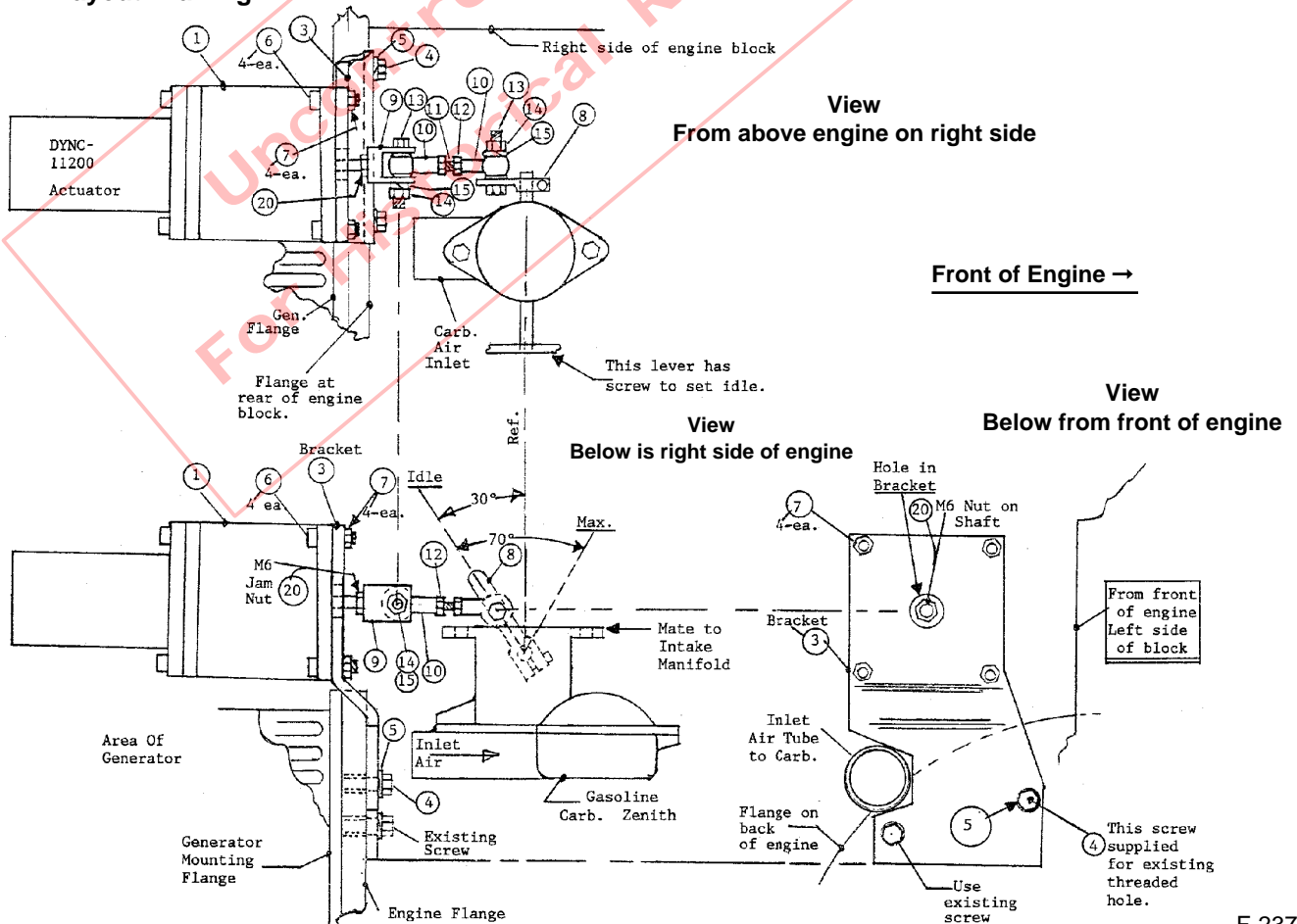
### I. Installation Instructions

1. Disconnect the mechanical governor linkage and remove the idle solenoid.
2. A new throttle butterfly lever — Item 8, is not supplied. This lever is supplied by the customer. a 1/4" hole must be drilled in the lever at a radius of 5/8 inches. Refer to the layout drawing and install the lever on the inboard carburetor shaft.
3. Install actuator bracket — Item 3, first; then the DYNC-10200 actuator — Item 1.
4. Install the electric governor linkage. The actuator clevis — Item 9, is secured on the actuator shaft by a supplied M6 nut. When the threaded rod — Item 11, is installed between the rod end bearings, be sure to secure the jam nuts — Item 12.

### II. Wiring

1. The negative power lead to the electric governor controller should be connected to where the large battery cable ties to the engine block.
2. The positive power lead will connect to the black number 78 wire that was removed from the original idle solenoid.
3. The idle relay must be replaced to obtain the correct power logic to the electric governor controller.
4. The electric governor will be de-energized for idle.

### III. Layout Drawing



## IV. Parts List

### A. Table 1. Governor Assembly

Specify voltage when ordering Items 1 and 2

Item	Description	Barber-Colman Part Number	Qty.
1	Governor actuator	DYNC-10200	1
2	Controller	DYN1-10704	1

#### CAUTION

As a safety measure, the engine should be equipped with an independent overspeed shutdown device in the event of failure which may render the governor inoperative.

#### NOTE

Barber-Colman believes that all information provided herein is correct and reliable and reserves the right to update at any time. Barber-Colman does not assume any responsibility for its use unless otherwise expressly undertaken.

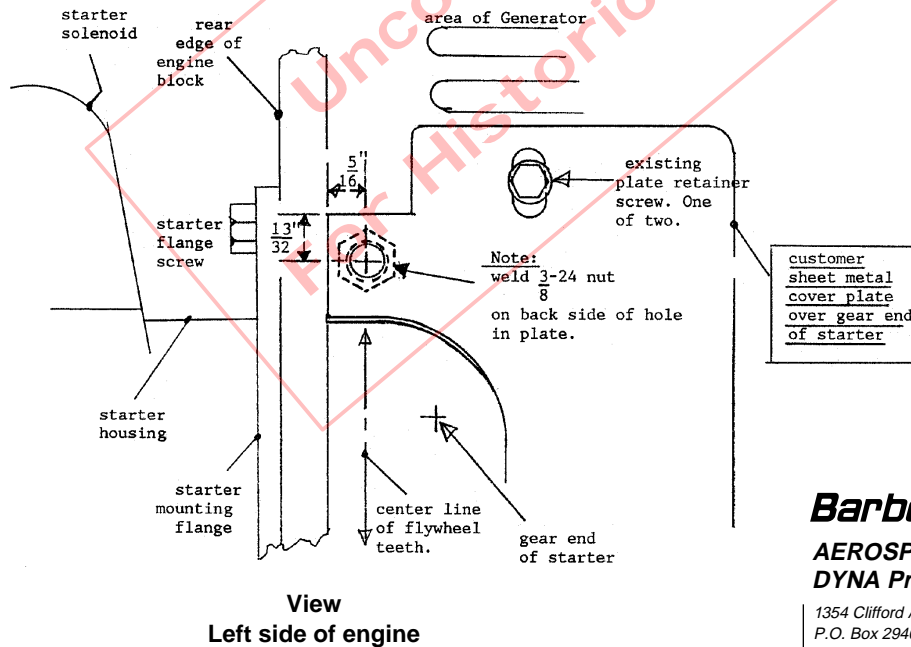
### B. Table 2. Installation Kit

B-C Part Number DYNK-10265

Item	Description	Barber-Colman Part Number	Qty.
3	Actuator mounting bracket	DYNK-95-3	1
4	Actuator bracket screws 3/8-16x3/4 Hex	BYRF-1361	1
5	Lock Washer 3/8"	CYRD-560	1
6	Actuator mounting screws 1/4-28 x 7/8" socket hd cap	BYRF-1460	4
7	1/4 - 28 Pinch nuts hex.	DYRF-532	4
8	Drill 1/4" dia. hole at radius of 5/8" from shaft	Supplied by customer	—
9	Actuator shaft clevis	DYNK-218-1	1
10	Rod end bearings 1/4 - 28	DYNZ-47-1	2
11	Linkage rod 1/4 - 28 x 2"	GYRF-42-3	1
12	Linkage rod jam nuts 1/4 - 28 Hex.	DYRF-110	2
13	Rod end brg. screws 1/4 -28 x 1" Hex.	BYRF-1346	2
14	Rod end bearing nut	DYRF-293	2
15	Lock washers 1/4"	CYRD-558	2
16	3/8-24 Hex nut —Weld to back of cover plate for Item 18	DYRF-20	1*
17	Magnetic pickup	DYNT-17200	1*
18	Wire lugs mate with leads to actuator	E24-866	2
19	Power lead & actuator lead wire	DYNZ-70-4	10 ft.
20	Nut M6 - Install on actuator shaft.	N1-1	1

## V. Magnetic Pickup Installation

- On the left side of the engine, remove the sheet metal cover plate located over the gear end of the starter.
- Mark and drill or punch a 13/32 dia. hole in the cover plate at the dimensions shown below.
- From the kit of parts, obtain one Item 16 — 3/8 - 24 hex nut, and weld it over the hole on the back side of the plate.
- Reinstall the cover plate and install the magnetic pickup. Gap the pickup approximately 1/3 turn from a gear tooth.



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