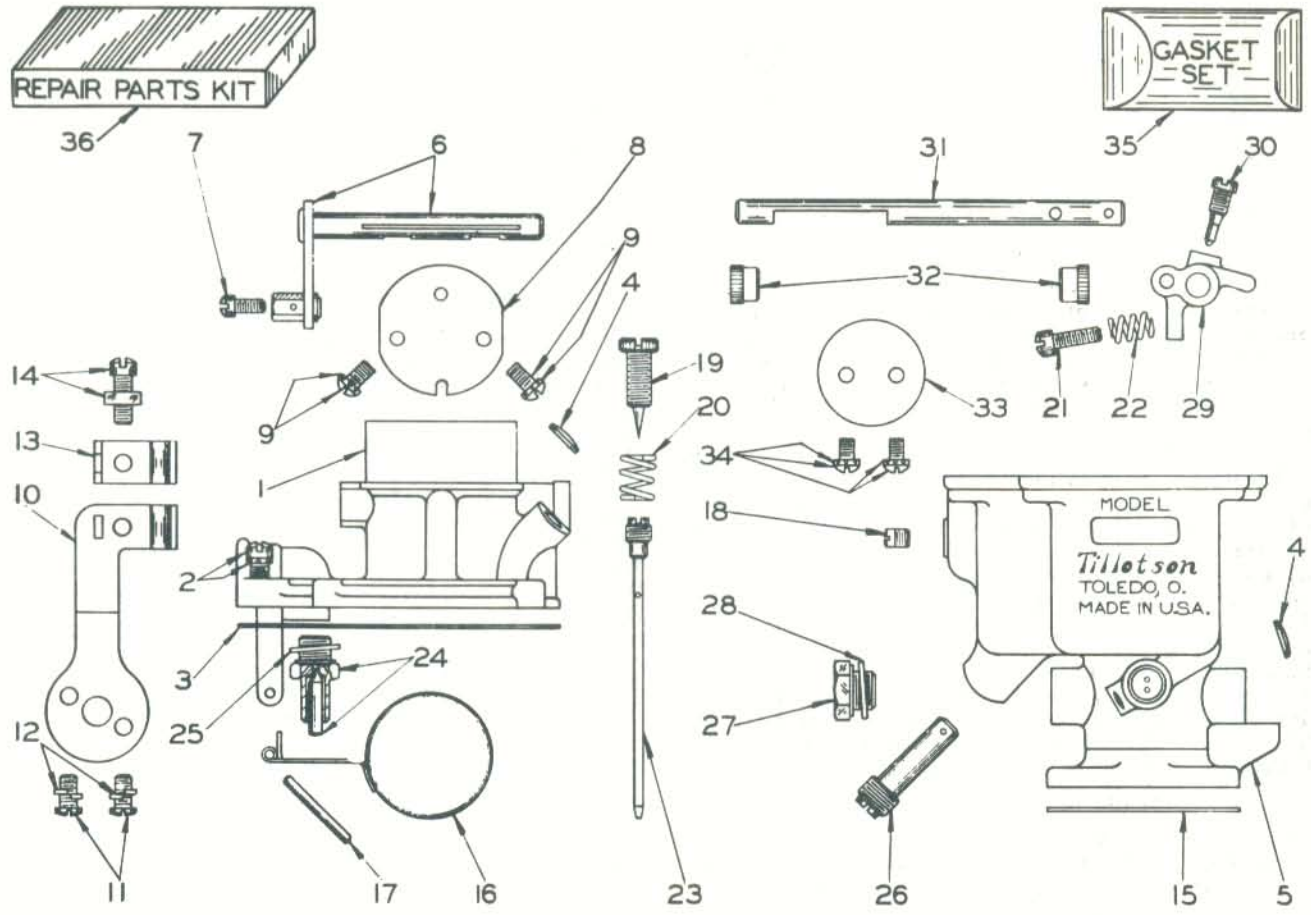
YEARS BUILT: 1944-48 CARBURETOR MODEL: DY-7A




**WHEN ORDERING, PLEASE SPECIFY FULL CARBURETOR MODEL AND COMPLETE PART NUMBER AND NAME.**

| Ref. No. | No. Req. | DY-7A Part No. | Part Name |
|---|---|---|---|
| 1 | 1 | 07441 | Air Horn |
| 2 | 6 | 08420 | Air Horn Retaining Screw & Lockwasher |
| 3 | 1 | 06409 | Air Horn Gasket |
| 4 | 2 | *02531 | Air Horn & Body Channel Welch Plug |
| 5 | 1 | 07663 | Body |
| 6 | 1 | 06450 | Choke Shaft & Lever |
| 7 | 1 | * 058 | Choke Wire Retaining Screw |
| 8 | 1 | 07437 | Choke Shutter |
| 9 | 2 | 08317 | Choke Shutter Screw & Lockwasher |
| 10 | 1 | 06411 | Choke Wire Bracket |
| 11 | 2 | 01974 | Choke Wire Bracket Retaining Screw |
| 12 | 2 | 0992 | Choke Wire Bracket Retaining Screw Lockwasher |
| 13 | 1 | 03028 | Choke Wire Clamp |
| 14 | 1 | 0799 | Choke Wire Clamp Bolt & Nut |
| 15 | 1 | 0278 | Flange Gasket |
| 16 | 1 | 06436 | Float |
| 17 | 1 | *06233 | Float Lever Pin |
| 18 | 1 | *03311 | Float Bowl Inspection Screw |
| 19 | 1 | *06336 | Idle Adjustment Screw |

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**PARTS AND SERVICE DIVISION**
**TOLEDO 12, OHIO, U. S. A.**

Specifications or part numbers subject to change.

| Ref. No. | No. Req. | DY-7A Part No. | Part Name |
|---|---|---|---|
| 20 | 1 | * 0737 | Idle Adjustment Screw Spring |
| 21 | 1 | *05095 | Idle Speed Regulating Screw |
| 22 | 1 | * 0788 | Idle Speed Regulating Screw Spring |
| 23 | 1 | *07009 | Idle Tube |
| 24 | 1 | *06287 | Inlet Needle, Seat & Gasket |
| 25 | 1 | 0676 | Inlet Seat Gasket |
| 26 | 1 | *07007 | Main Nozzle |
| 27 | 1 | 0649 | Main Nozzle Channel Plug Screw |
| 28 | 1 | 0225 | Main Nozzle Channel Plug Screw Gasket |
| 29 | 1 | 06355 | Throttle Stop Lever |
| 30 | 1 | * 051 | Throttle Stop Lever Retaining Screw |
| 31 | 1 | *07652 | Throttle Shaft |
| 32 | 2 | 02661 | Throttle Shaft Bushing |
| 33 | 1 | *06232 | Throttle Shutter |
| 34 | 2 | *08317 | Throttle Shutter Screw & Lockwasher |
| 35 | | *07145 | GASKET & PACKING SET |
| 36 | | 07690 | REPAIR PARTS KIT |

(*) Indicates contents of designated REPAIR PARTS KIT.

**FLOAT LEVEL:** To set correctly remove Upper Body Assembly containing complete float mechanism. Turn upside down and with float resting on the Inlet Needle, carefully bend each lever arm, if necessary, to give a distance of 1-29/64ths inches from face of body gasket to the then top of raised seam encircling each float. This measurement must be maintained with both floats to obtain proper performance. As a guide, the float level will be found after carburetor assembly, just below lowest portion of Float Bowl inspection hole. When inspection indicates level continues to rise beyond setting point, remove Inlet Needle and Seat, clean their seating surfaces with a soft clean cloth. Place Inlet Needle in its Seat and tap very lightly, turning Inlet Needle with the thumb and forefinger several times to reseat. Reinstall and if proper level is not maintained, install a new Inlet Needle and Seat Assembly. DO NOT CHANGE GASOLINE LEVEL FROM MANUFACTURERS SPECIFICATIONS.

## ADJUSTMENT INSTRUCTIONS

Before starting engine check for proper fuel supply in tank. Open Fuel Line Shut Off Valve and be certain air valve on Fuel Tank Cap is open.

As a factory pre-fixed (calibrated) jet (Main Nozzle Ref. No. 26) functions correctly throughout the Power Range, only the following manual adjustments are required.

**INITIAL ADJUSTMENT:** Completely close Idle Adjustment Screw (19) by turning in (clockwise) until seated (without forcing) then turn back in opposite direction one full turn. Now choke and start engine in usual manner and run until thoroughly warm.

**IDLE MIXTURE ADJUSTMENT:** Close throttle and allow engine to idle at slightly faster than normal idling speed requirements by turning Idle Speed Regulating Screw (21) and located on throttle lever, inward. Next slowly turn Idle Adjustment Screw (19) inward (clockwise) until motor begins to lose speed and miss or flutter, then turn back in opposite direction (usually about 1/8th of a turn) until engine functions smoothly and steadily. Now slowly back out Idle Speed Regulating Screw (21) until desired idling speed is obtained. This should be the approximate final Idle Adjustment setting.

**FINAL ADJUSTMENT:** Alternately open and close throttle a few times for adjustment test. If stalling at idle speed occurs, entire adjustment procedure, outlined above, should be repeated. Preceding instructions cover Cold Motor Start only. Warm Motor only requires opening of throttle and one or two vigorous pulls on starter rope without further carburetor adjustment.

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