



GENERAL NOTES ON INSTALLATION

A. It is preferable where possible to fit the throttle levers supplied to the carburettors before installation, and ensure that the throttles open and close freely prior to connecting the throttle linkage.

Please Note:

The Lotus style drive lever (4.) has a long tongue to allow for a variety of applications. This lever will likely need to be cut down to match the manifold spacing, it is advisable to fit the carbs onto the manifold and mark the lever tongue to assist with the modification. Additionally, it may be necessary to remove a section of the cast manifold (between barrels 2 & 3) to allow the levers to move freely on certain applications

B. Measure the accelerator cable travel on the existing installation, to assist in correctly adjusting the new linkage.

C. Lubricate the linkage with light oil during assembly.

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Fitting Instructions

1. Fit the drive lever (4.) to the left hand carburettor and the balance lever (5.) to the right hand carburettor. Ensure the levers link together well and adjust the locking screw on the balance lever (5.)

Removing one carburettor can help if clearance is limited.

Note: when tightening the throttle shaft nut, the throttle lever should be held to avoid twisting the throttle shaft, and care should be taken to ensure the throttle returns to fully closed once the levers have been fitted.

Tighten the nuts on either end of the spindle simultaneously to ensure the spindle is not pulled to one side of the carburettor.

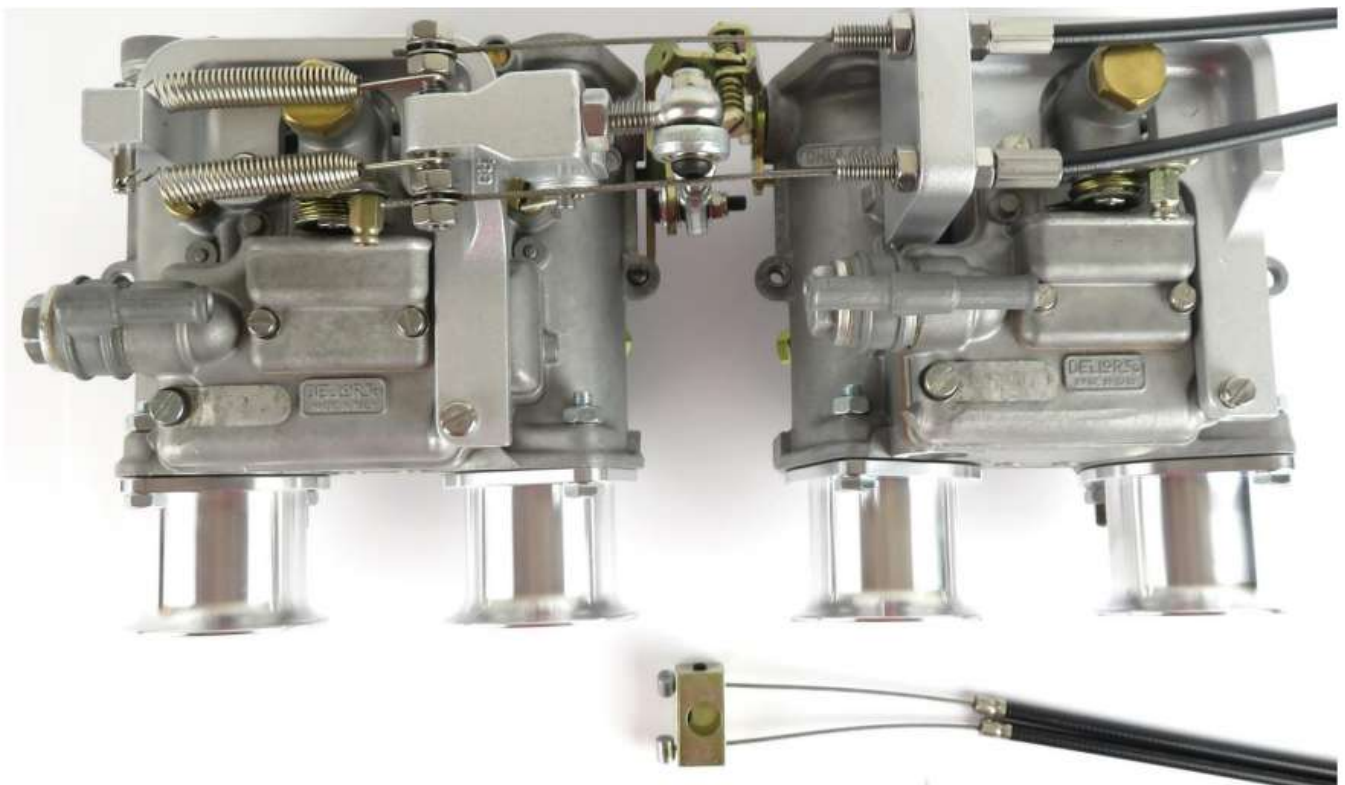
2. Remove existing top cover screws, then fit bracket (1.) to the left hand carb and bracket (2.) to the right hand carb (when viewed from above) using the supplied long screws (3.). There will be 3 long screws required per carburettor. Fit the remaining top cover screws.

3. Attach the linkage rod from bracket (1.) to the drive lever (4.).

ACCELERATOR CABLE CONNECTION

4. Fit the Accelerator Cable Connector Block (6) provided to the accelerator pedal at a position to be able to achieve an accelerator cable operating movement (pull) of between 30mm and 40mm.

5. The Accelerator Cables (7) must now be secured in a suitable position to align correctly with the Connector Block (6). This can often be achieved by drilling two 6.5mm dia. anchorage holes 20mm apart in the engine compartment bulkhead/firewall. Fit the remaining 2 x Cable Adjusters (8) to form the anchorage for the accelerator cables, secure the Cable Adjusters (8) using the 4 x M6 Nuts and 4 x 6mm Support Washers provided.



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N.B. It is important to ensure that the cable alignment is correct throughout the full movement of the throttle pedal, and does not allow the accelerator inner cables to mis-align with the Cable Adjusters. Failure to do so will result in poor throttle operation and wear to the accelerator inner cable which will ultimately cause a breakage.

6. Fit the Accelerator Cables (7) by first removing the inner cable from the outer cable. Route the Accelerator Outer Cable between the Throttle Linkage Anchor Bracket (2) and the Cable Adjusters (8) (at the Throttle pedal end).

Where necessary, cut the accelerator outer cable to achieve the best cable route between the anchorage points, support and secure the cable as necessary using cable ties.

N.B. It is very important to avoid tight bends, moving components and heat sources.

7. The inner cables can now be threaded through the throttle pedal Connector Block (6). Pass the inner cable through the accelerator outer cable anchorage Cable Adjusters (8). When the inner throttle cable is fully inserted, the barrel ends of the inner cable will abut the Connector Block (6). Lightly secure the inner cable to the Connector Block using a 2.5mm Allen Key, do not over tighten. The inner cable should now exit the outer cable at the Cable Anchor Bracket (2).

8. The accelerator inner cables can now be threaded through the hole in the Threaded Pin of the Actuating Quadrant (1), having first placed 2 x M6 Nuts followed by 2 x Plain 6mm Washers onto the Pin. Next place the remaining 2 x Plain 6mm Washers, followed by the remaining 2 x M6 Nuts onto the Pin. With the accelerator inner cable between the plain washers and the M6 Nuts, ensure the inner cable remains central in relation to the hole in the Pin, but do not tighten until operation 10. in the **ACCELERATOR CABLE / LINKAGE ADJUSTMENT**.

ACCELERATOR CABLE / LINKAGE ADJUSTMENT

9. First determine the required height of the throttle pedal at the throttle closed position.

N.B. This will be predetermined if the throttle pedal has a return spring and the stop may or may not be adjustable.

10. With the throttle pedal in the throttle closed position clamp the accelerator inner cable in the linkage pin. If the throttle pedal has a return spring, allow a small amount of free play in the accelerator inner cable.

11. The throttle linkage can now be adjusted to achieve full throttle by adjusting the Adjustable Eyelet of the Actuating Quadrant (1.).

Important: In the full throttle position the throttle pedal should contact either an adjustable pedal stop or the bulkhead. This will prevent excessive pedal force from damaging the Carburettor, Throttle Linkage or the Accelerator Inner cables.

12. Finally make any fine adjustments to the Cable Adjusters (8) in association with the Adjustable Eyelet with regards to full throttle and ensure a small amount of free play exists in the accelerator inner cable where the throttle pedal has a return spring with a top stop.

PLEASE NOTE: IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THIS LINKAGE IS ADJUSTED AND FUNCTIONS CORRECTLY, AND THAT THE ADJUSTABLE EYELET OF THE ACTUATING QUADRANT (1) CANNOT BECOME IN-LINE WITH THE LINK ROD AT FULL THROTTLE, AS THIS COULD CAUSE THE THROTTLE TO JAM WIDE OPEN.

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