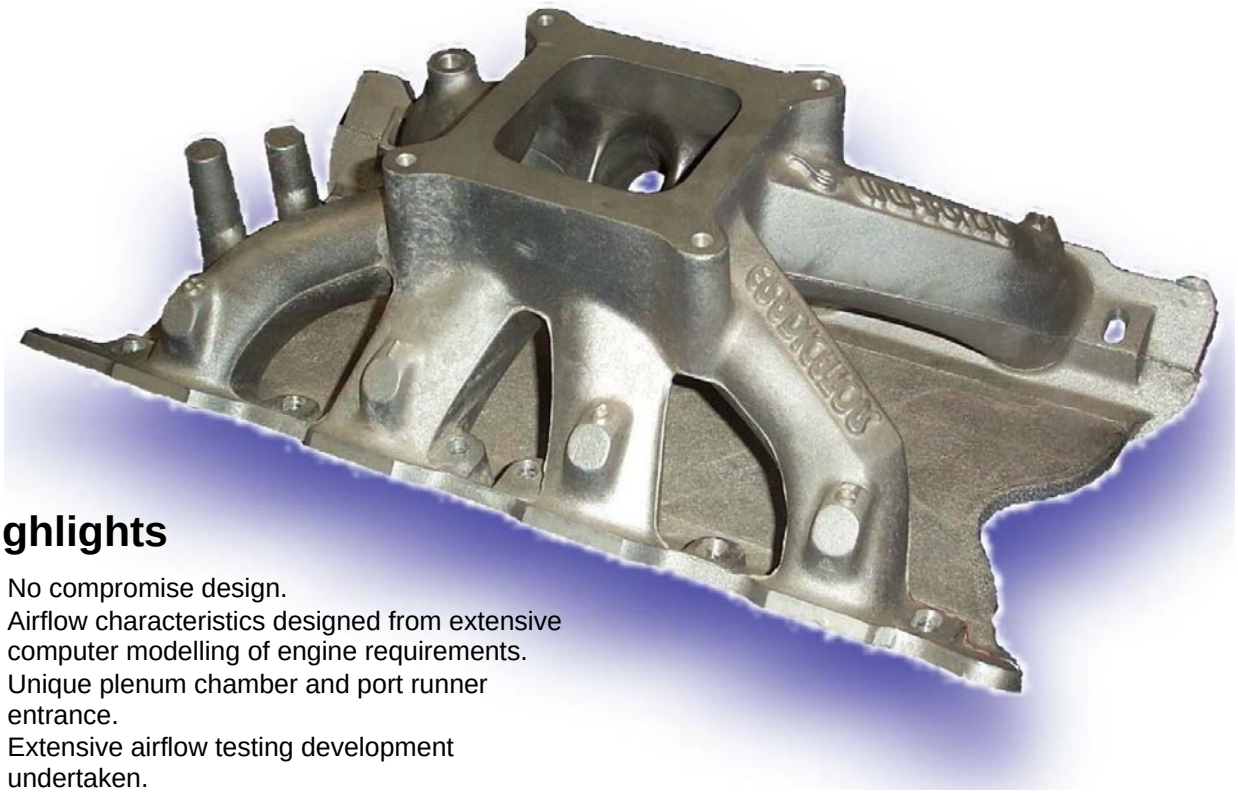
ERADICATOR

2V 351 Ford Cleveland Manifold

(2500 - 6500 rpm)



Highlights

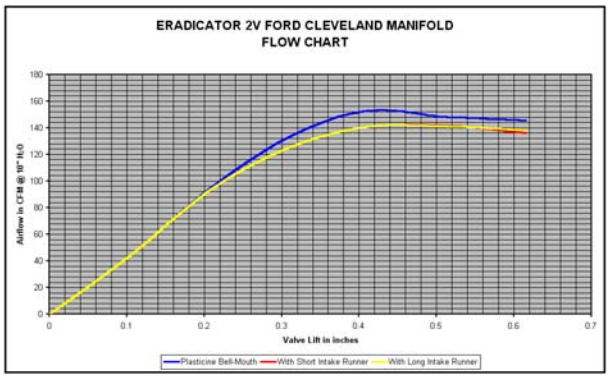
- No compromise design.
- Airflow characteristics designed from extensive computer modelling of engine requirements.
- Unique plenum chamber and port runner entrance.
- Extensive airflow testing development undertaken.
- Manufactured from cylinder head grade aluminium.
- Results supported by dynamometer and track testing.

Features

This no compromise 2V Ford Cleveland intake manifold has been designed for the serious car enthusiast. The features of this manifold have been arrived at after many months of research and development.

Computer modelling – Utilising the latest in engine simulation software, an exhaustive analysis was performed on the 2V Ford Cleveland engine. Data gathered from dynamometer and track testing was studied to find the parameters that the manifold had to fulfil. Using this data the manifold's performance characteristics could be successfully modelled and designed. From these computer simulations, the airflow and velocity requirements along with plenum volumes and runner shapes were determined.

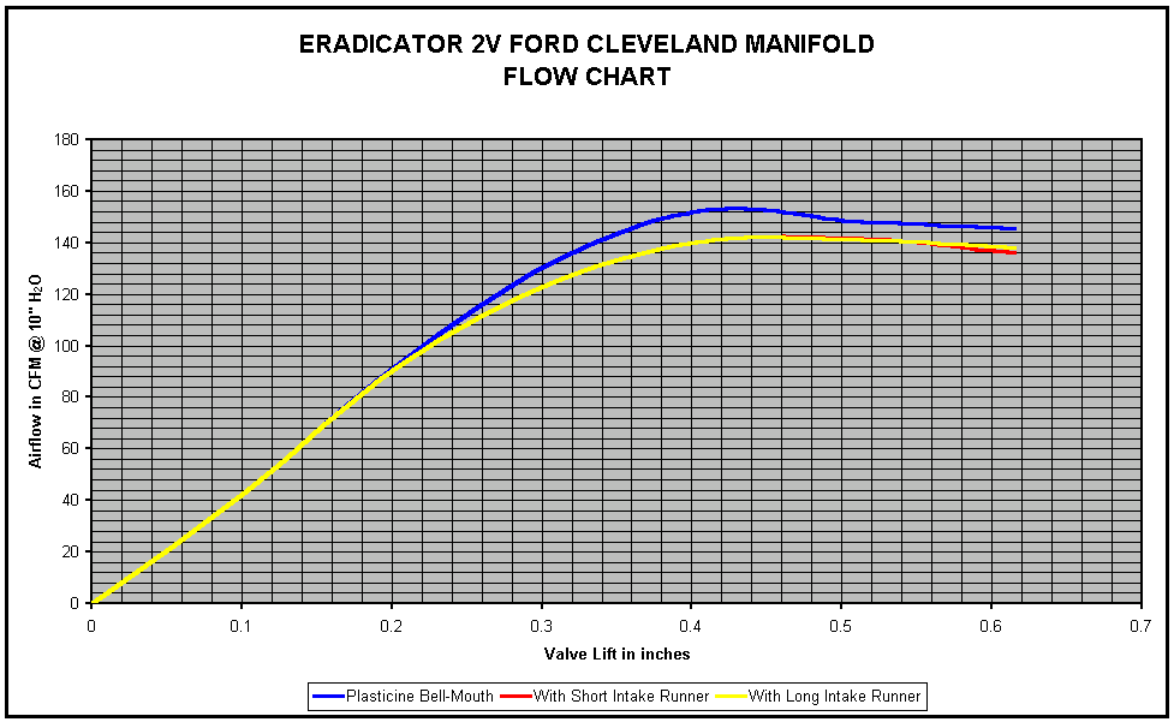
Airflow Testing - A through testing program was undertaken to develop the Intake runners in both their length and cross sectional area to obtain the values from the computer simulations. Employing velocity probes the cylinder head intake ports and manifold runners were mapped and studied. This coupled with the unique plenum and runner entry design enabled us to optimise the airflow characteristics best suited to the 2V-Ford Cleveland cylinder head.



Dynamometer Testing - Dynamometer testing and tuning was undertaken and the data gathered was compared with the computer simulations to verify the results prior to track testing.

ULTRAFLOW AIR RESEARCH

Computer Designed Intake Manifolds



Flow Test Graph shows potential on mildly ported 2V Cleveland Open Chamber Head - Manifold is as supplied to customer - no port matching.

Manifold Specifications

Rpm Range	2500 - 6500 rpm
Manifold Type	Single Plane
Height	175 mm
Runner Dimensions	
Height	51 mm
Width	35 mm
Length - Short	110 mm
Length - Long	175 mm