



Xenon Timing Light

Stock No.52616

Part No.TL3

INSTRUCTIONS

07/2013



DECLARATION OF CONFORMITY

We:

Draper Tools Ltd.,
Hursley Road,
Chandler's Ford,
Eastleigh, Hampshire.
SO53 1YF.
England.

Declare under our sole responsibility that the product:

Stock No:- **52616.**

Part No:- **TL3.**

Description:- **Xenon Timing Light.**

To which this declaration relates is in conformity with the following directive(s)
89/336/EEC.

With reference to:

EN50081-1:1992 & EN50082-1:1992

J.N. Draper
Chairman

09/11/2001



INTRODUCTION

IMPORTANT:

This product is for use on 12 volt car ignition systems only. Not suitable for motorcycles or vehicles with "positive earth".

The exact moment when the spark plug ignites the air/fuel mixture to create an explosion and deliver the power to the engine is called "timing".

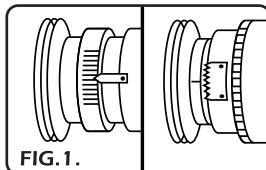
Timing is given in DEGREES or LINEAR MEASUREMENT (e.g. millimetres) relative to the TOP DEAD CENTRE (TDC), of the movement of the piston.

BTDC: Before top dead centre (timing advanced).

ATDC: After top dead centre (timing retarded).

TIMING MARKS

Locate the timing marks, these are usually found on the fan pulley, vibration damper, or flywheel, refer to the manufacturer's or Haynes workshop manuals for the exact position. The specification of the timing can generally be found in a workshop manual. See Fig.1. for examples of timing marks.



HOW TO ADJUST THE TIMING

NOTE:

ON VEHICLES WITH CONTACT BREAKER POINTS, THE GAP OR 'DWELL ANGLE' SHOULD BE ADJUSTED, BEFORE CARRYING OUT THE TIMING OPERATION.

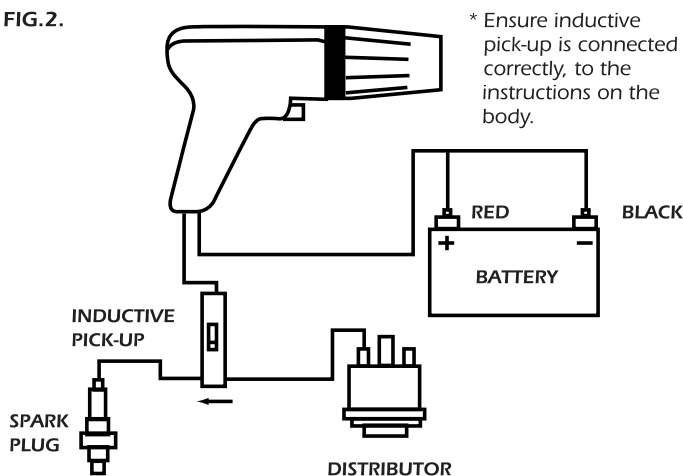
1. Slightly loosen the distributor clamp bolt so the distributor can be rotated in either direction.
2. Disconnect the vacuum advance hose (where applicable) and plug the end of the hose.
3. Connect the timing light as shown in Fig.2.
4. Start and run the engine to normal operating temperature, and adjust idle RPM to manufacturer specifications.
5. Direct the beam at the timing marks.
6. Slowly rotate the distributor slightly clockwise or anti-clockwise until the timing marks align, as advised in the manufacturer's service manual.
7. Stop the vehicle engine and tighten the distributor clamp bolt.
8. Restart and check the timing.
9. Reconnect vacuum hose and disconnect the timing light.

Spare bulbs are available, quote Draper Stock No.52993, Part No.YTL3.

IMPORTANT:

For detailed and concise instructions on the correct use of this tool, refer to the manufacturer's or Haynes workshop manuals.

FIG.2.



EXPLANATION OF SYMBOLS/PICTOGRAMS



Do not dispose of WEEE* as unsorted municipal waste.

* Waste Electrical & Electronic Equipment.