

TRANSPONDER COIL & REMOTE
DETECTOR
AD35 OPERATING MANUAL

UNLOCKING
TECHNOLOGY



ADVANCED
DIAGNOSTICS

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AD35 - INTRODUCTION

A

The AD35 Transponder & Remote Detector has been designed to assist with the diagnosis of all vehicle immobiliser systems using transponder technology and also vehicles using remote control locking and alarm systems.

Transponder Detector

One of the critical components of an immobiliser system is the coil or antenna fitted around the ignition barrel.

When diagnosing problems with the immobiliser system, there is always the question of "is the immobiliser antenna transmitting a correct signal to power the key transponder".....Now by using the AD35 this question can be quickly and easily answered, saving valuable time and money.

The AD35 is placed near the ignition barrel in the steering column and provides an audible indication of antenna power. Additionally on certain vehicles, by switching the ignition on, a further indication of a transponder signal being sent by the ignition key and received by the antenna can also be detected.

Remote Detector

The AD35 also provides the facility to check that the vehicle's remote key fob is functioning correctly. This is a simple and easy tool for checking this part of the immobiliser system.

Radio frequency remotes can be checked for operation and will display their operating frequency, which varies dependant upon country.

This is particularly useful for vehicles that have been imported.

NOTE : Infra red remotes are not tested by this tool.

AD35 - INTRODUCTION

A




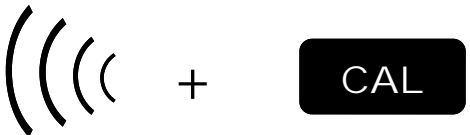


AD35 - OPERATION

B

Checking an Antenna/Aerial

IMPORTANT: If the battery low indicator is showing, then the battery must be replaced as a low battery will affect the test result.





TEST PROCEDURE	
Step 1 Turn the tester on.	
Step 2 Place the top left hand corner of the tester as close to the aerial/ antenna as possible.	
Step 3 Turn the ignition on with tester still held as close to the aerial/ antenna as possible.	
RESULT	
<u>Working Aerial/Antenna</u> Brief audible sound and a brief display of the word CAL in the bottom left hand corner of the screen.	
This indicates that the aerial/ antenna is functioning correctly.	

AD35 - OPERATION

B

Checking an Remote/Plip

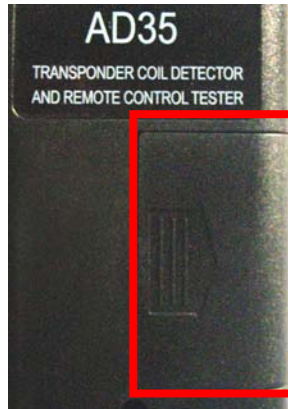
IMPORTANT: If the battery low indicator is showing, then the battery must be replaced as a low battery will affect the test result.

TEST PROCEDURE	
Step 1 Turn the tester on.	
Step 2 Place the remote/plip being tested on the bottom right hand corner of the tester.	
Step 3 Press the remote/plip	
NOTE :- IF "SEN" IS DISPLAYED IT MEANS THE TESTER IS RECEIVING THE SIGNAL.	
NOTE :- IF "SEN" FLASHES 10 TIMES THEN IT IS RESETTING, PLEASE WAIT AND THEN REPEAT TEST ONCE THE DISPLAY IS AT "0".	
RESULT	
<u>Working Remote/Plip</u> Brief audible sound and the frequency of the remote is displayed on the screen.	<u>EUROPEAN</u>  + 433khz
This indicates that the remote/plip is functioning correctly.	<u>OTHER</u>  + 315khz

AD35 - SPECIFICATION

C

Battery Replacement



Battery Compartment

1. Locate the battery compartment on the rear of the unit.
2. Lightly press and simultaneously slide the compartment open.
3. Carefully remove the battery and disconnect from the connector.
4. Replace the battery and refit in the case.

Specification

SPECIFICATION	
SIZE (mm)	65(w) x 130(h) x 25(d)
WEIGHT	152g (inc battery)
VEHICLES TESTED	All Makes
COILS/ANTENNAS TESTED	All Makes
REMOTES/PLIPS TESTED	Radio Frequency
DISPLAY	LCD
AUDIBLE INDICATION	Yes
BATTERY LOW INDICATION	Yes
POWER	9v / PP3 Battery

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