Details of the session

Date: 18.12.2019 Time: 10.00 AM to 5.00 PM

Venue: Ford Research Laboratory (C-Block Ground Floor)

Resource Person: Mr. Shiek Dawood, Ford India Pvt. Ltd., Chennai.

Student Name List

S.No	Reg. No	Name of the Student	Signature
1	922116114001	ABDUL RAHMAN S	Abditationed
2	922116114006	AMAR JOTHI B	Banay atter
3	922116114014	GOBINATH V	V. Dem
4	922116114015	GOKUL M	Gold M
5	922116114022	HARI VIGNESH G	hail mul.
6	922116114028	JOTHIMURUGAN K	Sport
7	922116114032	KARTHICKEYAN A P	Rath- May and
8	922116114034	KARUNAKARAN R	J. Lunead
9	.922116114036	KAVIARASU K	Komorasu
10	922116114046	MUTHURAJA S	Juthraja
11	922116114055	PRAKASH B	Parel.
12	922116114061	RAMKUMAR M	Rombon

Faculty In-charge

CM. JERRAR BARAR ARAN

18/12/2019 HOD / Mech

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REMOVAL OF HEAD LAMP EX. NO:1

Lateor

To remove the front faced head lamp from the Ford ecosport.

TOOLS REQUIRED:

T30 mm bit, screw driver.

PROCEDURE:

Then remove the push clip on the both side that was placed near to the head At first open the bonnet of the car.

By using screw driver we can remove that bumper push clip.

Then remove the push clip plug that supplies power to the whole head lamp. Then remove the two holding screw of the head lamp.

After that remove the retainer clip that holding the whole wiring setup of the

head lamp

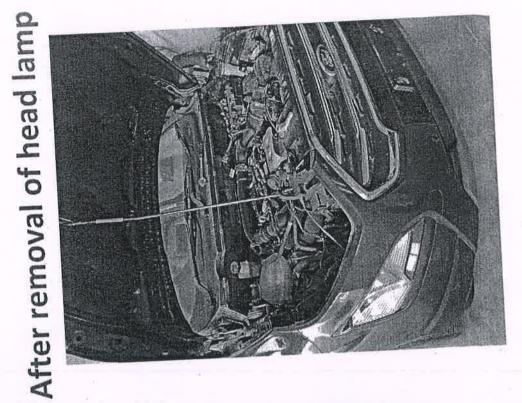
Then gently hold the hands over the head lamp and pull upwards. Due to this process the head lamp will remove from its projection.

Do this process in reverse process to place the head lamp at the correct

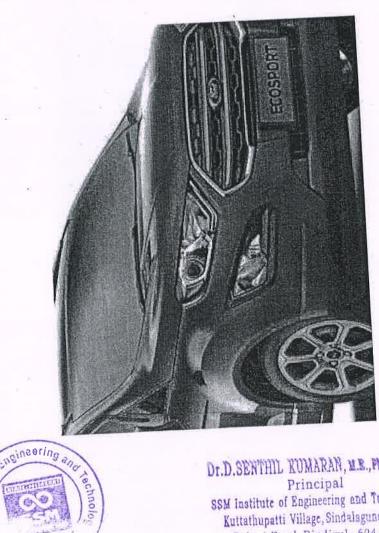
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Head lamp removal



Before removal of head lamp





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EX. NO:2 REMOVAL OF AIR CLEANER BOX

To remove the air cleaner and clean the air cleaner box. **OOLS REQUIRED:**

Screw driver.

PROCEDURE

At first open the car's bonnet.

Then remove the mach sensor socket by push clip.

After that loose the clamp screw that holding the air intake hose and air filter

Gradually loose the clamp screw by using screw driver.

After remove the air filter intake pipe just above the bumper. Then separate the air intake hose and air filter outlet.

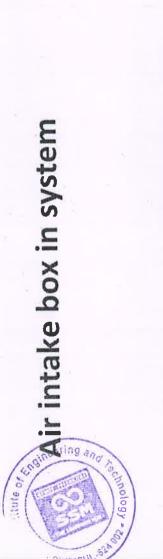
Gently remove the air filter box from the system.

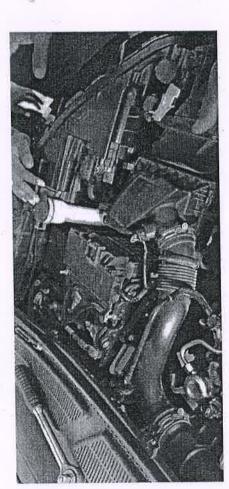
Then open the air filter box and clean with compressed air (or) pressurized air. Do this process in reverse process to place the air filter box in correct position.

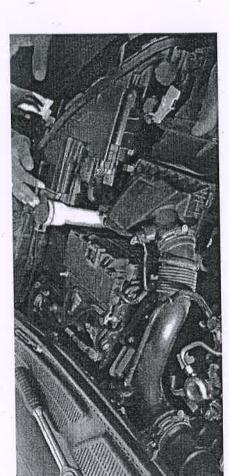
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Air intake box

Inside the Air intake box







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REMOVAL OF FOG LAMP & INDICATOR IN BUMPER EX. NO:3

astitute of

To remove the fog lamp and indicator of the Ford Ecosport Titanium.

TODIS REQUIRED:

Small screw driver, T30mm Bit socket.

PROCEDURE:

At first try to insert a small screw driver's top edge at the top corner of the plastic

casing that placed around the indicator and fog lamp setup.

After removal of plastic casing , remove the T30mm screw that placed at the bottom of Then pull the plastic casing around the indicator and fog lamp setup.

the indicator and fog lamp setup

Then place the screw driver in the rubber bush placing that was in the back side of the

Pull the screw driver to remove the metal ball projection from the rubber bush. Then gradually remove the indicator and fog lamp from the projection.

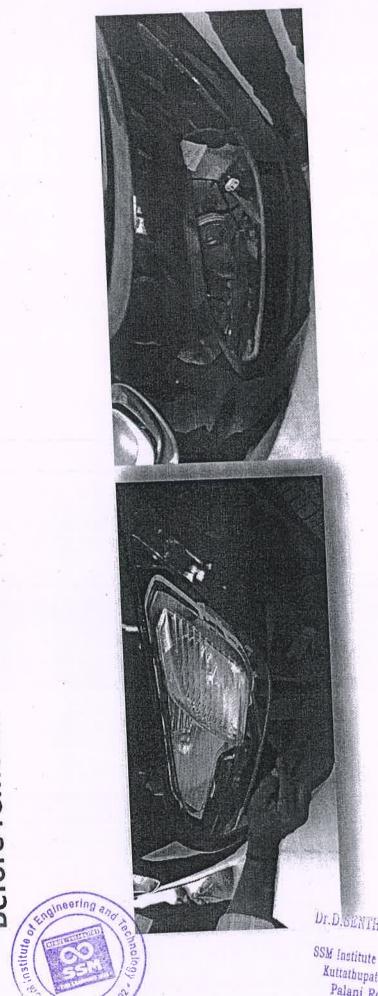
Do this process in reversely to fix the indicator and fog lamp setup in correct position.

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Indicator and fog lamp setup.

Before removal

After removal



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Ex. No: 4 Fixing and removal of Toe screw

Aim:

To fix and remove the toe screw in the ford eco sport car.

Fools Required:

Screw driver

Procedure:

At first remove the small cap in the left side of the car by using These simple processes are mostly similar for all cars. screw driver.

That was pleased hear to the indicator and fog lamp setup.

After opening those we the toe screw and screw the toe screw inside the opened projection and tighten the required amount.

Do these process n reveres way to remove the Toe screw from the car and place that in the dedicated place.

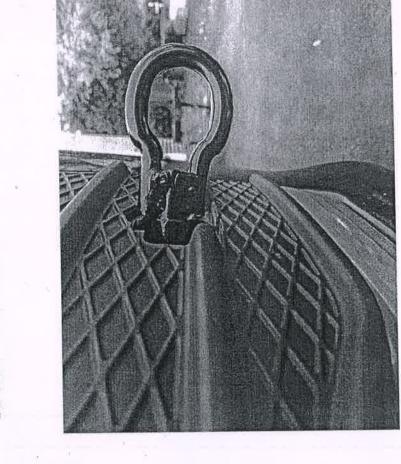
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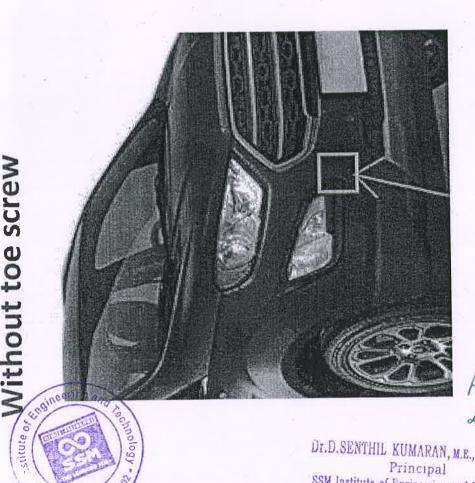
Toe screw fitting

With toe screw



Without toe screw

INDIGUL 524



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Door check arm removing Ex. No:5

To remove the check arm from the door.

May - Kenoully Required:

T10 mm socket, T30mm socket,

Procedure:

The main function of the check air is used to move the door step by step and used to stay the door at particular position without oscillation.

At first open the door and check the front ends side of the door. There is 2 bolts were placed. Remove those bolts and remove the holding screw of the check arm.

Gradually pull the check arm from the setup and remove it.

Do this process reversely to fix the check at the correct position.

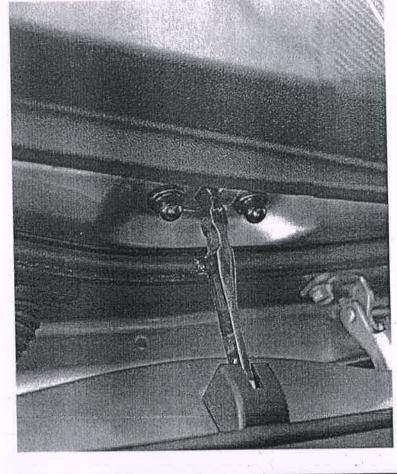
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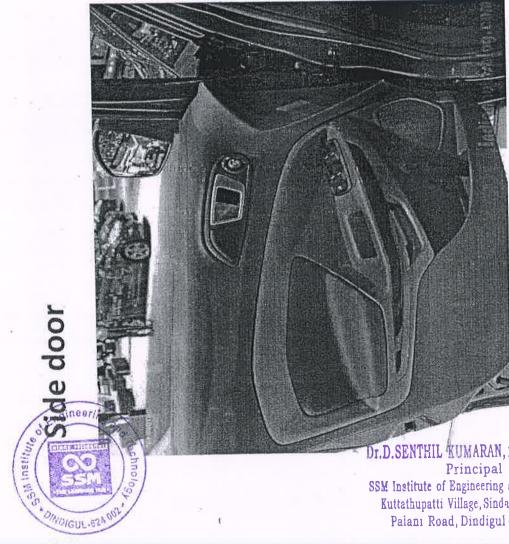
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Door Check Arm

Door check arm





de door

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Ex. No:6 Removal of wheels

Aim:

To remove the wheels of the Ford Eco Sport and fix it.

Tools Required:

Lifting Jack, 20mm T-spanner

Procedure:

Place lifting Jack at the projection given to place the jack.

By rotating the jack at clock wise to lift the jack.

After lifting the car at particular height loosen the bolts of the

wheels. Then continue the lifting process.

After the full lifting of car body remove the bolts from the

wheel.

Then pull the type to the side and the wheel below the car. Do this process in reversely to fix the wheel at the correct

position.

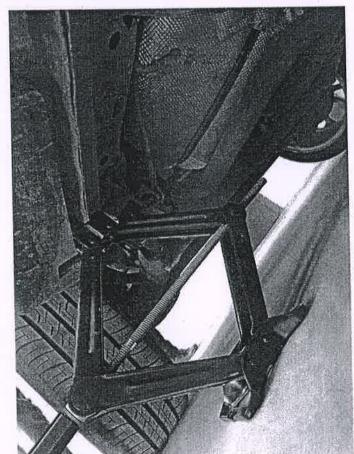
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Wheels removal

Loosening the bolts







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