

Labor estimates function

We recommend reading our Vehicles in Shop and Repair Page guide prior to this one.

If you are already know how to work with Repair Page, you will quickly master this function. We

start with login to our profile and navigating to * Configuration * section.
Then select * Financial * and * Labor Estimate *.

On the right side of the screen, you will see a graph with Probability percentage and time of Labor completion.



Probability values percentage mean probability of successful job completed within the established time frame.

For example, 75% will mean that in 3 out of 4 cases a mechanic will complete the job at a given time. The greater Probability % you choose, the more time will be set for the Labors completion with a better chance of performing repairs on time.

Repairs can get pretty unpredictable sometimes. A rusty bolt may require additional time and spoil everything.

Time estimation depends on the qualifications and experience of mechanics. Thus, the same repair on the same car can take the completely different amount of time.

Let's return to the schedule.

You can change the values from 1 to 99%.

This change will automatically affect labor time calculation.

If you reduce probability rate percentage on the graph from 85% to 75%, the estimated labor time will decrease accordingly.

We have added recommendation probability rate for your convenience - 75% to 95%.

If you set the values in this range, you can be sure that there will be enough time to complete the job.



Select a vehicle from example and make on drop-down list graph.

ARC is the first graph marked with blue.

This is Auto Repair Cloud estimate, developed by our specialists.

Changing the Probability % can allow you to compare our estimation with Mitchell, ALLDATA, Chilton, as well as OEM (Original Equipment Manufacturer) estimates.

For example, Shift Solenoid labor on Ford Escort 2001 with 85% Probability is estimated to be completed in 2.2 hours. Setting Probability to 60% will decrease time to 1.89h - greater value than "Chilton regular" and "Mitchell", but less than "ALLDATA" and "Chilton severe".

And by setting Probability % at "Average time" or in other words by 50% will give you average time based on all of the listed companies.

But in this case, only 2 out of 4 labors will be completed on time.

Thus, based on the comparative chart and selected labors, one can assume how the estimated time for all other labors will change.

Finally, let's move on to Repair Page and see how it works.

On the Repair Page select Labor from the drop-down list and click the blue button with a wrench. You will see a list of labors, available for the selected vehicle.

The screenshot displays the 'Repair # 2939' page. At the top, it shows the vehicle 'F-150 Ford 2007' and '10 mi'. Below this is a table for adding labor items. The table has columns for Description, Type, Price, \$, Hours, Qty, Total, \$, and Status. A blue button with a wrench icon is circled in red. The table shows a total of 0.00 for Price, \$ and 0.00 for Total, \$.

Description	Type	Price, \$	Hours	Qty	Total, \$	Status
Description	Labor	44	1.0			+ Add item
Total			0.00		0.00	

Below the table, there are sections for 'Repair status' (Initial), 'Technician' (John T.), 'Time Started' (2017-09-05 13:26), and 'Requests for repair' (Accepted 0, Excluded 0). There are also buttons for 'Accept all for this repair' and 'Exclude all for this repair'. A list of repair requests is shown below, including 'Check level Engine oil', 'Check level Power steerin', 'Check operation Lighting', 'Check operation Warning', and 'Inspect & adjust air pressu'. At the bottom, there are navigation buttons: Help, Send Email, Download, Print, and Delete.



Labors for Ford F-150 2007



Maintenance	9
Heating and Air Condition...	15
Emission	10
Charging	2
Automatic Transmission	16
Starting	4
Lamp and Switch	9
Brake	19
Exhaust	2
Engine Cooling	8
Clutch	3
Engine	13
Cruise Control	2
Fuel	12
Ignition	8
Steering	17

Show all

Search



Add selected item(s) to repair

- Maintenance > 3 Maintenances for 5,000 mi
- Maintenance > 9 Maintenances for 15,000 mi
- Maintenance > 4 Maintenances for 30,000 mi
- Maintenance > 1 Maintenance for 100,000 mi or 2022-09-05
- Maintenance > 2 Maintenances for 100,000 mi
- Maintenance > 1 Maintenance for 120,000 mi
- Maintenance > 2 Maintenances for 150,000 mi
- Maintenance > 4 Maintenances for 2017-10-05
- Maintenance > 10 Maintenances for 2018-03-05



Help



Return to the Repair

If labors for the vehicle you have selected will be unavailable, "Substitution" function will suggest similar car and labors.
If you want to see Labors for another car, click on "Substitution" in the right corner of the screen.

The screenshot displays the 'Labors for BMW 5 Series 2000' interface. On the left, a vertical list of maintenance categories is shown with their respective counts: Maintenance (4), Heating and Air Condition... (18), Emission (13), Charging (3), Starting (4), Lamp and Switch (21), Brake (20), Exhaust (5), Engine Cooling (15), Clutch (5), Engine (31), Cruise Control (5), Fuel (17), Front Suspension (9), Ignition (6), and Steering (18). The main area features a 'Show all' button, a search bar, and a green 'Add selected item(s) to repair' button. Below these are four maintenance items with checkboxes: 'Maintenance > 1 Maintenance for 30,000 mi or 2019-09-05', 'Maintenance > 1 Maintenance for 60,000 mi or 2021-09-05', 'Maintenance > 2 Maintenances for 100,000 mi', and 'Maintenance > 33 Maintenances for'. A 'Substitution' button is highlighted in the top right corner. At the bottom, there is a 'Help' button and a 'Return to the Repair' button.

In case there will be absolutely no labors, make sure you entered the vehicle's information correctly.
If you have entered everything correctly, then you really have a rare gem!

Find / Add Customer & Vehicle

Phone* Email

First Name First Name Last Name Last Name

Address # House, Street, Apt City State Zip

1st Car	2nd Car	3rd Car	Add
VIN <input type="text"/> VIN <input type="button" value="Q"/>	License <input type="text"/> Number <input type="text"/> State <input type="text"/>		
Odometer, mi* <input type="text"/> 10	Approximate mileage: 10000 mi per year (calculated)		

Vehicle* Ford F-150 2007 FX2

Submodel SuperCrew

Transmission A

Engine Size, cub. 4.6 # Cylinders 8

Power, hs 248

Wheels Drive RWD

Configuration V

F-150
F-150 Heritage
F-150 SVT Lightning

Let's return to the previous case (Ford F-150 2007) and consider the time of Labor Estimate using the example of Heating and Air Conditioning and Compressor Assembly Replace.

With a default Probability of 85%, completion of this Labor will take 1.61 h.

If you set Probability to 75% - time will decrease to 1.54 h lowering the chance that a mechanic will complete this job within this timeframe.

Configuration

- Profile Settings
- Financial
- Client Payments
- Invoice Settings
- Labor Estimate**
- Price Algorithm
- Shop Suppliers
- QB Syncing
- Subscription
- Technical

Labor Estimate

TUNING OF LABOR ESTIMATE

Labor estimate is 75% accurate

Average time Recommended area

Example: Nissan Altima 2009 - Cabin Air Filter

Category	Labor time (h)
ARC	0.44h
Chilton	regular - 0.4h
Chilton	severe - 0.5h
ALLDATA	0.3h
Mitchell	0.5h
OEM	0.3h

Help
Info

Labors for Ford F-150 2007

- Maintenance 9
- Heating and Air Condition... 15
- > Core 15
- Emission 10
- Charging 2
- Automatic Transmission 16
- Starting 4
- Lamp and Switch 9
- Brake 19
- Exhaust 2
- Engine Cooling 8
- Clutch 3
- Engine 13
- Cruise Control 2
- Fuel 12
- Ignition 8

Show all

Q
🔍
Add selected item(s) to repair

Heating and Air Conditioning > Core > Compressor Assembly

> Compressor Assembly Replace
Time: 1.54 h
Add and return

Part: Compressor Quantity: 1

Description
The compressor is the power unit of the air-conditioning system that puts the refrigerant under high pressure before it pumps it into the condenser, where it changes from a gas to a liquid.

Symptoms
AC compressors may need to be replaced if they are found to be leaking oil and/or refrigerant. Falling A/C compressors that make unusually loud noises while operating should be addressed before they cause damage to other parts in the AC system.

Best practices
We recommend replacing the A/C drier when the A/C compressor is replaced. The A/C drier acts as a moisture and debris filter for the A/C system and a new part will keep the repaired system clean. (This will add additional parts and labor cost to the estimate.) Any restrictions in the A/C system will need to be identified and repaired or a recurring problem with the A/C compressor is likely.

- Heating and Air Conditioning > Core > AC Line
- Heating and Air Conditioning > Core > Receiver
- Heating and Air Conditioning > Core > System
- Heating and Air Conditioning > Core > Blower Motor Resistor
- Heating and Air Conditioning > Core > Vent / Fan Blower Motor

Help
🔧 Return to the Repair

To add selected Labor, click “Add” and return.

If you need to add more Labors, check the required ones and click “Add” selected item (s) to repair”.

The screenshot displays the 'Labors for Ford F-150 2007' interface. On the left, a sidebar lists maintenance categories with counts: Maintenance (9), Heating and Air Condition... (15), Core (15), Emission (10), Charging (2), Automatic Transmission (16), Starting (4), Lamp and Switch (9), Brake (19), Exhaust (2), Engine Cooling (8), Clutch (3), Engine (13), Cruise Control (2), Fuel (12), and Ignition (8). The main area features a search bar and a green 'Add selected item(s) to repair' button. Below this, a list of labor items is shown, with 'Compressor Assembly Replace' selected and highlighted in blue. This item has a time of 1.54 h and a red box around its 'Add and return' button. The description for this item states: 'The compressor is the power unit of the air-conditioning system that puts the refrigerant under high pressure before it pumps it into the condenser, where it changes from a gas to a liquid.' Other items in the list include 'AC Line', 'Receiver', 'System', 'Blower Motor Resistor', and 'Vent / Fan Blower Motor'. At the bottom, there is a 'Help' button and a 'Return to the Repair' button with a wrench icon.

The screenshot displays the 'Labors for Ford F-150 2007' interface. On the left is a sidebar with categories like Maintenance (9), Heating and Air Condition... (15), Core (15), Emission (10), Charging (2), Automatic Transmission (16), Starting (4), Lamp and Switch (9), Brake (19), Exhaust (2), Engine Cooling (8), Clutch (3), Engine (13), Cruise Control (2), Fuel (12), and Ignition (8). The main area shows a search bar and a list of tasks. The 'AC Line Replace' task is highlighted in green, with a time of 0.73 h and an 'Add and return' button. Below it, the part 'Refrigerant Line' is listed with a quantity of 1. A description, symptoms, and best practices are provided. A list of related tasks follows, including Receiver, System, Blower Motor Resistor, Vent / Fan Blower Motor, and AC Hoses (2 services). A red box highlights the 'Add 2 selected item(s) to repair' button at the top right, and another red box highlights the checkmarks for the selected items in the task list.

Some Labors require an auto part, which will need to be replaced during the repair process. If you want auto parts to be added automatically, you have to fill in the templates.

To do this, click the edit button next to Part Item and fill in all the necessary information, such as part number, quantity, and price, and then click "Done".

Or click on the blue shop icon and follow the instructions to order the required part. After completing the purchase, all the fields will be filled automatically.

Repair # 2939

F-150 Ford 2007 10 mi No Notes Yet Add a repair tag, split with semicolon

Description	Type	Price, \$	Hours	Qty	Total, \$	Status
Compressor Assembly Replace	Labor	44.00	1.54		67.76	Suggested
Compressor	Parts	0.00		1	0.00	Suggested
AC Line Replace	Labor	44.00	0.73		32.12	Suggested
Refrigerant Line	Parts	0.00		1	0.00	Suggested

Description: Labor Price: 44 Hours: 1.0 + Add item

Total: 2.27 104.87

Repair status: Initial

Technician: John T.

Time Started: 2017-09-05 13:26

Requests for repair: Accepted 0 Excluded 0

Accept all for this repair Exclude all for this repair

- Check level Engine oil
- Check level Power steerin

Help Send Email Download Print Delete

Repair # 2939

F-150 Ford 2007 10 mi No Notes Yet Add a repair tag, split with semicolon

Description	Type	Price, \$	Hours	Qty	Total, \$	Status
Compressor Assembly Replace	Labor	44.00	1.54		67.76	Suggested
Compressor	Parts	0		1	0.00	Suggested
AC Line Replace	Labor	44.00	0.73		32.12	Suggested
Refrigerant Line	Parts	0.00		1	0.00	Suggested

Description: Labor Price: 44 Hours: 1.0 + Add item

Total: 2.27 104.87

Repair status: Initial

Technician: John T.

Time Started: 2017-09-05 13:26

Requests for repair: Accepted 0 Excluded 0

Accept all for this repair Exclude all for this repair

- Check level Engine oil
- Check level Power steerin

Help Send Email Download Print Delete

Let's return to the * Labor Estimate * settings.

Here are two switches: * ARC labor time * and * OEM labor time *.

If you want to see ARC time estimate in Labors (On Repair Page) - the * ARC labor time * switch should be turned on.

If you want to see OEM time - turn on * OEM labor time *.

If Original Equipment Manufacturer does not have data on a Labor, ARC time with a yellow asterisk will be shown in Repairs by default.

The screenshot displays the 'Labors for Ford F-150 2007' interface. On the left, a sidebar lists various vehicle systems with their respective labor counts: Maintenance (9), Heating and Air Condition... (15), Emission (10), Core (10), Charging (2), Automatic Transmission (16), Starting (4), Lamp and Switch (9), Brake (19), Exhaust (2), Engine Cooling (8), Clutch (3), Engine (13), Cruise Control (2), Fuel (12), and Ignition (8). The main area shows a list of services under 'Emission > Core > Mass Air Flow Sensor (3 services)'. The first service, 'Mass Air Flow Sensor Replace', is selected and shows a time of 0.43 h with a yellow asterisk, circled in red. Below it are 'Mass Air Flow Sensor Replace - Super Duty' (0.2 h) and 'Mass Air Flow Sensor Replace - Pickups' (0.2 h). The interface also includes a search bar, a 'Show all' button, and an 'Add selected item(s) to repair' button. At the bottom, there is a 'Help' button and a 'Return to the Repair' button.

Preparation work is preparation for repair.

These are both the reporting and working environment setup.



- In * Preparation work * you can choose one of 4 options:
- 1) None - preparation time for operation will not be added.
 - 2) Add as new labor item - prep time will be added once, as a labor item.

Repair # 2939

F-150 Ford 2007 | 10 mi | No Notes Yet

Description	Type	Price, \$	Hours	Qty	Total, \$	Status
Maintenance repair time	Labor	44.00	0.40		17.60	Suggested
Compressor Assembly Replace	Labor	44.00	1.54		67.76	Suggested
Compressor	Parts	0.00		1	0.00	Suggested

Total: 1.94 hours, 89.63 \$

Repair status: Initial

Technician: John T.

Time Started: 2017-09-05 13:26

Requests for repair: Accepted 0, Excluded 0

Accept all for this repair | Exclude all for this repair

- Check level Engine oil
- Check level Power steerin
- Check operation Lighting

Help | Send Email | Download | Print | Delete

- 3) Add to first labor item - the time will be added once to the time of the first labor item.
- 4) Add to each labor item - the time will be added to each labor item.

* Time of prep work * - is the time you want to add as preparation time.

The last one is * Rounding of labor time *.

Configuration

Labor time

Probability, %

Average time Recommended area

68%

Example: Ford Escort 2001 - Shift Solenoid

Supplier	Labor time (h)
ARC	1.97h
Chilton	regular - 1.8h
Chilton	severe - 2.1h
ALLDATA	2.2h
Mitchell	1.8h
OEM	1.2h

Ford Escort 2001

	OEM	Chilton	ALLDATA	Mitchell	ARC
Total number of labors	268	340	655	381	381

SETTINGS OF ACCURACY

Rounding of labor time: 2 decimal places (selected), 2 decimal places, 1 decimal place

Preparation work: 1 decimal place

Time of prep work: 6 minutes

TYPE OF THE LABOR

ARC labor time:

OEM labor time:

Depending on your needs, select the appropriate option in the Decimal place (1 decimal place, 2 Decimal Places).