

Assembler, Automobile

Aliases: Automobile Assembler Fitter

Industry/Sector(s): Automotive

JOB DESCRIPTION ¹

The tasks an Assembler (Automobile) is expected to perform include:

- Assembling different parts and units of automobile, installing them on frame and making necessary connections, adjustment, settings, etc. according to specifications
- Assembling engine, gear box, front and rear axles, etc. individually according to specifications and ensuring their stipulated performance
- Placing body frames, side members, supporting frames, etc. in special jigs and securing them tightly by fixing bolts and nuts to different parts

WORK ENVIRONMENT ^{1, 2}

- It requires physical activity
- May need to handle a team
- Local travelling is not a part of this job role
- Part-time work and contractual jobs are available
- Work from home option is not available

Working hours

- Organizations usually work for 5/6 days a week for 8/9 hours everyday. This may vary from organization to organization
- Shift system may be available
- Overtime may be required

Is the job suitable for a candidate with special needs?

This may vary from organization to organization

HEALTH AND SAFETY REQUIREMENTS/RISKS

- This job is considered mildly hazardous or dangerous
- Health hazards include exposure to chemicals, toxic materials, etc.
- Occupational hazards include strain on eyes, risk of accidents, injuries, chemical reactions, slips, etc.

EDUCATIONAL QUALIFICATIONS AND TRAINING ⁴

Preferably, B. Tech/B.E in Mechanical

KEY COMPETENCIES ¹

- Proficiency in assisting spot welder to spot weld body frame
- Skilled in fitting front and rear axle to body and tightening with nuts and bolts
- Well-versed with collecting various components and parts from sub-assembly or from nearby bins and fitting them to body or chassis as appropriate
- Knowledge of lifting assembled engine manually or using hoisting equipment carefully, placing it over engine frame of chassis and securing it in position with bolts and nuts
- Proficiency in fitting clutch, gear box propeller shaft, etc. and making necessary settings and adjustments
- Adept at gathering such parts like radiator, alternator, water pump, hydraulic/vacuum brakes, etc. from nearby sub-assembly line and fitting them to vehicle
- Well-versed with making necessary adjustments, connections and alterations to fittings as directed
- Knowledge of checking for wheel alignment using special equipment and making necessary adjustments to brakes
- Proficiency in delivering assembled vehicle to trim line for fitting of upholstery, door and window glasses, door locks and other fittings
- Skilled in lubricating various moving parts of vehicle with grease or oil

DESIRABLE COMPETENCIES ¹

- Knowledge of assembling engine, gear boxes, axles, hydraulic brake system, etc.
- Time management skills
- Ability to work independently
- Problem-solving skills
- Analytical skills

PERSONALITY TRAITS

- Physically fit
- Energetic
- Dependability
- Persistent
- Time management skills
- Ability to work independently
- Problem-solving skills
- Dealing with complexity
- Analytical skills

AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

- TIs across India
- K J Somaiya College of Engineering
<https://www.somaiya.edu/kjsce/academic/programs/en>
- Institution of Mechanical Engineers
<http://www.imeindia.in/>

AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

For scholarship and schemes, use further links like:

- <https://scholarships.gov.in/main.do>

SAMPLE OF TRAINING AND LEARNING COURSES

<https://targetstudy.com/courses/diploma-in-mechanical-engineering.html>

CAREER PROGRESSION PATH ⁵

Assembler (Automobile) → Process Supervisor → Plant Supervisor → Plant Manager

The progression is indicative

Transfer option

- India: Yes
- Abroad: Rarely

(*This field to open the relevant job title when clicked)

EXPECTED EARNINGS³

For candidates with experience - Rs 16,000 to Rs 41,000 per month

These figures are indicative and subject to change

REQUIRED WORK EXPERIENCE³

Generally, 2 - 7 years of experience is required

CURRENT MARKET TRENDS

Growth and Development in the Automotive Sector in India

Indian automotive industry holds a prestigious position in the world. It is one of the largest auto sectors in the world and in the year 2014-15, about 31% of the small cars sold in the world were manufactured in India. Growing middle class and a rise in the number of youth are the primary reasons why the automotive sector enjoys such a privileged position. India is also one of the prime auto exporters in the world and this segment is expected to grow even further in the next 4-5 years.

Foreign Direct Investment (FDI) is another reason for this sector to blossom the way it has. Many multinational and Indian companies have invested heavily, which has given this sector the boost it needed. Honda Motorcycle and Scooter India (HMSI) have jointly opened their fourth and the largest scooter plant in the world in Gujarat. Ford is going to introduce Ford Mustang in India in 2016. Nissan Motor Co. is in the process of tying up with the Government to introduce hybrid, technologically advanced, electric cars in India. General Motors, Chrysler, and many well-known players are going to invest in the automotive sector in India. Mercedes Benz has doubled its India assembly capacity. Bayerische Motoren Werke's (BMW) local unit is going to start sourcing for parts from India-based companies.

The Government has also been working constantly to encourage growth and development in this sector. Government has allowed 100% FDI under the automatic route. A separate Department of Transport is being set-up to deal with sector-specific issues. To increase tractor sales in India, Government is providing credits to farmers. Government is also promoting the use and sale of hybrid, eco-friendly, CNG-operated cars to help curb pollution. National Electric Mobility Mission 2020 is created to encourage introduction and eventual transition to eco-friendly, reliable, affordable, and efficient hybrid and electric cars in the country. Experts are predicting that by 2026 this sector will generate 65 million additional jobs in India.

PROBABLE EMPLOYERS^{1, 3, 4}

- Automobile manufacturing units across India
- Automobile workshops across India
- Service centres across India

JOB OPPORTUNITIES IN INDIA

Towns and cities across India

PEOPLE'S CORNER

Coming Soon

KEYWORDS

Automobile Assembler Fitter

OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	8211.1200	Assembler, Automobile
ISCO 2008	Mechanical Machinery Assemblers	Not available
NIC 2008	29104	Manufacture of motor vehicle engines
QP Reference	Not available	Not available
NSQF	Not available	Not available

REFERENCES

1	National Classification of Occupations Division 8
2	http://socialjustice.nic.in/policiesacts3.php
3	http://www.naukri.com/job-listings-Assembly-Engineer-Phoenix-Consultancy-Services-Delhi-NCR-National-Capital-Region--2-to-7-years-250716002143?src=jobsearchDesk&sid=14696033534531&xp=1&qp=assembly%20engineer&srcPage=s
4	http://www.naukri.com/job-listings-Senior-Engineer-Production-Assembly-B-tech-Auto-Industry-Rudrapur-GN-Associate-Rudrapur-5-to-8-years-230716004722?src=jobsearchDesk&sid=14696033534531&xp=26&qp=assembly%20engineer&srcPage=s
5	http://www.dget.nic.in/upload/uploadfiles/files/publication/Des-Div-8.pdf