

Auto Painter 3721

Task List

1. Reads and interprets instructions on paint and material containers to follow instructions; safety and emission rules issued by City, State, and Federal agencies such as CAL/OSHA and Air Quality Management District's Rule 1151 regarding Volatile Organic Compounds to comply with rules; Safety Data Sheets to determine such information as the amount of Volatile Organic Compound; and written instructions from supervisors to follow instructions.
2. Follows oral and written instructions from supervisors to begin and complete painting job assignments.
3. Uses power driven tools such as random orbital sanders, jitterbug sanders, paint shaker machines, portable sandblasters, polishers, steam cleaners, impact wrenches, and open and enclosed paint gun cleaner machines to prepare surfaces for painting, apply primer and finish coats to surfaces, and complete painting jobs.
4. Removes by using hand tools, vehicle accessories such as moldings, windshield wipers, and decals in order to prepare the vehicle for painting.
5. Maintains painting booths by changing front and back air filters, replacing light bulbs, and applying paint to painting booth walls to keep work environment in good condition.
6. Consults paint manufacturer's production book to find out what type of paint is on the vehicle.
7. Removes the old paint finish from the vehicle by using a scraper with a razor blade, and applying paint remover with a brush.
8. Finishes the exposed metal of the vehicle by operating a random orbital sander with a number 80 grit paper in preparation for minor body work.
9. Feather edges a partially painted panel by operating a random orbital sander with number 150 or 180 grit paper.
10. Removes wax and grease from the old paint finish by using wax and grease remover and wiping vehicle surface with a new, clean wiping cloth; and removes dust from the old paint finish with a new, clean tack rag.
11. Pulls appropriate amount of masking paper from masking paper stand to mask windshield, windows, and headlights.
12. Applies wheel cover cloths to mask wheels by taping cloths down.
13. Cuts and applies tape around the edges of the windshield and other windows to protect them from painting over-spray.
14. Applies one sheet of masking paper on the windshield by placing and pressing on the lower portion of the windshield first; laying out and applying tape on the edges and center of the windshield.

15. Applies masking paper to a two-tone panel by attaching plastic tape to one edge of the paper and pressing the upper edge of the paper to the vehicle body; and creasing paper to the required width and taping it into the proper position.
16. Applies masking paper to parts of the vehicle that will not be painted by laying the individual strips on the surface and pressing; and checking to make sure the taped edges adhere to the vehicle panel.
17. Applies correct width of masking tape to vehicle accessories such as chrome trim, chrome beading, chrome molding, door handles, and weather stripping in order to protect them from painting over spray.
18. Applies small paper or plastic bag over the side mirrors in order to mask them to prevent them from being painted.
19. Cuts a narrow strip of masking paper approximately 10 feet long to prevent paint over spray inside of the vehicle.
20. Presses a narrow strip of masking paper approximately 10 feet long on the outside lower corner of the door and applies the masking paper all around the door; cuts and presses a narrow strip of masking paper approximately 10 feet long around the door frame to protect the upholstery from any overspray when painting the inside of the door jam.
21. Cuts a piece of masking paper of an appropriate size so that it will fit $\frac{3}{4}$ around the vehicle's headlight; cuts a second piece and fits around the first piece in order to make a "funnel" around the headlight; folds masking paper over the front of the headlight and tapes it down.
22. Cuts, fits, and places various sizes of masking paper and/or masking tape for such vehicle accessories as safety marker lights, fenders, rocker panels, emblems, tail lights, and grilles.
23. Cuts a "sleeve" of masking paper long enough to cover the vehicle's antenna and tapes the bottom of the sleeve to the body of the vehicle.
24. Applies a metal conditioner by using a rag and wearing gloves in order to prepare the vehicle for the coat of primer paint; and rinses off the conditioner with water.
29. Repairs small scratches and/or imperfections on the surface of the vehicle by washing with water, washing with solvent, and using a random orbital sander to feather-edge the repair area until the surface is smoothly tapered.
30. Repairs deep damage on the surface of the vehicle by feather-edging using a random orbital sander and applying several coats of primer surfacer; sands repair area surface when primer surfacer coats are dry in order to blend the top coats into the original finish.
31. Repairs extensive damage on the surface of the vehicle and/or in cases of excessive fading of the original paint by washing entire panel with hot, soapy water; sanding entire panel; and feather-edging entire panel using a sander.

32. Fills imperfections in vehicle surfaces by using plastic filler and fiberglass to prepare surfaces for painting.
33. Applies primer sealer to repaired areas on the surface of the vehicle and/or where cases of excessive fading of the original paint occurred by using a paint gun.
34. Applies a topcoat of paints such as polyurethane, and urethane to dried primer coated areas on the surface of the vehicle by using a paint gun.
35. Prepares flexible plastic parts such as urethane body panels and bumpers for painting by cleaning surface with plastic parts cleaner, wet sands surface with number 600 grit treated sanding paper, and re-cleaning surface with the plastic parts cleaner.
36. Paints flexible plastic parts such as urethane body panels and bumpers by applying primer with a HVLP paint gun to the surface, applying a double coat of flexible plastic primer when the surface has dried; mixing flexible additives to color coat paints such as urethane enamel or lacquer; and applying the color coat of urethane enamel or paint with a HVLP paint gun and using a respirator for safety reasons when the flexible plastic primer has dried.
37. Identifies type and color used on the vehicle by reading the identification tag on the vehicle; looking up the type and color in the paint manufacturer's "paint chip" books; or using a color match camera.
38. Shakes paint cans to mix paint by clamping can in the power driven paint shaker machine and starting the timer/on switch on the machine.
39. Stirs cans of paint thoroughly to make sure the pigments are properly mixed with the paint's solid matters.
40. Uses clean spatula, one-inch wooden stirring paddle, and/or a one inch plastic stirring paddle to prevent contamination of the paint with dirt, grease, and/or other paint.
41. Slowly adds reducers to paint in order to prepare paint for use in a variety of spray paint equipment.
42. Matches color of paint on vehicle with new paint by looking at the color of the paint as it appears in the can to find out the mass tone; finding out the tint tone of the paint by adding a large amount of paint color with a small amount of white; checking the tint tone of the paint in sunlight to determine if different pigments were used in the original finish; reading the list of paint colors and amount of tint added to accurately produce the correct color of paint.
43. Matches color of paint on vehicles with new paint by operating a spray gun too far away from the surface which produces a lighter color; by operating the spray gun too close to the surface which produces a darker color; by applying multiple coats with a spray gun which produces changes in the color.
44. Checks the color match by using a rubbing compound on the lower corner of the trunk lid in order to view the surface from several different angles (to see the light reflection better); cleans the area with hot, soapy water to remove any oil traces left by the rubbing compound; wipes the surface

with a clean cloth; sprays a small piece of metal with a spray gun using the right color correctly reduced the correct air pressure; and compares the cleaned area with the original finish on the piece of metal.

45. Adds a small amount of darker or lighter shade of the color to a small amount of the original reduced color to produce the proper color shade.
46. Selects the proper tinting color from the tinting chart and adds it to the reduced color; sprays the newly mixed color next to the original test spray patch to see if there is an exact match; and continues the process until there is an exact match.
47. Uses spray painting and brush equipment such as High Volume Low Pressure (HVLP) paint guns, pinstripe brushes, and touch-up spray guns for purposes of applying primer and finish coats to vehicle surfaces including automobiles, motorcycles, trucks, construction equipment, fire apparatus, and boats; to shop products surfaces such as brackets and fiberglass doors; and to wooden surfaces.
48. Attaches air filter/water trap to the air compressor hose outlet in the painting booth to prevent oil and water contamination from entering the paint gun.
49. Uses paint drying equipment such as portable infrared panel type in order to quickly dry applied paint on newly painted vehicles.
50. Uses a variety of respirators such as the hood type (which protects the eyes); the organic type (equipped with replaceable cartridges) which remove organic vapors by chemical absorption to prevent inhaling toxic paint fumes; and the free air system which brings fresh air into the painting booth.
51. Adjusts spray gun air pressure to obtain the proper test pattern and atomization.
52. Holds spray gun level and at a distance of approximately 8-10 inches from the painting surface applying enamel paints.
53. Holds spray gun level and at a distance of approximately 6-8 inches from the painting surface when applying paints.
54. Applies paint to a panel by "blending-in" the edges in a vertical motion and sprays in a horizontal motion; triggers the spray gun at the beginning of each stroke.
55. Rubs, polishes, and waxes finish coats on painted surfaces to complete painting projects and/or maintain finish coats.
56. Removes dust from paint surface crevices prior to application of color coat by using compressed air equipment and wiping off with a tack rag.
57. Applies by using hand pressure and hand tools decals, pressure sensitive, and scotch-like numbers and letters after painting.
58. Applies by using hand pressure and hand tools seals and trim to painting surfaces after painting.

59. Spray paints newly constructed metal shop products such as brackets and fiberglass doors.
60. Applies paint to automotive accessories such as door panels and dashboards using a spray gun.
61. Writes work record information for record-keeping purposes such as creating and completing Mechanic's Log worksheets with the vehicle number, hours required to complete the job, and the dates involved; Work Order reports including parts removed from vehicles, materials used to complete the job, and the panels repaired and finished; Part Requisition and Material Inventory forms to track movement and use of materials; and Volume of Organic Compounds (VOC) charts including the amount of VOCs emitted during the day, the VOCs contained by the paints and solvents used, and the gross weight of the vehicle painted.
62. Sends emails to suppliers and department personnel to request pricing and availability information for necessary materials including paint, tape, tooling, and cleaning supplies.
63. Removes masking paper and tape by hand after the vehicle surface has dried.
64. Removes paint over spray by using a scraper with a razor blade on glass surfaces and rubbing compound on metal panels.
65. Removes imperfections from painted surfaces by using ultra fine 1000 to 1500 grit sanding paper.
66. Installs vehicle accessories such as moldings, decals, and windshield wipers after applying paint and paint has dried to complete painting jobs.
67. Assembles and stands on elevated platforms, scaffolding, and ladders at work sites such as tank interiors and dry docks to prepare surfaces for painting and applying paint to surfaces.