

Automotive Engines 10th

Chapter 35 Engine Installation and Break-In

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1. What is involved in "dressing the engine"?
2. Why should the clutch, if equipped, be adjusted before starting the engine?
3. Describe the engine break-in procedure.
4. What should be done to help prevent rear cylinder distortion when the bell housing is being installed on the engine?
5. What is meant by lugging an engine?
6. How are the clutch and bell housing installed?

Answer Key

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1. "Dressing the engine" is a phrase used to describe the process of attaching all of the auxiliary items to the engine.
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2. Always adjust the clutch free play before starting the engine to help prevent engine thrust bearing or clutch release bearing damage.
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3. To break in a new engine, the vehicle should be driven in a moderate manner without over revving the engine or lugging the engine. Accelerate the vehicle from 30-50 mph at full throttle a total of 10-12 times to seat the piston rings.
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4. The bell housing must be torqued to the correct amount and procedure to help prevent engine cylinder bore distortion.
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5. Lugging means increasing the throttle opening without increasing engine speed (RPM).
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6. The following clutch parts should be installed: clutch disc, pressure plate, pilot bearing, clutch release bearing and clutch fork. Use a clutch disc alignment tool to install clutch disc, then install pressure plate, clutch fork and release bearing, then install bell housing.
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