

**Automotive Technology 7<sup>th</sup> Edition**  
**Chapter 49: Starting System Parts and Operation**  
**Matching Quiz**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Matching: Choose the item in column 2 that best matches each item in column 1.**

- |                            |   |           |
|----------------------------|---|-----------|
| 1. Cranking Circuit        | A. Develops its maximum torque at the initial start (0 RPM).  | 1. _____  |
| 2. Starter Motor           | B. Protects the starter motor from damage if the ignition switch is held in the start position after the engine starts.                   | 2. _____  |
| 3. Overrunning Clutch      | C. Used by many automotive manufacturers to increase starter motor speed and provide the torque multiplication needed to crank an engine. | 3. _____  |
| 4. Stop-Start System       | D. An electric motor that converts electrical power into mechanical power to crank the engine.  | 4. _____  |
| 5. Gear-Reduction Starters | E. A system that allows the driver to start the vehicle's engine from a distance of about 200 feet (65 m).                                | 5. _____  |
| 6. Remote Starting         | F. Includes a small pinion gear that meshes with the engine flywheel gear teeth to transmit starter motor power.                          | 6. _____  |
| 7. Series Motor            | G. An electromagnetic switch that engages the starter drive and controls the current from the battery to the starter motor.               | 7. _____  |
| 8. Starter Drive           | H. Designed to increase fuel economy and reduce exhaust emissions.  | 8. _____  |
| 9. Neutral Safety Switch   | I. Its purpose is to create the necessary power and transfer it from the battery to the starter motor.                                    | 9. _____  |
| 10. Starter Solenoid       | J. An electric switch that opens the circuit to prevent starter motor operation unless the automatic transmission is in neutral or park.  | 10. _____ |

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**Answer Key**

**Answer Key:**

1. I
2. D
3. B
4. H
5. C
6. E
7. A
8. F
9. J
10. G