safety stands. When substantial weight is removed from the rear of the vehicle, the center of gravity can change, causing the vehicle to tip forward on the lift.

VEHICLE LIFT

1. Position the lift pads (A) under the vehicle's front support points (B) and rear support points (C).

NOTE: Be sure the lift pads are properly placed to avoid damaging the vehicle.

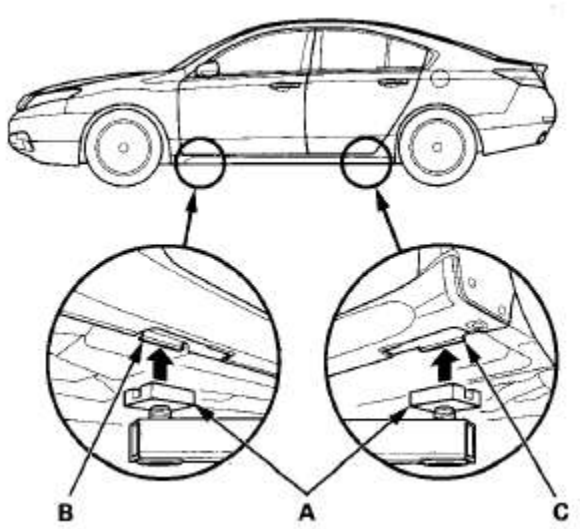

Fig. 16: Identifying Lift Pads, Vehicle's Front Support Points And Rear Support Points
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Raise the lift a few inches, and rock the vehicle gently to be sure it is firmly supported.
3. Raise the lift to its full height, and inspect the vehicle support points for solid contact with the lift pads.

SAFETY STANDS

To support the vehicle on safety stands, use the same support points as for a vehicle lift. Always use safety stands when working on or under any vehicle that is supported only by a jack.

FLOOR JACK

1. When lifting the front of the vehicle, set the parking brake. When lifting the rear of the vehicle, put the shift lever in reverse for manual transmission, or in P for automatic transmission.
2. Block the wheels that are not being lifted.
3. Position the floor jack under the front jacking bracket (A) or the rear jacking bracket (B). Center the jacking bracket on the jack lift platform (C), and jack up the vehicle high enough to fit the safety stands under it.

NOTE: Be sure the floor jack is properly placed to avoid damaging the vehicle.

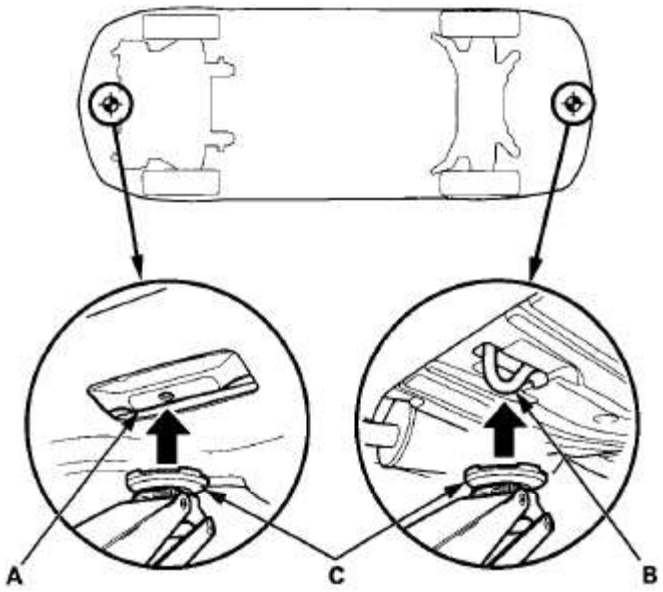

Fig. 17: Identifying Front Jacking Bracket, Rear Jacking Bracket And Center Jacking Bracket On Jack Lift Platform
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Position the safety stands under the support points, and adjust them so the vehicle is level side-to-side.
5. Lower the vehicle onto the stands.

TOWING

If the vehicle needs to be towed, call a professional towing service. Never tow the vehicle behind another vehicle with just a rope or chain. It is very dangerous.

EMERGENCY TOWING

There are three popular methods of towing a vehicle.

FLAT-BED TOW TRUCK EQUIPMENT

The operator loads the vehicle on the back of a flat-bed tow truck. **This is the only way of transporting the vehicle.**

To accommodate the flat-bed tow truck equipment, the vehicle is equipped with a detachable front towing hook (A), front tie down hook slots (B), a rear towing hook (C), and rear tie down hook slots (D).

The towing hooks can be used with a winch to pull the vehicle onto the flat-bed tow truck, and the tie down hook slots can be used to secure the vehicle to the flat-bed tow truck.

NOTE: The front and rear tie down hook slots have rubber plugs (E) over the openings. Be sure to reinstall the plugs after use.

FRONT

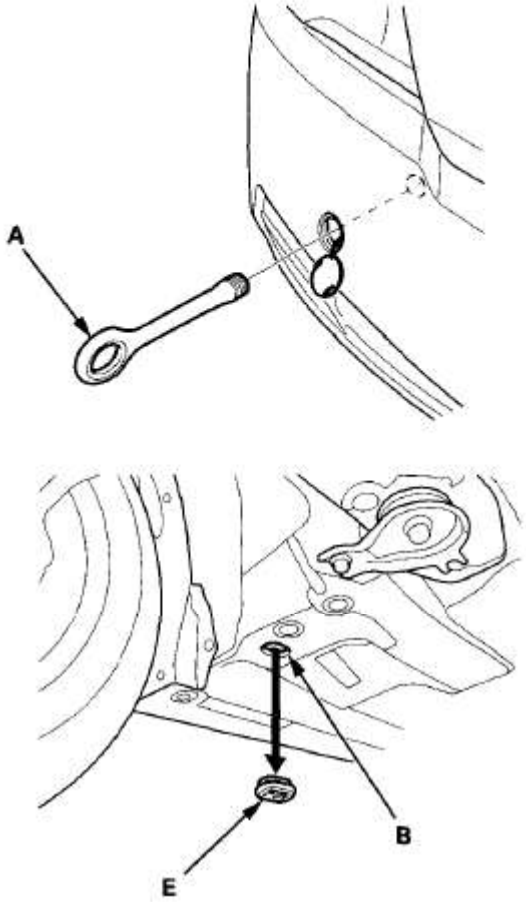

Fig. 18: Identifying Front Towing Related Components
Courtesy of AMERICAN HONDA MOTOR CO., INC.

REAR

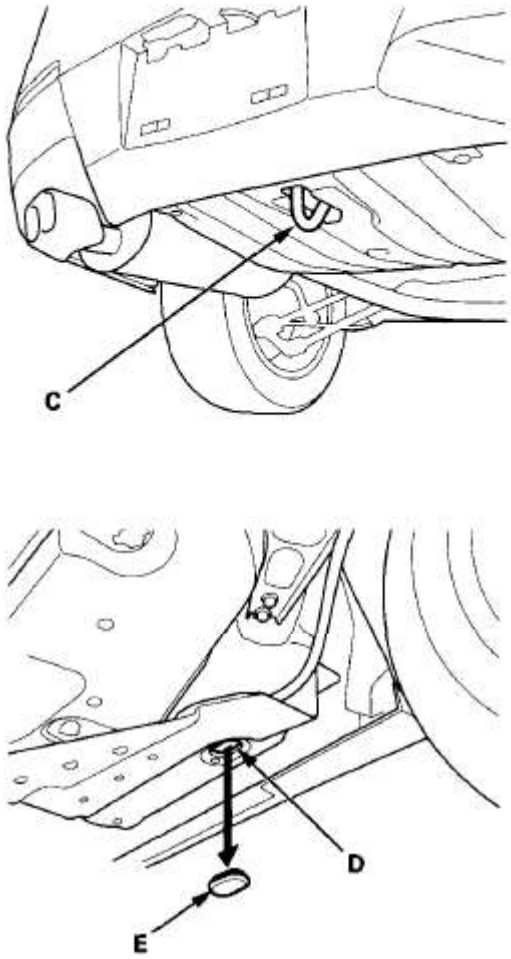

Fig. 19: Identifying Rear Towing Related Components
Courtesy of AMERICAN HONDA MOTOR CO., INC.

FRONT TOWING HOOK INSTALLATION

The detachable front towing hook is for towing very short distances, such as freeing the vehicle. The hook attaches to the anchor in the front bumper.

NOTE:

- **To avoid damage to the vehicle, use the towing hook for straight flat ground towing only. Do not tow on an angle.**
- **Do not use the detachable tow hook as a tie down for securing the vehicle on a flat-bed tow truck. To secure the vehicle on a flat-bed tow truck, use the tie down hook slots provided.**

1. Remove the cover (A) from the front bumper.

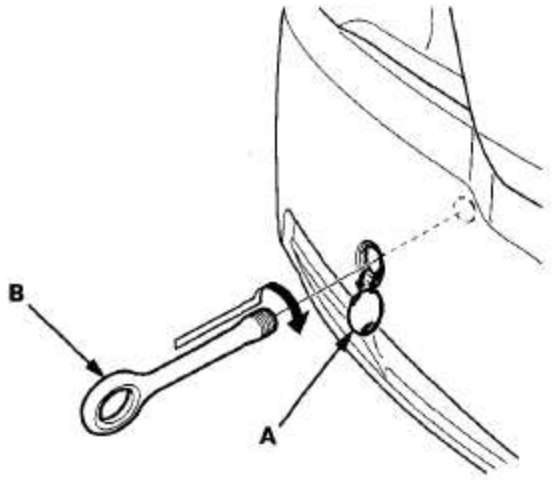

Fig. 20: Screw In Detachable Towing Hook
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the detachable towing hook from the tool kit in the trunk.
3. Screw in the detachable towing hook (B), and tighten it securely by hand.

WHEEL LIFT EQUIPMENT

SH-AWD models

The tow truck uses two pivoting arms that go under the tires (front or rear) and lifts them off the ground. The other two wheels remain on the ground. **Never tow the vehicle with wheel lift equipment.**

Except SH-AWD models

The tow truck uses two pivoting arms that go under the front tires and lifts them off the ground. The rear wheels remain on the ground. **This is an acceptable way of towing the vehicle.**

Sling-type Equipment

The tow truck uses metal cables with hooks on the ends. These hooks go around parts of the frame or suspension, and the cables lift that end of the vehicle off the ground. The Vehicle's suspension and body can be seriously damaged if this method of towing is attempted. **This method of towing the vehicle is unacceptable.**

The only recommended way of towing the SH-AWD models is on a flat-bed tow truck.

NOTE:

- **Towing the SH-AWD models with only two wheels on the ground will damage parts of the SH-AWD system. If the vehicle is damaged, it must be transported on a flat-bed tow truck or trailer.**
- **Improper towing preparation will damage the transmission. Follow the above procedure exactly.**
- **Trying to lift or tow the vehicle by the bumpers will cause serious damage.**

The bumpers are not designed to support the Vehicle's weight.

For the vehicle equipped with the engine start/stop button:

- If the battery is discharged, the ACC mode cannot be selected by pushing the engine start/stop button. Charge or replace the battery to unlock the steering wheel before towing.
- If the ACC mode cannot be selected because of in an electrical problem other than a discharged battery, the vehicle must be transported on a flat-bed tow truck.

PARTS MARKING

To deter vehicle theft, certain major components are marked with the vehicle identification number (VIN). Original parts have self-adhesive labels. Replacement body parts have generic self-adhesive labels. These labels should not be removed. The original engine or transmission VIN plates are not transferable to the replacement engine or transmission.

NOTE: Be careful not to damage the parts marking labels during body repair. Mask the labels before repairing the part.

PRECAUTIONS FOR SUPER HANDLING ALL-WHEEL DRIVE™ (SH-AWD®) SYSTEM

This vehicle is equipped with the Super Handling All Wheel Drive™ (SH-AWD®) system. The SH-AWD system distributes driving torque between the front and rear wheels when accelerating and when wheel spin occurs.

The SH-AWD system does not have a manual switch to disable the AWD system. Whenever service work requires spinning the front or rear wheels with the engine, always lift and support the vehicle so all four wheels are off the ground.

2010-12 COMMON SPECS & PROCEDURES

TL

SPECIFICATIONS INDEX

TL SPECIFICATIONS INDEX

System	Specification/Procedure
Air Conditioning	
Service	**AIR CONDITIONING**
Torque	See applicable component in **HEATING, VENTILATION, AND AIR CONDITIONING** .
Axle Nut/Hub Nut	
Front	245 N.m (181 ft. lbs.)
Rear	181 N.m (134 ft. lbs.)
Battery	**BATTERY**
Brakes	
Bleeding Sequence	**BRAKE SYSTEM BLEEDING**
Disc Brakes	**BRAKES**
Torque	See applicable component in **BRAKES** .
Charging	
Generator	**ENGINE ELECTRICAL (J35Z6)** **ENGINE ELECTRICAL (J37A4)**
Torque	See applicable figure in **ENGINE ELECTRICAL** .
Drive Belts	
Adjustment	**DRIVE BELT INSPECTION**
Belt Routing	**COMPONENT LOCATION INDEX & DRIVE BELT ROUTING** & **DRIVE BELT REPLACEMENT**
Engine Cooling	
General Service Specifications	**COOLING SYSTEM (J35Z6, J37A4)**
Radiator Cap Pressure	93-123 kPa (0.95-1.25 kgf/cm^2 , 14-18 psi)
Thermostat R & I	**THERMOSTAT REPLACEMENT**
Water Pump R & I	**WATER PUMP REPLACEMENT**
Engine Mechanical	
Compression	**ENGINE ASSEMBLY (J35Z6, J37A4)**
Oil Pressure (176°F (80°C)	70 kPa (.7 kgf/cm^2 , 10 psi) @ idle; 490 kPa (5.0 kgf/cm^2 , 71 psi) @ 3000 RPM
Overhaul	See applicable specifications table in **STANDARDS AND SERVICE LIMITS** .
Torque	See applicable component in one of the following articles: **CYLINDER HEAD (J35Z6)** **CYLINDER HEAD (J37A4)** **ENGINE MECHANICAL**

	ENGINE MECHANICAL ENGINE MECHANICAL
Fluid Specifications	See FLUIDS under MAINTENANCE tab.
Flywheel/Flex Plate (Drive Plate) Torque	74 N.m (54 ft. lbs.)
Fuel System	
Pressure Specification	380-430 kPa (3.9-4.4 kgf/cm^2 , 55-63 psi)
Fuel Pressure Test Procedure	**FUEL PRESSURE TEST**
Fuel Filter Location	**FUEL FILTER REPLACEMENT**
Ignition	
Firing Order & Cylinder Identification	**FIRING ORDER & CYLINDER IDENTIFICATION**
Spark Plug	
Type	NGK: ILZKR7B11 DENSO: SXU22HCR11S
Gap	1.0-1.1 mm (.039-.043 in.)
Torque	18 N.m (13 ft. lbs.)
Starting	
Starter	**ENGINE ELECTRICAL (J35Z6) ENGINE ELECTRICAL (J37A4)**
Torque	**STARTER REMOVAL AND INSTALLATION**
Wheel Alignment	
Adjustment Specifications	**SUSPENSION**
Torque	
Front	See applicable component in **SUSPENSION** .
Rear	See applicable component in **SUSPENSION** .
Wheel & Tire	
Wheel Lug Nut Torque	127 N.m (94 ft. lbs.)