

If internal (mating component) threads or external (fastener) threads appear stripped or galled, replace both fastener and mating component. When tightening, if minimum torque is not reached, internal threads on mating component may have stripped. Remove the fastener to inspect and replace mating component if stripped threads are found.

Face Seals

When replacing fasteners, inspect mating component surface for debris, damage, disturbance, wear, or abrasion and replace any seals or gaskets if damage is found.

SEALS AND GASKETS

Replace seals and gaskets, unless specified differently in the procedure.

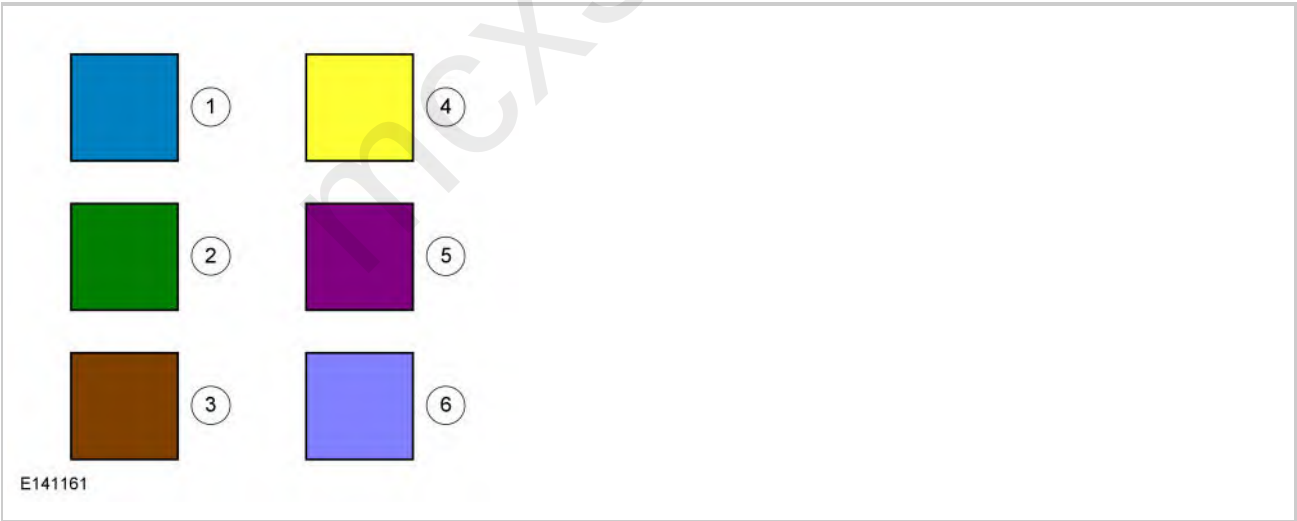
EXTERIOR TRIM PARTS

Replace exterior trim parts fastened with glue or adhesive tape, unless specified differently in the procedure.

**DESCRIPTION AND OPERATION > ABOUT THIS SERVICE INFORMATION >
MECHANICAL PROCEDURES**

Illustrations in this service information may be used instead of written step instructions. Color-coding (see color scheme illustration) is used to communicate the required step action or actions. Service action icons may be used to add information regarding the required action. For additional information, refer to: Symbols Glossary .

Illustration Color-coding



Item	Part Number	Description
1	-	Blue - Target or primary component to be removed/installed (or disassembled/assembled).
2	-	Green - Components that need to be removed prior to or installed after the target/primary.

3	-	Brown - Components that need to be removed prior to or installed after the target/primary.
4	-	Yellow - Components to be set aside for access, but not removed. Also highlighted areas to inspect or adjust.
5	-	Magenta - Electrical connectors and fasteners such as nuts, bolts, clamps, or clips to be: detached, attached, loosened, moved, removed or installed.
6	-	Pale Blue - Special tool(s), general equipment, or common tools used in an uncommon way.

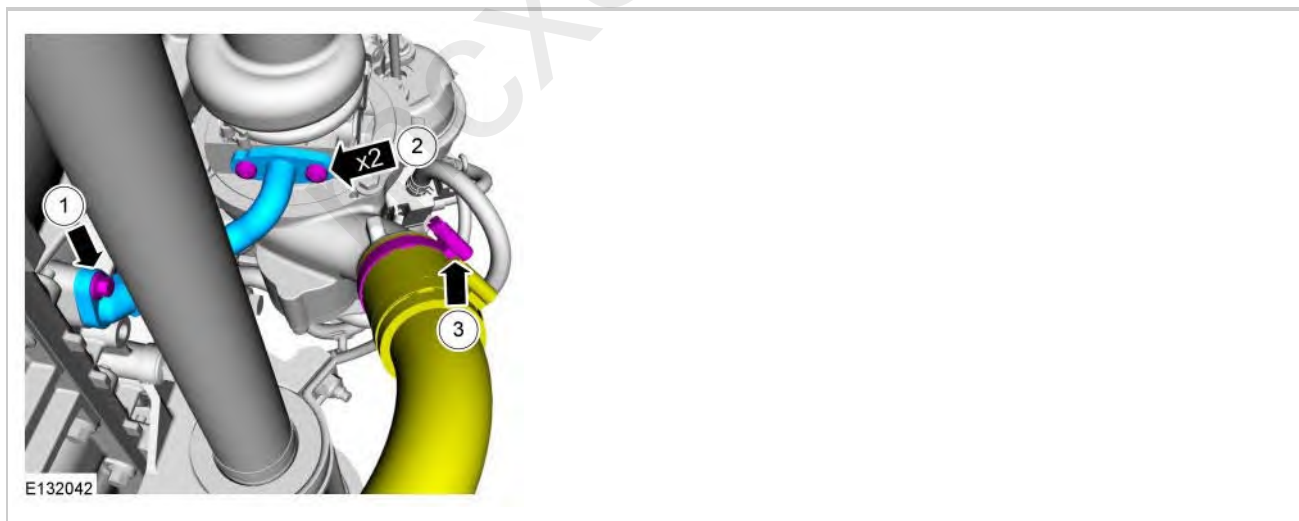
Other color coding

- Alternating Blue and White
 - Chemical, adhesive or sealer apply areas
- Red
 - Sectioned or cut-away areas
- Grey
 - Background components shown for location information

ILLUSTRATION TASK SEQUENCE

Components that must be removed or installed in a specific sequence are identified with a numbered callout. Any associated step text is numbered accordingly.

Simple procedure example showing color-coding and task sequence.



Black arrows are used to draw attention to components (usually fasteners). Arrows with multiples specified (here, x2) identify an identical number of fasteners or items. Callouts (numbers inside circles) show a required sequence or tightening torque.

In the illustration, the callouts indicate the removal sequence, **which is reversed for installation**. The yellow coloring of the hose indicates it is to be positioned aside (not removed). Two identical (magenta-colored) fasteners are indicated by the x2 arrow. The fasteners in this illustration require different torques (same torque for the x2 fasteners) so numbered callouts are used to identify them with torque

values in the associated step text. The (magenta-colored) hose clamp is another fastener to be removed.

Examples of fastener removal sequence and an identical service action for 12 fasteners. Other possible symbols are shown on the right in the figure below.



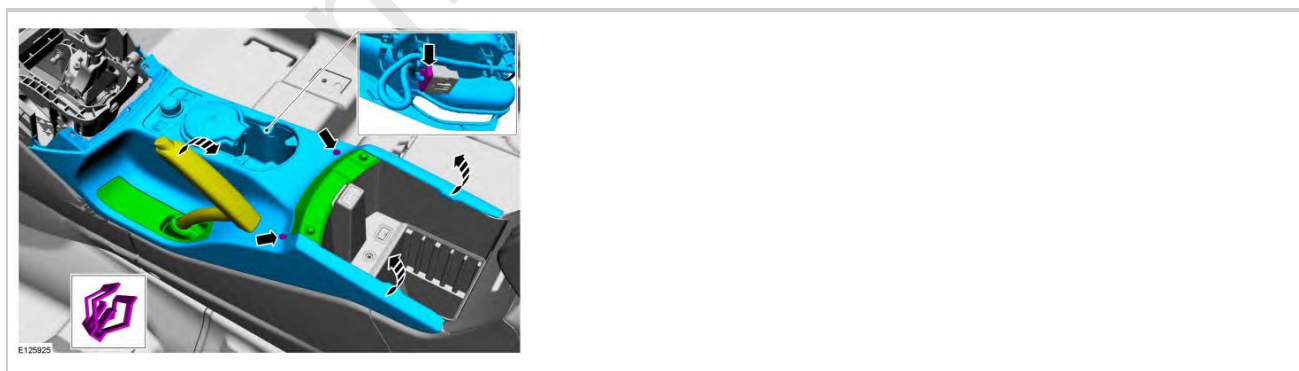
Example of fastener sequence information with two persons required for the service action



HIDDEN DETAILS

Separate detail boxes or transparent components may be used to show hidden items in an illustration.

Example of hidden fastener information





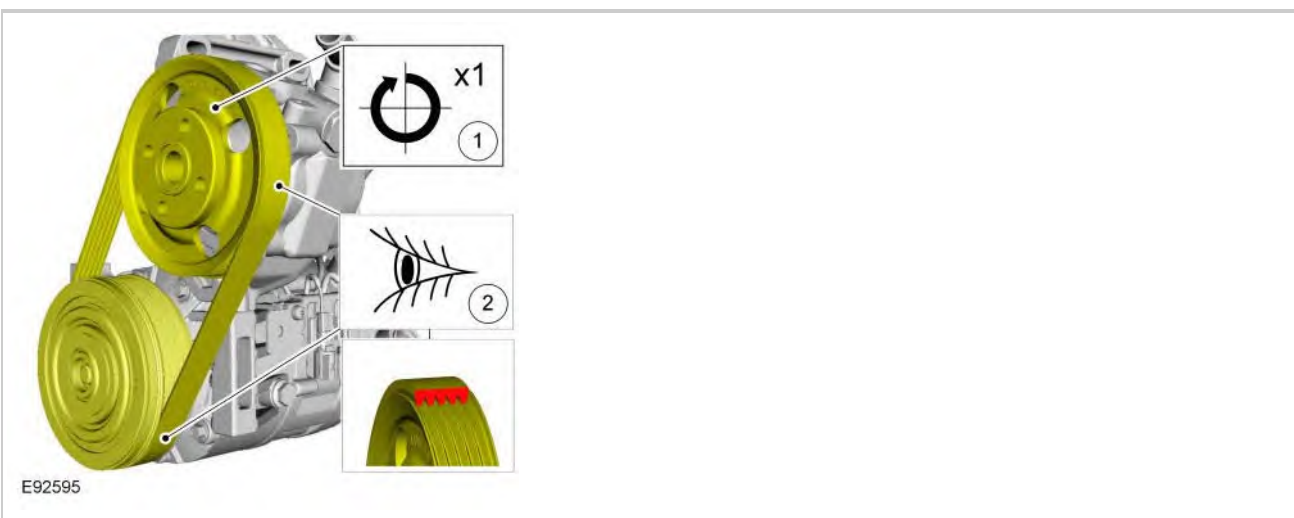
SERVICE ACTION ICONS

Service action icons may be used to add information regarding the required action. For additional information, refer to: Symbols Glossary .

Location symbols show the location of a component or system on the vehicle.



Example of service action icons pointing to highlighted components.



The diagram shows the engine compartment of a vehicle. Callout 1 points to the battery, and callout 2 points to the fuse box. To the right of the diagram is a legend with six symbols in boxes:

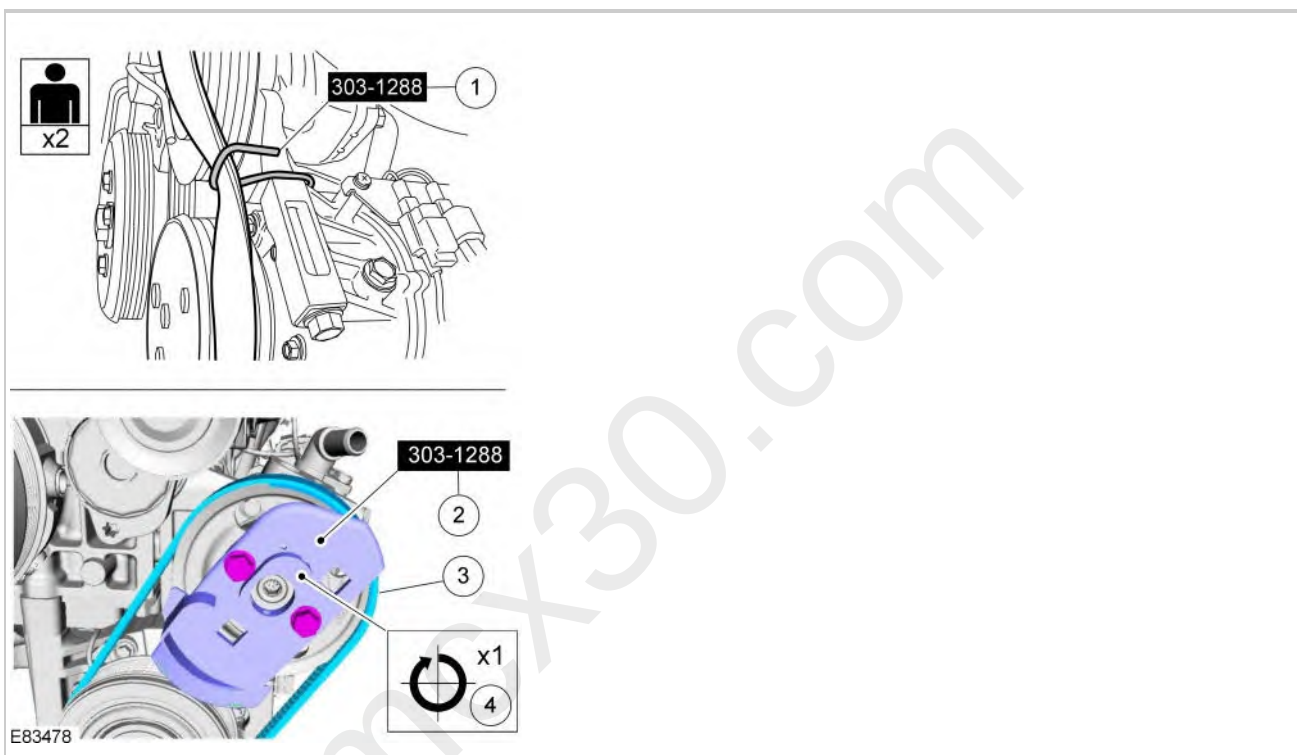
- A (Ampere)
- V (Volt)
- Ω (Ohm)
- Wrench and screwdriver (Mechanical work)
- Clock (Time)
- Pressure gauge (Bar)

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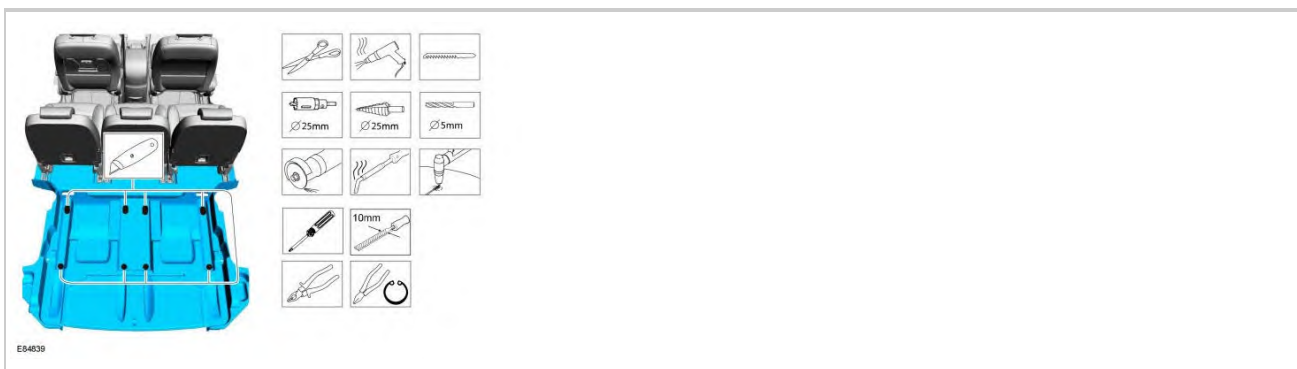
Example of special service tool and symbol used to hold the gear shift in the required gear position. Other possible symbols are shown on the right in the figure below.



Example of two illustrations used together with sequence steps, service action icons and special service tools



Tool symbols direct the use of standard tools. The tool size or dimension may be specified.



HEALTH AND SAFETY SYMBOLS

Some procedures may contain health and safety symbols that are associated with a specific service action. For additional information, refer to: Symbols Glossary . Always read and understand all health and safety precautions before beginning any procedure. For additional information, refer to: Health and