



# Service Bulletin

Bulletin No.: 17-NA-272

Date: April, 2019

## TECHNICAL

**Subject:** Loud Noise, Malfunction Indicator Lamp Illuminated and/or No Start with DTC P0016, P0017, P0018 or P0019 Set

| Brand:   | Model: | Model Year: |      | VIN:  |    | Engine:                  | Transmission: |
|----------|--------|-------------|------|---|----|--------------------------|---------------|
|          |        | from        | to   | from  | to |                          |               |
| Cadillac | CT6    | 2016        | 2017 | Refer to the table below for affected VIN List. |    | 3.6L (LGX) or 3.0L (LGW) | All           |
|          | XT5    | 2017        | 2017 |   |    |                          |               |

| VIN List          |                   |                   |
|-------------------|-------------------|-------------------|
| 1G6K95R65HU125862 | 1G6K95R67HU128309 | 1G6KE5R65HU123444 |
| 1G6KE5R68GU166867 | 1G6KE5R68GU166934 | 1G6KE5R6XHU125853 |
| 1G6KG5R60GU166372 | 1G6KG5R66GU166652 | 1G6KG5R67GU167261 |
| 1G6KG5R68GU166555 | 1G6KH5R60HU125268 | 1G6KH5R60HU125819 |
| 1G6KH5R66HU123556 | 1G6KH5R66HU124643 | 1G6KH5R66HU125002 |
| 1G6KK5R61GU166377 | 1G6KK5R63GU167255 | 1G6KK5R6XGU167320 |
| 1G6KN5R62HU123451 | 1G6KN5R63HU123457 | 1G6KN5R64HU127484 |
| 1G6KN5R65HU125338 | 1G6KN5R65HU125677 | 1G6KN5R6XHU123794 |
| 1G6KN5R6XHU177614 | 1GYKNCRS4HZ122698 | LSGKR5364GA005951 |
| LSGKR5A61GA005828 |                   |                   |

|                                   |  |
|-----------------------------------|--|
| <b>Involved Region or Country</b> | North America and N.A. Export Regions  |
| <b>Additional Options (RPOs)</b>  | Equipped with 6 Cylinder Engine (RPO LGX or LGW)   |
| <b>Condition</b>                  | Some customers may comment on a loud noise, malfunction indicator lamp illuminated and/or vehicle will not start.<br>During diagnosis a technician may find DTC P0016, P0017, P0018 or P0019 set in the Engine Control Module (ECM). |
| <b>Cause</b>                      | This may be caused by a broken engine crank sprocket caused by incomplete machining. Failure of the sprocket will cause the timing chain to stop moving or break.  |
| <b>Correction</b>                 | Replace the engine assembly.   |

### Parts Information for LGW Engine

| Description                             | Part Number | Qty |
|---|-------------|-----|
| Engine Assembly                         | 12679113    | 1   |
| A/C compressor hose seal: to condenser  | 13579648    | 1   |
| A/C compressor hose seal: to evaporator | 13579646    | 1   |

| Description  | Part Number | Qty |
|--|-------------|-----|
| Catalytic converter outlet gasket - right hand           | 22759470    | 1   |
| Exhaust pipe clamp catalytic converter outlet- left hand | 23436598    | 1   |
| Front suspension strut bolt                              | 11561309    | 2   |
| Front axle shaft nut                                     | 11612295    | 2   |
| Front lower control arm bolt                             | 11547107    | 2   |

| Description                      | Part Number | Qty |
|----------------------------------|-------------|-----|
| Drivetrain cradle bolts          | 11548391    | 8   |
| Turbocharger exhaust pipe gasket | 12638677    | 2   |

### Parts Information for LGX Engine

| Description  | Part Number | Qty |
|--|-------------|-----|
| Engine Assembly  | 12679111    | 1   |
| A/C compressor hose seal: to condenser                   | 13579648    | 1   |
| A/C compressor hose seal: to evaporator                  | 13579646    | 1   |
| Catalytic converter outlet gasket - right hand           | 22759470    | 1   |
| Exhaust pipe clamp catalytic converter outlet- left hand | 23436598    | 1   |
| Cylinder head to exhaust pipe gasket (cat conv)          | 22997477    | 2   |
| Front suspension strut bolt                              | 11561309    | 2   |
| Front axle shaft nut                                     | 11612295    | 2   |
| Front lower control arm bolt                             | 11547107    | 2   |
| Drivetrain cradle bolts                                  | 11548391    | 8   |

### Warranty Information

| Labor Operation | Description        | Labor Time                         |
|-----------------|--------------------|------------------------------------|
| 4067490         | Engine Replacement | Use Published Labor Operation Time |

### Service Procedure

If you encounter a vehicle with the above concern and the VIN is listed above, follow diagnosis referring to SI.

Once verified that the condition was caused by a broken engine crank sprocket, replace the engine assembly. Refer to *Engine Replacement* in SI.

|                 |   |
|-----------------|---|
| <b>Version</b>  | 2   |
| <b>Modified</b> | April 02, 2019 – Corrected the Engine Assembly part numbers for LGX and LGW engine. |

