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30 - Hydraulic System
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19 - O-Ring Face Seal (ORFS)

Remove and Install

The hose fittings are for full flow components for resistance over torque. The ORFS (O-Ring Face Seal) offers 100% reliability.

When you remove or install components, make sure all of the hydraulic fittings are tightened to the correct torque value during the assembly procedure.

To prevent damage to the ORFS during the assembly procedure it is important to use the double spinner method to tighten the fittings.

Figure 81: 1. Double spinner, 2. Clockwise counter-clockwise spinner.

Figure 82: 1. Double spinner, 2. Clockwise counter-clockwise spinner.

Figure 83: 1. Nut, 2. O-ring, 3. ORFS, 4. Adapter.

Install:

- Always coat the ORFS with hydraulic oil before assembly.
- The rubber ORFS is compressed into a precision machined groove in the adapter to form a tight seal against a flat surface of the hose.
- Use the correct nut size marking. Tighten the nut of the hose fitting to compress the fitting. Refer to Technical Data.

Warning!
 Read step installation instructions.

The eccentric shaft on the mounting flats (2) must only be turned with an open-end spanner (1) for support.

The eccentric shaft has mounting flats on both sides; if the engine is installed, the front mounting flat must be used.

Heed the following work instructions.

After the engine steps, the eccentric shaft is in the maximum stroke position.

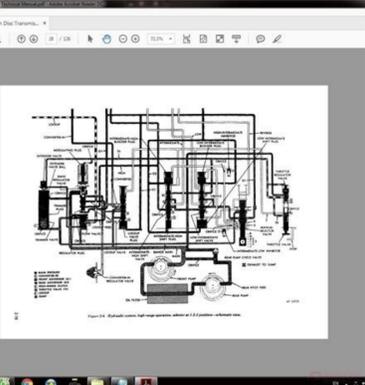
If the actuator drive is defective, the eccentric shaft is located in an undetermined position.

Check throttle return spring (2) for breakage and correct installation position on intermediate lever (1).

Check roller cam follower (3) for correct installation position.

Check that intermediate lever (1) is correctly seated into Groove; does not show sliding block.

Check wear at stop (1) - minimum lift and maximum lift.
 Check that stops are securely seated.
 Tightening torque: 21.32.5A2



KIA ELECTRIC FUNDAMENTALS

IONIC
 An electrical force outside the atom can attract electrons from the outer ring and leave the atom in an unbalanced condition. An unbalanced atom is called an ion. When an atom gains an electron and has more electrons than protons it is a negative ion. When an atom loses an electron and has more protons than electrons it is a positive ion and will attract an electron from a nearby balanced atom. The electrons are constantly moving within a material from one atom to another. This causes electron flow.

FREE ELECTRONS
 The electrons in the outer ring are not as strongly attracted to the protons as the inner ring electrons. These outer electrons are called bound electrons and free electrons are called free electrons. When a force such as heat, pressure, friction, light, chemical action or magnetic action is applied to the material, the free electrons can move from one atom to the next. Electrical current can be formed by a stream of these free electrons along a conductor.

DIRECTION OF FLOW
 There are two ways that we can consider the flow of electrical current. The electron flow which is from negative to positive and the flow of conventional current which, while actually a myth, flows from positive to negative. It is easier to think in terms of conventional current flow since most electrical drawings and semiconductor symbols are marked with arrows indicating the conventional current flow. It is also easier to use the conventional current flow because we can relate the flow of electricity to the flow of hydraulics in that there is a pressure, flow and opposition.

Transmission Overview | General Information

Heavy Duty 10-Speed L4S/4S4

Transmission Overview | General Information

Heavy Duty 10-Speed M10F10P, 10-Speed L3E & 10-Speed KXP/90P

The image shows two technical diagrams of transmission assemblies. The left diagram is for a Heavy Duty 10-Speed L4S/4S4 transmission, showing components like the Release Yoke and Torque Shaft Assembly, Mechanical Clutch Actuator (2.5L), and Low Capacity Venturi Breather (L3B). The right diagram is for a Heavy Duty 10-Speed M10F10P, 10-Speed L3E & 10-Speed KXP/90P transmission, showing components like the Input Shaft, Output Shaft, and various gears and bearings.

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Year: 2015-2016 Mustang TSB Number: SSM 47489 NHTSA ID Number: 10144947 Date Announced ... 14/04/2018 - Mercedes-Benz 190 W124 1982-1993 Service Repair Manuals - Multimedia workshop manual in German for maintenance and repair of the Mercedes 190 series W201 1982-1993 Mercedes-Benz SELT - Multimedia Service Manual - Multimedia guide in the English language for the operation, maintenance and repair of Mercedes-Benz buses and trucks ... Workshop and Repair manuals, Wiring Diagrams, Spare Parts Catalogue, ... Daihatsu Feroza ROCKY F70 F75 F77 F80 F85 FULL WORKSHOP MANUAL. Daihatsu Feroza Download Workshop Manual. Daihatsu Cuore Service Manual download. ... Daihatsu Automatic Transmission Type A4Q, A4R Series Service Manual. Holden Colorado workshop manual covering Lubricants, ... Holden Commodore Holden Commodore VE Holden Commodore VE 2008 2011 Omega G8 Automatic Transmission 6L50 6L80 6L90 Service Manual. ... Holden - Captiva - Owners Manual - 2016 - 2016. Holden - Rodeo - Workshop Manual - 2003 - 2008. Holden Commodore Service Repair Manual PDF. 07/02/2014 - For 2014 Craftsman is taking a huge leap forward in transmission technology. Today's automatic transmissions in Craftsman Yard Tractors are ideal for any type of terrain. Having to buy a manual transmission for hills is a thing of the past. Automatic Transmission - Simple to use, ideal for all terrain. Workshop and Repair manuals, Wiring Diagrams, Spare Parts Catalogue, ... Daihatsu Feroza ROCKY F70 F75 F77 F80 F85 FULL WORKSHOP MANUAL. Daihatsu Feroza Download Workshop Manual. Daihatsu Cuore Service Manual download. ... Daihatsu Automatic Transmission Type A4Q, A4R Series Service Manual. Kia Sorento Workshop, ... truck-based body-on-frame SUV. It was offered in two trim levels: LX and EX. It had two transmission options: a 5-speed manual or 4/5-speed automatic transmission (pre-2005 models have a 4-speed automatic. ... Kia Sorento 2016 Misc Documents Brochure (12 Pages) (Free) Kia Sorento Misc. Document 4x4 Spanish (77 Pages) 4-Speed Automatic Transmission 096 Volkswagen Passat Repair Manual. Repair Guide 307 Pages. Volkswagen - Passat - Wiring Diagram - 1994 - 1994. ... Volkswagen - Caddy - Workshop Manual - 2016 - 2017. Volkswagen Polo-mk3 Workshop Manual (Polo Mk3) 2000-05-Volkswagen-Beetle-4 Cylinders K 2.0L FI-32746705. 07/02/2014 - For 2014 Craftsman is taking a huge leap forward in transmission technology. Today's automatic transmissions in Craftsman Yard Tractors are ideal for any type of terrain. Having to buy a manual transmission for hills is a thing of the past. Automatic Transmission - Simple to use, ideal for all terrain. Kia Sorento Workshop, ... truck-based body-on-frame SUV. It was offered in two trim levels: LX and EX. It had two transmission options: a 5-speed manual or 4/5-speed automatic transmission (pre-2005 models have a 4-speed automatic. ... 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Volkswagen Polo-mk3 Workshop Manual (Polo Mk3) 2000-05-Volkswagen-Beetle-4 Cylinders K 2.0L FI-32746705.

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