

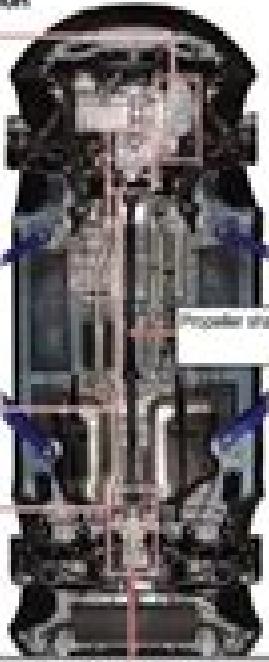
Sensor cluster	TCS-Level assembly
	
The sensor cluster is dedicated to the sensors on the unit board and CAN interface. And these are housed in one case and mounted to the body.	The TCS communicates with TCU (Transmission Control Unit), ECU, ESP/ECU and instrument cluster to let the driver select the desired transmission gear and to maintain the desired driving condition. Also, the top switch is installed on the gear knob and the steering wheel so that the driver selects the gear manually when the SHIFT lever is in 'M'.

	10-sensor(ABS) ABS
	
For the vehicle with the ABS, a speed difference between the wheels is not noticeable as all the wheels are moving during abrupt braking. Therefore, the vehicle needs the speed information from other sensors other than the wheel speed sensor. The longitudinal acceleration sensor (G-sensor) is used for this case. It controls the ABS by using the signals from the sensor during abrupt braking and acceleration.	

TCU unit	TMS-ECU
	
The transmission control unit (TCU) is installed under the driver seat, and controls the transmission. The TCU is operated by the ignition power supply and receives and processes the following information from the inner sensors through CAN buses.	The TMS-ECU is located to the rear bumper bar under the vehicle. It outputs the tire pressure and each wheel's condition to the instrument cluster, based on the wheel module information and CAN data.

4. CHASSIS COMPONENT LAYOUT

1) 4WD Vehicle With Automatic Transmission

AT assembly	
	
Torque converter Oil pan Torque converter Oil pan	
Automatic transmission is available as AWD- and 2WD-type, and provides 8 speeds for forward travel and 1 reverse travel. It is also equipped with the torque converter with inner lock-up clutch and electronically controlled automatic clutch control of hydraulic functions.	
PTU (Power Transfer Unit)	
	
The PTU is a device that transfers the power generated from the engine to the rear axle through propeller shaft and P-clamping by changing the power flow direction by 90° in the front wheel drive type AWD vehicle.	
E-coupling	
	
E-coupling Rear axle side	Rear axle side
The rear axle installed in the car is a removable axle, called IFDA (Independent Rear Differential Axle). The rear differential carrier is installed directly on the rear frame, and there is an independent suspension that allows each wheel on the same axle to move vertically independently of each other with the universal joint and the slip joint.	

Manual Repair Diagram

Tobias Bleicker

Manual Repair Diagram:

Field Manuals United States. War Department,1980-02 Aviation Structural Mechanic S 3 & 2 Jerry C. Stewart,1982
Catalog of Copyright Entries. Third Series Library of Congress. Copyright Office,1976 *Precision Photographic Systems Specialist (AFSC 40450)* ,1984 Chilton's Auto Service Manual ,1998 **Bibliography of Scientific and Industrial Reports** ,1946-10 Digital Overdrive: Automotive & Transportation Technology , **Modeling and Meshing Guide** ,1998 **Construction Methods** ,1957 **Rock Island Lines News Digest** ,1948 **Proceedings** ,1897
Manual for Overhaul, Repair and Handling [of Navigational Instruments] United States. Navy Dept. Bureau of Ships,1953 **Fundamentals of radio and electronics** Morris N. Beitman,1943 Aero Digest ,1943-07 *Scientific and Technical Books and Serials in Print* ,1984 **Instructors Manual** Barbara McNurlin,2001-09-25 Technical Communication Rebecca E. Burnett,1990 Containing a consistent rhetorical focus numerous helpful examples and figures with annotations and a strong organization and layout TECHNICAL COMMUNICATION offers a contextual design and an emphasis on Global Communication and Usability Testing **School Shop** ,1984 New Serial Titles ,1991 A union list of serials commencing publication after Dec 31 1949 **Radio & TV News** ,1959 Some issues Aug 1943 Apr 1954 are called Radio electronic engineering ed called in 1943 Radionics ed which include a separately paged section Radio electronic engineering varies v 1 no 2 v 22 no 7 issued separately Aug 1954 May 1955

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In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Manual Repair Diagram**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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