

General Diagnostic Table

WHEEL AND TIRE SYSTEM

5. General Diagnostic Table

A: INSPECTION

| Symptoms | Possible cause | Corrective action |
|---------------------------------------|-----------------------------|---|
| Wheel is out of balance. | Improperly inflated tire. | Adjust the tire pressure. |
| | Uneven wear | Check the tire referring to "Abnormal tire wear" in this table, carry out the procedure and replace the tire. |
| | Front wheel alignment | Check or adjust the front wheel alignment. • Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.> • Adjustment: <Ref. to FS-11, ADJUSTMENT, Wheel Alignment.> |
| | Rear wheel alignment | Check or adjust the rear wheel alignment. • Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.> • Adjustment: <Ref. to FS-11, ADJUSTMENT, Wheel Alignment.> |
| | Front strut | Check the front strut. <Ref. to FS-45, INSPECTION, Front Strut.> |
| | Rear shock absorber | Check the rear shock absorber. <Ref. to RS-30, INSPECTION, Rear Shock Absorber.> |
| | Housing ASSY - front axle | Check the housing assembly - front axle. <Ref. to DS-33, INSPECTION, Front Hub Unit Bearing.> |
| | Hub unit COMPL - front axle | Check the hub unit COMPL - front axle. <Ref. to DS-33, INSPECTION, Front Hub Unit Bearing.> |
| | Hub unit COMPL - rear axle | Check the hub unit COMPL - rear axle. <Ref. to DS-54, INSPECTION, Rear Hub Unit Bearing.> |
| Vehicle is abnormally out of balance. | Improperly inflated tire. | Adjust the tire pressure. |
| | Uneven wear | Check the tire referring to "Abnormal tire wear" in this table, carry out the procedure and replace the tire. |
| | Front stabilizer | Inspect the front stabilizer. |
| | Front wheel alignment | Check or adjust the front wheel alignment. • Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.> • Adjustment: <Ref. to FS-11, ADJUSTMENT, Wheel Alignment.> |
| | Rear wheel alignment | Check or adjust the rear wheel alignment. • Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.> • Adjustment: <Ref. to FS-11, ADJUSTMENT, Wheel Alignment.> |
| | | |
| Abnormal wheel vibration | Improperly inflated tire. | Adjust the tire pressure. |
| | Uneven wear | Check the tire referring to "Abnormal tire wear" in this table, carry out the procedure and replace the tire. |
| | Improper wheel balancing | Check the wheel balance. <Ref. to WT-7, WHEEL BALANCING, INSPECTION, Tire and Wheel.> |
| | Housing ASSY - front axle | Check the housing assembly - front axle. <Ref. to DS-33, INSPECTION, Front Hub Unit Bearing.> |
| | Hub unit COMPL - front axle | Check the hub unit COMPL - front axle. <Ref. to DS-33, INSPECTION, Front Hub Unit Bearing.> |
| | Hub unit COMPL - rear axle | Check the hub unit COMPL - rear axle. <Ref. to DS-54, INSPECTION, Rear Hub Unit Bearing.> |
| Abnormal tire wear | Improperly inflated tire. | Adjust the tire pressure. |
| | Improper wheel balancing | Check the wheel balance. <Ref. to WT-7, WHEEL BALANCING, INSPECTION, Tire and Wheel.> |
| | Front wheel alignment | Check or adjust the front wheel alignment. • Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.> • Adjustment: <Ref. to FS-11, ADJUSTMENT, Wheel Alignment.> |
| | Rear wheel alignment | Check or adjust the rear wheel alignment. • Inspection: <Ref. to FS-7, INSPECTION, Wheel Alignment.> • Adjustment: <Ref. to FS-11, ADJUSTMENT, Wheel Alignment.> |

TIRE PRESSURE MONITORING SYSTEM (DIAGNOSTICS)

TPM(diag)

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